

DATA PACKAGE
SEMI-VOLATILE ORGANICS

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC
2 Melinda Drive

Monroe Township, NJ - 08831
Phone No: 732-261-2236

ORDER ID : Q1216
ATTENTION : Rutu Manani



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1216

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1216-01
Q1216-02
Q1216-03
Q1216-04
Q1216-05
Q1216-06
Q1216-07
Q1216-08
Q1216-09
Q1216-10
Q1216-11
Q1216-12
Q1216-13
Q1216-14
Q1216-15
Q1216-16
Q1216-17
Q1216-18
Q1216-19
Q1216-20

Client Sample Number

JPP-18.1-012825
JPP-18.1-012825
JPP-18.1-012825
JPP-18.1-012825
JPP-21.1-012825
JPP-21.1-012825
JPP-21.1-012825
JPP-21.1-012825
JPP-21.2-012825
JPP-21.2-012825
JPP-21.2-012825
JPP-21.2-012825
JPP-26.1-012825
JPP-26.1-012825
JPP-26.1-012825
JPP-26.1-012825
JPP-26.2-012825
JPP-26.2-012825
JPP-26.2-012825
JPP-26.2-012825

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: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

RU2 Engineering, LLC

Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project # N/A

Chemtech Project # Q1216

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 01/29/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for TCLP BNA.

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 dfThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141336.D met the requirements except for Pentachlorophenol , Associated samples does not have hit for this compound, no corrective action was required.

The Tuning criteria met requirements.



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Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:

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

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.

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

CHEMTECH PROJECT NUMBER: Q1216

MATRIX: TCLP

METHOD: 8270E/3510/1311

		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 File ID BF141336.D met the requirements except for Pentachlorophenol , Associated samples does not have hit for this compound, no corrective action was required.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all samples .			

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

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

ADDITIONAL COMMENTS:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
 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 #: Q1216

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: 02/10/2025

LAB CHRONICLE

OrderID:	Q1216	OrderDate:	1/29/2025 11:54:00 AM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1216-04	JPP-18.1-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/06/25	01/29/25
Q1216-08	JPP-21.1-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/04/25	01/29/25
Q1216-12	JPP-21.2-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/03/25	01/29/25
Q1216-16	JPP-26.1-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/03/25	01/29/25
Q1216-20	JPP-26.2-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/03/25	01/29/25



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Hit Summary Sheet
SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				0.000				
Total Svoc :					0.00			
Total Concentration:					0.00			



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166356TB	PB166356TB	2-Fluorophenol	150	126	84		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	86.5	86		49	133
		2-Fluorobiphenyl	100	86.2	86		52	132
		2,4,6-Tribromophenol	150	136	90		44	137
		Terphenyl-d14	100	80.1	80		48	125
PB166426BL	PB166426BL	2-Fluorophenol	150	159	106		10	139
		Phenol-d6	150	143	95		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	100	100		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	84.0	84		48	125
PB166426BS	PB166426BS	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	92.2	92		49	133
		2-Fluorobiphenyl	100	93.5	94		52	132
		2,4,6-Tribromophenol	150	154	102		44	137
		Terphenyl-d14	100	89.9	90		48	125
Q1216-04	JPP-18.1-012825	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	128	86		10	134
		Nitrobenzene-d5	100	99.5	99		49	133
		2-Fluorobiphenyl	100	101	101		52	132
		2,4,6-Tribromophenol	150	157	104		44	137
		Terphenyl-d14	100	114	114		48	125
Q1216-08	JPP-21.1-012825	2-Fluorophenol	150	138	92		10	139
		Phenol-d6	150	124	82		10	134
		Nitrobenzene-d5	100	108	108		49	133
		2-Fluorobiphenyl	100	104	104		52	132
		2,4,6-Tribromophenol	150	177	118		44	137
		Terphenyl-d14	100	86.0	86		48	125
Q1216-12	JPP-21.2-012825	2-Fluorophenol	150	142	95		10	139
		Phenol-d6	150	136	90		10	134
		Nitrobenzene-d5	100	98.5	99		49	133
		2-Fluorobiphenyl	100	94.8	95		52	132
		2,4,6-Tribromophenol	150	162	108		44	137
		Terphenyl-d14	100	88.1	88		48	125
Q1216-16	JPP-26.1-012825	2-Fluorophenol	150	147	98		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	104	104		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	170	113		44	137
		Terphenyl-d14	100	95.0	95		48	125
Q1216-20	JPP-26.2-012825	2-Fluorophenol	150	136	91		10	139
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	95.3	95		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	96.2	96		48	125
Q1218-02MS	BELL-25-002MS	2-Fluorophenol	150	117	78		10	139
		Phenol-d6	150	108	72		10	134
		Nitrobenzene-d5	100	92.8	93		49	133

Surrogate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1218-02MS	BELL-25-002MS	2-Fluorobiphenyl	100	92.6	93		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	63.3	63		48	125
Q1218-02MSD	BELL-25-002MSD	2-Fluorophenol	150	124	83		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	89.4	89		49	133
		2-Fluorobiphenyl	100	85.7	86		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	68.2	68		48	125

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1218-02MS		Client Sample ID: BELL-25-002MS		DataFile: BF141339.D							
Pyridine	500	0	210	ug/L	42				10	109	
1,4-Dichlorobenzene	500	0	360	ug/L	72				55	125	
2-Methylphenol	500	0	360	ug/L	72				37	126	
3+4-Methylphenols	500	0	350	ug/L	70				31	127	
Hexachloroethane	500	0	380	ug/L	76				49	110	
Nitrobenzene	500	0	480	ug/L	96				62	112	
Hexachlorobutadiene	500	0	340	ug/L	68				52	125	
2,4,6-Trichlorophenol	500	0	460	ug/L	92				78	112	
2,4,5-Trichlorophenol	500	0	420	ug/L	84				71	111	
2,4-Dinitrotoluene	500	0	380	ug/L	76				50	142	
Hexachlorobenzene	500	0	440	ug/L	88				72	115	
Pentachlorophenol	1000	0	980	ug/L	98				25	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1218-02MSD	Client Sample ID:	BELL-25-002MSD					DataFile:	BF141340.D		
Pyridine	500	0	220	ug/L	44		5		10	109	20
1,4-Dichlorobenzene	500	0	360	ug/L	72		0		55	125	20
2-Methylphenol	500	0	400	ug/L	80		11		37	126	20
3+4-Methylphenols	500	0	400	ug/L	80		13		31	127	20
Hexachloroethane	500	0	380	ug/L	76		0		49	110	20
Nitrobenzene	500	0	460	ug/L	92		4		62	112	20
Hexachlorobutadiene	500	0	320	ug/L	64		6		52	125	20
2,4,6-Trichlorophenol	500	0	450	ug/L	90		2		78	112	20
2,4,5-Trichlorophenol	500	0	440	ug/L	88		5		71	111	20
2,4-Dinitrotoluene	500	0	380	ug/L	76		0		50	142	20
Hexachlorobenzene	500	0	450	ug/L	90		2		72	115	20
Pentachlorophenol	1000	0	940	ug/L	94		4		25	139	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8270E

DataFile: BF141407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB166426BS	Pyridine	50	39.6	ug/L	79				29	97	
	1,4-Dichlorobenzene	50	45.5	ug/L	91				76	103	
	2-Methylphenol	50	45.9	ug/L	92				69	109	
	3+4-Methylphenols	50	48.4	ug/L	97				67	106	
	Hexachloroethane	50	47.5	ug/L	95				76	118	
	Nitrobenzene	50	44.9	ug/L	90				58	106	
	Hexachlorobutadiene	50	48.0	ug/L	96				69	101	
	2,4,6-Trichlorophenol	50	48.8	ug/L	98				61	110	
	2,4,5-Trichlorophenol	50	47.3	ug/L	95				70	106	
	2,4-Dinitrotoluene	50	50.0	ug/L	100				60	115	
	Hexachlorobenzene	50	48.9	ug/L	98				73	106	
	Pentachlorophenol	100	100	ug/L	100				47	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166426BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: BF141362.D

Lab Sample ID: PB166426BL

Instrument ID: BNA_F

Date Extracted: 01/31/2025

Matrix: (soil/water) water

Date Analyzed: 02/03/2025

Level: (low/med) LOW

Time Analyzed: 11:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
JPP-21.2-012825	Q1216-12	BF141375.D	02/03/2025
JPP-26.1-012825	Q1216-16	BF141376.D	02/03/2025
JPP-26.2-012825	Q1216-20	BF141377.D	02/03/2025
PB166356TB	PB166356TB	BF141406.D	02/04/2025
PB166426BS	PB166426BS	BF141407.D	02/04/2025
JPP-21.1-012825	Q1216-08	BF141421.D	02/04/2025
JPP-18.1-012825	Q1216-04	BF141494.D	02/06/2025
BELL-25-002MS	Q1218-02MS	BF141339.D	01/31/2025
BELL-25-002MSD	Q1218-02MSD	BF141340.D	01/31/2025

COMMENTS: _____



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141289.DDFTPP Injection Date: 01/29/2025Instrument ID: BNA_FDFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
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	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (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	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141335.DDFTPP Injection Date: 01/31/2025Instrument ID: BNA_FDFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
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
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
BELL-25-002MS	Q1218-02MS	BF141339.D	01/31/2025	18:44
BELL-25-002MSD	Q1218-02MSD	BF141340.D	01/31/2025	19:11



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141360.DDFTPP Injection Date: 02/03/2025Instrument ID: BNA_FDFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
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	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141361.D	02/03/2025	11:24
PB166426BL	PB166426BL	BF141362.D	02/03/2025	11:51



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141372.DDFTPP Injection Date: 02/03/2025Instrument ID: BNA_FDFTPP Injection Time: 16:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.1
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	50.3
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	6.9
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.7 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141373.D	02/03/2025	17:14
JPP-21.2-012825	Q1216-12	BF141375.D	02/03/2025	18:12
JPP-26.1-012825	Q1216-16	BF141376.D	02/03/2025	18:38
JPP-26.2-012825	Q1216-20	BF141377.D	02/03/2025	19:04



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141397.DDFTPP Injection Date: 02/04/2025Instrument ID: BNA_FDFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
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
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141398.D	02/04/2025	10:42
PB166356TB	PB166356TB	BF141406.D	02/04/2025	14:13
PB166426BS	PB166426BS	BF141407.D	02/04/2025	14:39



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141409.DDFTPP Injection Date: 02/04/2025Instrument ID: BNA_FDFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.1 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141410.D	02/04/2025	15:58
JPP-21.1-012825	Q1216-08	BF141421.D	02/04/2025	20:52



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1216 SDG NO.: Q1216Lab File ID: BF141471.DDFTPP Injection Date: 02/06/2025Instrument ID: BNA_FDFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.1
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
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14
JPP-18.1-012825	Q1216-04	BF141494.D	02/06/2025	21:30

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	140033	6.798	558386	8.08	299701	9.84
UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
EPA SAMPLE NO.						
01 BELL-25-002MS	131554	6.80	434471	8.08	208861	9.84
02 BELL-25-002MSD	142670	6.80	521314	8.09	271292	9.85

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	493954	11.322	281629	13.968	286623	15.433
UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
EPA SAMPLE NO.						
01 BELL-25-002MS	316494	11.32	287072	13.97	323532	15.43
02 BELL-25-002MSD	395783	11.33	279691	13.97	312761	15.42

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	93803	6.798	362783	8.08	198566	9.83
UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
EPA SAMPLE NO.						
01 PB166426BL	87343	6.79	347606	8.08	191809	9.83

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	334466	11.322	243574	13.968	284769	15.427
UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
EPA SAMPLE NO.						
01 PB166426BL	337058	11.32	285942	13.96	281061	15.42

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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	104167	6.798	414412	8.08	226326	9.83
UPPER LIMIT	208334	7.298	828824	8.581	452652	10.333
LOWER LIMIT	52083.5	6.298	207206	7.581	113163	9.333
EPA SAMPLE NO.						
01 JPP-21.2-012825	99448	6.79	410147	8.08	226351	9.83
02 JPP-26.1-012825	83924	6.79	324478	8.08	176814	9.83
03 JPP-26.2-012825	107263	6.79	439549	8.08	235703	9.83

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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	383558	11.322	233911	13.963	231577	15.415
UPPER LIMIT	767116	11.822	467822	14.463	463154	15.915
LOWER LIMIT	191779	10.822	116956	13.463	115789	14.915
EPA SAMPLE NO.						
01 JPP-21.2-012825	389099	11.32	282756	13.96	207018	15.41
02 JPP-26.1-012825	304079	11.32	223365	13.96	155322	15.42
03 JPP-26.2-012825	317470	11.32	220783	13.96	155960	15.41

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	87552	6.793	331835	8.08	180473	9.83
UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
EPA SAMPLE NO.						
01 PB166356TB	94457	6.79	389015	8.07	210477	9.83
02 PB166426BS	82681	6.79	331184	8.08	180993	9.83

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	318826	11.316	235294	13.963	201713	15.421
UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
EPA SAMPLE NO.						
01 PB166356TB	363737	11.32	282057	13.96	223254	15.42
02 PB166426BS	312610	11.32	234119	13.96	200536	15.42

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	89972	6.792	349697	8.08	187729	9.83
UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
EPA SAMPLE NO.						
01 JPP-21.1-012825	74626	6.79	293999	8.07	165750	9.82

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	325046	11.316	235785	13.963	203742	15.421
UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
EPA SAMPLE NO.						
01 JPP-21.1-012825	297752	11.31	264789	13.96	216090	15.42

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDICCC040 Date Analyzed: 02/06/2025

Lab File ID: BF141476.D Time Analyzed: 12:55

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	89095	6.787	351555	8.08	193385	9.83
UPPER LIMIT	178190	7.287	703110	8.575	386770	10.328
LOWER LIMIT	44547.5	6.287	175778	7.575	96692.5	9.328
EPA SAMPLE NO.						
01 JPP-18.1-012825	90463	6.79	367743	8.07	202265	9.82

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: CHEMTECH

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

EPA Sample No.: SSTDICCC040 Date Analyzed: 02/06/2025

Lab File ID: BF141476.D Time Analyzed: 12:55

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	336425	11.316	225462	13.957	182907	15.415
UPPER LIMIT	672850	11.816	450924	14.457	365814	15.915
LOWER LIMIT	168213	10.816	112731	13.457	91453.5	14.915
EPA SAMPLE NO.						
01 JPP-18.1-012825	358530	11.31	234861	13.95	142150	15.40

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PB166356TB	SDG No.:	Q1216
Lab Sample ID:	PB166356TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141406.D	1	01/31/25 10:29	02/04/25 14:13	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		10 - 139	84%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.5		49 - 133	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.2		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	80.1		48 - 125	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	94500	6.787			
1146-65-2	Naphthalene-d8	389000	8.069			
15067-26-2	Acenaphthene-d10	210000	9.828			
1517-22-2	Phenanthrene-d10	364000	11.316			
1719-03-5	Chrysene-d12	282000	13.957			
1520-96-3	Perylene-d12	223000	15.421			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PB166356TB	SDG No.:	Q1216
Lab Sample ID:	PB166356TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141406.D	1	01/31/25 10:29	02/04/25 14:13	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020425\
Data File : BF141406.D
Acq On : 04 Feb 2025 14:13
Operator : RC/JU
Sample : PB166356TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166356TB

Quant Time: Feb 04 14:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	94457	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	389015	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	210477	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	363737	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	282057	20.000	ng	-0.02
86) Perylene-d12	15.421	264	223254	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775752	126.082	ng	0.00
7) Phenol-d6	6.428	99	960023	122.654	ng	-0.01
23) Nitrobenzene-d5	7.351	82	638025	86.461	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	261673	135.611	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1179184	86.232	ng	-0.02
79) Terphenyl-d14	12.904	244	1465153	80.109	ng	-0.01

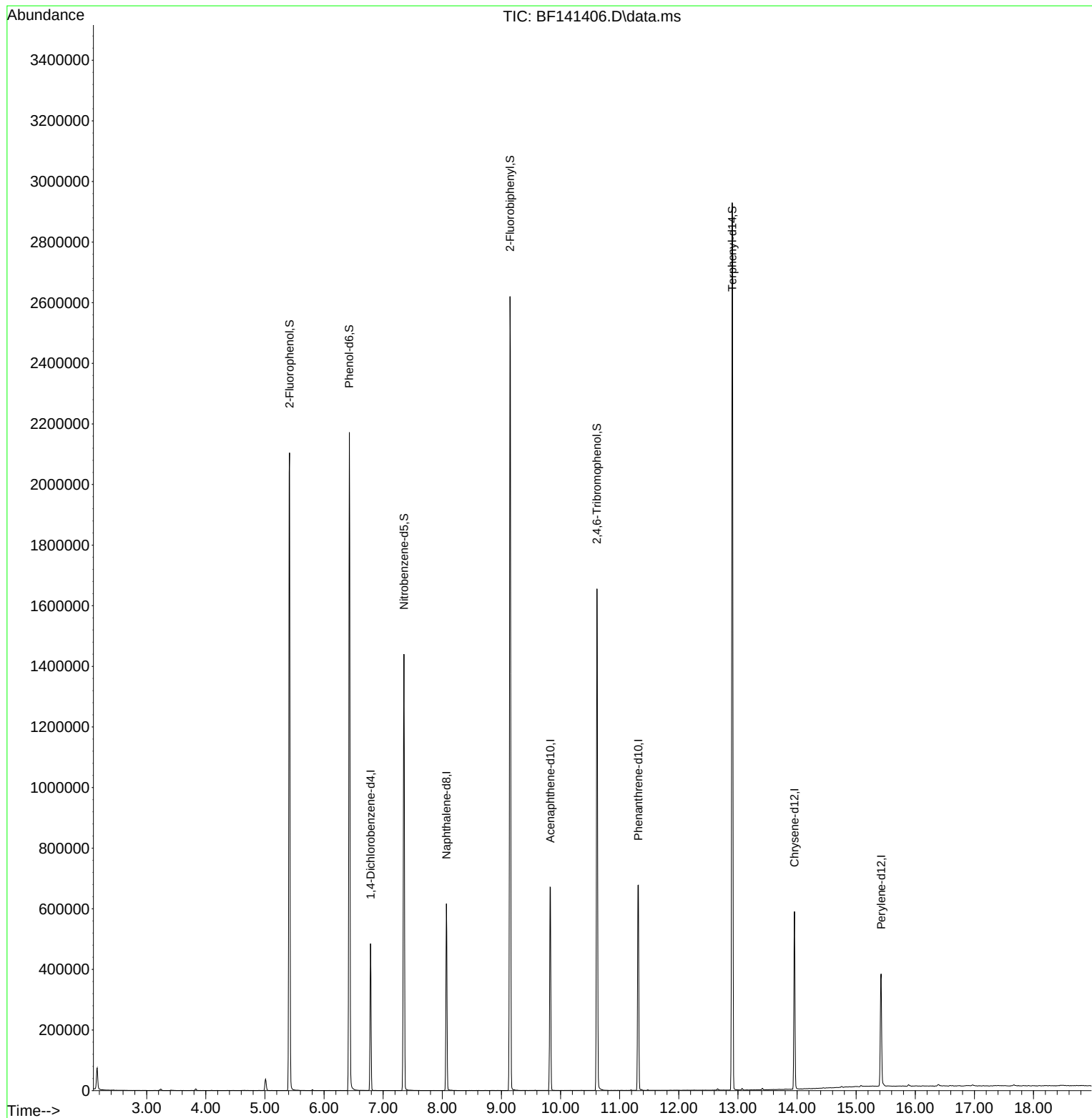
Target Compounds	Qvalue

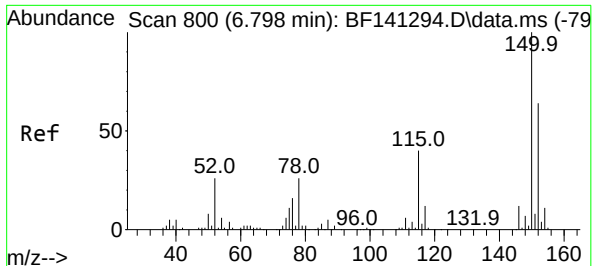
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141406.D
Acq On : 04 Feb 2025 14:13
Operator : RC/JU
Sample : PB166356TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166356TB

Quant Time: Feb 04 14:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

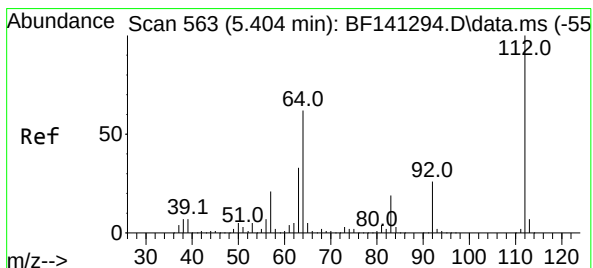
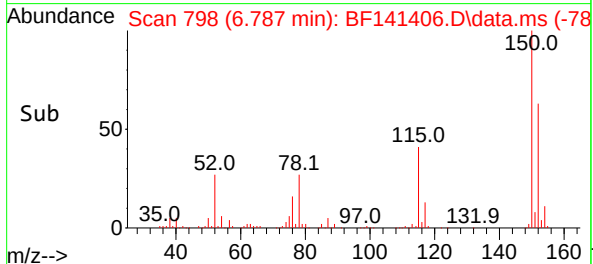
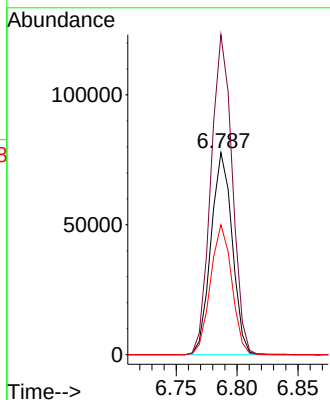
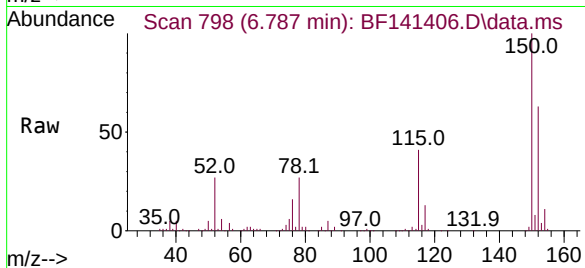




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

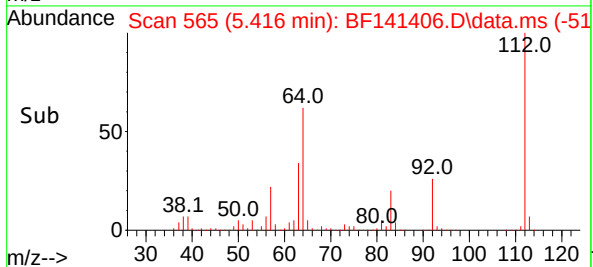
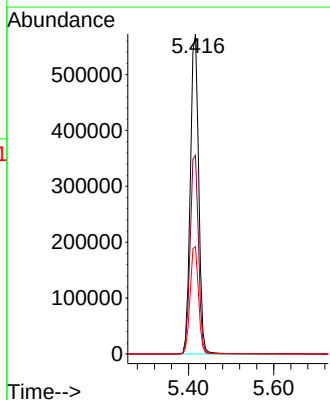
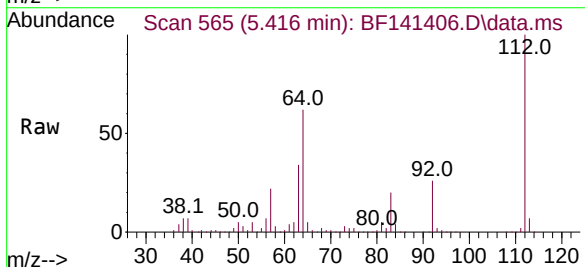
Instrument :
BNA_F
ClientSampleId :
PB166356TB

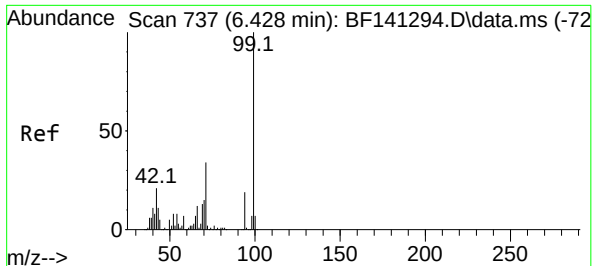
Tgt Ion:152 Resp: 94457
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 64.2 49.7 74.5



#5
2-Fluorophenol
Concen: 126.082 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion:112 Resp: 775752
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 33.5 26.1 39.1

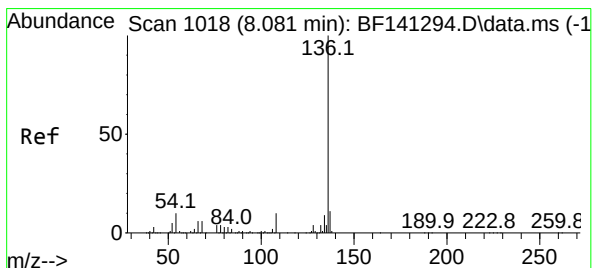
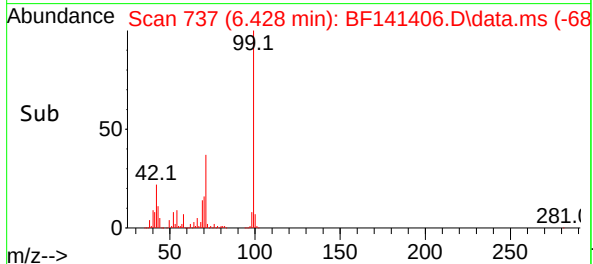
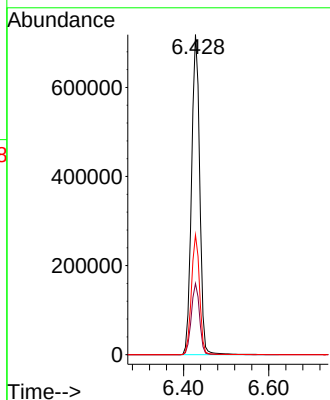
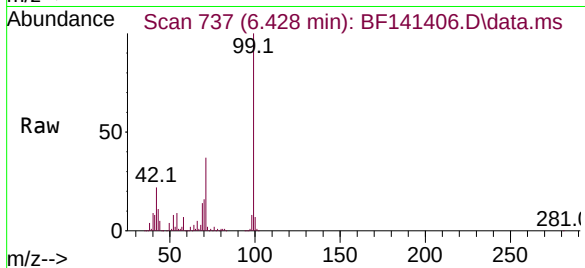




#7
Phenol-d6
Concen: 122.654 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

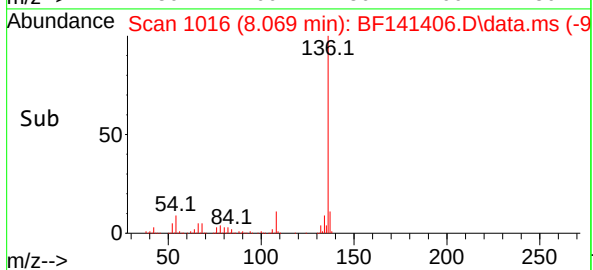
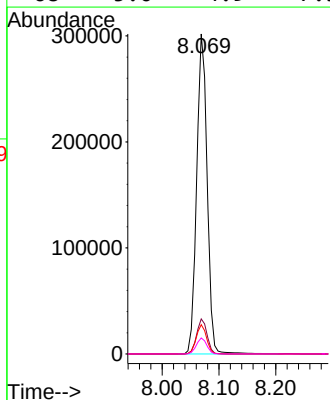
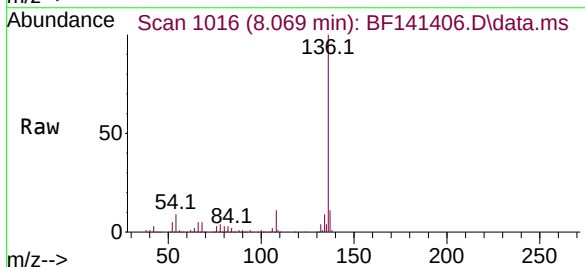
Instrument :
BNA_F
ClientSampleId :
PB166356TB

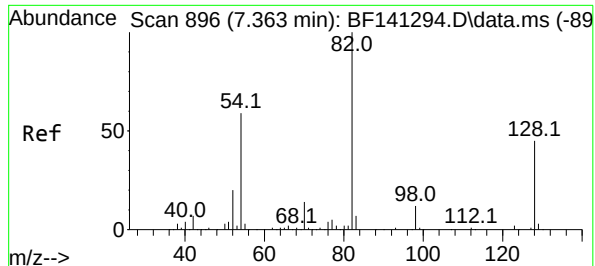
Tgt Ion: 99 Resp: 960023
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 37.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion: 136 Resp: 389015
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.2 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 86.461 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

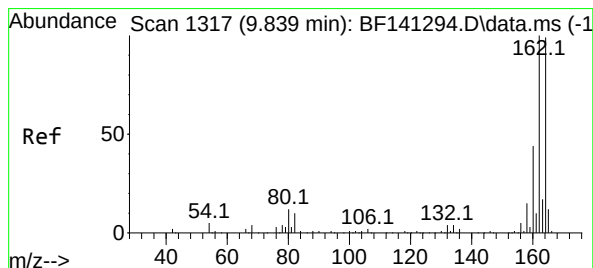
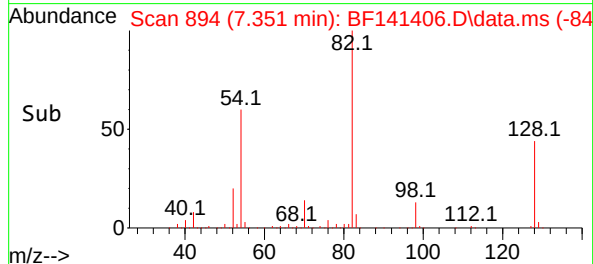
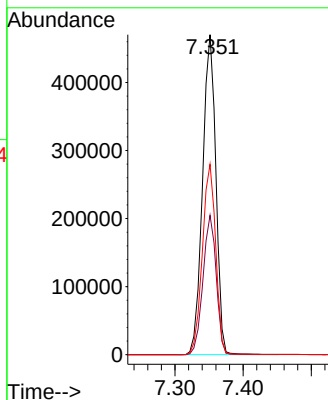
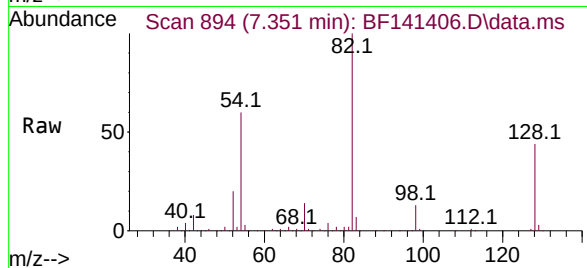
Tgt Ion: 82 Resp: 638025

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 59.5 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

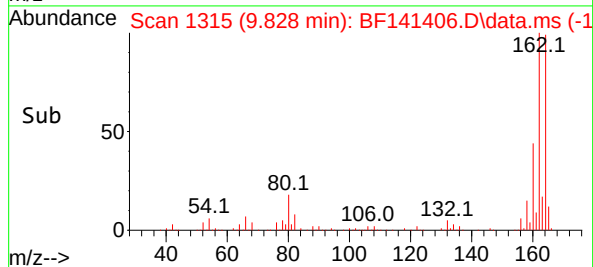
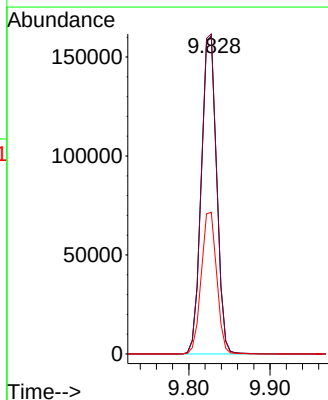
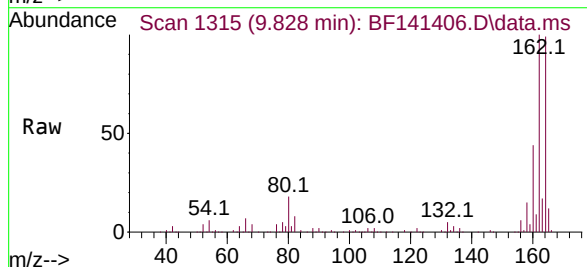
Tgt Ion:164 Resp: 210477

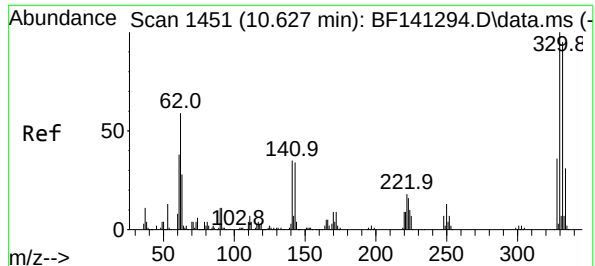
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 135.611 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF141406.D

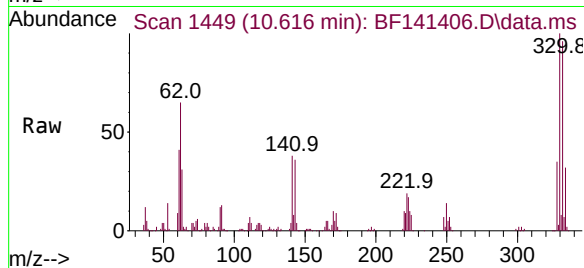
Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB



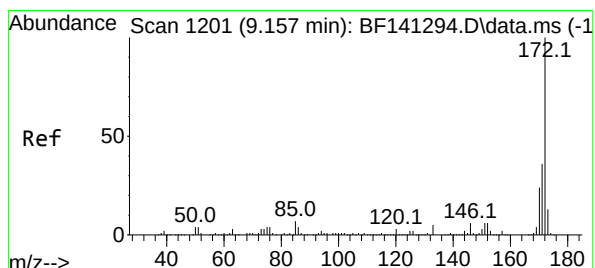
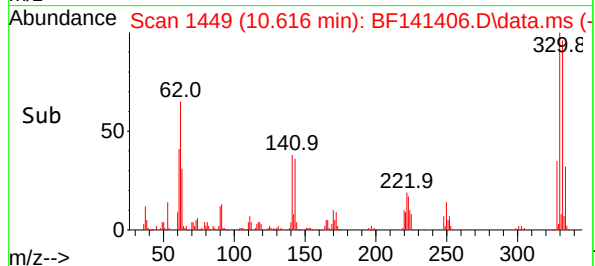
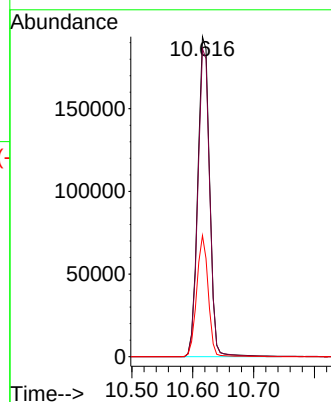
Tgt Ion:330 Resp: 261673

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

141 36.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 86.232 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

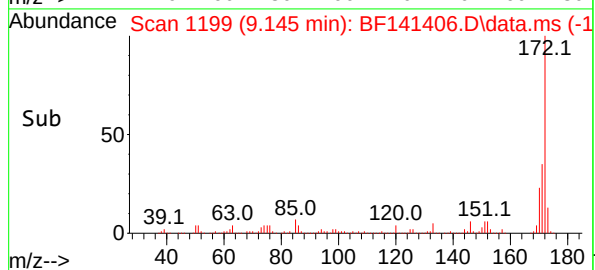
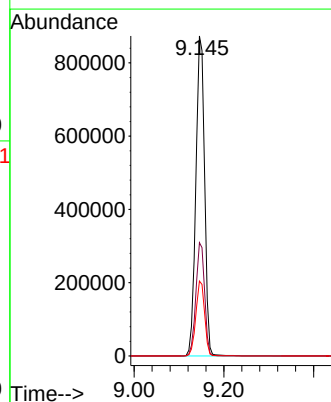
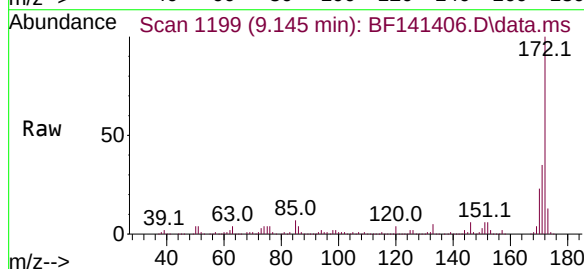
Tgt Ion:172 Resp: 1179184

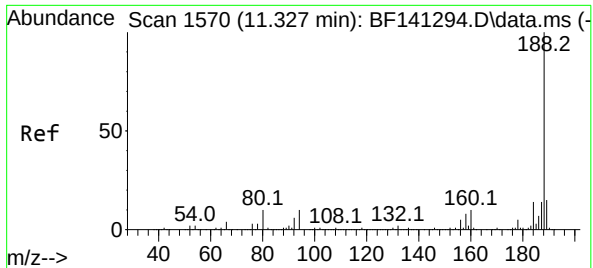
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6

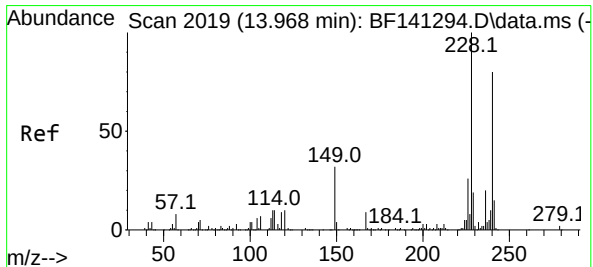
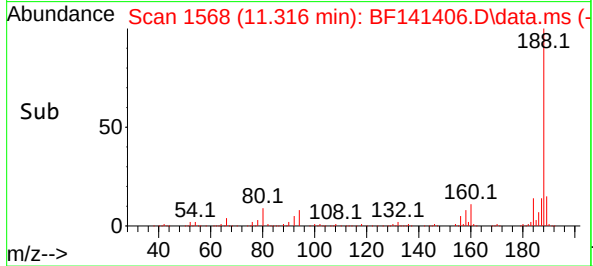
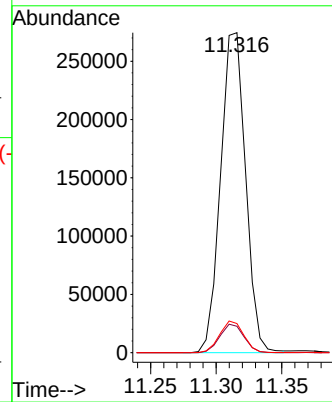
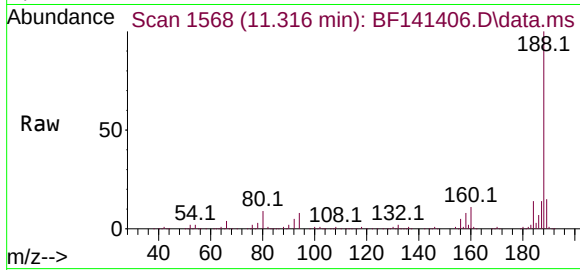




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

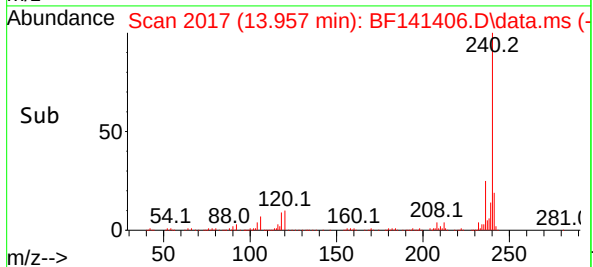
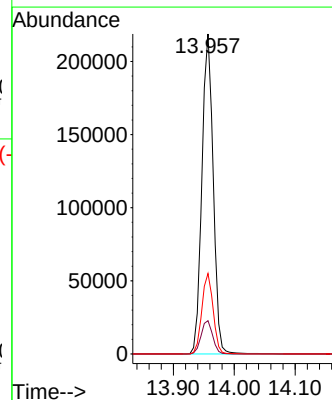
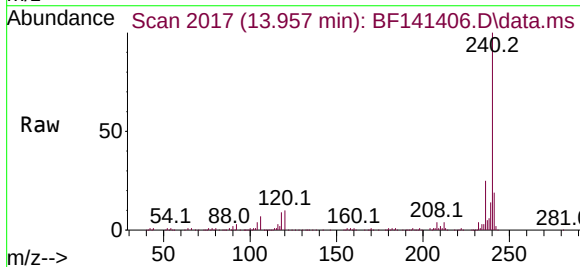
Instrument :
BNA_F
ClientSampleId :
PB166356TB

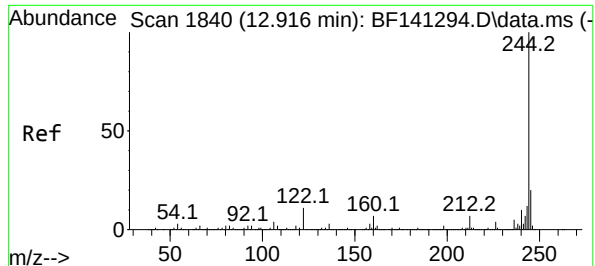
Tgt Ion:188 Resp: 363737
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 9.1 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion:240 Resp: 282057
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.2 19.7 29.5





#79

Terphenyl-d14

Concen: 80.109 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

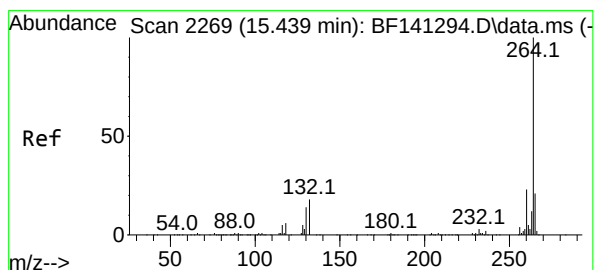
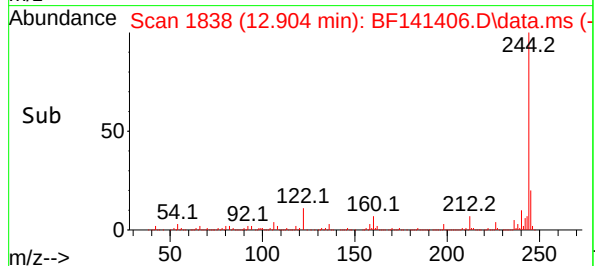
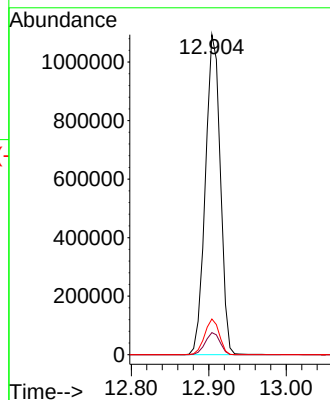
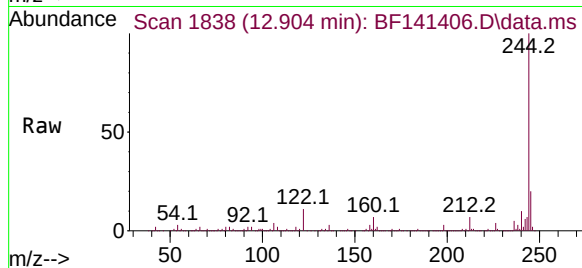
Tgt Ion:244 Resp: 1465153

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.2 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

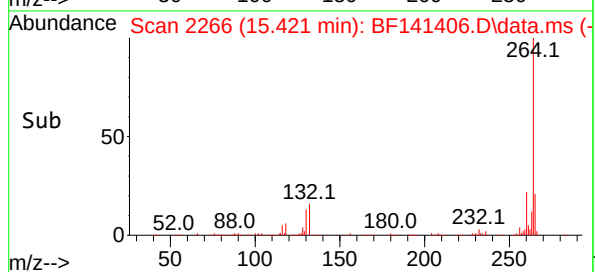
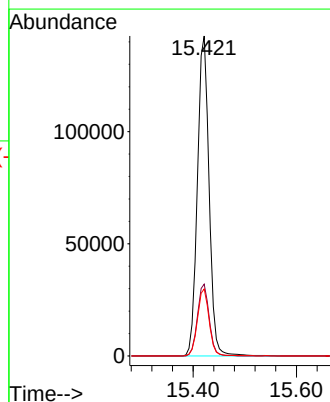
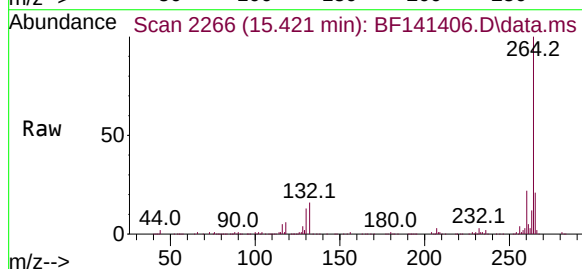
Tgt Ion:264 Resp: 223254

Ion Ratio Lower Upper

264 100

260 22.4 18.6 27.8

265 21.0 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141494.D	1	01/31/25 10:29	02/06/25 21:30	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	128		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		52 - 132	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		44 - 137	104%	SPK: 150
1718-51-0	Terphenyl-d14	114		48 - 125	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90500	6.787			
1146-65-2	Naphthalene-d8	368000	8.069			
15067-26-2	Acenaphthene-d10	202000	9.822			
1517-22-2	Phenanthrene-d10	359000	11.31			
1719-03-5	Chrysene-d12	235000	13.951			
1520-96-3	Perylene-d12	142000	15.398			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141494.D	1	01/31/25 10:29	02/06/25 21:30	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020625\
Data File : BF141494.D
Acq On : 06 Feb 2025 21:30
Operator : RC/JU
Sample : Q1216-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Quant Time: Feb 07 01:57:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90463	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	367743	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	202265	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	358530	20.000	ng	0.00
76) Chrysene-d12	13.951	240	234861	20.000	ng	-0.01
86) Perylene-d12	15.398	264	142150	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	774190	134.169	ng	0.02
7) Phenol-d6	6.428	99	935456	128.265	ng	-0.01
23) Nitrobenzene-d5	7.351	82	701373	99.478	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	318048	156.532	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1319460	100.503	ng	0.00
79) Terphenyl-d14	12.904	244	1590321	114.312	ng	0.00

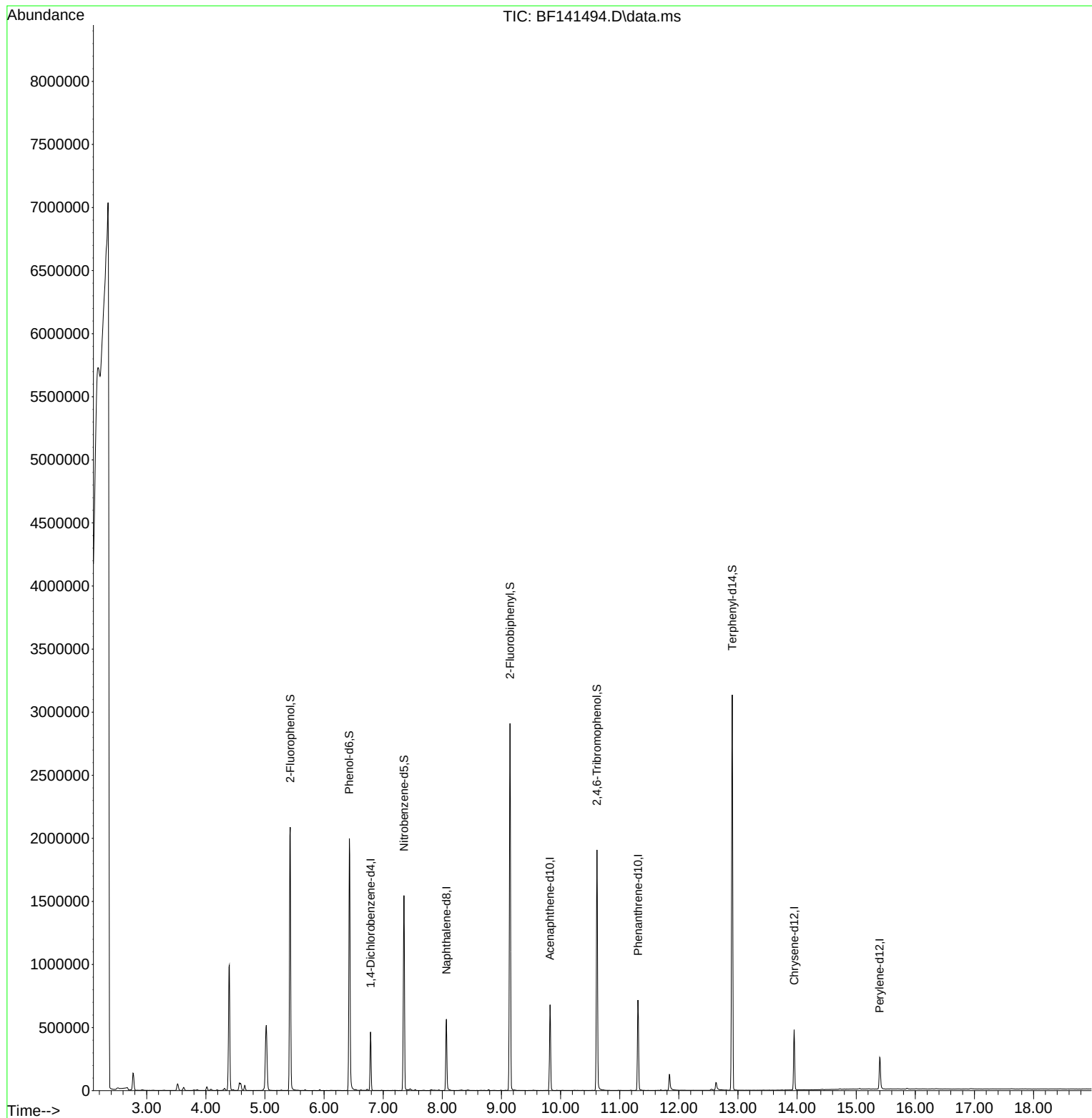
Target Compounds	Qvalue
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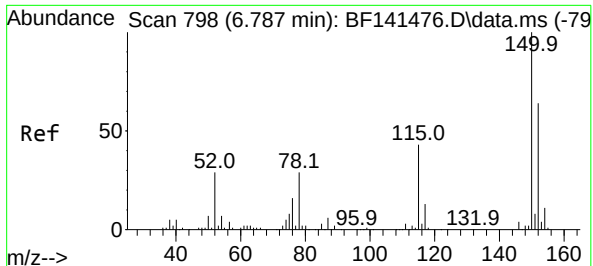
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141494.D
Acq On : 06 Feb 2025 21:30
Operator : RC/JU
Sample : Q1216-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Quant Time: Feb 07 01:57:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

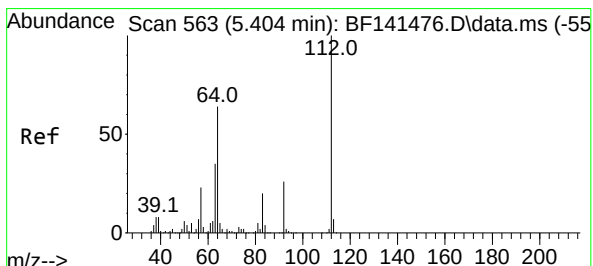
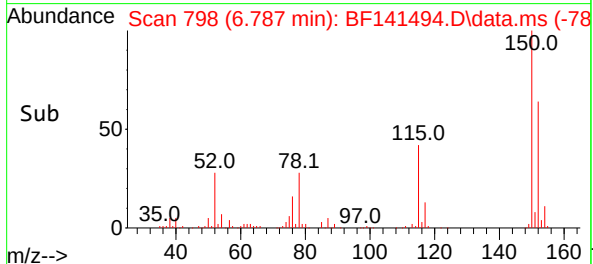
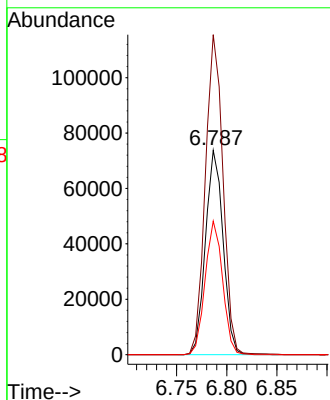
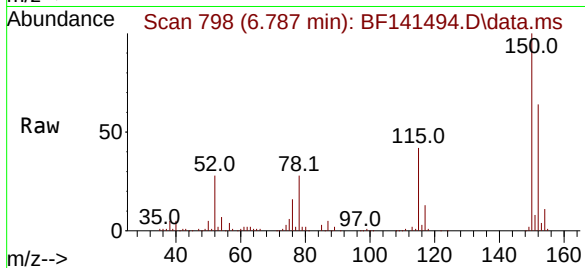




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

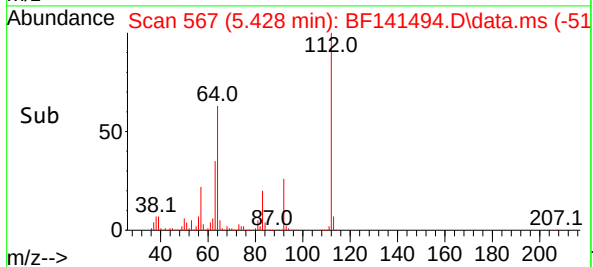
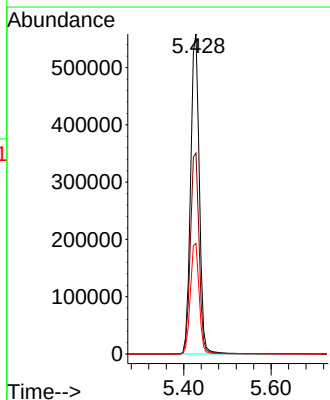
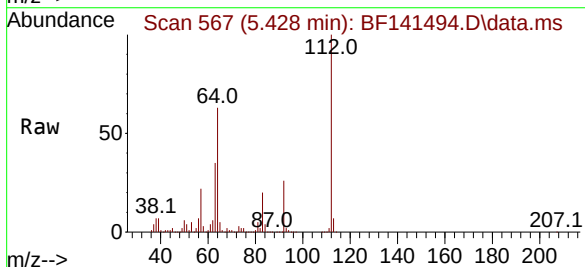
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

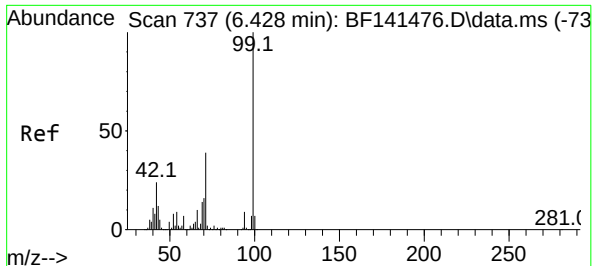
Tgt Ion:152 Resp: 90463
Ion Ratio Lower Upper
152 100
150 156.6 125.0 187.4
115 65.4 53.6 80.4



#5
2-Fluorophenol
Concen: 134.169 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

Tgt Ion:112 Resp: 774190
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.5 28.4 42.6

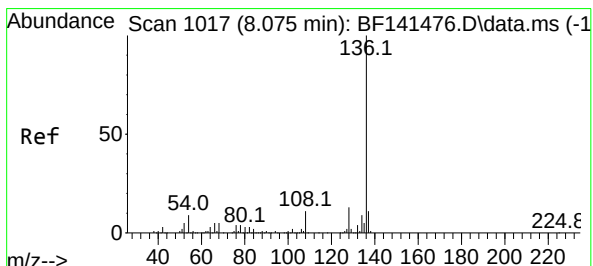
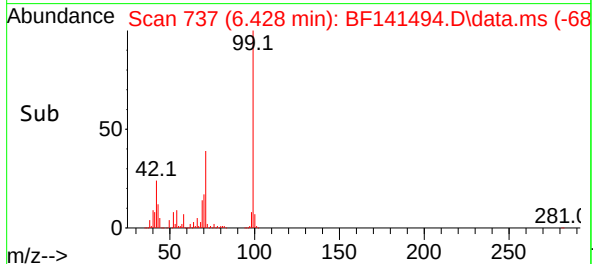
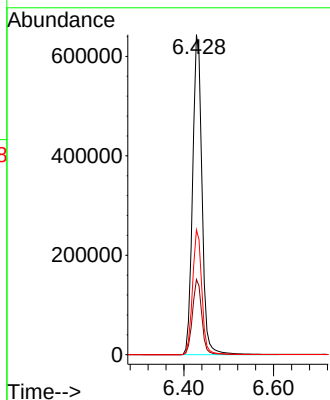
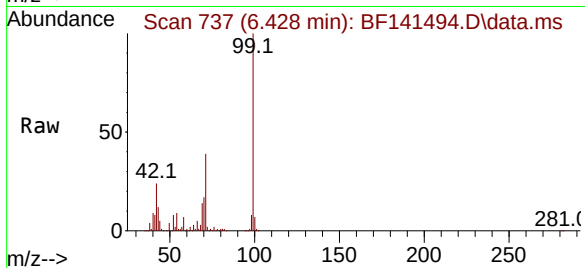




#7
Phenol-d6
Concen: 128.265 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

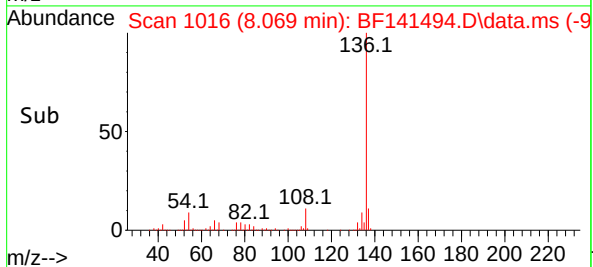
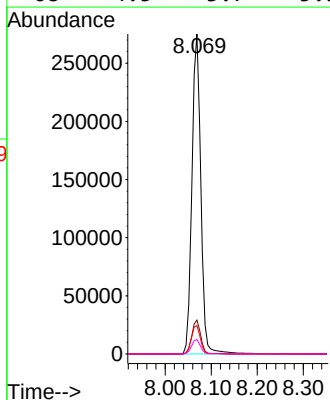
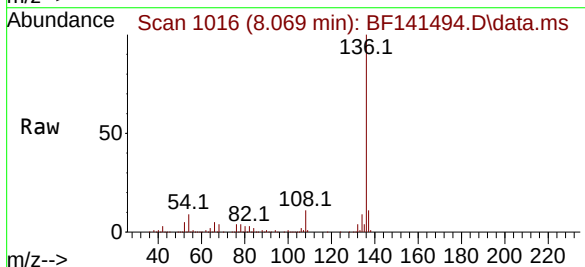
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

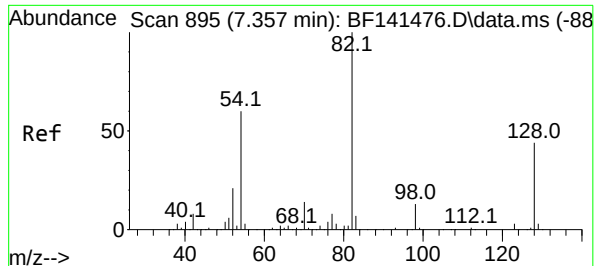
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.5	19.1	28.7
71	39.0	31.1	46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.9	7.2	10.8
68	4.5	3.7	5.5





#23

Nitrobenzene-d5

Concen: 99.478 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141494.D

Acq: 06 Feb 2025 21:30

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

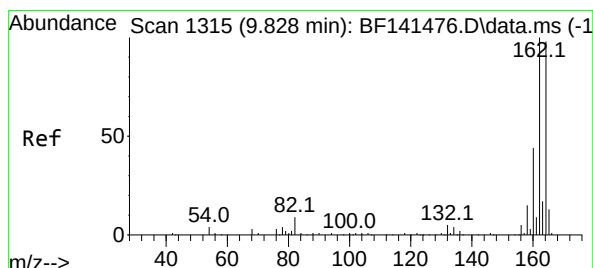
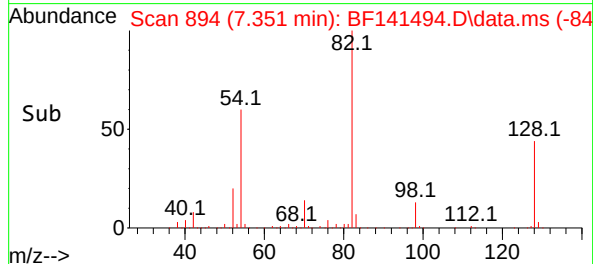
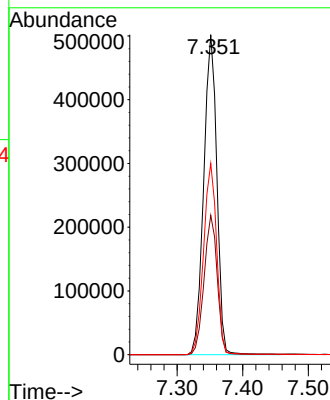
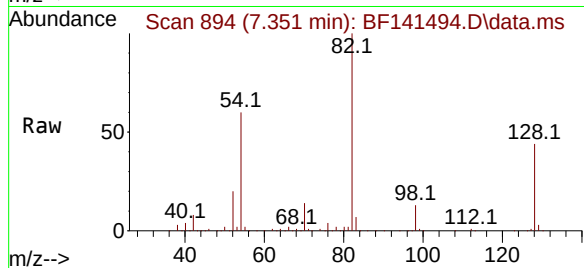
Tgt Ion: 82 Resp: 701373

Ion Ratio Lower Upper

82 100

128 43.6 34.8 52.2

54 59.7 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141494.D

Acq: 06 Feb 2025 21:30

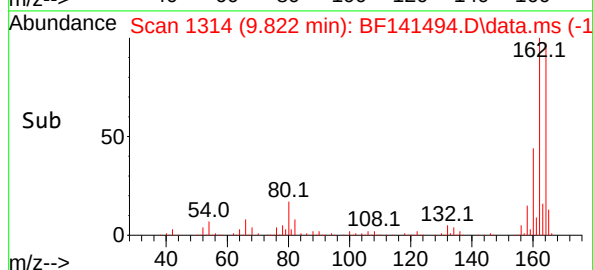
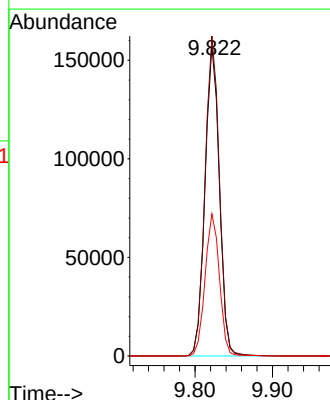
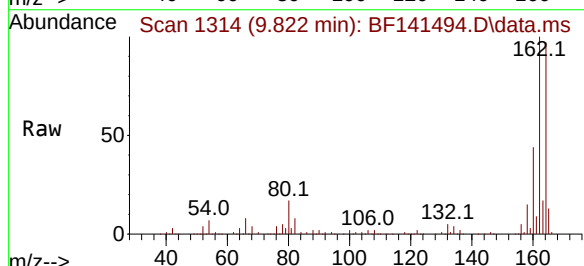
Tgt Ion:164 Resp: 202265

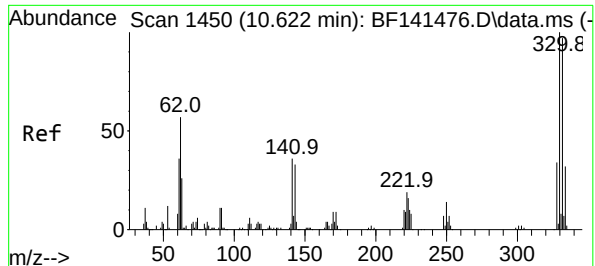
Ion Ratio Lower Upper

164 100

162 103.3 81.3 121.9

160 45.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 156.532 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141494.D

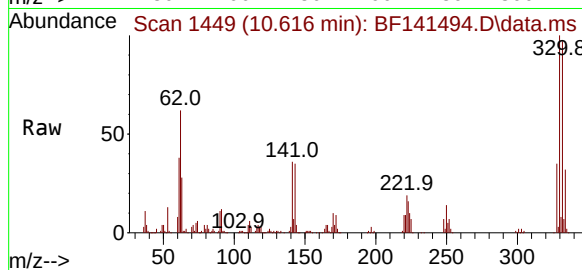
Acq: 06 Feb 2025 21:30

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825



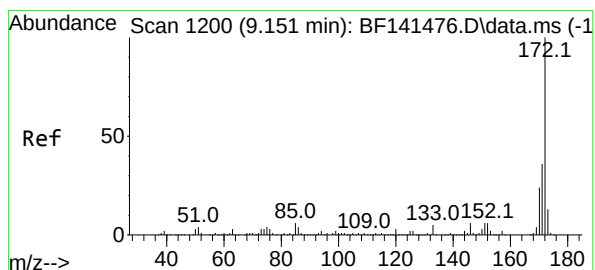
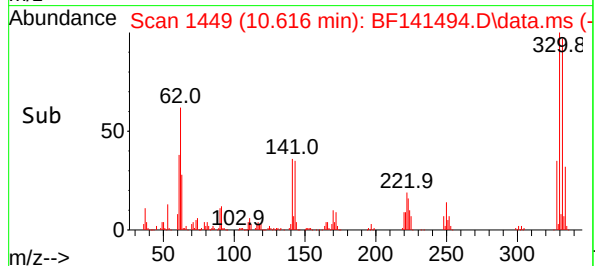
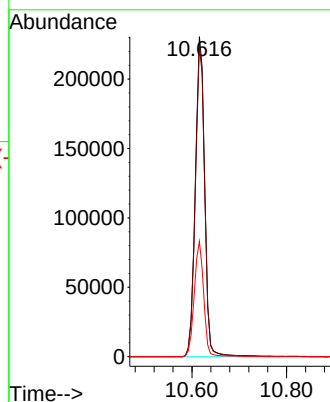
Tgt Ion:330 Resp: 318048

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

141 36.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 100.503 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141494.D

Acq: 06 Feb 2025 21:30

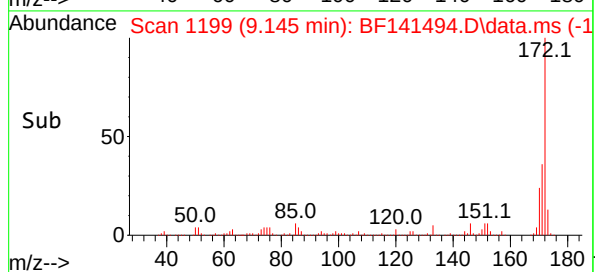
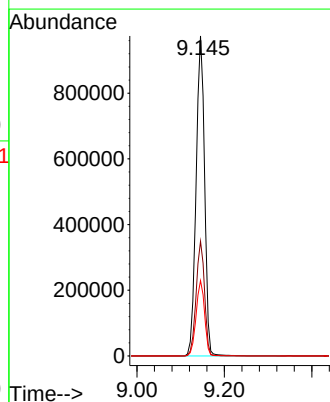
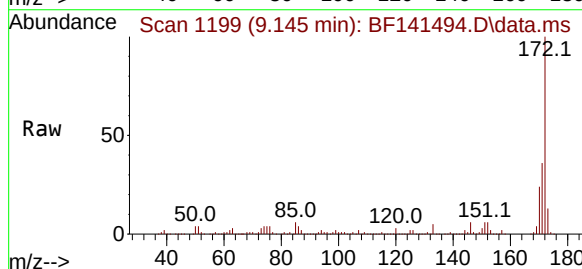
Tgt Ion:172 Resp: 1319460

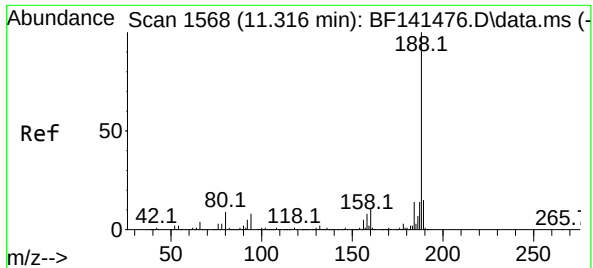
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 18.9 28.3

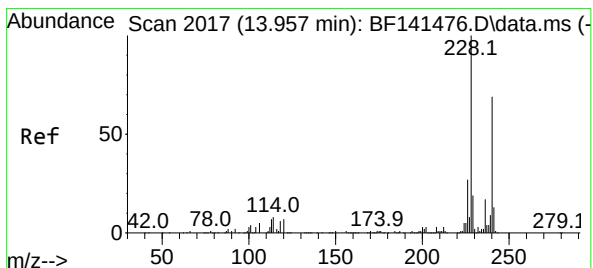
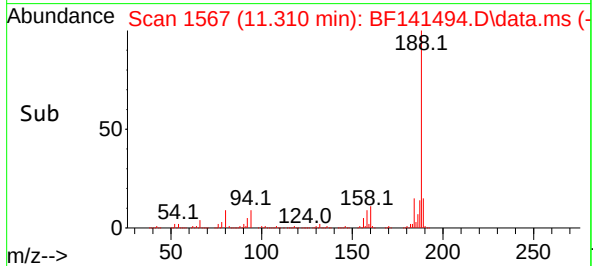
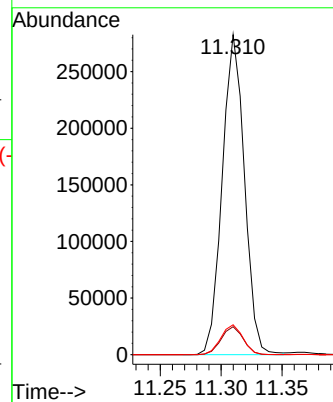
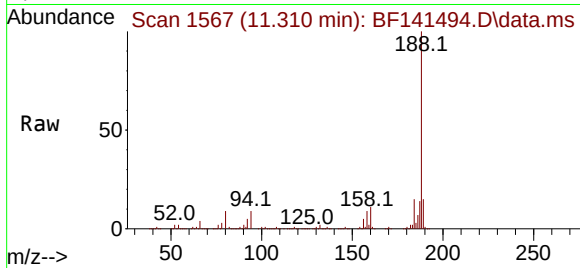




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

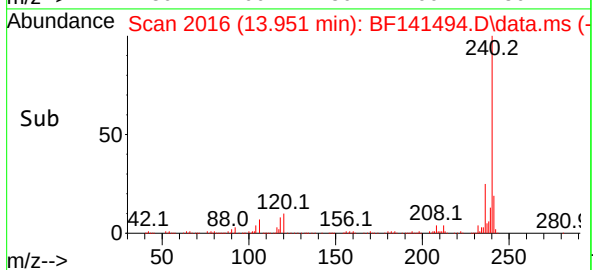
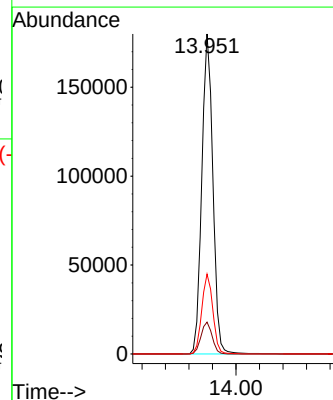
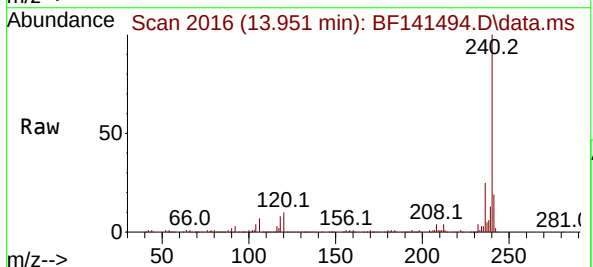
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

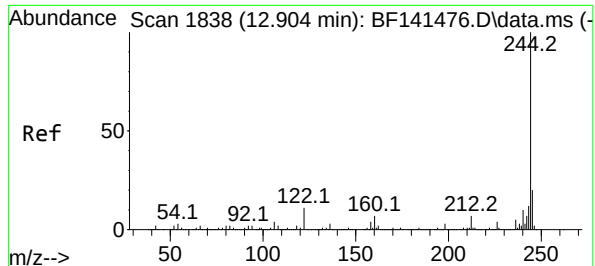
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	7.3	10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141494.D
Acq: 06 Feb 2025 21:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	25.0	19.8	29.8





#79

Terphenyl-d14

Concen: 114.312 ng

RT: 12.904 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141494.D

Acq: 06 Feb 2025 21:30

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

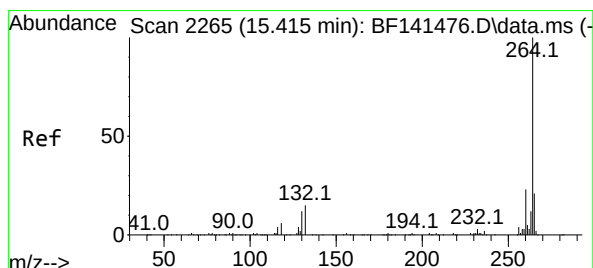
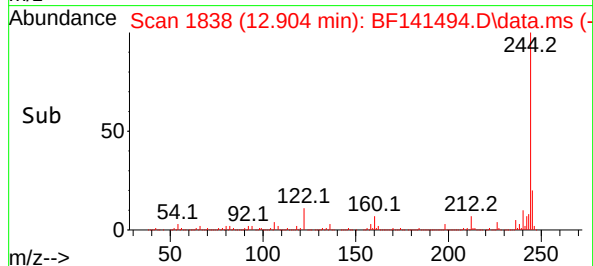
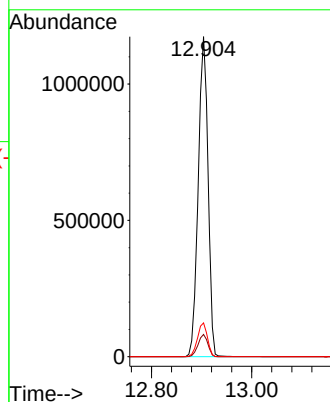
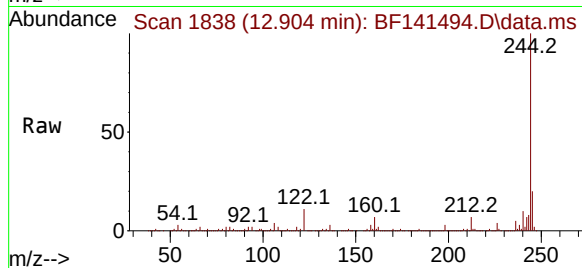
Tgt Ion:244 Resp: 1590321

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.5 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.018 min

Lab File: BF141494.D

Acq: 06 Feb 2025 21:30

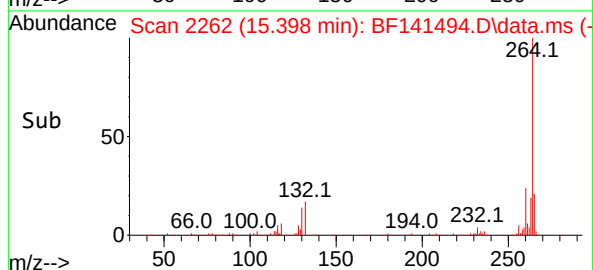
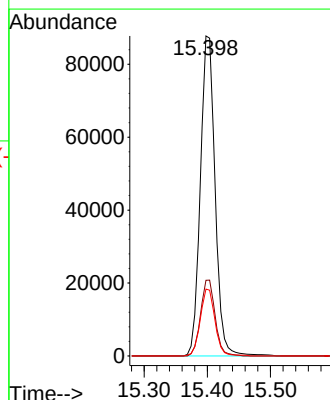
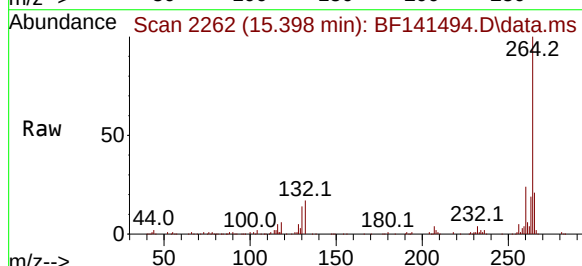
Tgt Ion:264 Resp: 142150

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 20.9 17.0 25.4



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141421.D	1	01/31/25 10:29	02/04/25 20:52	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	124		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		49 - 133	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		52 - 132	104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177		44 - 137	118%	SPK: 150
1718-51-0	Terphenyl-d14	86.0		48 - 125	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74600	6.787			
1146-65-2	Naphthalene-d8	294000	8.069			
15067-26-2	Acenaphthene-d10	166000	9.822			
1517-22-2	Phenanthrene-d10	298000	11.31			
1719-03-5	Chrysene-d12	265000	13.957			
1520-96-3	Perylene-d12	216000	15.416			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141421.D	1	01/31/25 10:29	02/04/25 20:52	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020425\
Data File : BF141421.D
Acq On : 04 Feb 2025 20:52
Operator : RC/JU
Sample : Q1216-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

Quant Time: Feb 05 00:34:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	74626	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	293999	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	165750	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	297752	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	264789	20.000	ng	#-0.02
86) Perylene-d12	15.416	264	216090	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	672536	138.354	ng	0.01
7) Phenol-d6	6.428	99	765083	123.724	ng	-0.01
23) Nitrobenzene-d5	7.351	82	602942	108.113	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	268296	176.563	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1121549	104.149	ng	-0.02
79) Terphenyl-d14	12.904	244	1477098	86.029	ng	-0.01

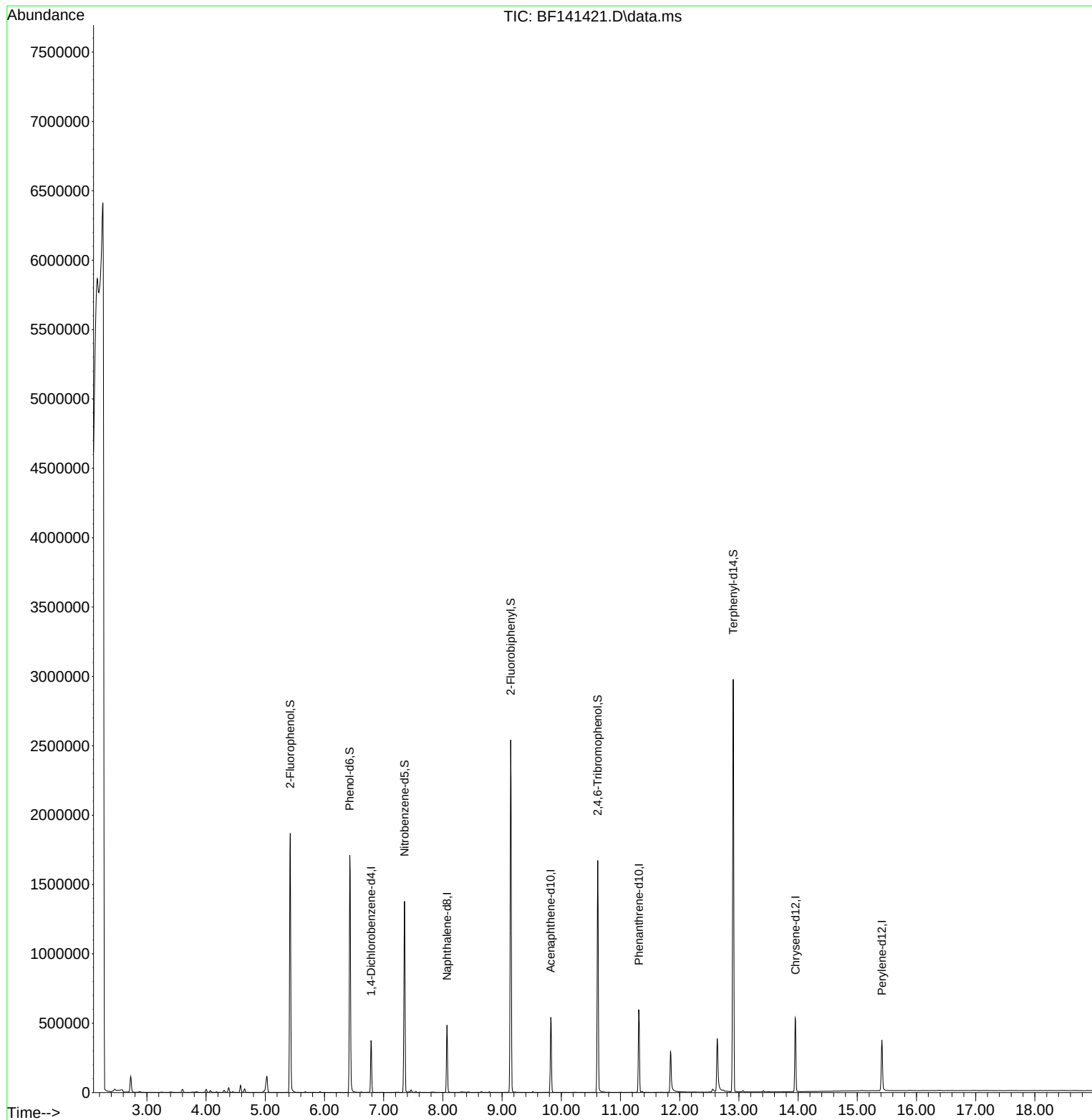
Target Compounds	Qvalue
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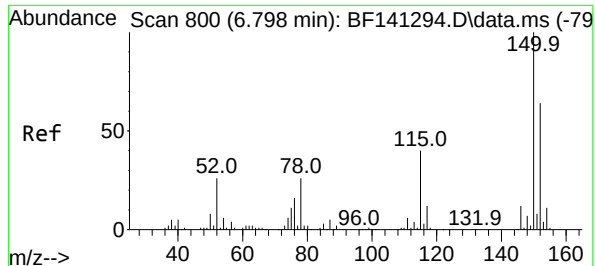
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141421.D
Acq On : 04 Feb 2025 20:52
Operator : RC/JU
Sample : Q1216-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

Quant Time: Feb 05 00:34:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

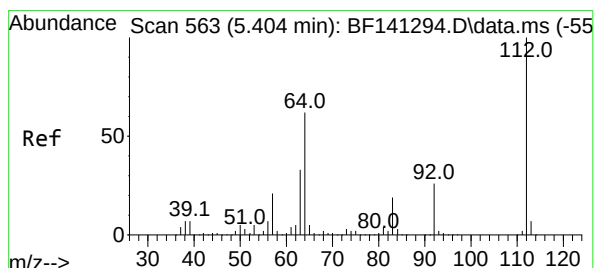
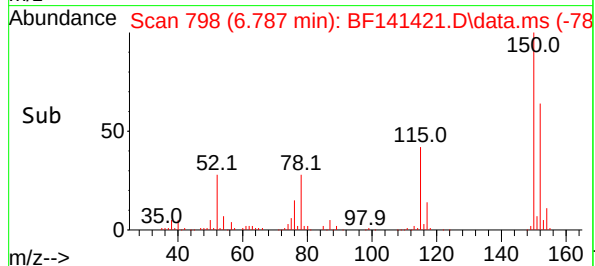
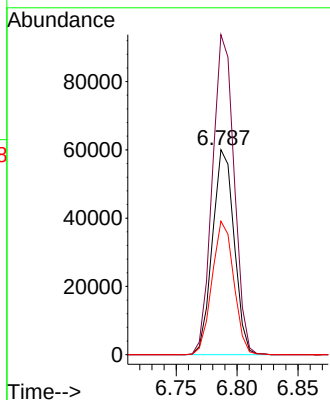
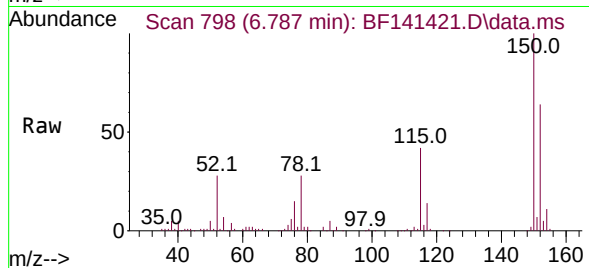




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

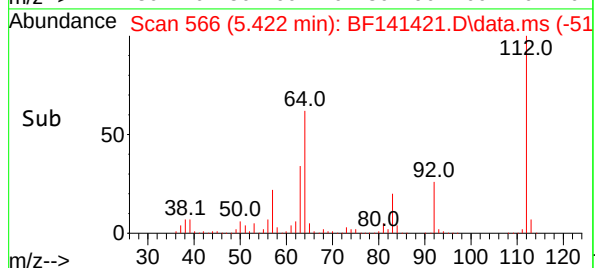
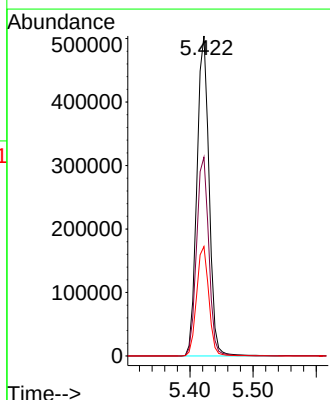
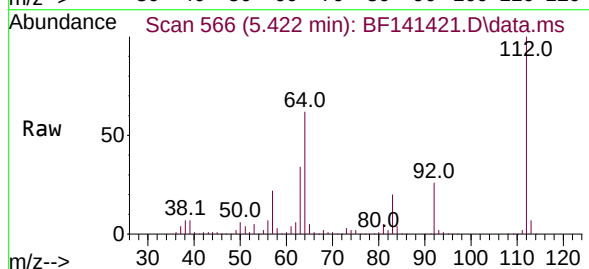
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

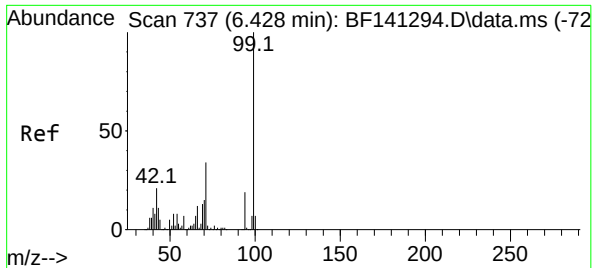
Tgt Ion:152 Resp: 74626
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 65.1 49.7 74.5



#5
2-Fluorophenol
Concen: 138.354 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

Tgt Ion:112 Resp: 672536
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 34.2 26.1 39.1

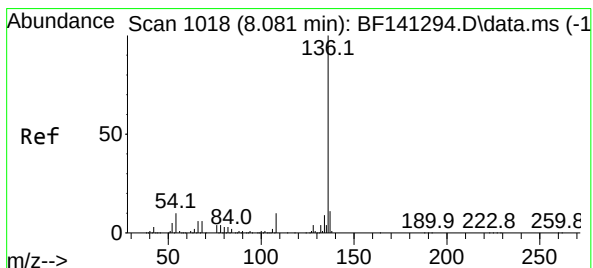
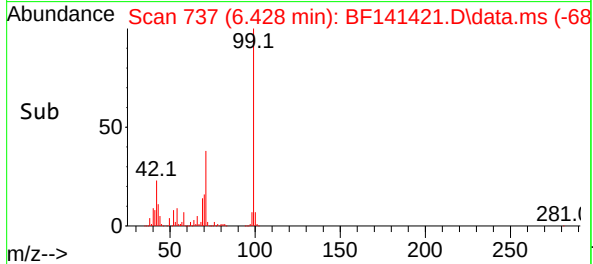
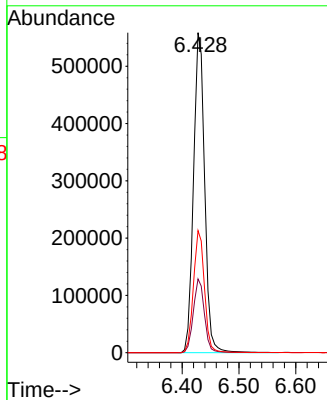
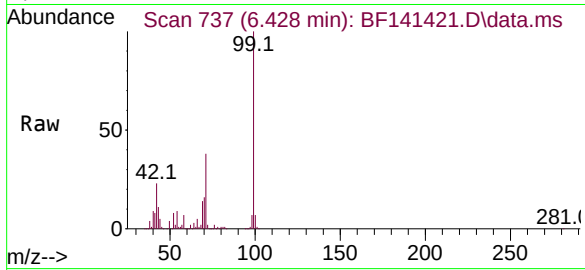




#7
Phenol-d6
Concen: 123.724 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

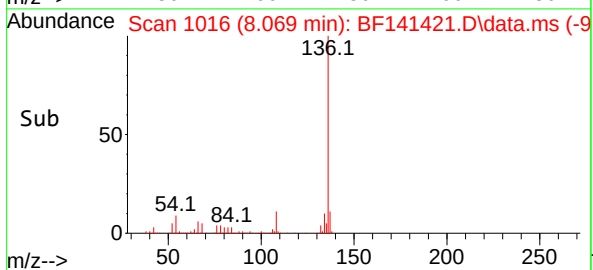
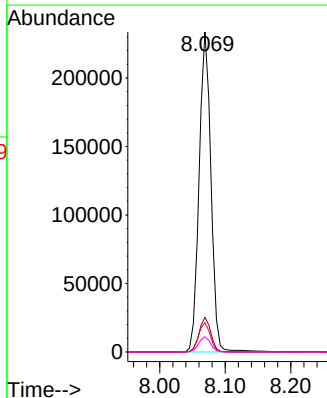
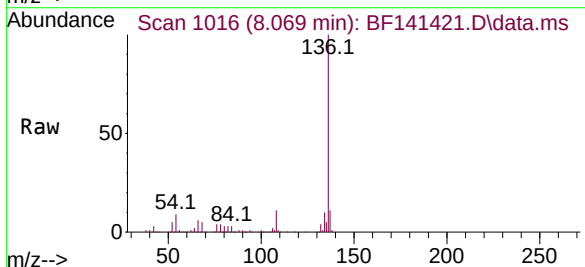
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

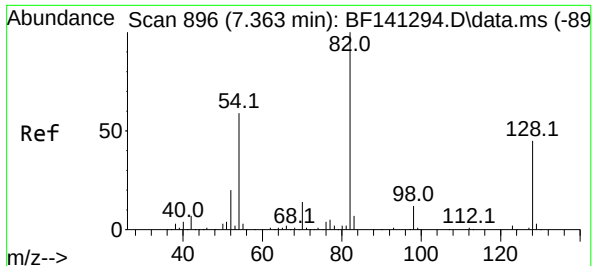
Tgt Ion: 99 Resp: 765083
Ion Ratio Lower Upper
99 100
42 23.1 17.1 25.7
71 38.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

Tgt Ion: 136 Resp: 293999
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 108.113 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141421.D

Acq: 04 Feb 2025 20:52

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

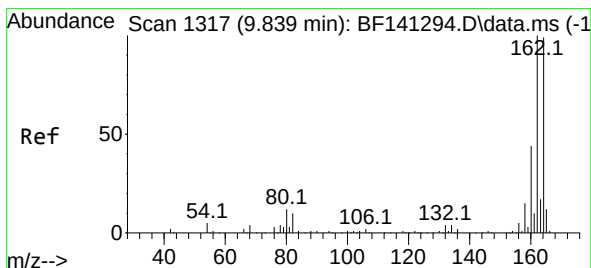
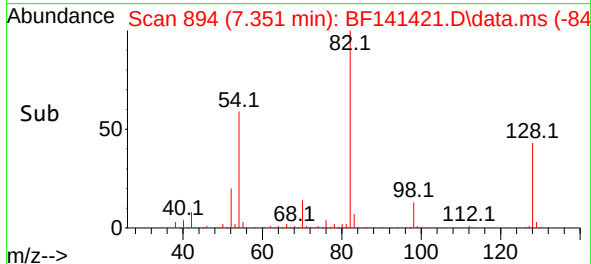
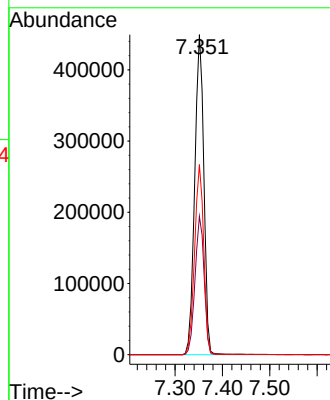
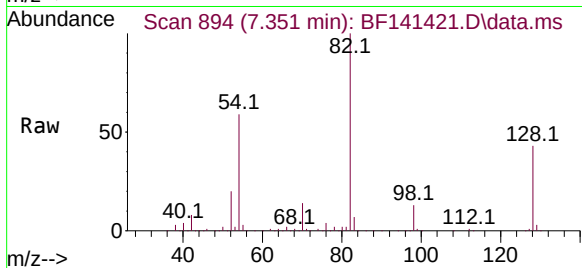
Tgt Ion: 82 Resp: 602942

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

54 59.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF141421.D

Acq: 04 Feb 2025 20:52

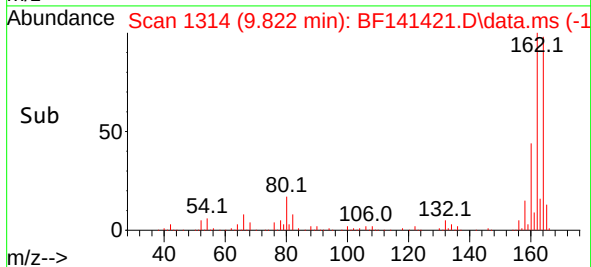
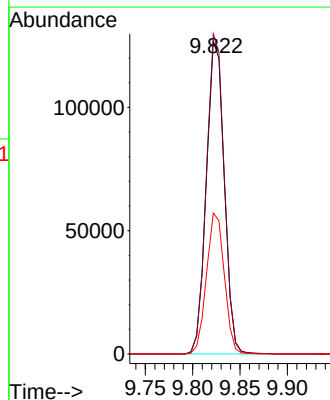
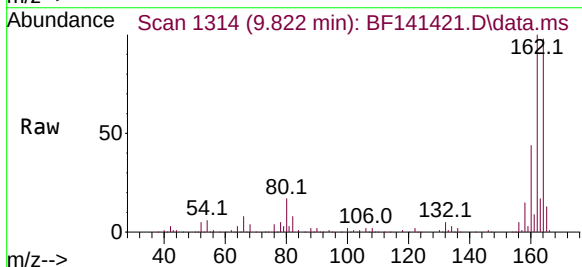
Tgt Ion:164 Resp: 165750

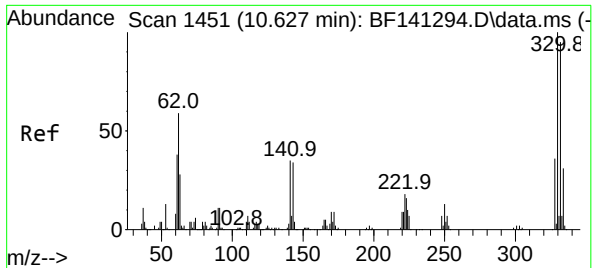
Ion Ratio Lower Upper

164 100

162 102.3 80.6 121.0

160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 176.563 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141421.D

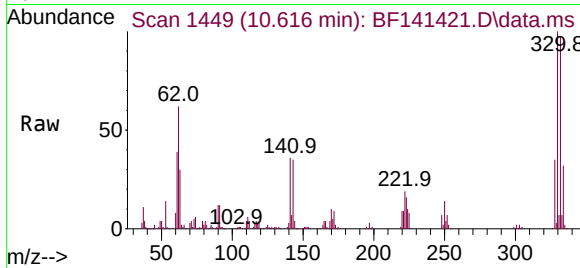
Acq: 04 Feb 2025 20:52

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825



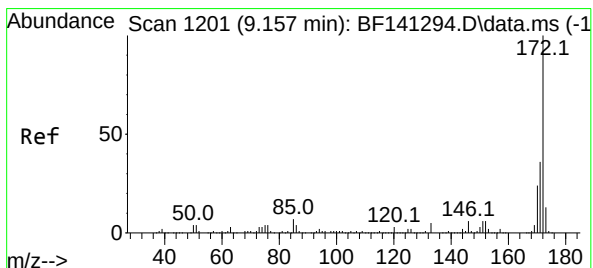
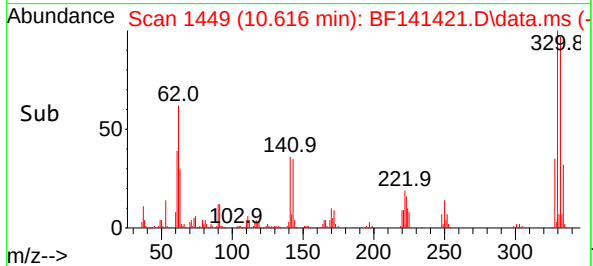
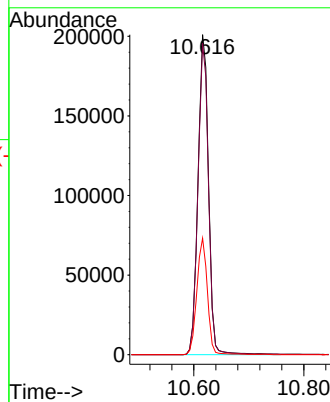
Tgt Ion:330 Resp: 268296

Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

141 36.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 104.149 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141421.D

Acq: 04 Feb 2025 20:52

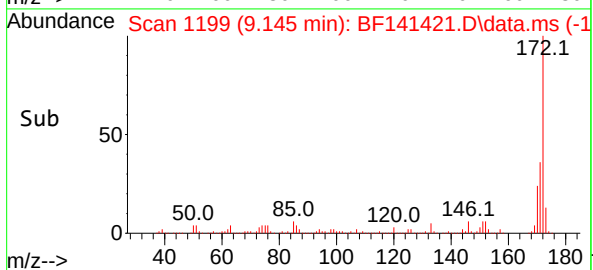
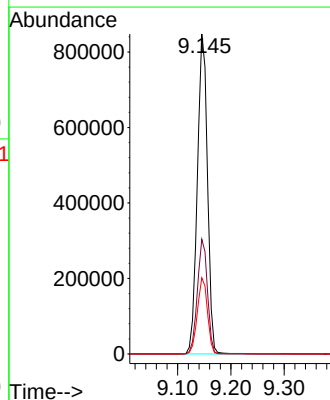
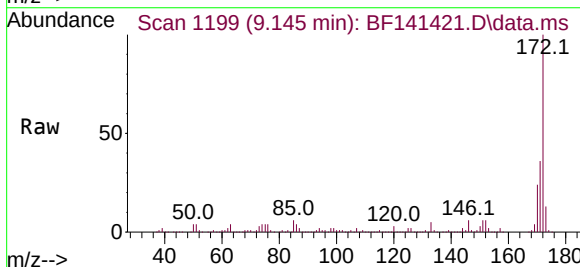
Tgt Ion:172 Resp: 1121549

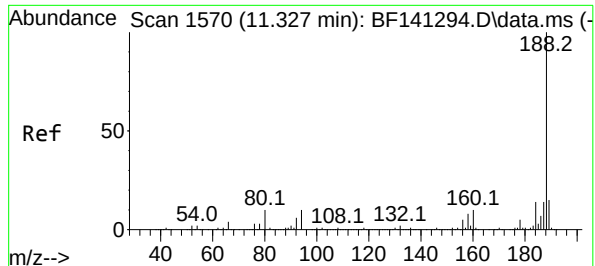
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.8 19.0 28.6

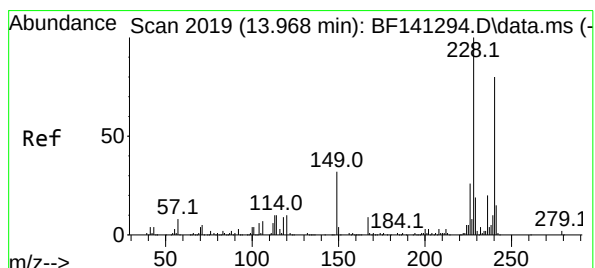
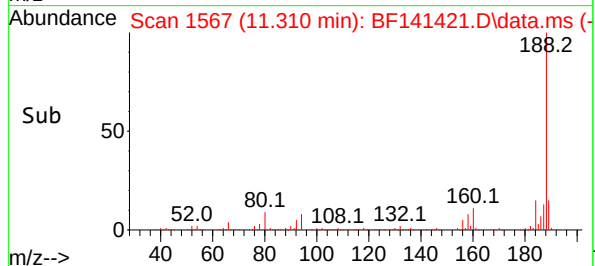
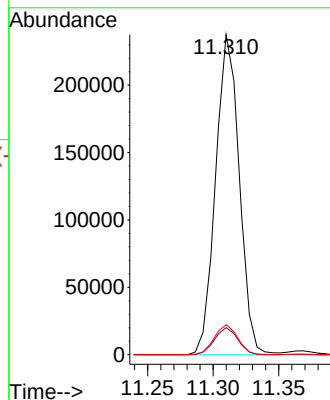
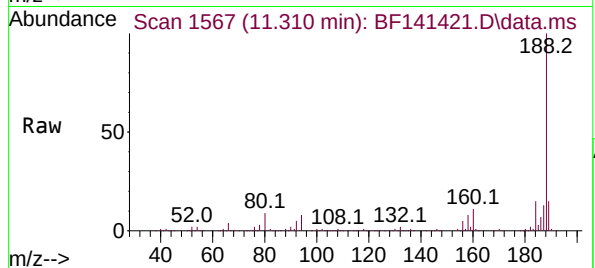




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

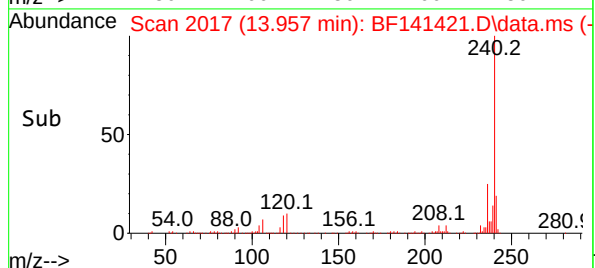
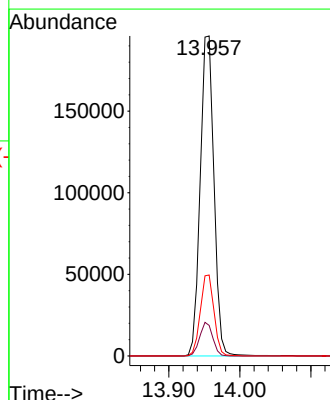
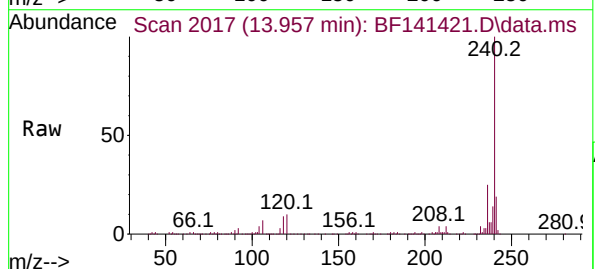
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

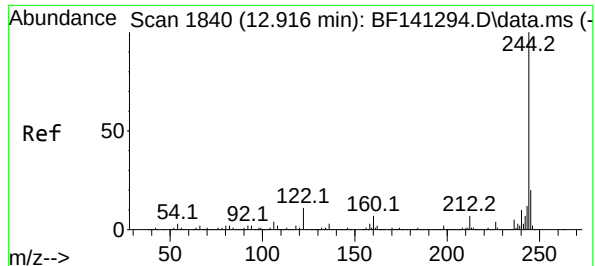
Tgt Ion:188 Resp: 297752
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.3 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141421.D
Acq: 04 Feb 2025 20:52

Tgt Ion:240 Resp: 264789
Ion Ratio Lower Upper
240 100
120 9.5 10.0 15.0#
236 25.3 19.7 29.5





#79

Terphenyl-d14

Concen: 86.029 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141421.D

Acq: 04 Feb 2025 20:52

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

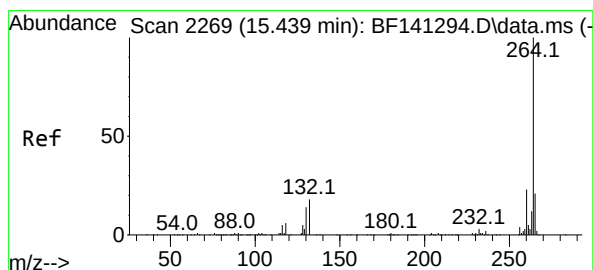
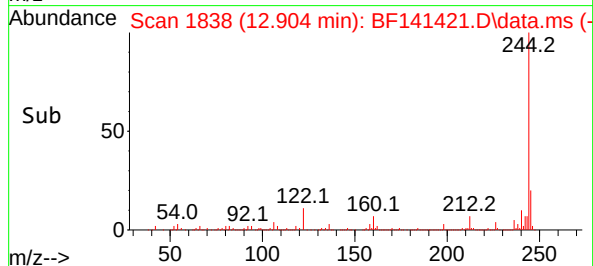
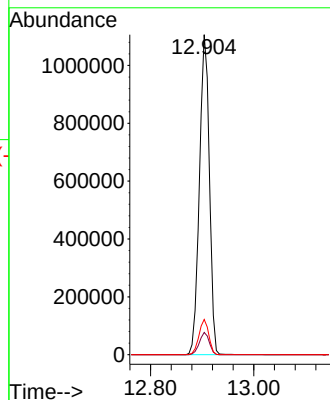
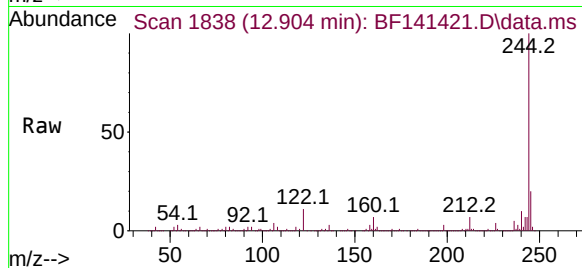
Tgt Ion:244 Resp: 1477098

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.0 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141421.D

Acq: 04 Feb 2025 20:52

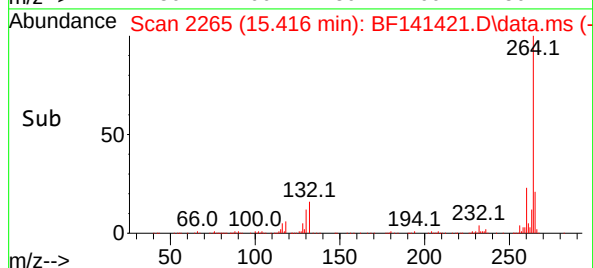
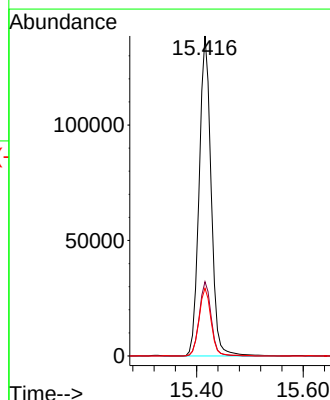
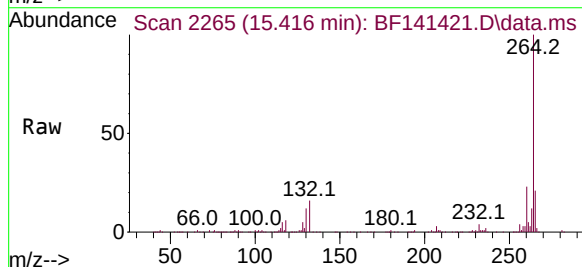
Tgt Ion:264 Resp: 216090

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.1 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141375.D	1	01/31/25 10:29	02/03/25 18:12	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	142		10 - 139	95%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.5		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	88.1		48 - 125	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	99400	6.793			
1146-65-2	Naphthalene-d8	410000	8.075			
15067-26-2	Acenaphthene-d10	226000	9.828			
1517-22-2	Phenanthrene-d10	389000	11.316			
1719-03-5	Chrysene-d12	283000	13.957			
1520-96-3	Perylene-d12	207000	15.41			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141375.D	1	01/31/25 10:29	02/03/25 18:12	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020325\
Data File : BF141375.D
Acq On : 03 Feb 2025 18:12
Operator : RC/JU
Sample : Q1216-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Quant Time: Feb 04 00:17:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	99448	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	410147	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	226351	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	389099	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	282756	20.000	ng	-0.02
86) Perylene-d12	15.410	264	207018	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	921985	142.329	ng	0.02
7) Phenol-d6	6.440	99	1118463	135.725	ng	0.00
23) Nitrobenzene-d5	7.357	82	766584	98.530	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	337083	162.440	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1394431	94.822	ng	-0.01
79) Terphenyl-d14	12.904	244	1614714	88.068	ng	-0.01

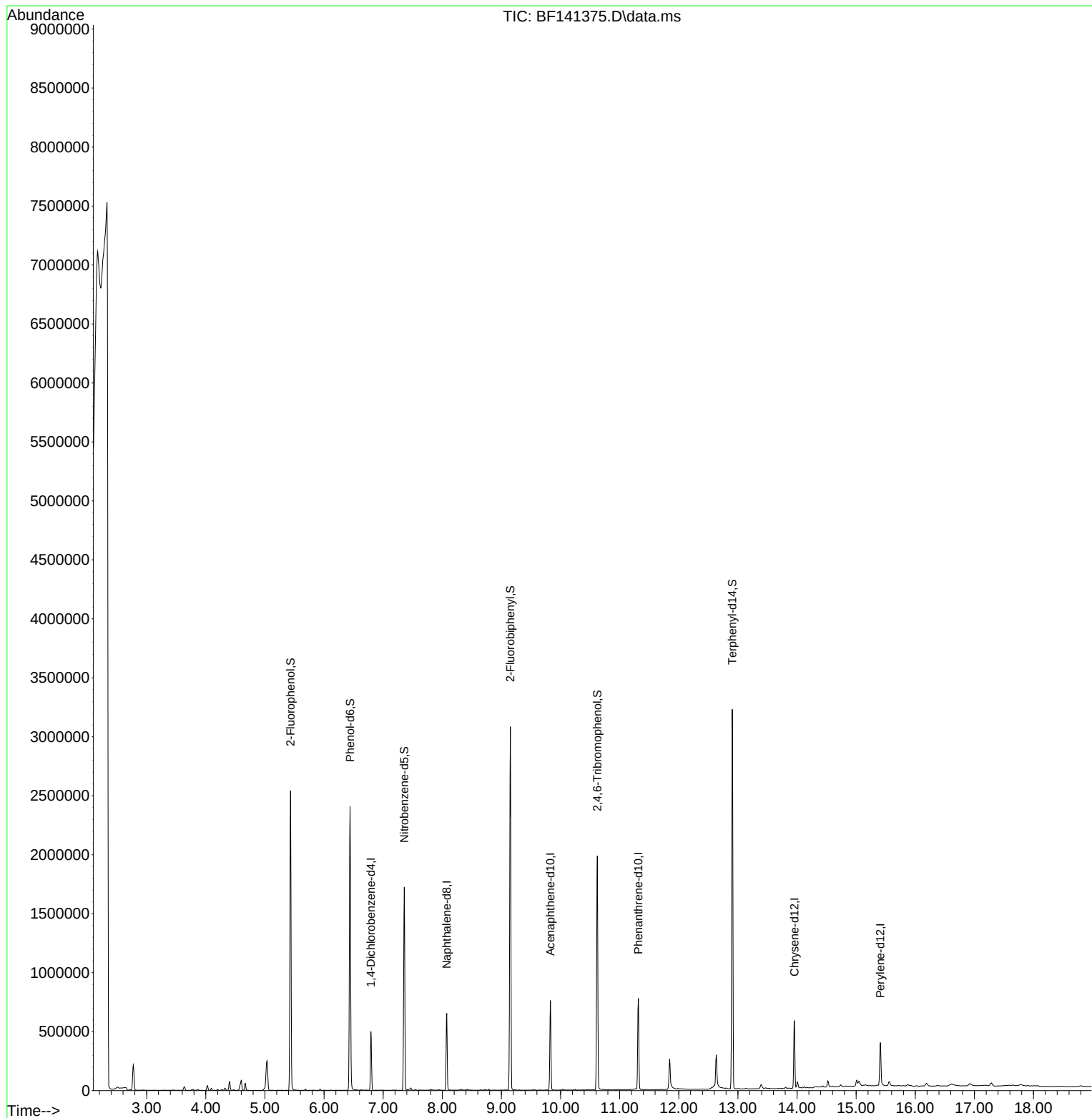
Target Compounds	Qvalue

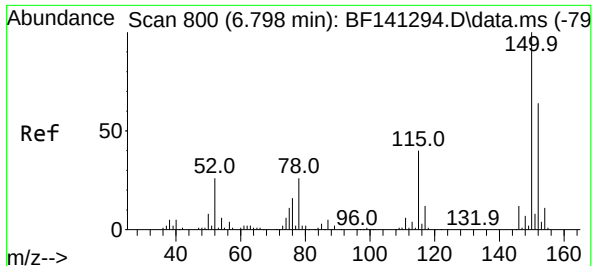
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141375.D
Acq On : 03 Feb 2025 18:12
Operator : RC/JU
Sample : Q1216-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Quant Time: Feb 04 00:17:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

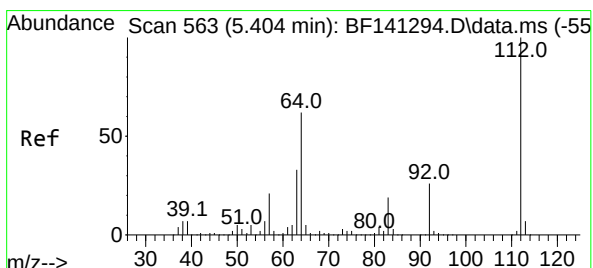
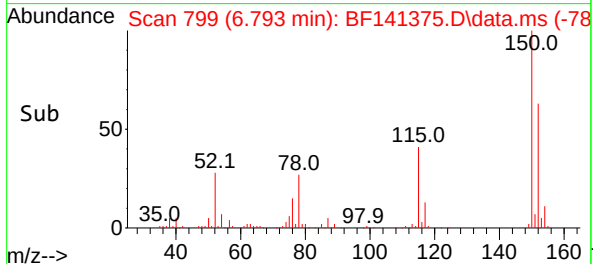
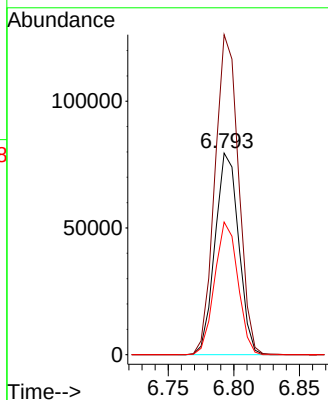
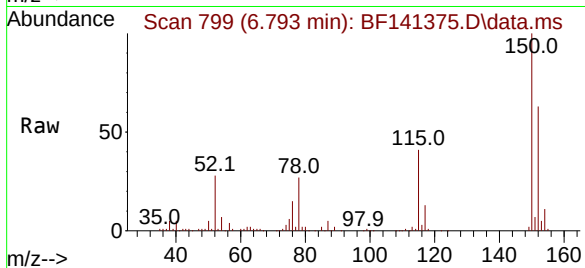




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141375.D
Acq: 03 Feb 2025 18:12

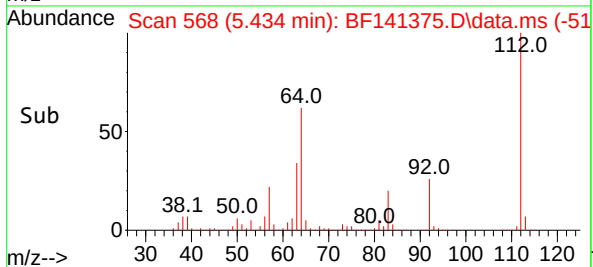
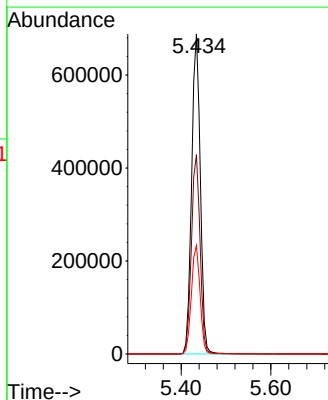
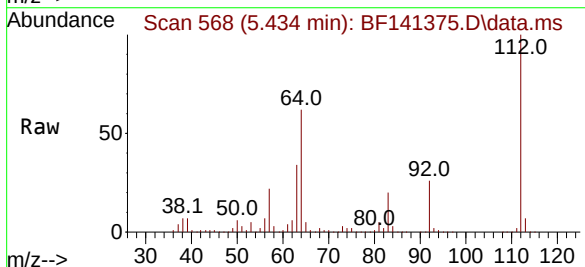
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

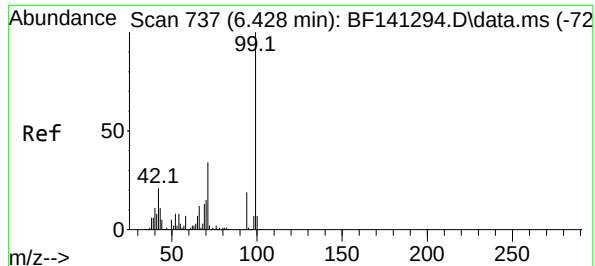
Tgt Ion:152 Resp: 99448
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 65.8 49.7 74.5



#5
2-Fluorophenol
Concen: 142.329 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.024 min
Lab File: BF141375.D
Acq: 03 Feb 2025 18:12

Tgt Ion:112 Resp: 921985
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.9 26.1 39.1





#7

Phenol-d6

Concen: 135.725 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

Instrument :

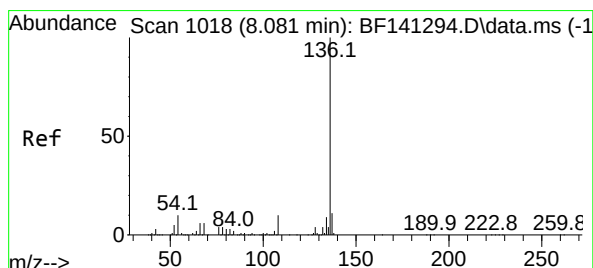
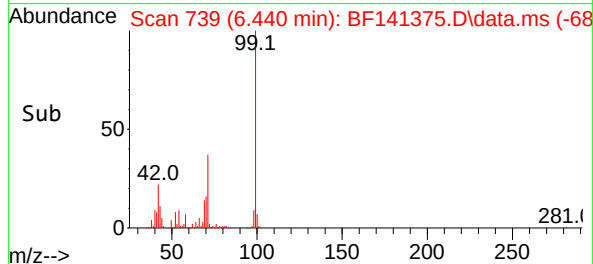
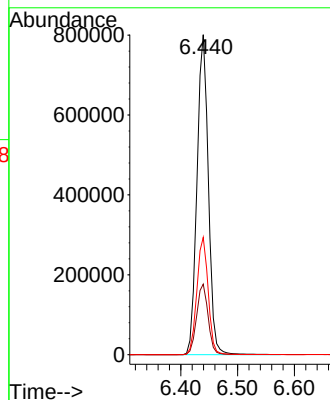
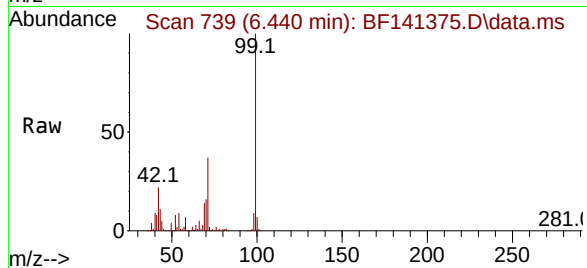
BNA_F

ClientSampleId :

JPP-21.2-012825

Tgt Ion: 99 Resp: 1118463

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.1	25.7
71	36.6	26.9	40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

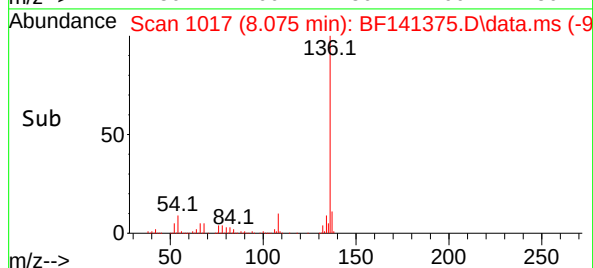
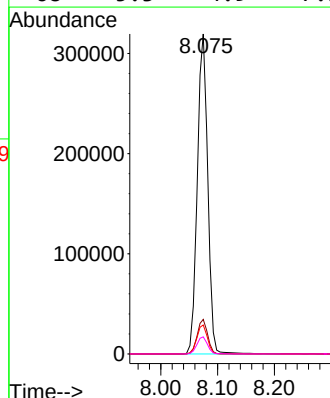
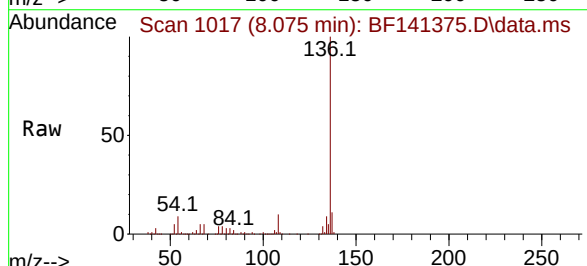
Delta R.T. -0.012 min

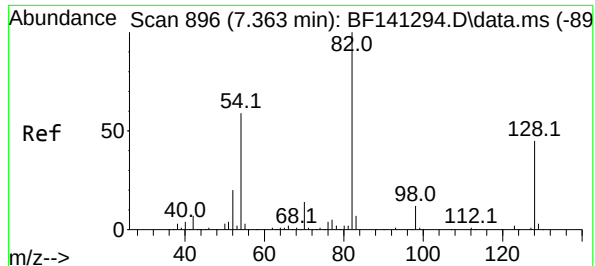
Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

Tgt Ion: 136 Resp: 410147

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.0	7.8	11.8
68	5.3	4.9	7.3





#23

Nitrobenzene-d5

Concen: 98.530 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

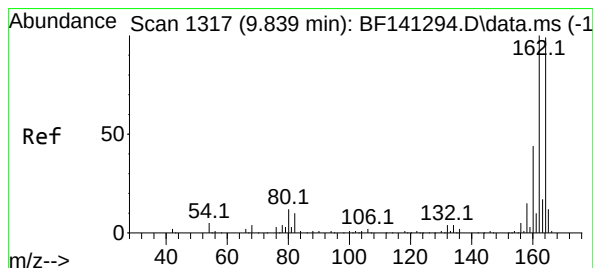
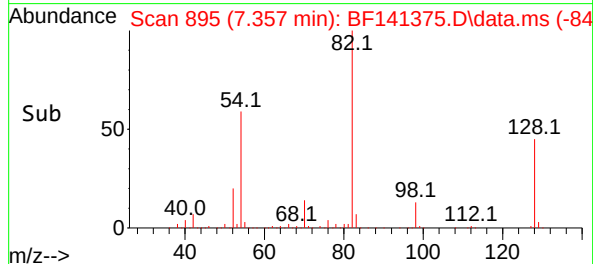
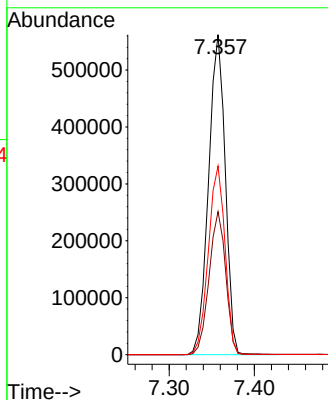
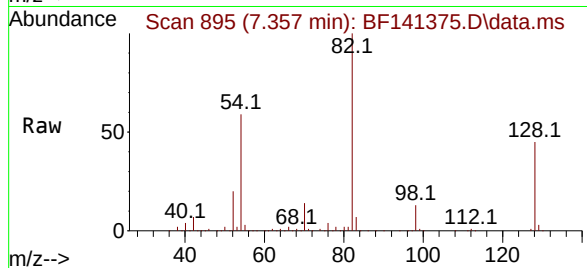
Tgt Ion: 82 Resp: 766584

Ion Ratio Lower Upper

82 100

128 44.7 35.7 53.5

54 59.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

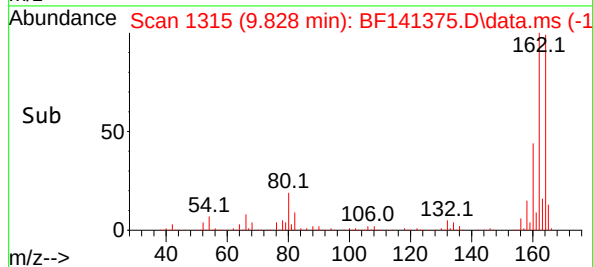
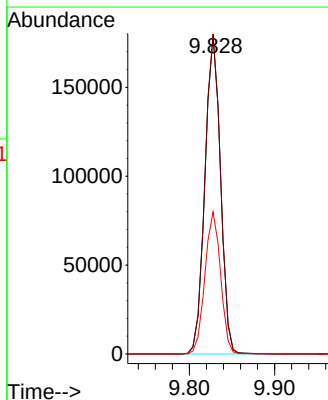
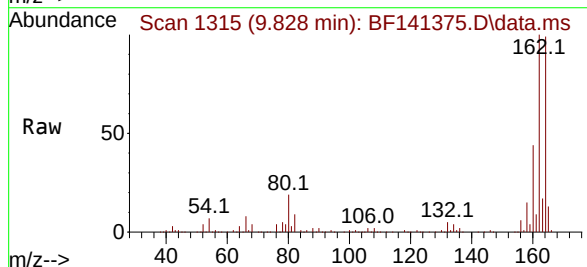
Tgt Ion: 164 Resp: 226351

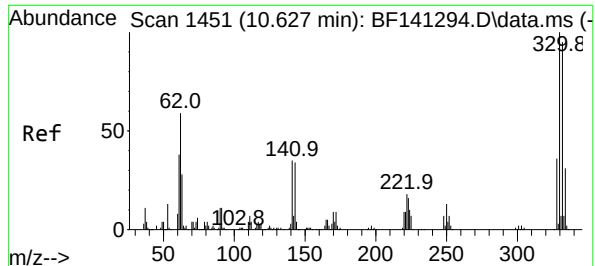
Ion Ratio Lower Upper

164 100

162 100.5 80.6 121.0

160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 162.440 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141375.D

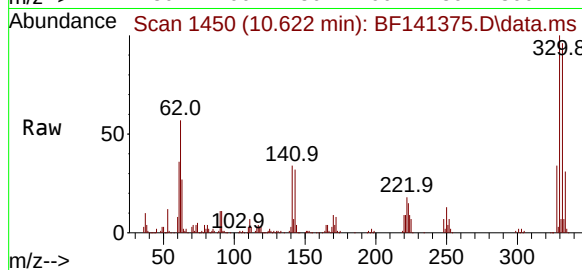
Acq: 03 Feb 2025 18:12

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825



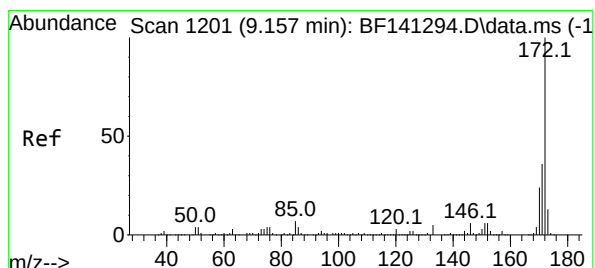
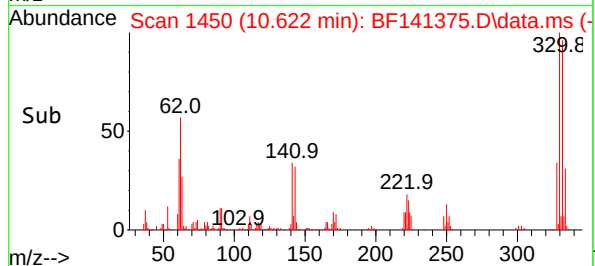
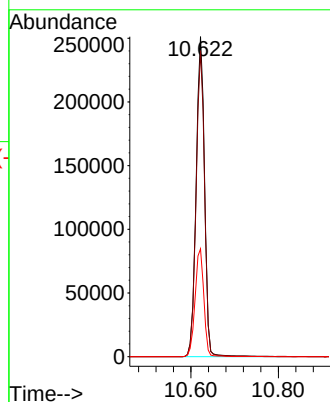
Tgt Ion:330 Resp: 337083

Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

141 35.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 94.822 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

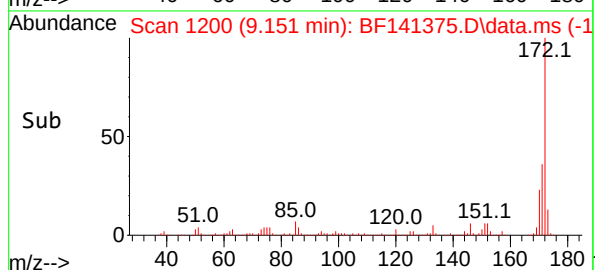
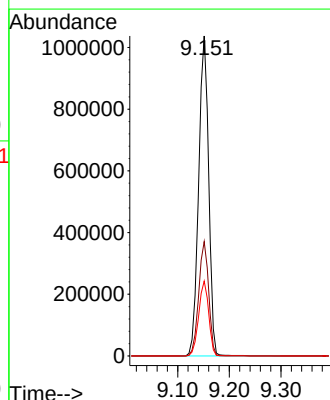
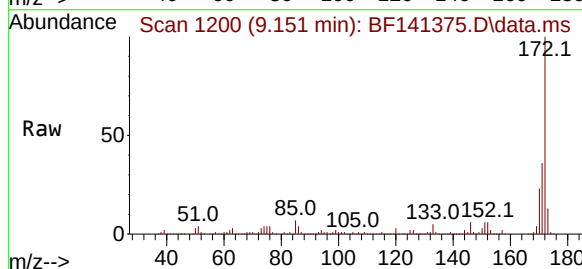
Tgt Ion:172 Resp: 1394431

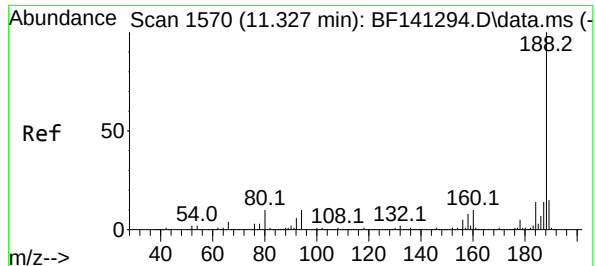
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

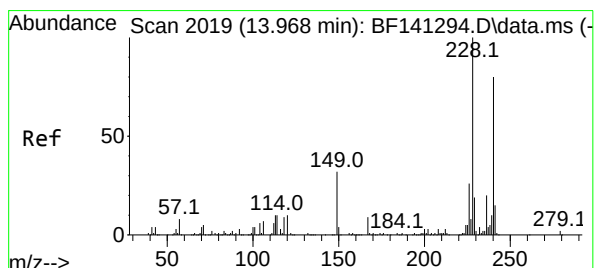
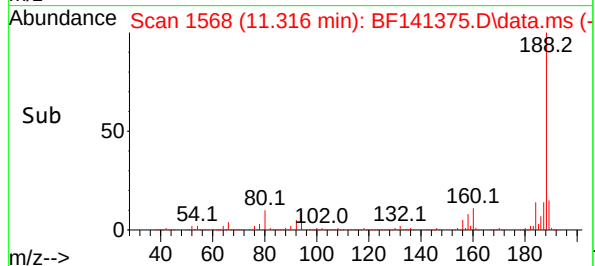
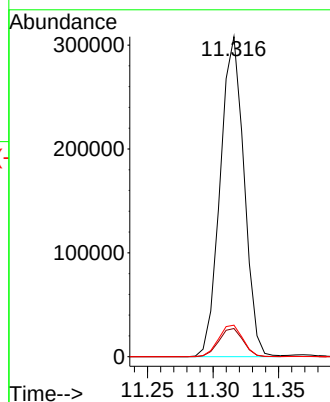
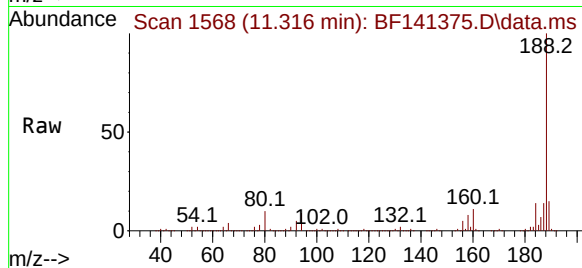
Tgt Ion:188 Resp: 389099

Ion Ratio Lower Upper

188 100

94 8.8 7.8 11.6

80 9.8 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

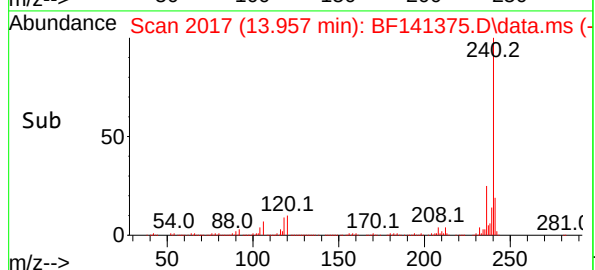
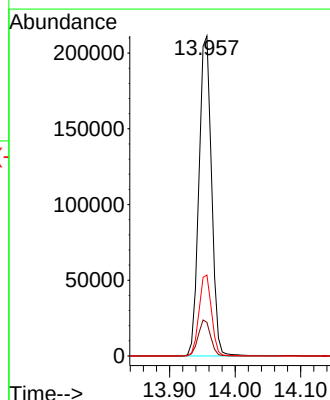
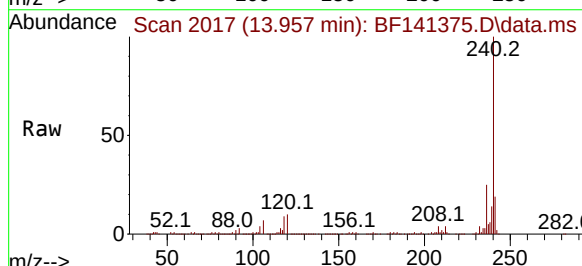
Tgt Ion:240 Resp: 282756

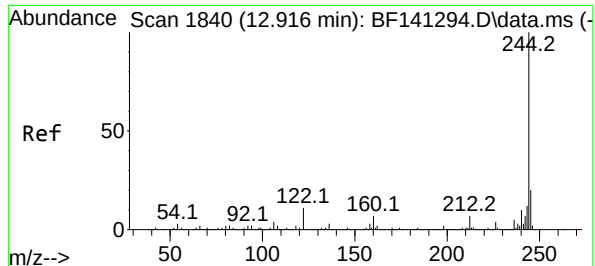
Ion Ratio Lower Upper

240 100

120 10.5 10.0 15.0

236 25.3 19.7 29.5





#79

Terphenyl-d14

Concen: 88.068 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

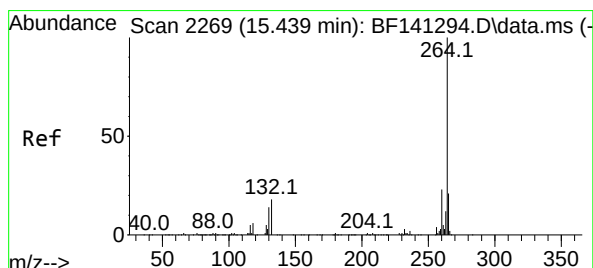
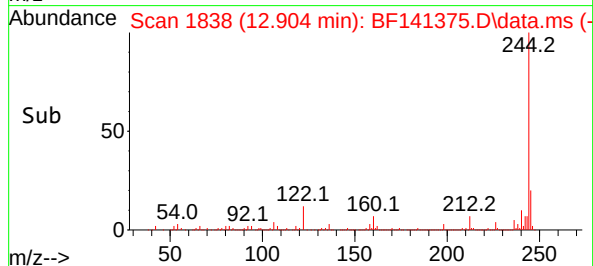
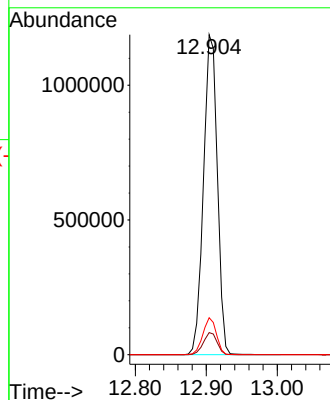
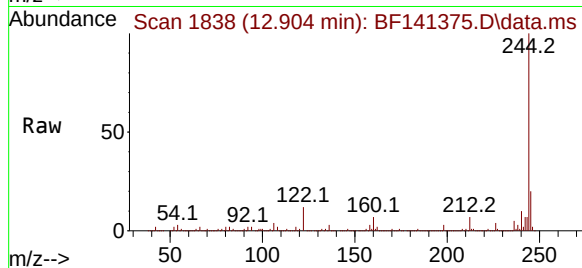
Tgt Ion:244 Resp: 1614714

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.6 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.029 min

Lab File: BF141375.D

Acq: 03 Feb 2025 18:12

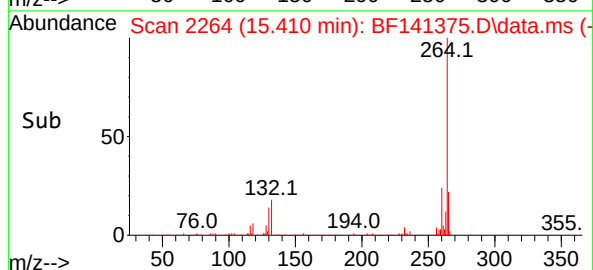
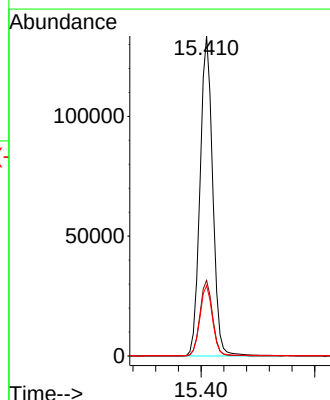
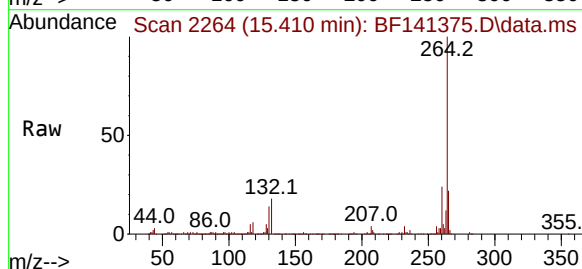
Tgt Ion:264 Resp: 207018

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.9 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-16	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141376.D	1	01/31/25 10:29	02/03/25 18:38	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		10 - 139	98%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		49 - 133	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170		44 - 137	113%	SPK: 150
1718-51-0	Terphenyl-d14	95.0		48 - 125	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83900	6.792			
1146-65-2	Naphthalene-d8	324000	8.075			
15067-26-2	Acenaphthene-d10	177000	9.828			
1517-22-2	Phenanthrene-d10	304000	11.316			
1719-03-5	Chrysene-d12	223000	13.957			
1520-96-3	Perylene-d12	155000	15.415			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-16	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141376.D	1	01/31/25 10:29	02/03/25 18:38	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020325\
Data File : BF141376.D
Acq On : 03 Feb 2025 18:38
Operator : RC/JU
Sample : Q1216-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Time: Feb 04 00:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	83924	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	324478	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	176814	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	304079	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	223365	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	155322	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	803592	146.999	ng	0.02
7) Phenol-d6	6.439	99	939271	135.064	ng	0.00
23) Nitrobenzene-d5	7.357	82	641330	104.194	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	275411	169.904	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1188809	103.487	ng	-0.01
79) Terphenyl-d14	12.910	244	1376430	95.033	ng	0.00

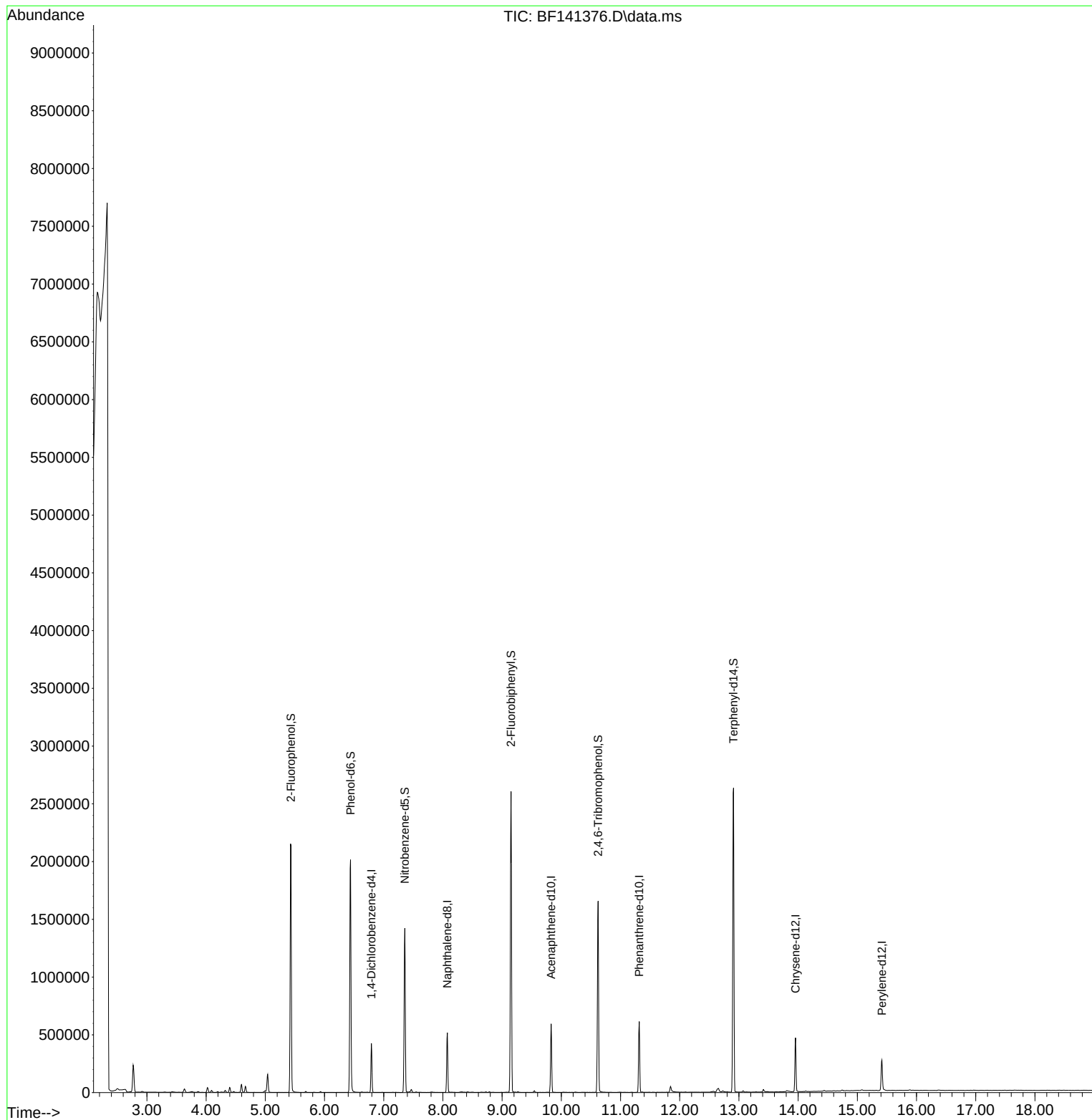
Target Compounds	Qvalue
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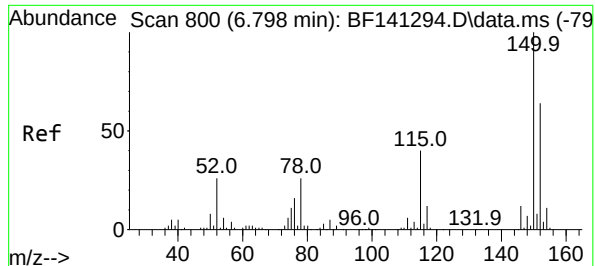
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141376.D
Acq On : 03 Feb 2025 18:38
Operator : RC/JU
Sample : Q1216-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Time: Feb 04 00:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

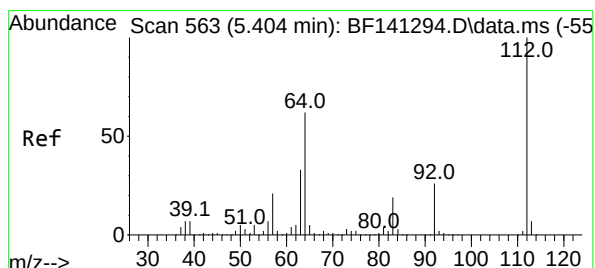
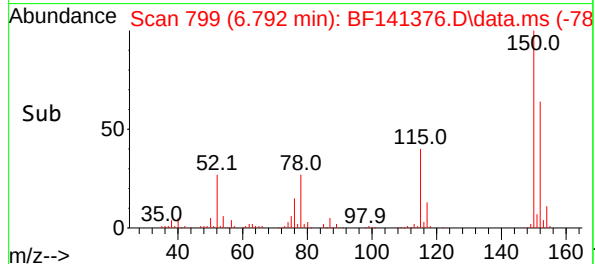
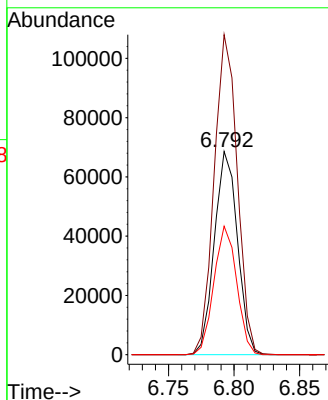
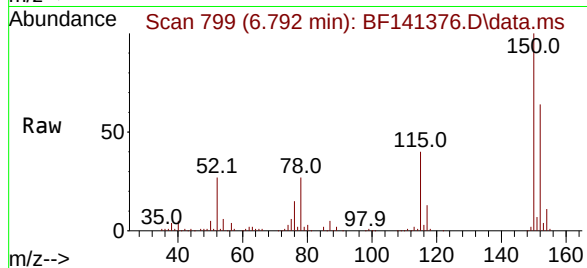




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141376.D
Acq: 03 Feb 2025 18:38

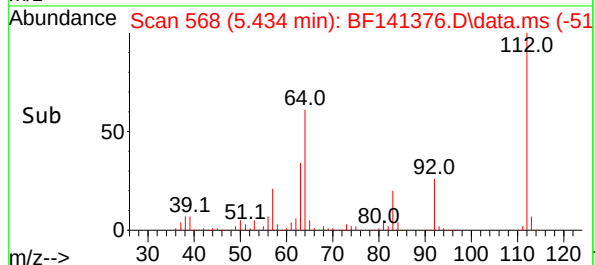
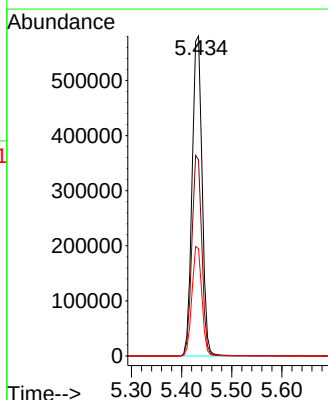
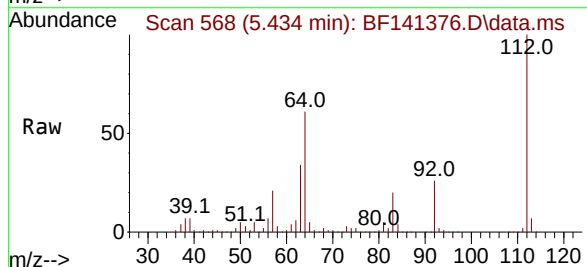
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

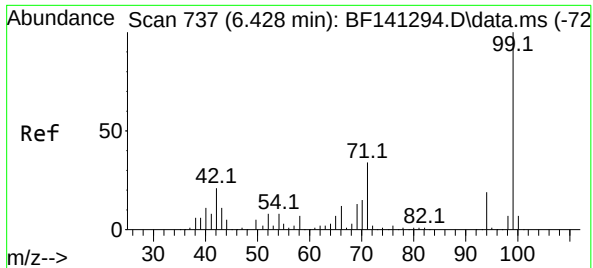
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	63.2	49.7	74.5



#5
2-Fluorophenol
Concen: 146.999 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF141376.D
Acq: 03 Feb 2025 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.8	74.8
63	33.5	26.1	39.1

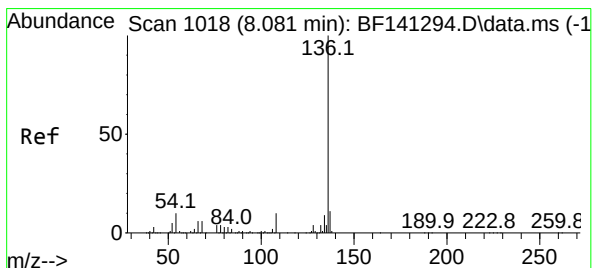
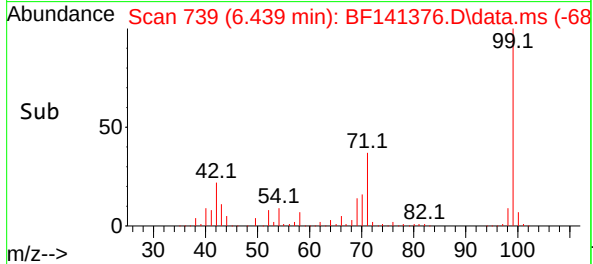
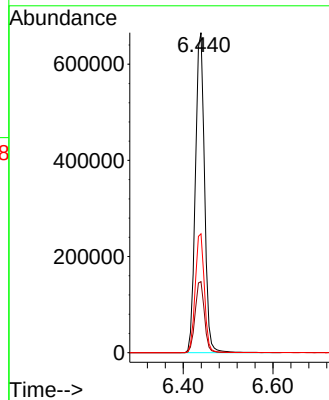
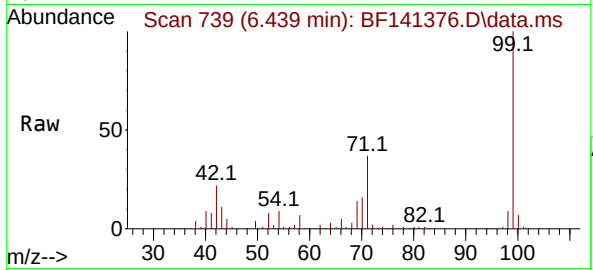




#7
Phenol-d6
Concen: 135.064 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141376.D
Acq: 03 Feb 2025 18:38

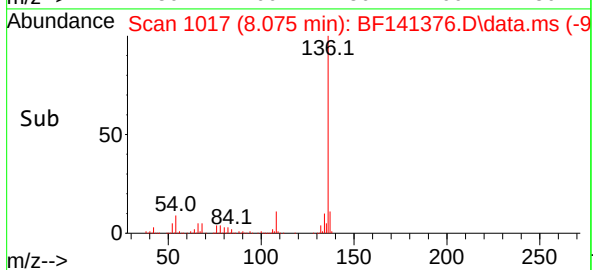
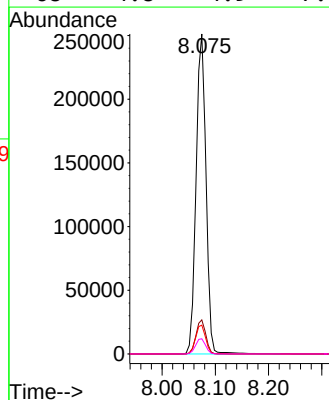
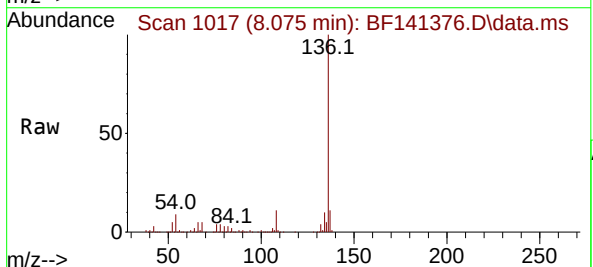
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

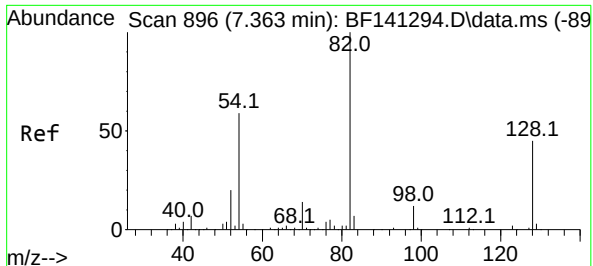
Tgt Ion: 99 Resp: 939271
Ion Ratio Lower Upper
99 100
42 22.2 17.1 25.7
71 37.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141376.D
Acq: 03 Feb 2025 18:38

Tgt Ion: 136 Resp: 324478
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.0 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 104.194 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

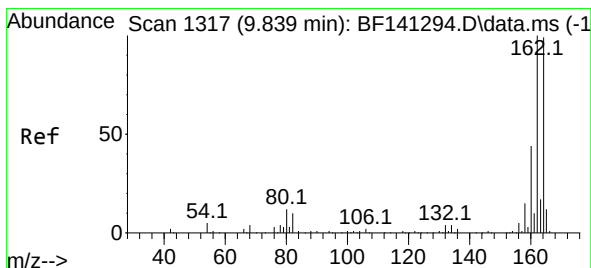
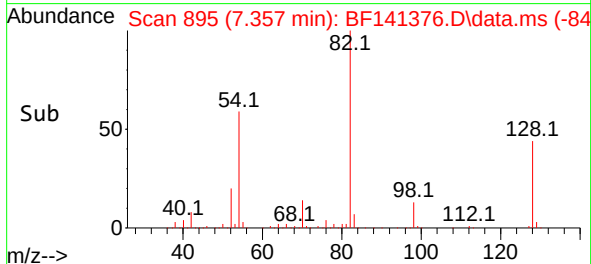
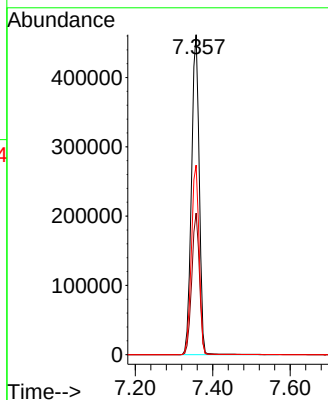
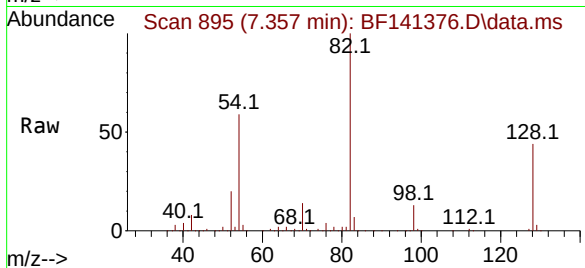
Tgt Ion: 82 Resp: 641330

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

54 59.3 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

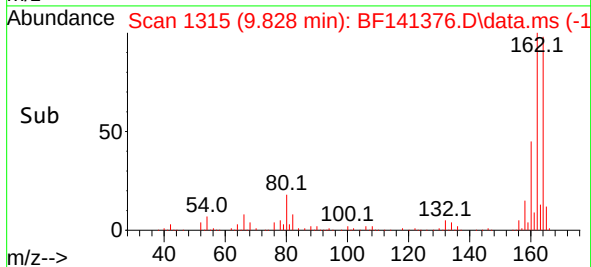
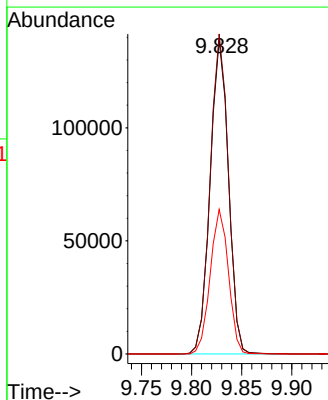
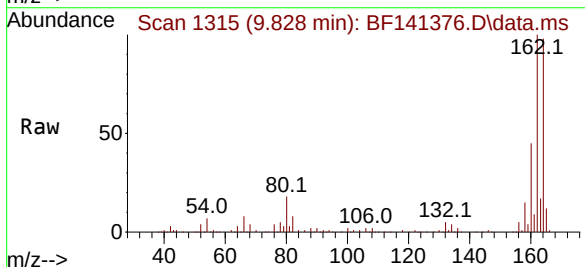
Tgt Ion:164 Resp: 176814

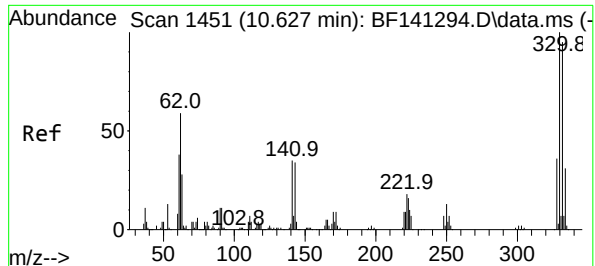
Ion Ratio Lower Upper

164 100

162 101.9 80.6 121.0

160 46.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 169.904 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141376.D

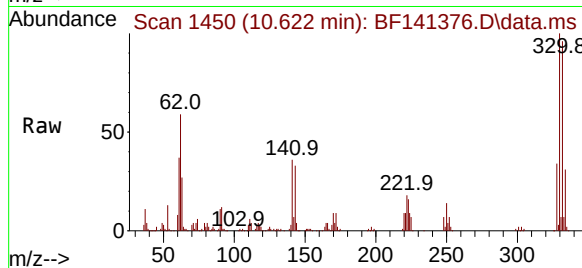
Acq: 03 Feb 2025 18:38

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825



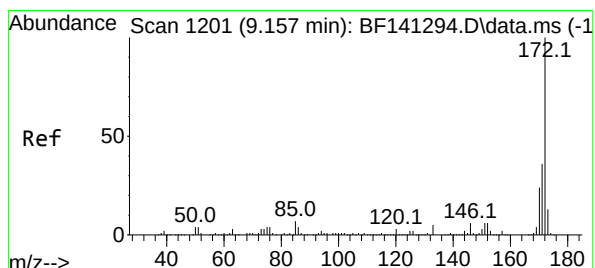
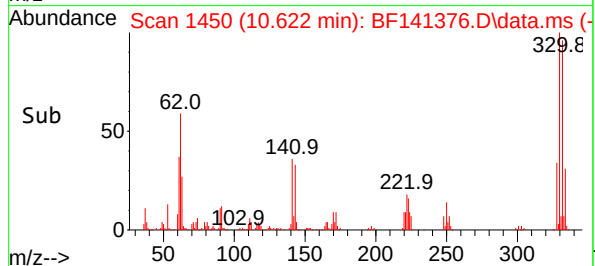
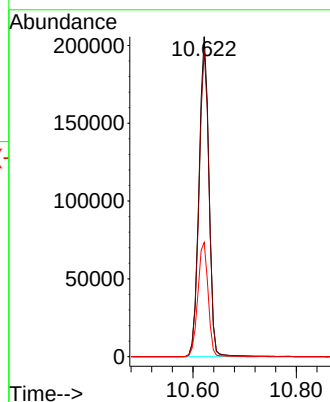
Tgt Ion:330 Resp: 275411

Ion Ratio Lower Upper

330 100

332 95.9 76.1 114.1

141 36.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 103.487 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

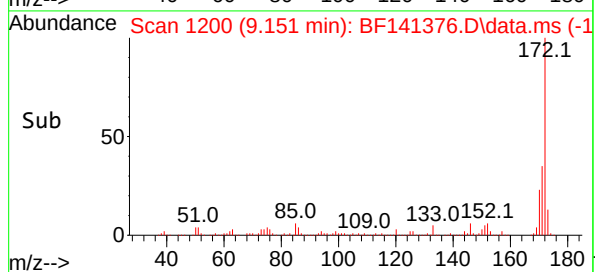
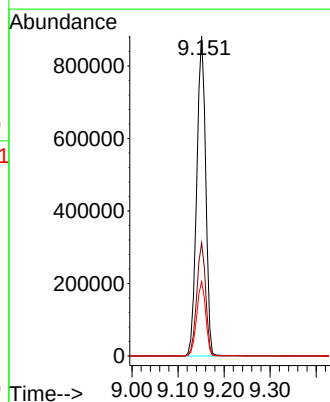
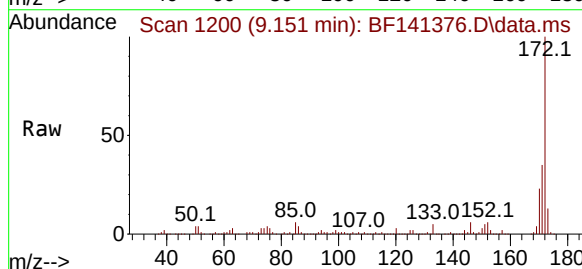
Tgt Ion:172 Resp: 1188809

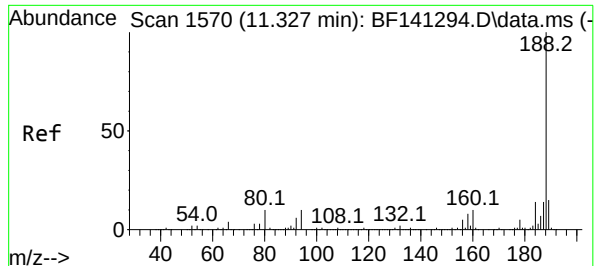
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.3 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

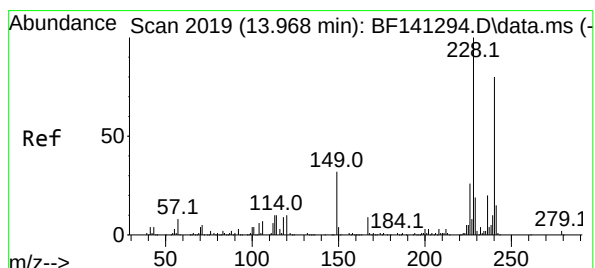
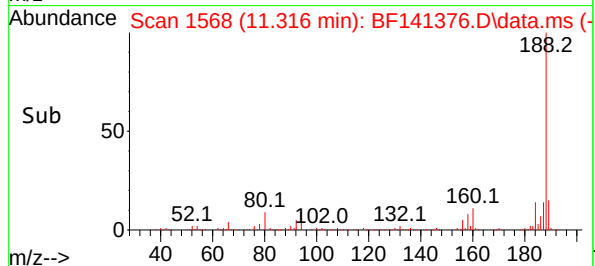
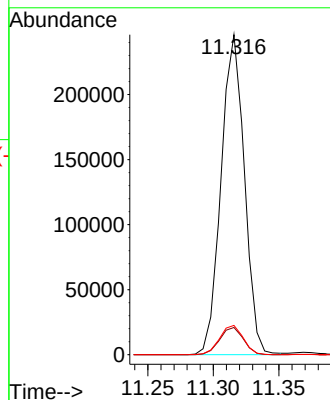
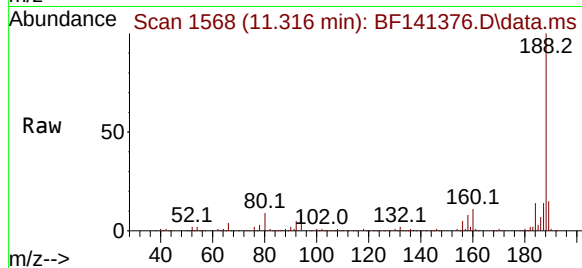
Tgt Ion:188 Resp: 304079

Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 9.1 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

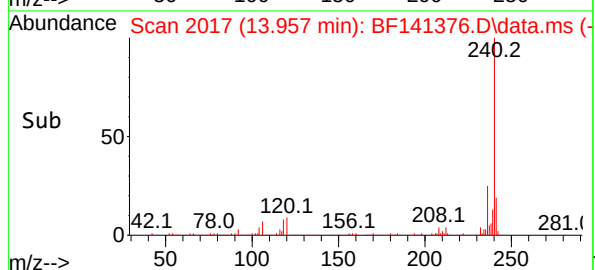
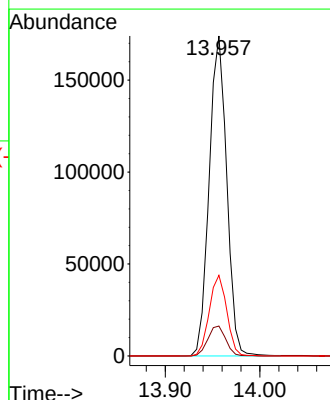
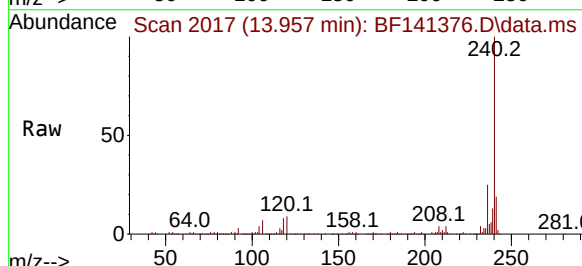
Tgt Ion:240 Resp: 223365

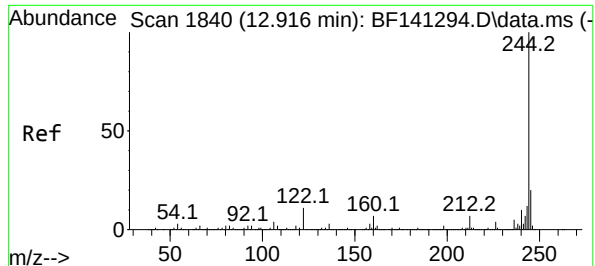
Ion Ratio Lower Upper

240 100

120 9.3 10.0 15.0#

236 25.2 19.7 29.5





#79

Terphenyl-d14

Concen: 95.033 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

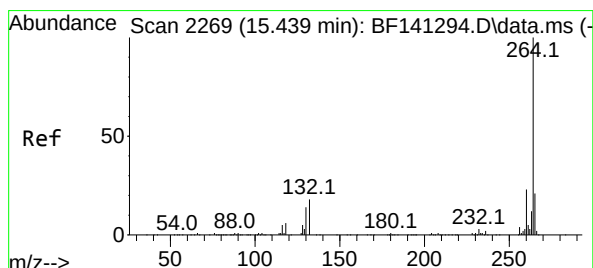
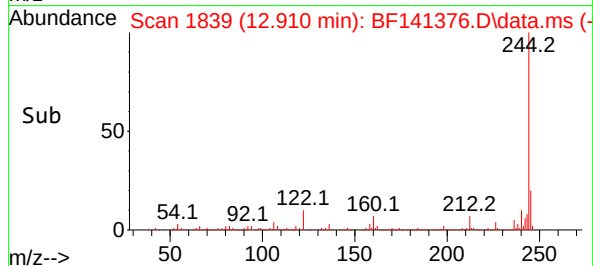
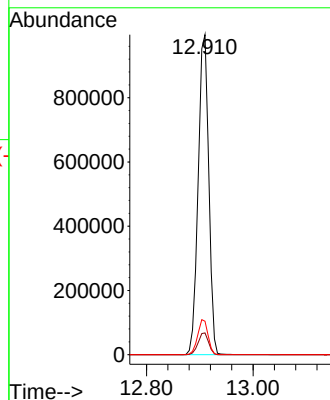
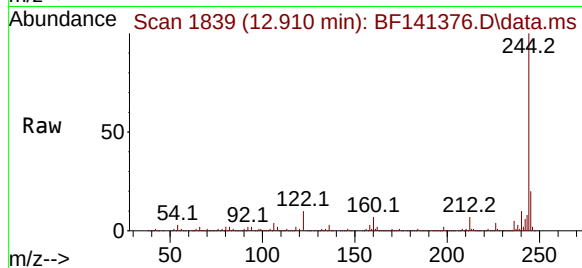
Tgt Ion:244 Resp: 1376430

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.5 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141376.D

Acq: 03 Feb 2025 18:38

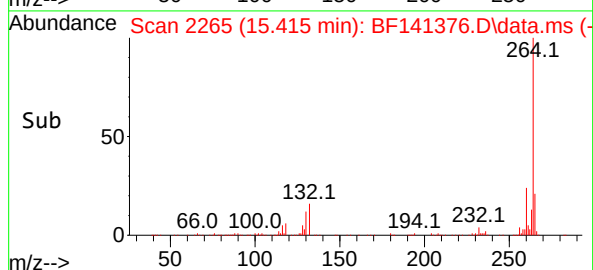
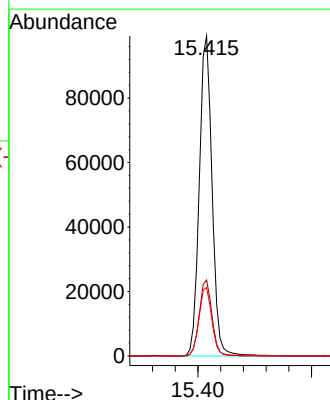
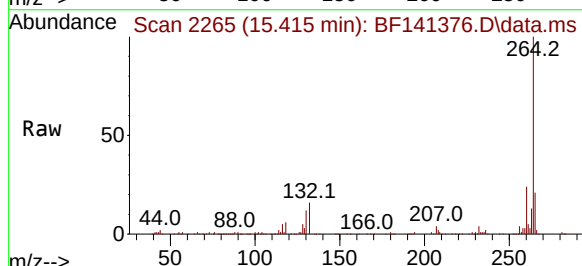
Tgt Ion:264 Resp: 155322

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.4 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-20	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141377.D	1	01/31/25 10:29	02/03/25 19:04	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		49 - 133	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.3		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	96.2		48 - 125	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	107000	6.793			
1146-65-2	Naphthalene-d8	440000	8.075			
15067-26-2	Acenaphthene-d10	236000	9.828			
1517-22-2	Phenanthrene-d10	317000	11.316			
1719-03-5	Chrysene-d12	221000	13.957			
1520-96-3	Perylene-d12	156000	15.41			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-20	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141377.D	1	01/31/25 10:29	02/03/25 19:04	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020325\
Data File : BF141377.D
Acq On : 03 Feb 2025 19:04
Operator : RC/JU
Sample : Q1216-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

Quant Time: Feb 04 00:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	107263	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	439549	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	235703	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	317470	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	220783	20.000	ng	-0.02
86) Perylene-d12	15.410	264	155960	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	952789	136.368	ng	0.02
7) Phenol-d6	6.440	99	1133060	127.479	ng	0.00
23) Nitrobenzene-d5	7.357	82	847357	101.626	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	294457	136.269	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1459350	95.299	ng	-0.01
79) Terphenyl-d14	12.910	244	1377262	96.203	ng	0.00

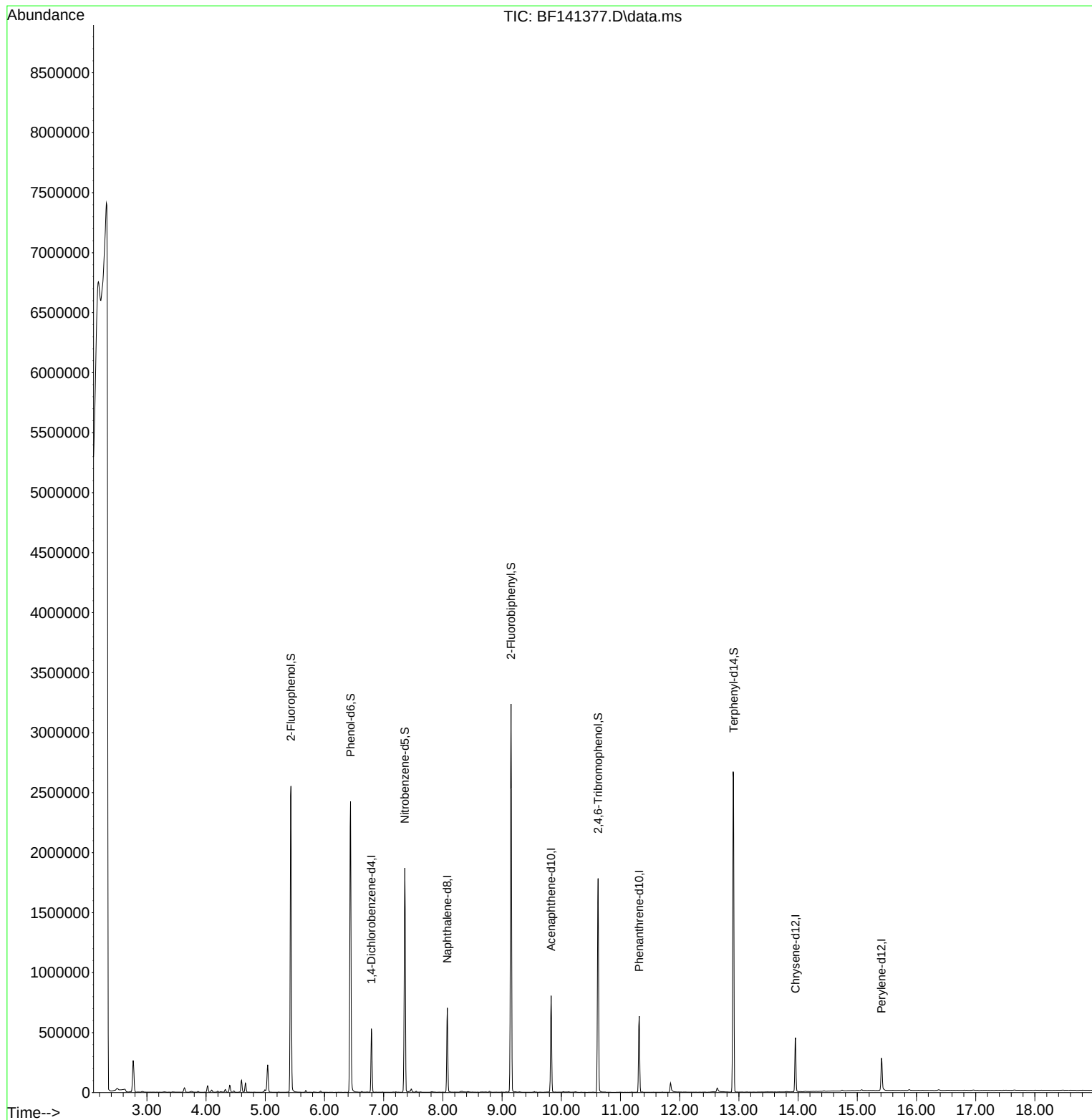
Target Compounds	Qvalue
-----	-----

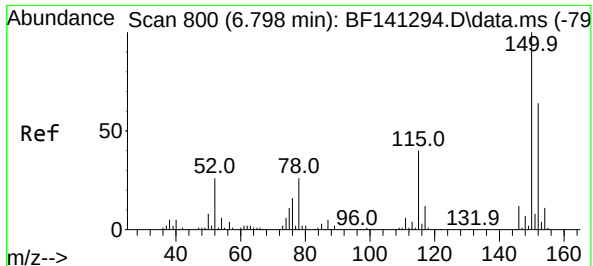
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141377.D
Acq On : 03 Feb 2025 19:04
Operator : RC/JU
Sample : Q1216-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

Quant Time: Feb 04 00:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

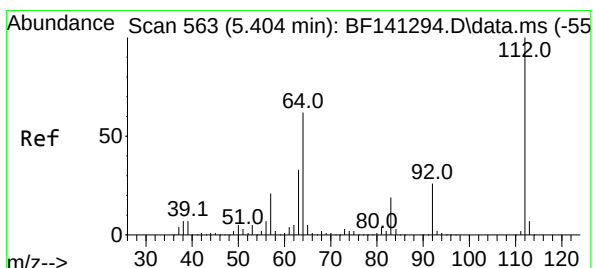
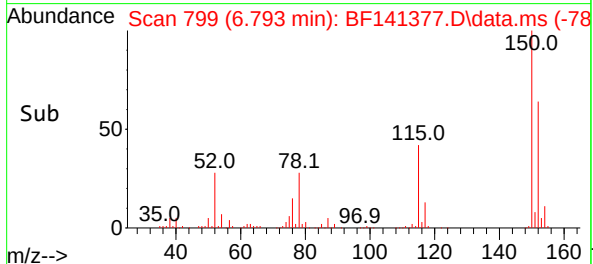
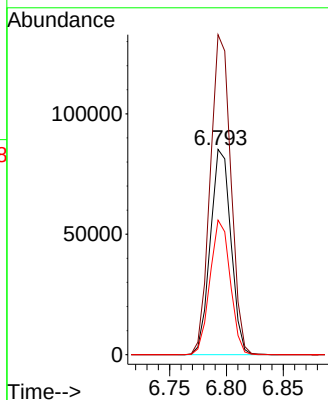
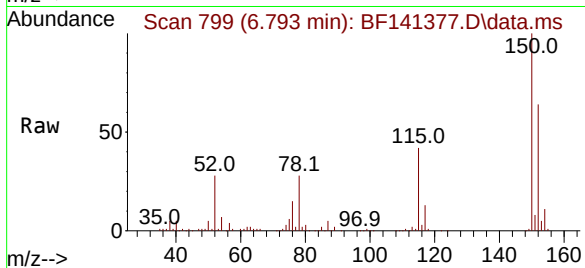




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

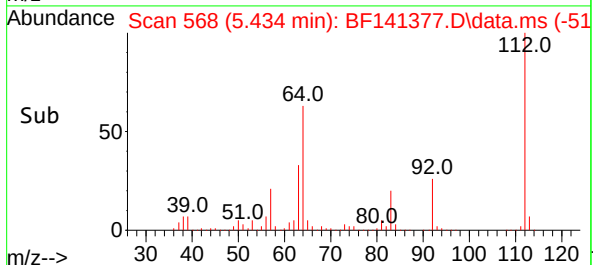
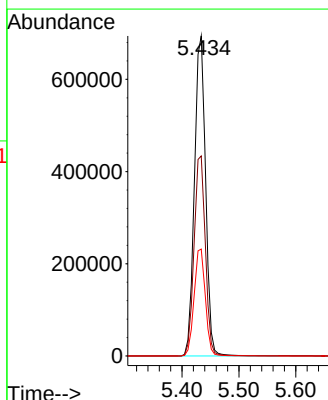
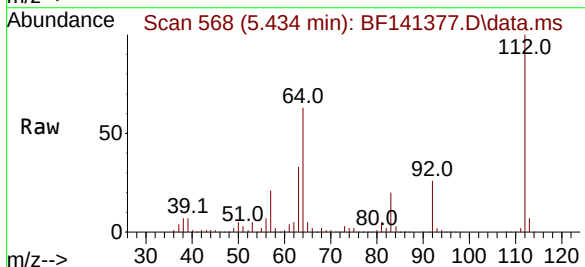
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

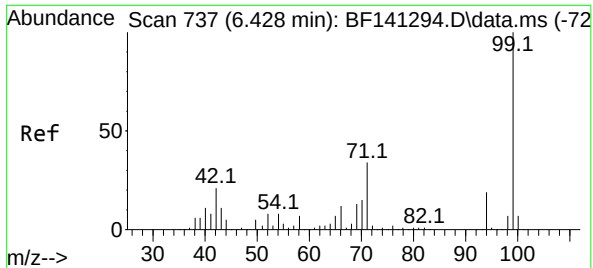
Tgt Ion:152 Resp: 107263
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 65.6 49.7 74.5



#5
2-Fluorophenol
Concen: 136.368 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

Tgt Ion:112 Resp: 952789
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 33.4 26.1 39.1

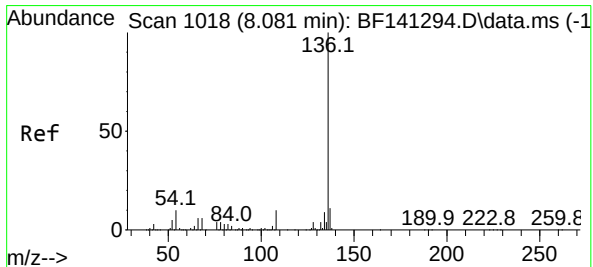
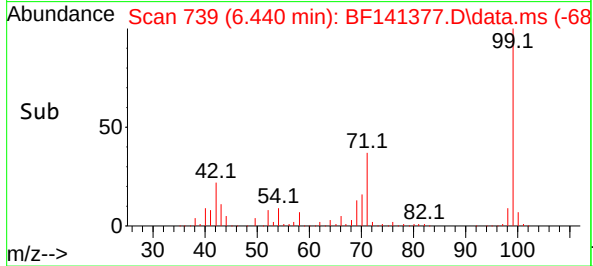
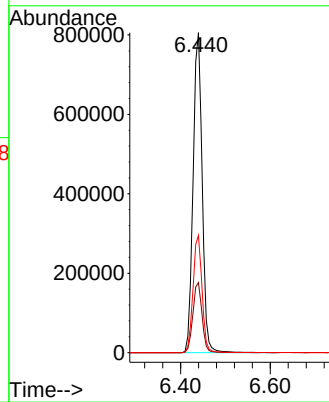
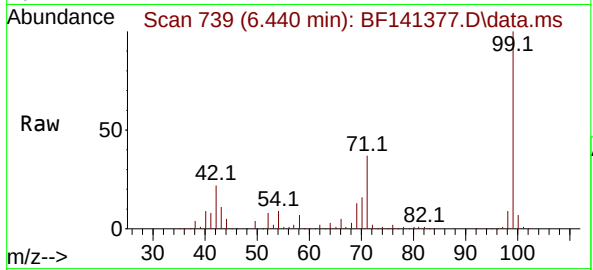




#7
Phenol-d6
Concen: 127.479 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

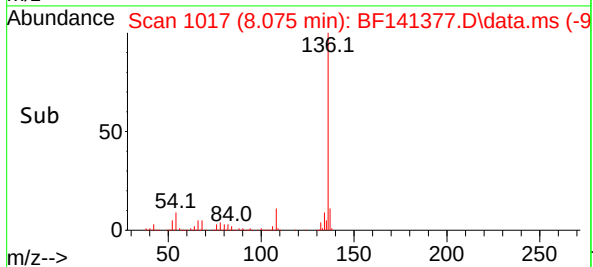
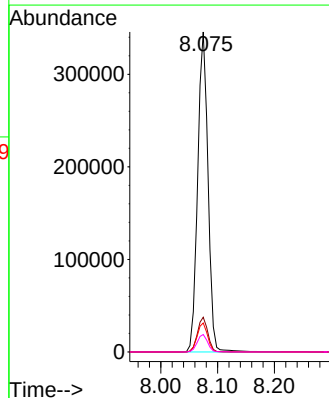
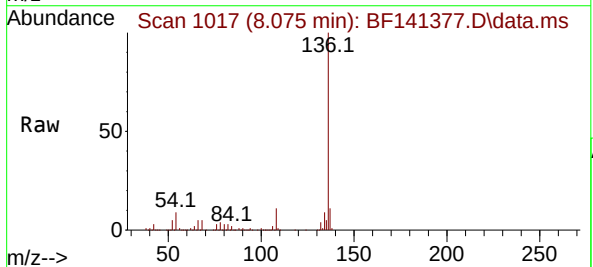
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

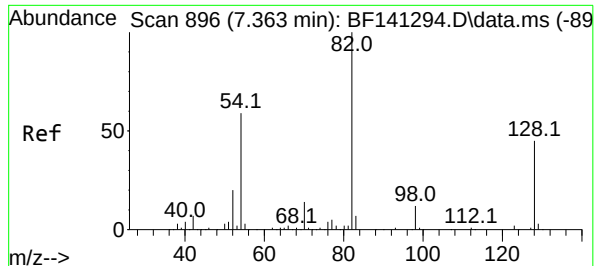
Tgt Ion: 99 Resp: 1133060
Ion Ratio Lower Upper
99 100
42 21.9 17.1 25.7
71 36.6 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

Tgt Ion: 136 Resp: 439549
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.8 11.8
68 5.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 101.626 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141377.D

Acq: 03 Feb 2025 19:04

Instrument :

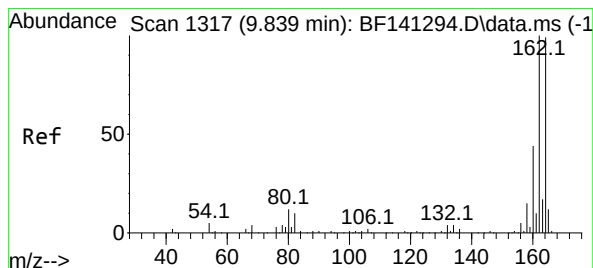
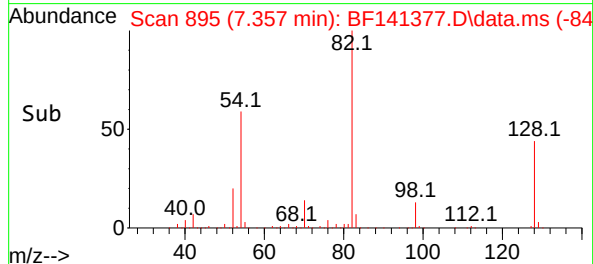
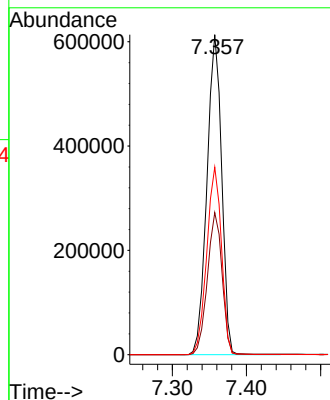
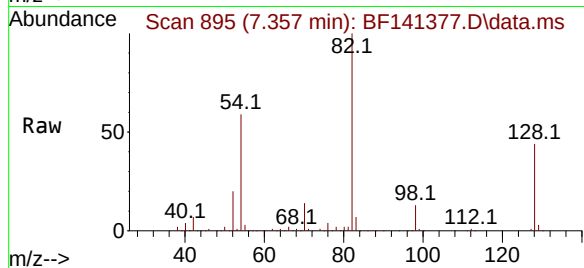
BNA_F

ClientSampleId :

JPP-26.2-012825

Tgt Ion: 82 Resp: 847357

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.7	53.5
54	58.6	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

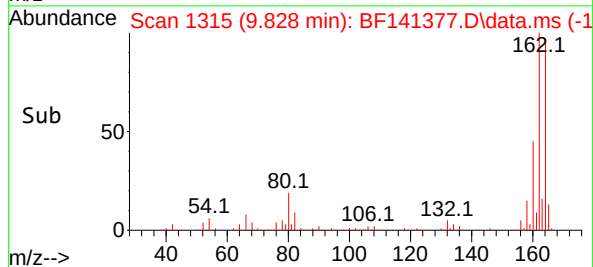
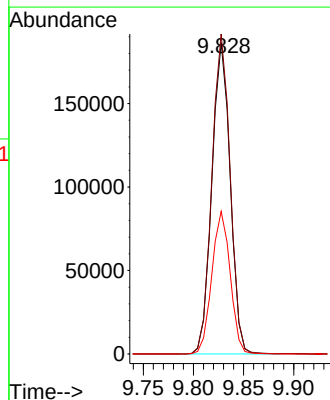
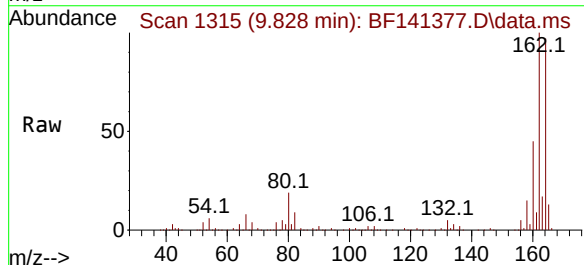
Delta R.T. -0.012 min

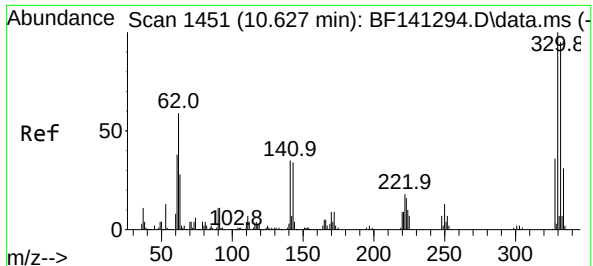
Lab File: BF141377.D

Acq: 03 Feb 2025 19:04

Tgt Ion: 164 Resp: 235703

Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.6	121.0
160	45.8	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 136.269 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141377.D

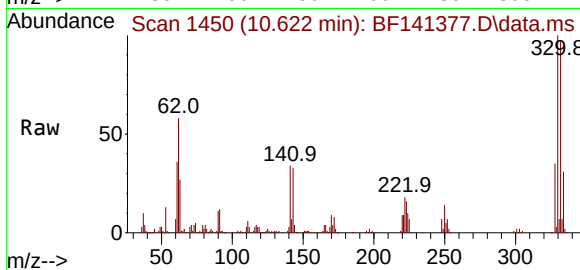
Acq: 03 Feb 2025 19:04

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825



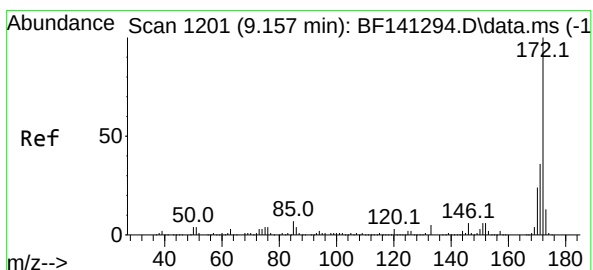
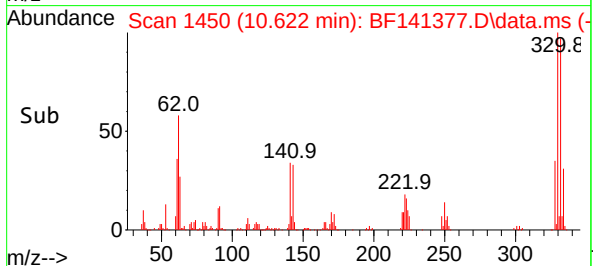
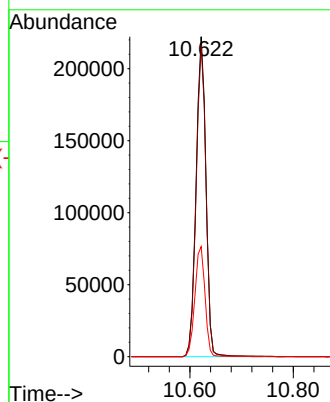
Tgt Ion:330 Resp: 294457

Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

141 35.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 95.299 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141377.D

Acq: 03 Feb 2025 19:04

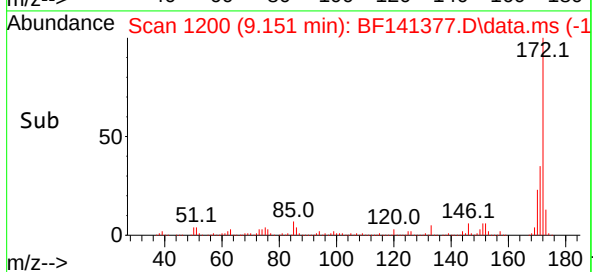
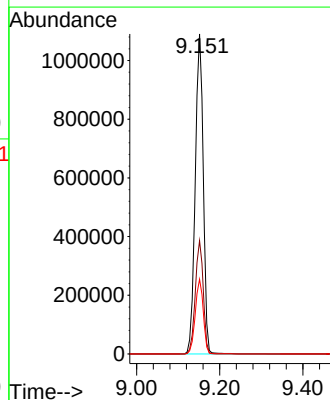
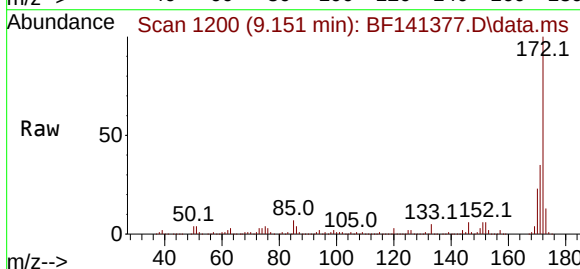
Tgt Ion:172 Resp: 1459350

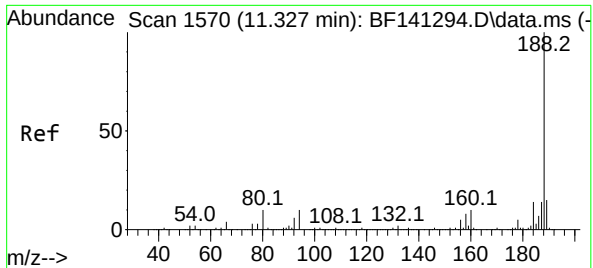
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6

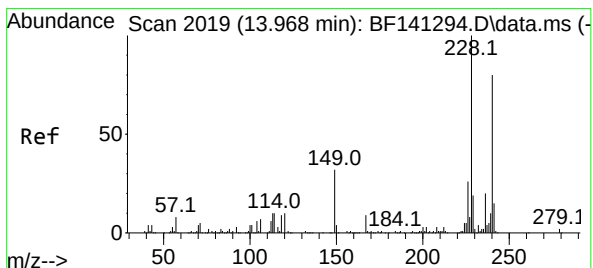
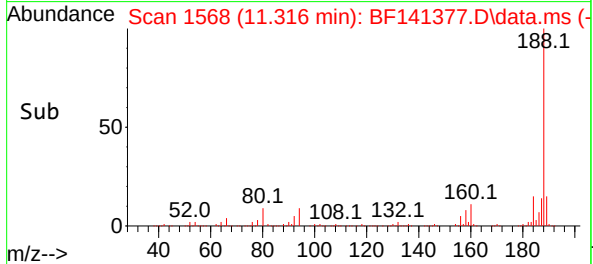
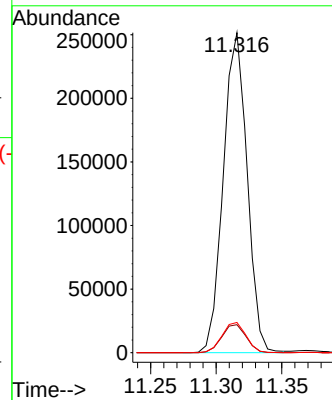
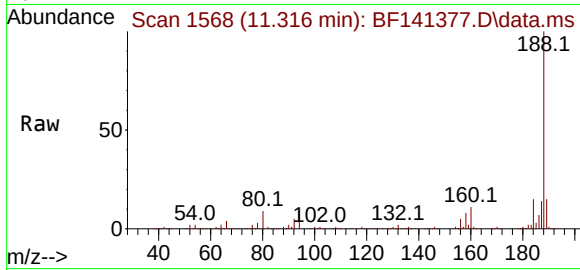




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

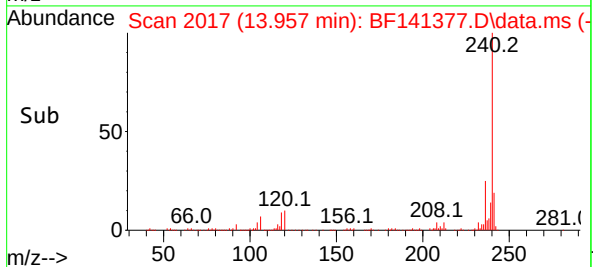
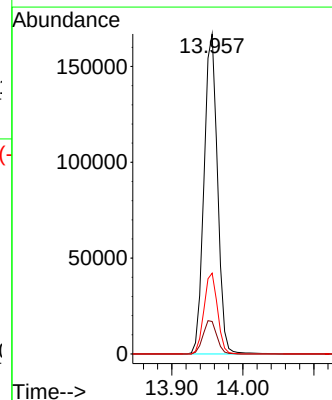
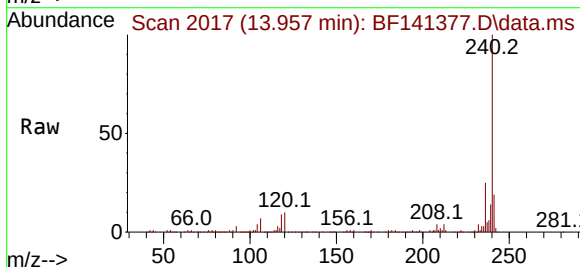
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

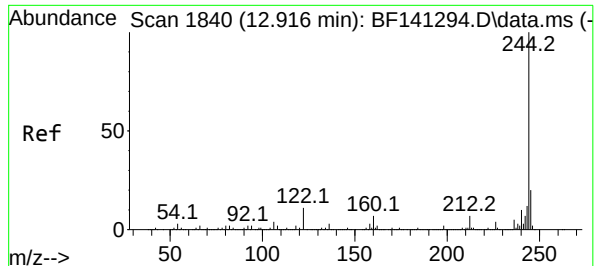
Tgt Ion:188 Resp: 317470
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.4 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141377.D
Acq: 03 Feb 2025 19:04

Tgt Ion:240 Resp: 220783
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.2 19.7 29.5





#79

Terphenyl-d14

Concen: 96.203 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141377.D

Acq: 03 Feb 2025 19:04

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

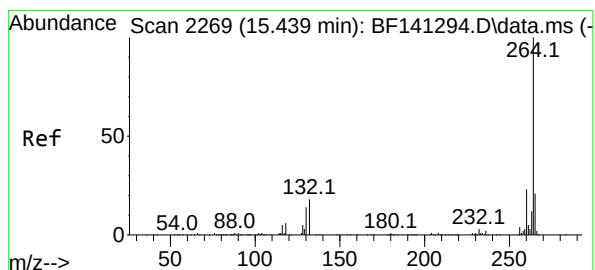
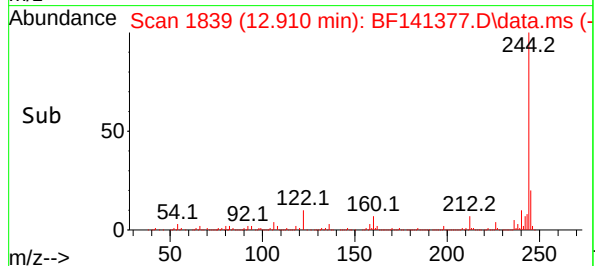
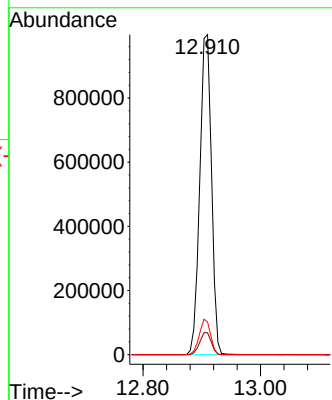
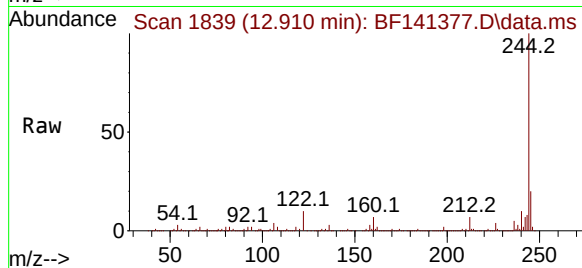
Tgt Ion:244 Resp: 1377262

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.2 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.029 min

Lab File: BF141377.D

Acq: 03 Feb 2025 19:04

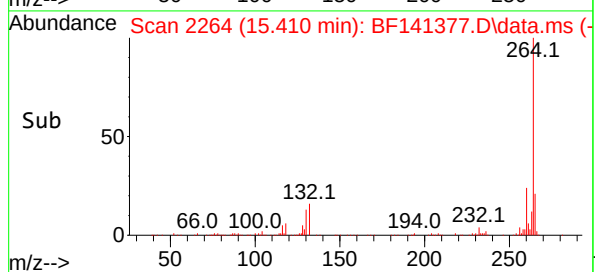
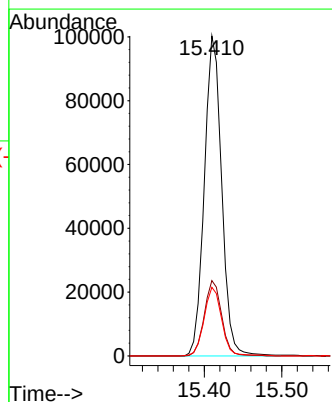
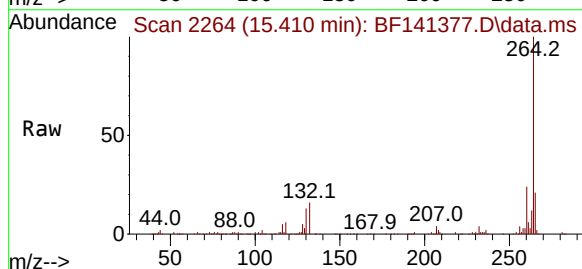
Tgt Ion:264 Resp: 155960

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 16.7 25.1





CALIBRATION SUMMARY

1
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Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF141297.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19	
3) Pyridine	1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46	
4) n-Nitrosodimet...	0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32	
5) S 2-Fluorophenol	1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03	
6) Aniline	1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93	
7) S Phenol-d6	1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47	
8) 2-Chlorophenol	1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24	
9) Benzaldehyde	1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81	
10) C Phenol	1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22	
11) bis(2-Chloroet...	1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93	
12) 1,3-Dichlorobe...	1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49	
13) C 1,4-Dichlorobe...	1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66	
14) 1,2-Dichlorobe...	1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46	
15) Benzyl Alcohol	1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72	
16) 2,2'-oxybis(1-...	2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01	
17) 2-Methylphenol	1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62	
18) Hexachloroethane	0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09	
19) P n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20) 3+4-Methylphenols	1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65	
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06	
23) S Nitrobenzene-d5	0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14	
24) Nitrobenzene	0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14	
25) Isophorone	0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62	
26) C 2-Nitrophenol	0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66	
27) 2,4-Dimethylph...	0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12	
28) bis(2-Chloroet...	0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70	
29) C 2,4-Dichloroph...	0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39	
30) 1,2,4-Trichlor...	0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11	
31) Naphthalene	1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72	
32) Benzoic acid	0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59	
33) 4-Chloroaniline	0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38	
34) C Hexachlorobuta...	0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52	
35) Caprolactam	0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89	
36) C 4-Chloro-3-met...	0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71	
37) 2-Methylnaphth...	0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68	
38) 1-Methylnaphth...	0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012925.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25	
41) P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69	
42) S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98	
43) C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79	
44)	2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50	
45) S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48	
46)	1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27	
47)	2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59	
48)	2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91	
49)	Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38	
50)	Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34	
51)	2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90	
52) C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46	
53)	3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44	
54) P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81	
55)	Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72	
56) P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21	
57)	2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03	
58)	Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96	
59)	2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11	
60)	Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32	
61)	4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04	
62)	4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45	
63)	Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29	
66) c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89	
67)	4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57	
68)	Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07	
69)	Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86	
70) C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08	
71)	Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96	
72)	Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00	
73)	Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04	
74)	Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65	
75) C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34	
78)	Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14	
79) S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68	
80)	Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49	
81)	Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96	
82)	3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82	
83)	Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98	
84)	Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93	
85) c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291		3.67
88)	Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258		8.33
89)	Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114		7.32
90) C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063		4.44
91)	Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039		4.73
92)	Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080		4.22

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

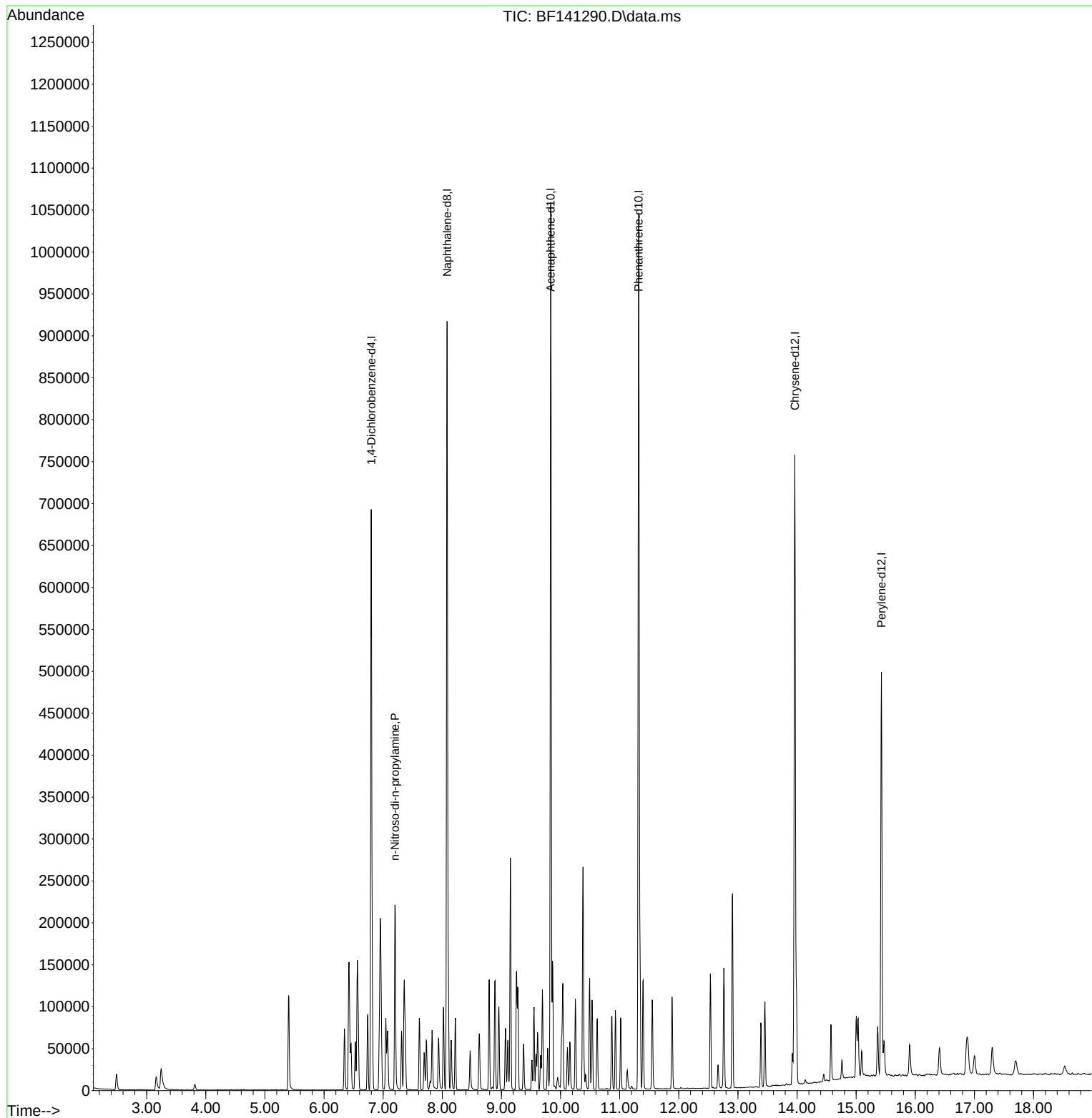
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
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...	7.198	70	18566	2.764	ng	Qvalue 99

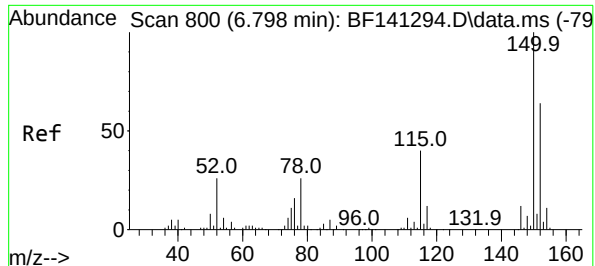
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

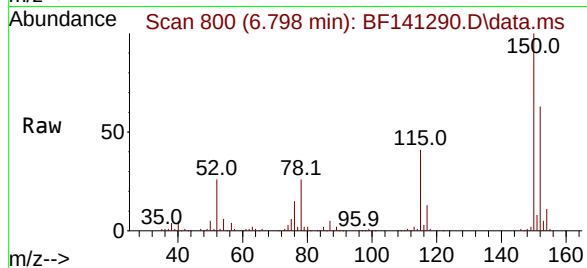
Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



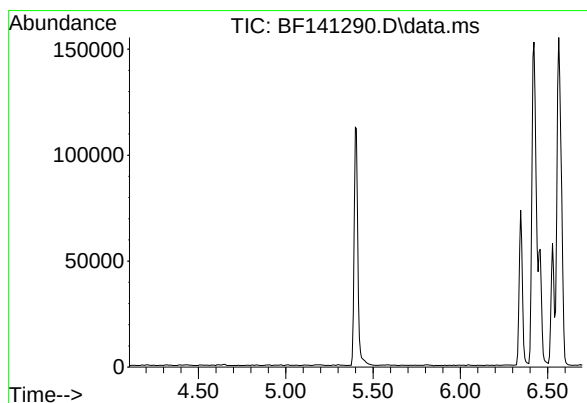
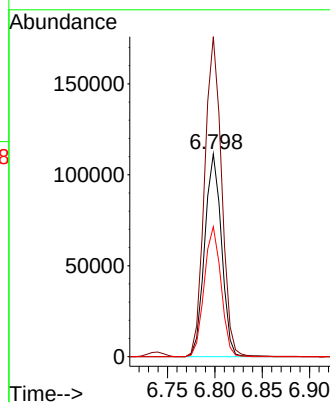
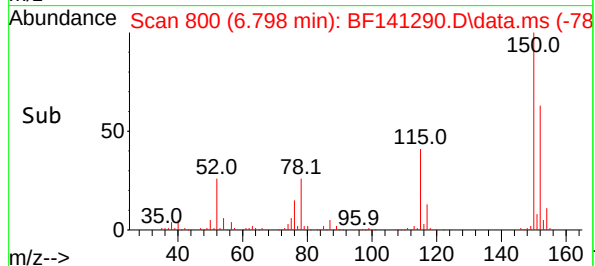


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



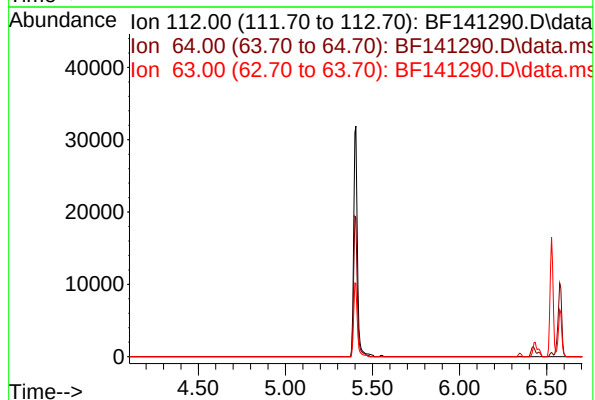
Tgt Ion:152 Resp: 137039
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 64.0 49.7 74.5



#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

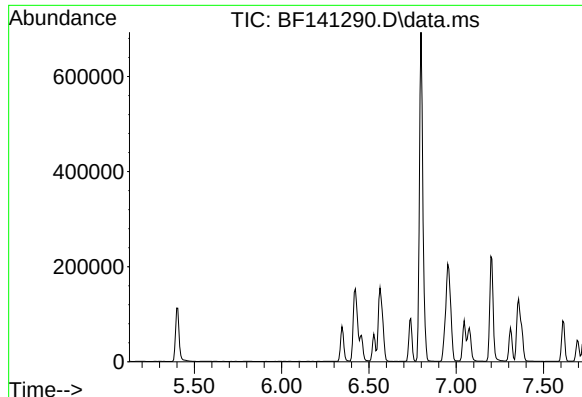
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112
Sig Exp Ratio
112 100
64 62.3
63 32.6



Ion 64.00 (63.70 to 64.70): BF141290.D\data.ms

Ion 63.00 (62.70 to 63.70): BF141290.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.43 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

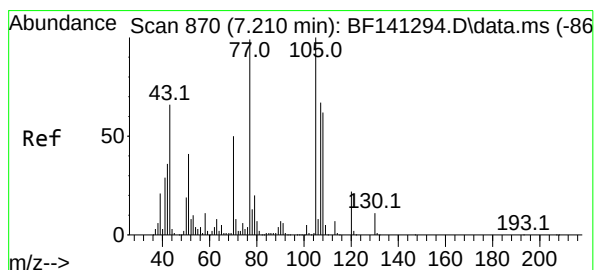
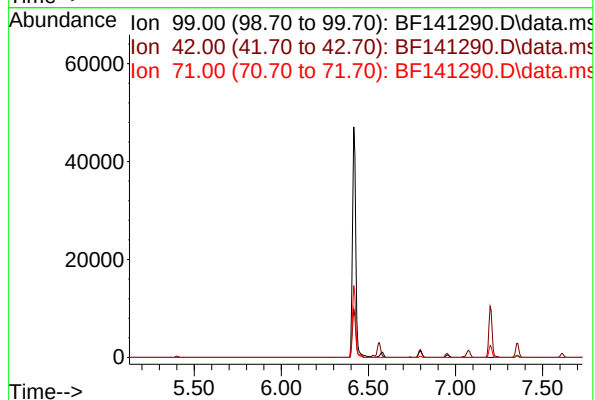
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 33.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.764 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

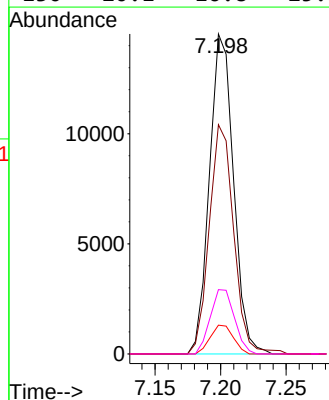
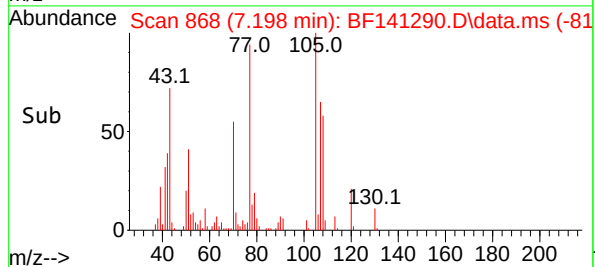
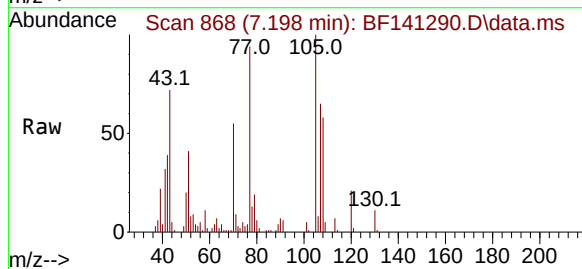
Ion Ratio Lower Upper

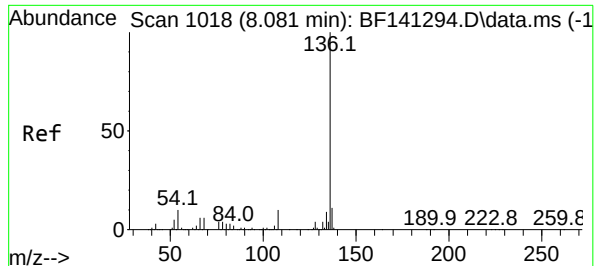
70 100

42 71.6 56.8 85.2

101 9.0 7.7 11.5

130 20.1 16.8 25.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 552749

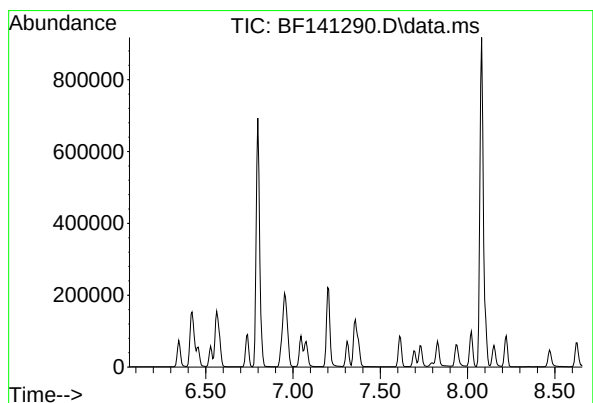
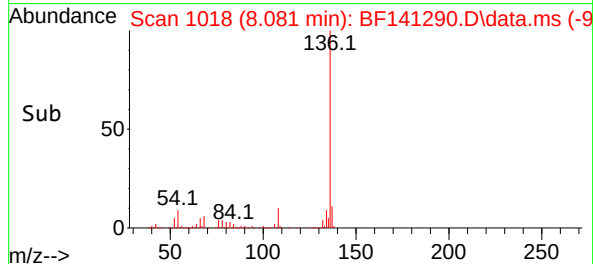
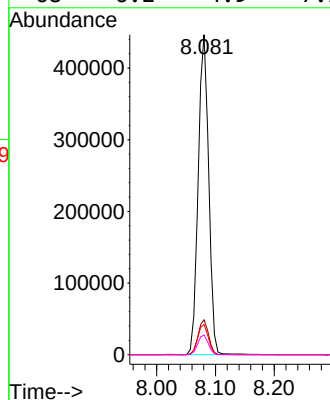
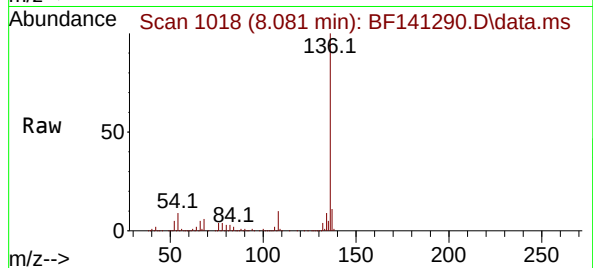
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 7.8 11.8

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

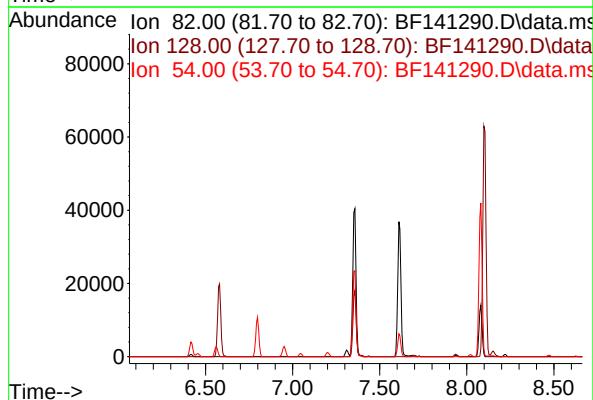
Tgt Ion: 82

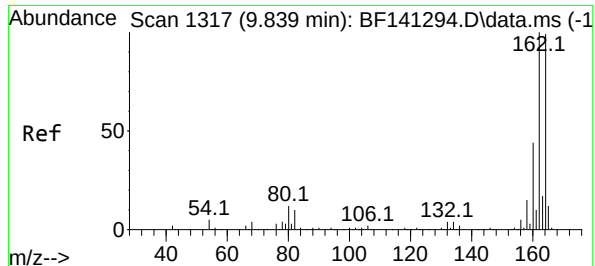
Sig Exp Ratio

82 100

128 44.6

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141290.D

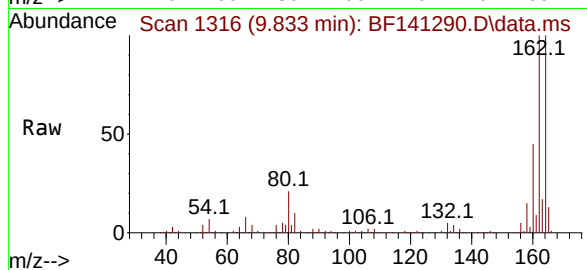
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



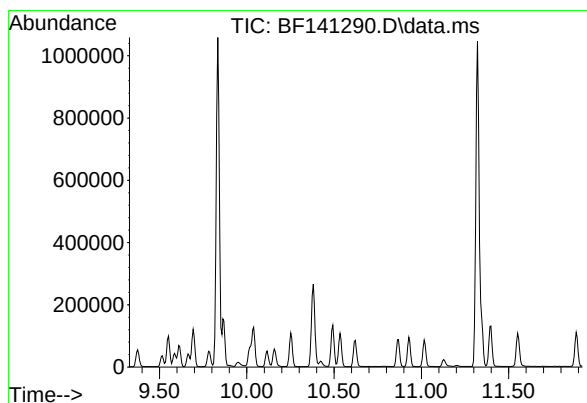
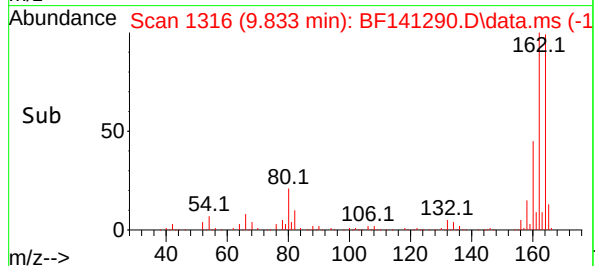
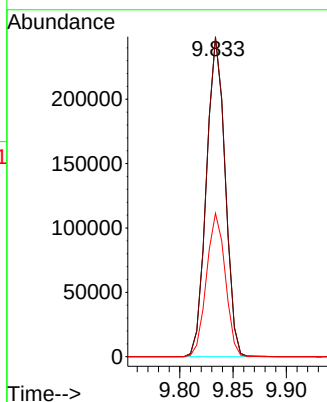
Tgt Ion:164 Resp: 301993

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.9 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.63 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

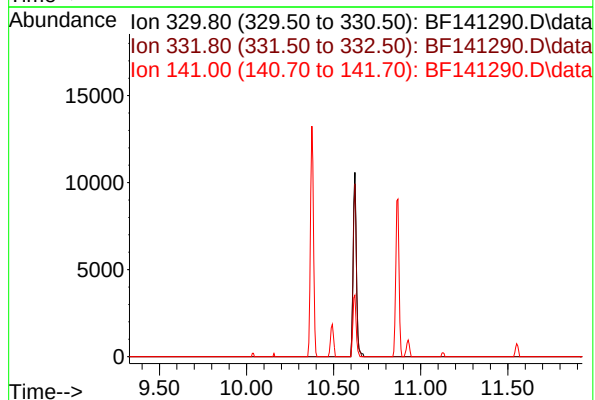
Tgt Ion: 330

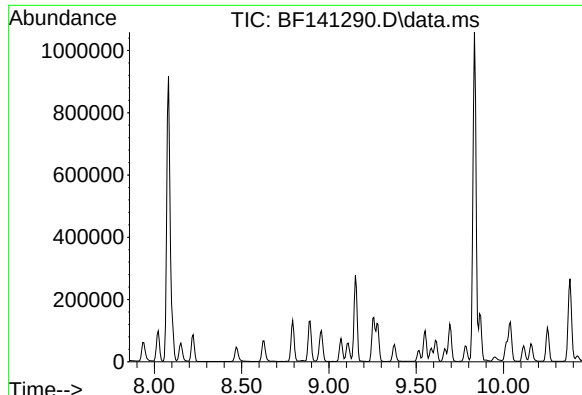
Sig Exp Ratio

330 100

332 95.1

141 36.0





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.16 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

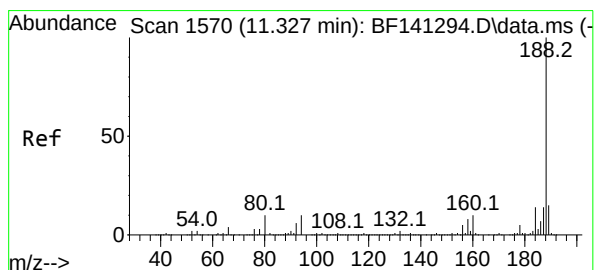
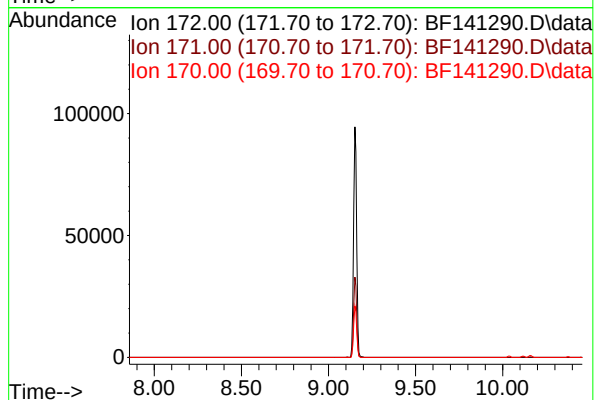
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.0

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

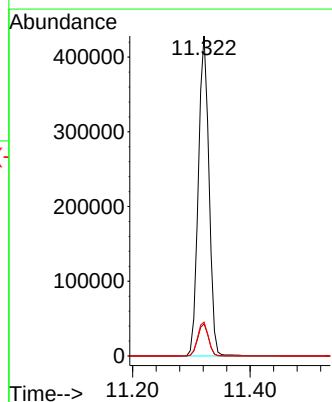
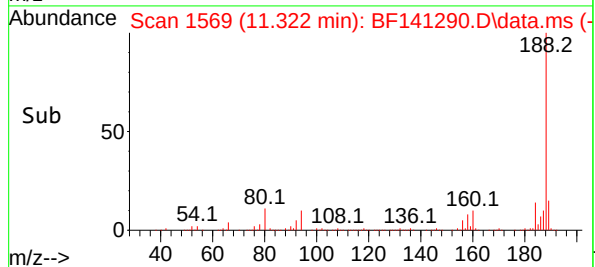
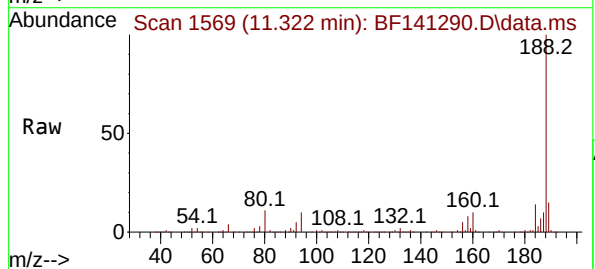
Tgt Ion: 188 Resp: 536934

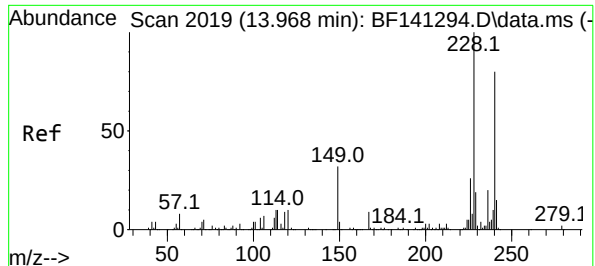
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 10.6 8.2 12.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141290.D

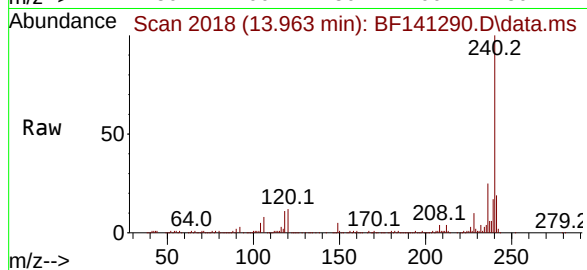
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



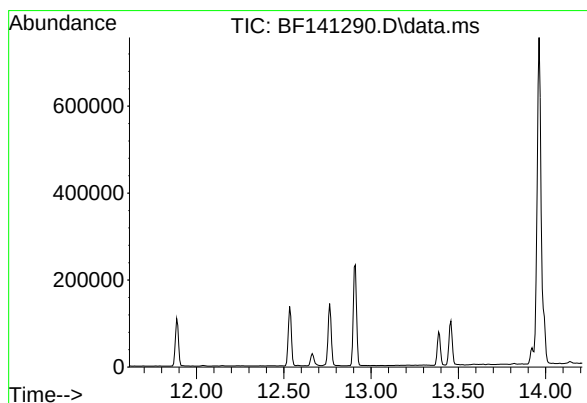
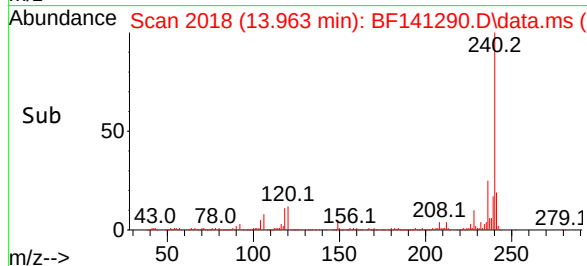
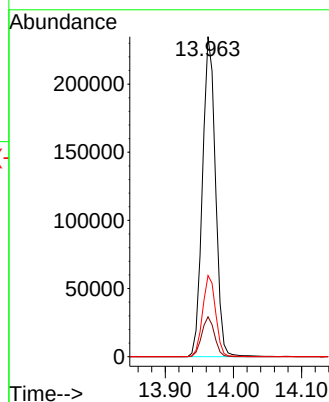
Tgt Ion:240 Resp: 311885

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

236 25.3 19.7 29.5



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.92 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

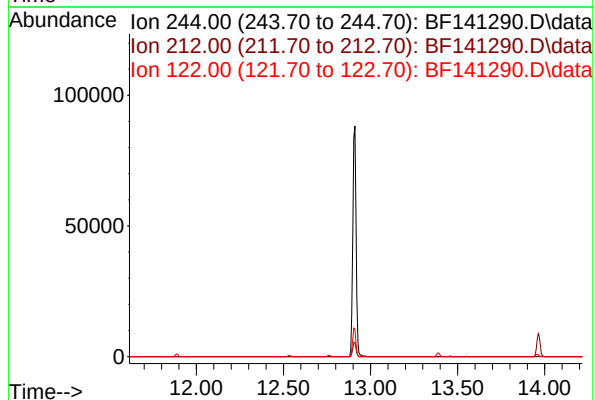
Tgt Ion: 244

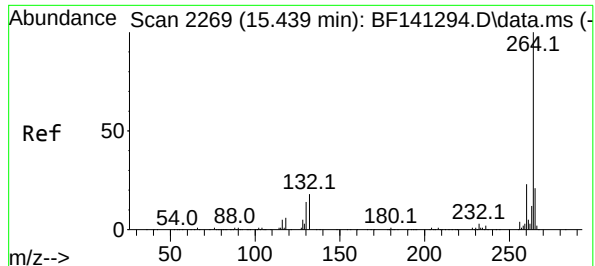
Sig Exp Ratio

244 100

212 6.7

122 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141290.D

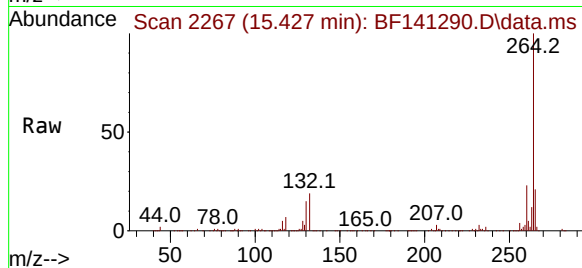
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



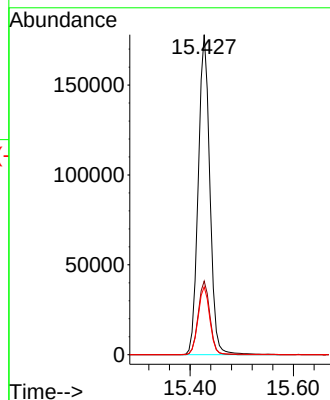
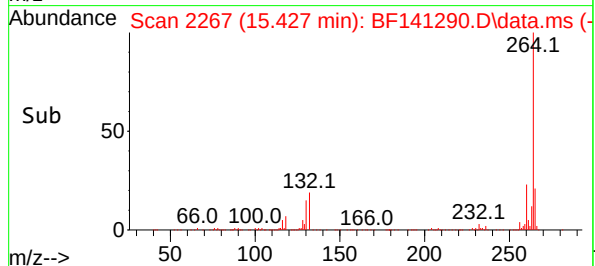
Tgt Ion:264 Resp: 276754

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng	0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng	0.00
86) Perylene-d12	15.427	264	273117	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	95839	11.044	ng	0.00
7) Phenol-d6	6.416	99	123556	11.172	ng	-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng	0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng	99
3) Pyridine	3.234	79	45762	4.967	ng	97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	# 96
6) Aniline	6.457	93	49669	5.373	ng	99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng	96
9) Benzaldehyde	6.346	77	39117	6.090	ng	97
10) Phenol	6.434	94	65035	5.558	ng	93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng	98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng	99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng	99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng	98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng	100
17) 2-Methylphenol	7.046	107	41498	5.500	ng	99
18) Hexachloroethane	7.310	117	20418	5.332	ng	95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng	100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	# 90
22) Acetophenone	7.204	105	72756	5.774	ng	98
24) Nitrobenzene	7.375	77	55610	5.337	ng	99
25) Isophorone	7.610	82	92818	5.346	ng	98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng	97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng	98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng	96
31) Naphthalene	8.098	128	158560	5.672	ng	99
32) Benzoic acid	7.793	122	18585	3.281	ng	93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng	97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng	99
35) Caprolactam	8.475	113	12827	5.204	ng	94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng	97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng	98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng	97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

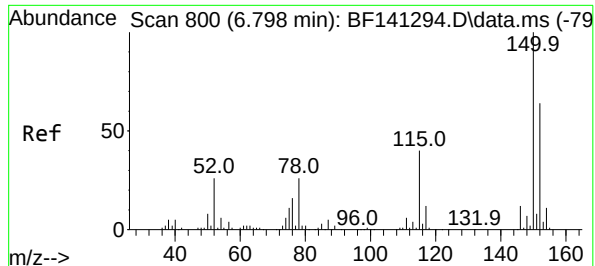
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

- 1
- 2
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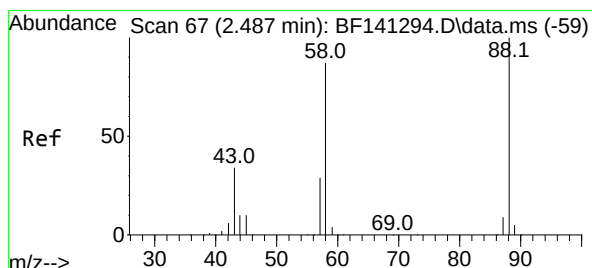
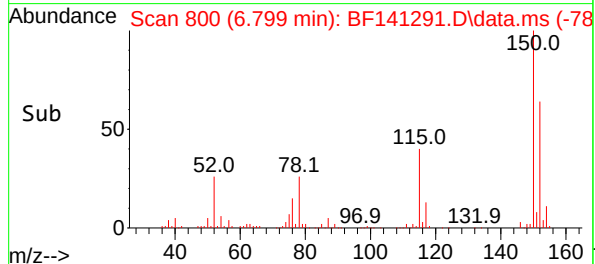
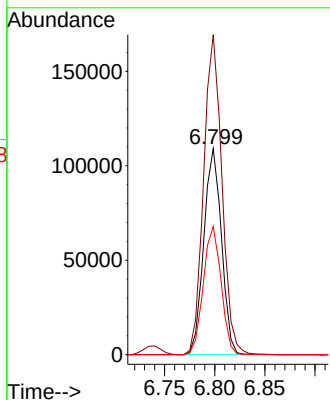
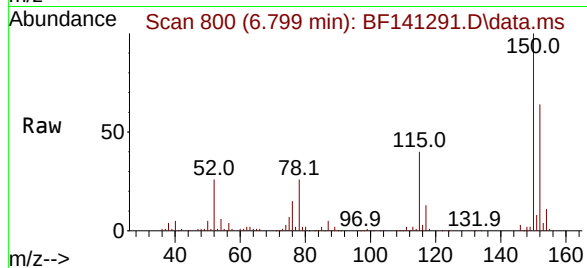




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

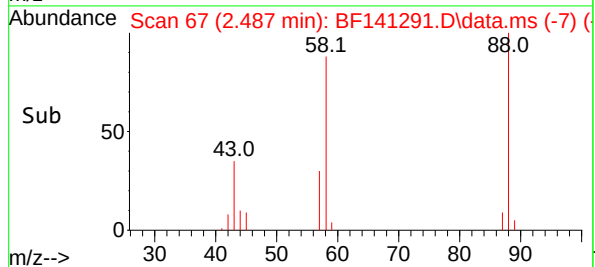
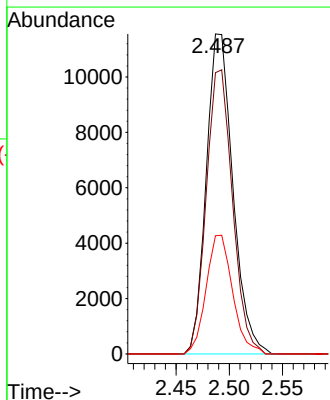
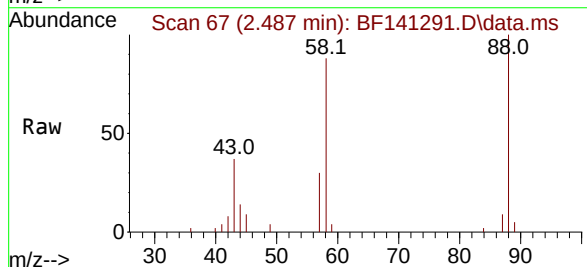
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

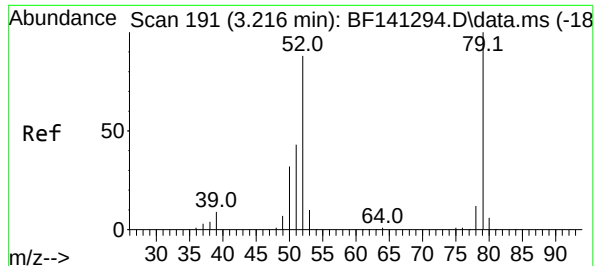
Tgt Ion:152 Resp: 134200
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 62.2 49.7 74.5



#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 36.8 27.6 41.4

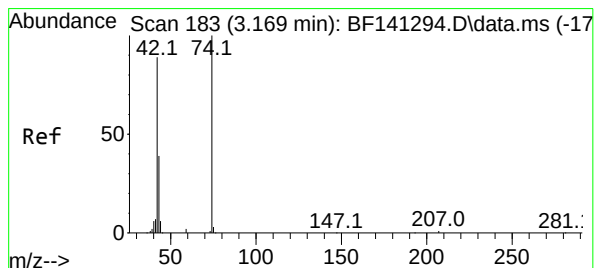
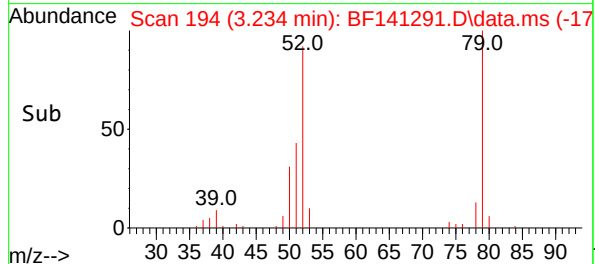
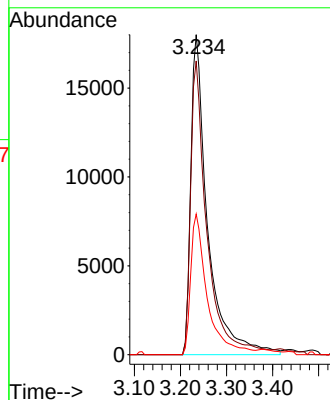
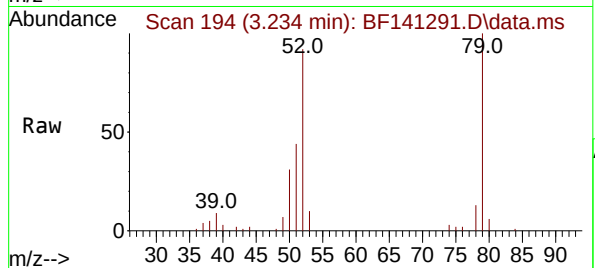




#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 191
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

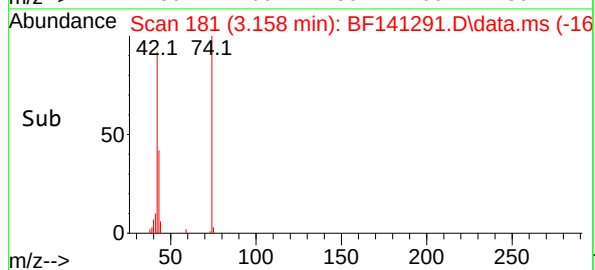
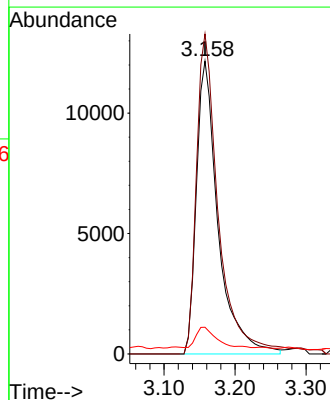
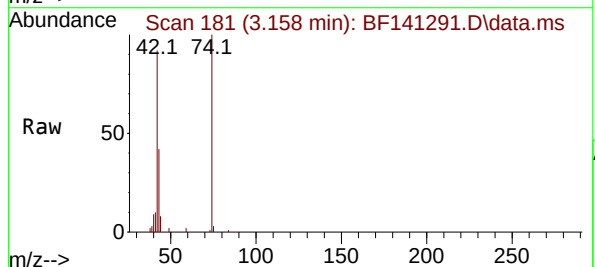
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

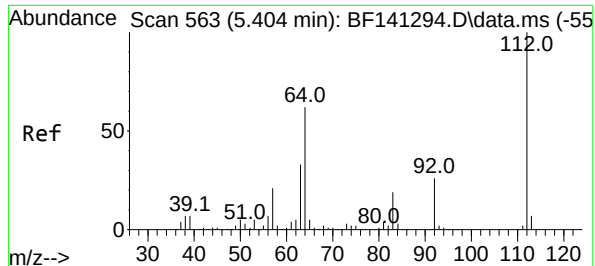
Tgt Ion: 79 Resp: 45762
Ion Ratio Lower Upper
79 100
52 91.8 70.3 105.5
51 43.9 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819
Ion Ratio Lower Upper
42 100
74 109.3 90.3 135.5
44 9.1 5.7 8.5

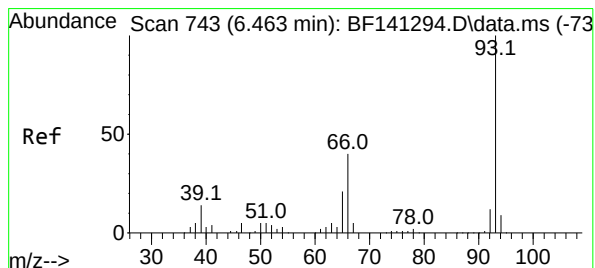
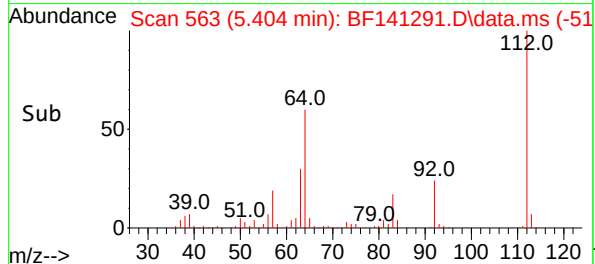
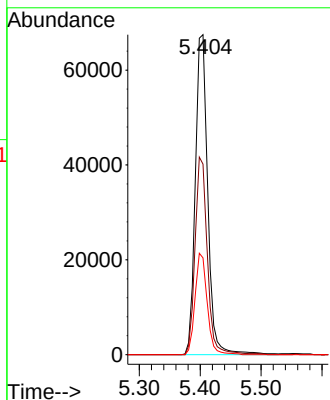
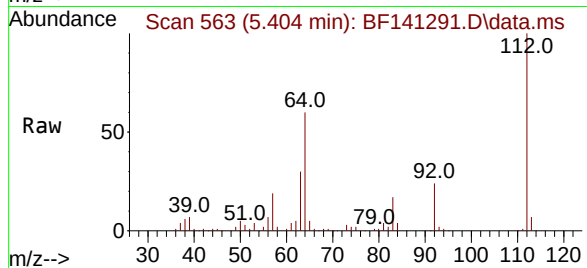




#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

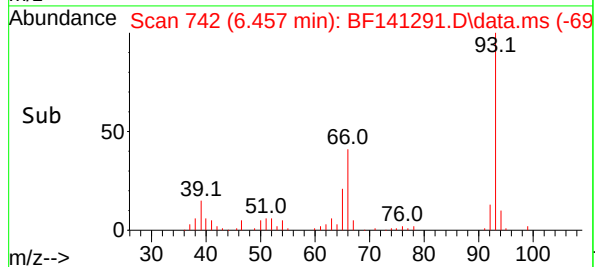
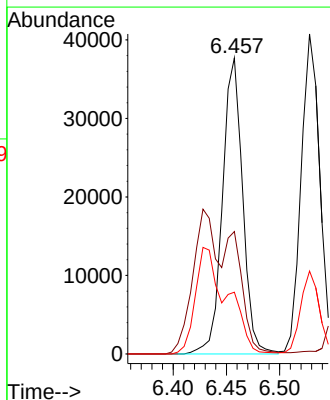
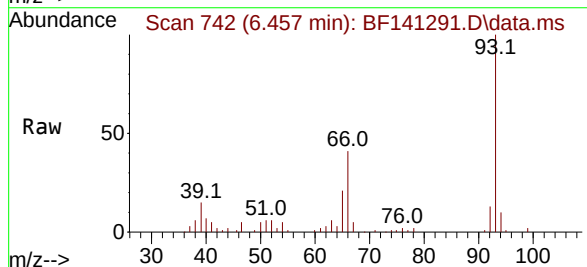
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

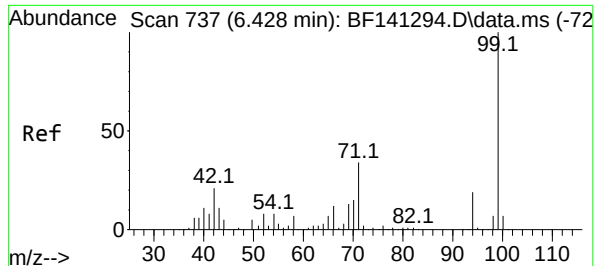
Tgt Ion:112 Resp: 95839
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.2 26.1 39.1



#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669
Ion Ratio Lower Upper
93 100
66 41.4 32.5 48.7
65 20.9 17.0 25.6





#7

Phenol-d6

Concen: 11.172 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

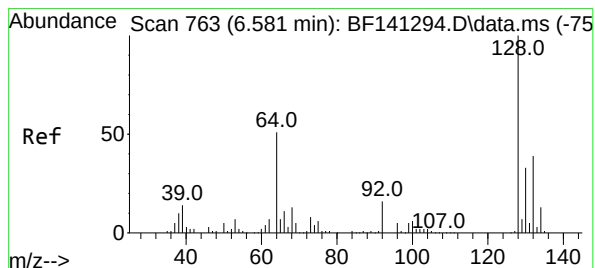
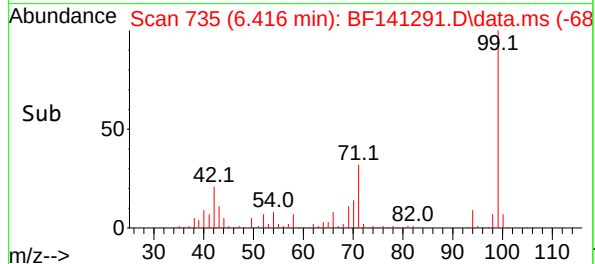
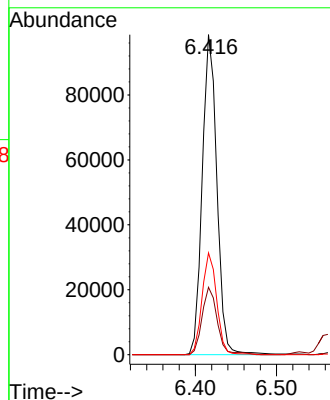
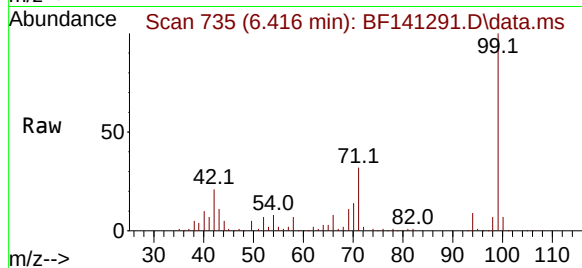
Tgt Ion: 99 Resp: 123556

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

71 31.8 26.9 40.3



#8

2-Chlorophenol

Concen: 5.527 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

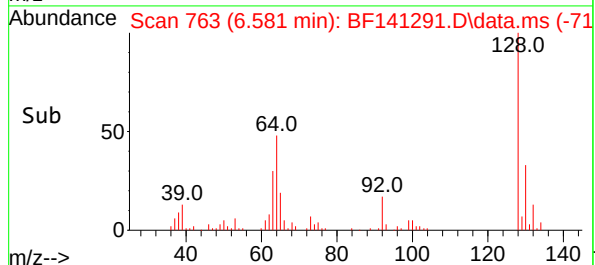
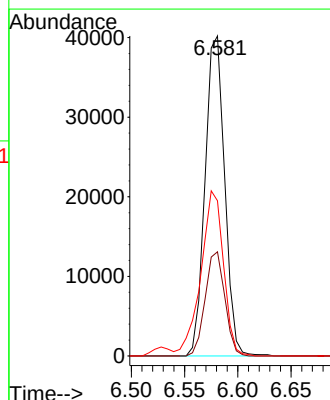
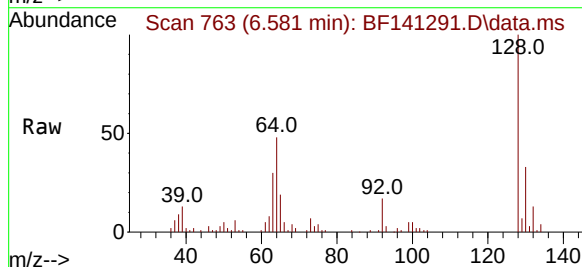
Tgt Ion: 128 Resp: 51505

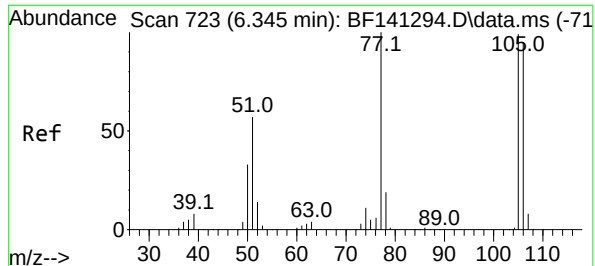
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 48.5 32.9 72.9





#9

Benzaldehyde

Concen: 6.090 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

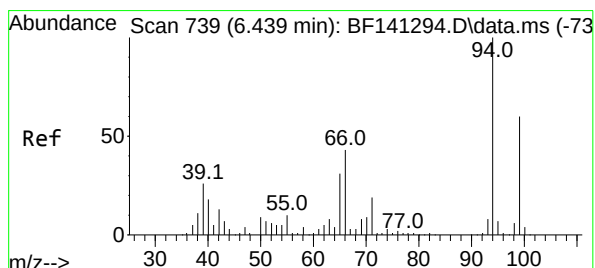
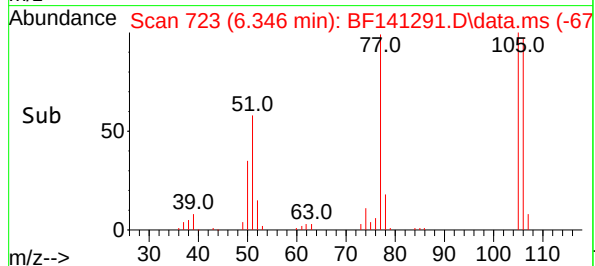
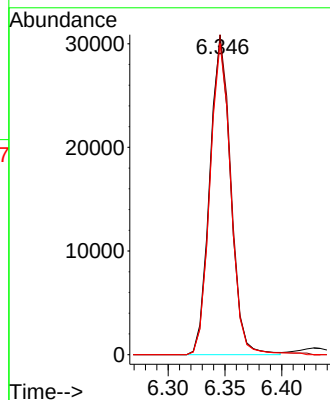
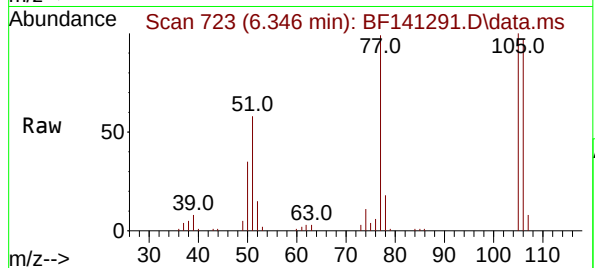
Tgt Ion: 77 Resp: 39117

Ion Ratio Lower Upper

77 100

105 100.9 79.4 119.4

106 98.1 74.6 114.6



#10

Phenol

Concen: 5.558 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

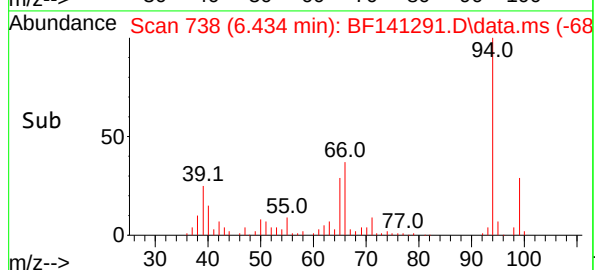
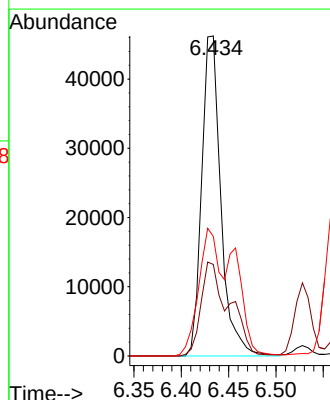
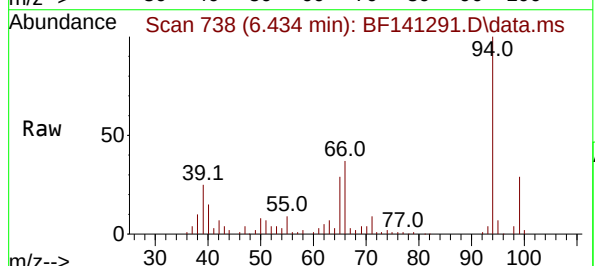
Tgt Ion: 94 Resp: 65035

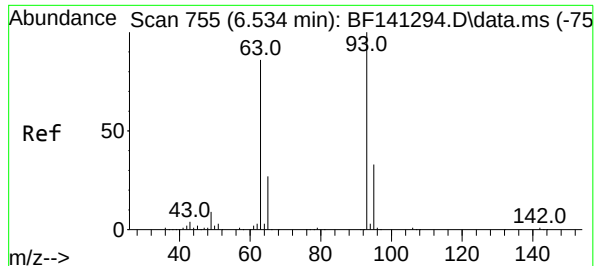
Ion Ratio Lower Upper

94 100

65 28.6 10.8 50.8

66 37.4 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 5.510 ng

RT: 6.528 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

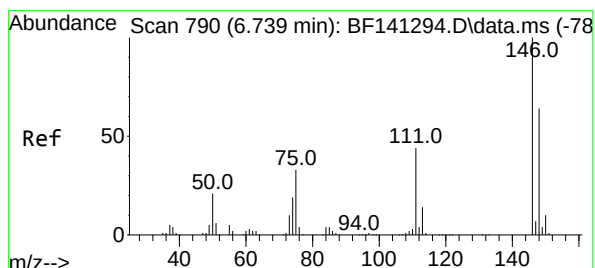
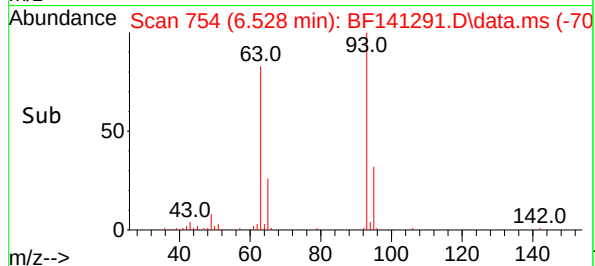
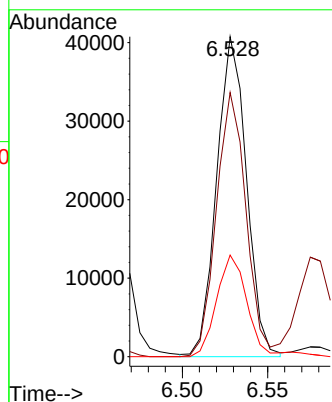
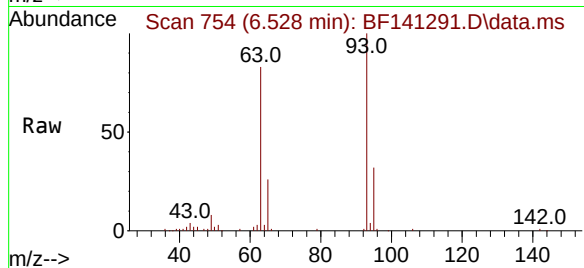
Tgt Ion: 93 Resp: 49579

Ion Ratio Lower Upper

93 100

63 82.6 65.0 105.0

95 31.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 5.539 ng

RT: 6.740 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

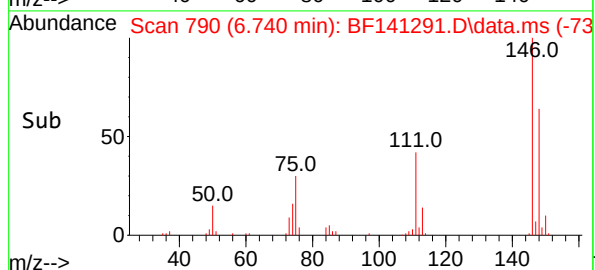
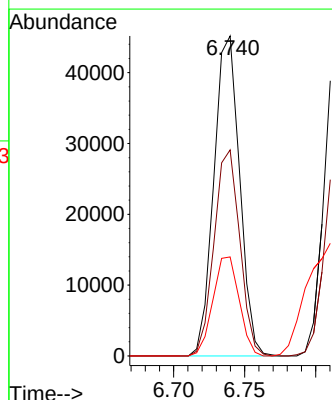
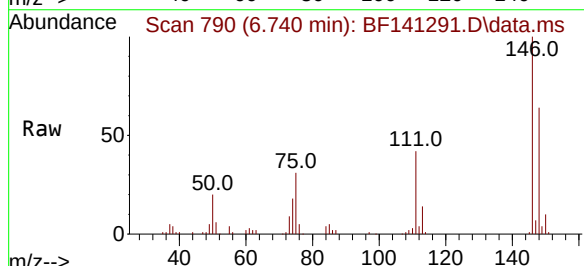
Tgt Ion: 146 Resp: 56929

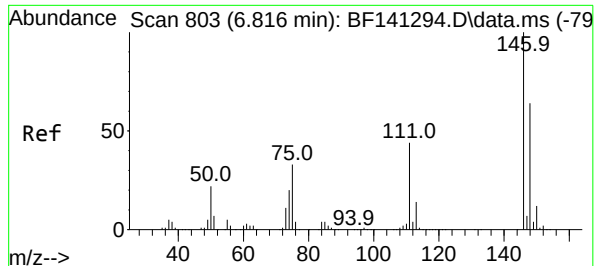
Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

75 30.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 5.573 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

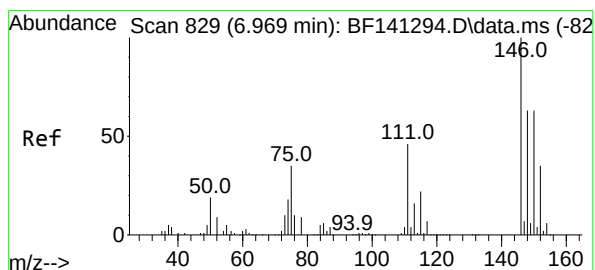
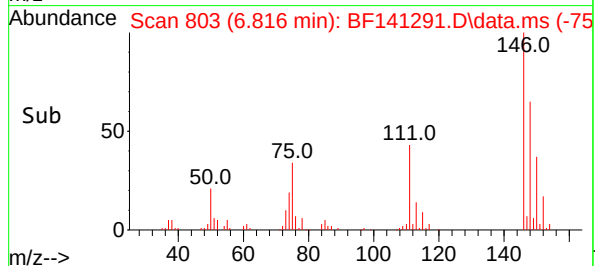
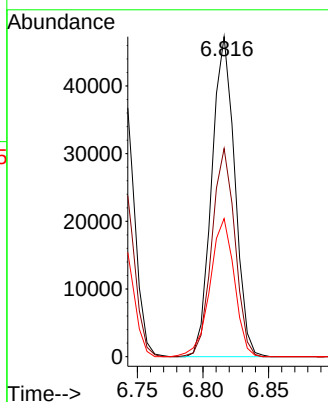
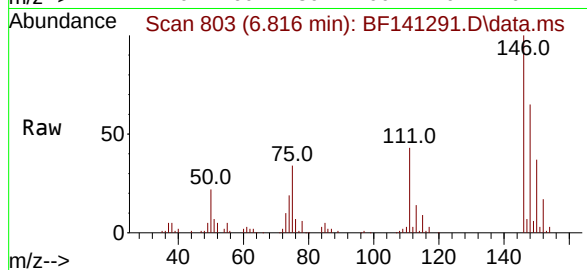
Tgt Ion:146 Resp: 57684

Ion Ratio Lower Upper

146 100

148 65.0 51.2 76.8

111 43.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 5.650 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

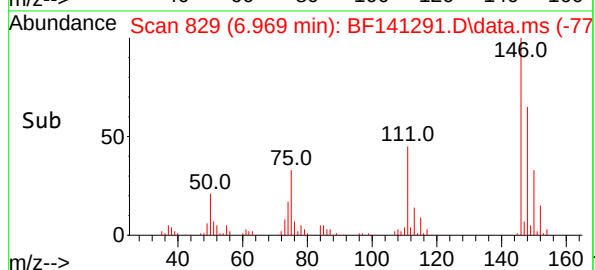
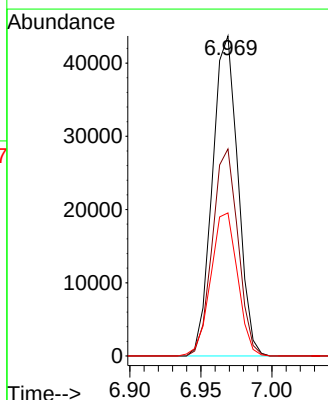
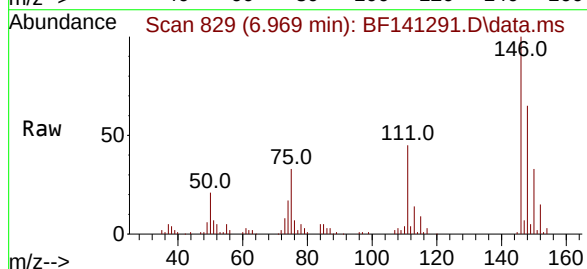
Tgt Ion:146 Resp: 54653

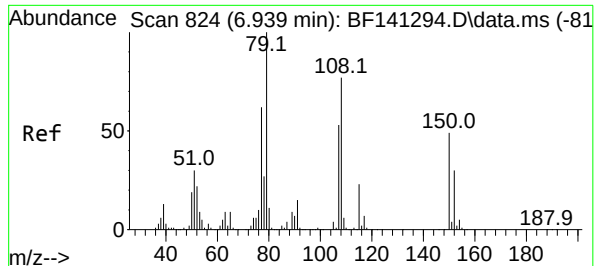
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 44.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 5.053 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

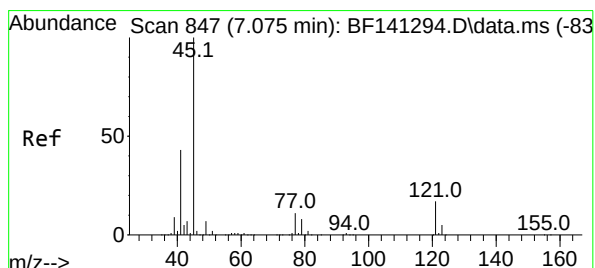
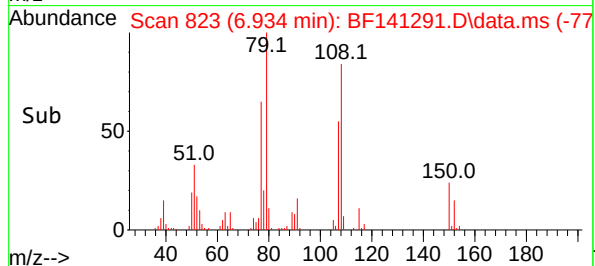
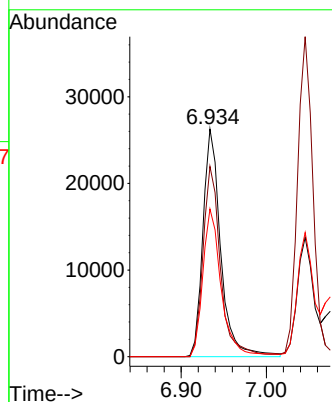
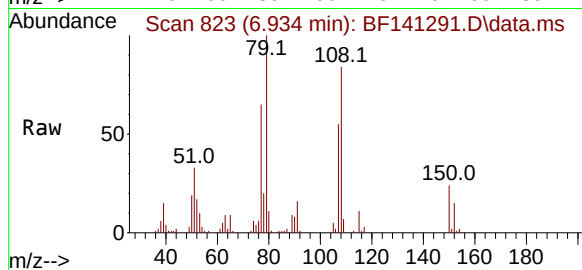
Tgt Ion: 79 Resp: 38176

Ion Ratio Lower Upper

79 100

108 83.6 61.4 92.0

77 64.8 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.436 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

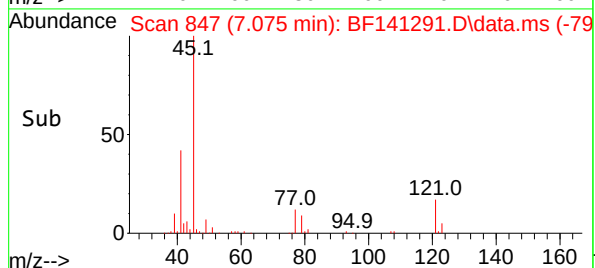
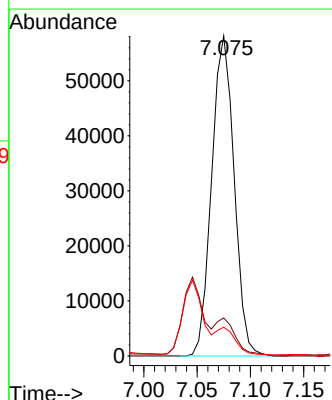
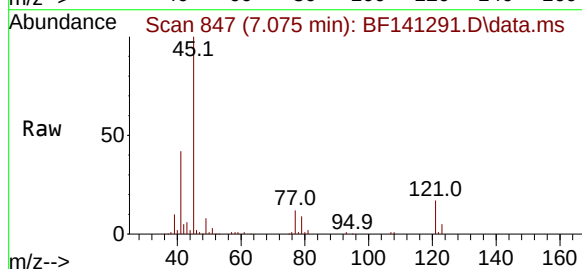
Tgt Ion: 45 Resp: 84988

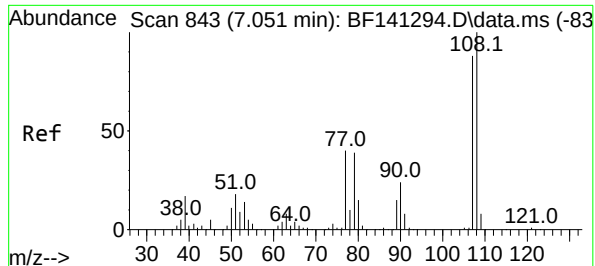
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.8

79 9.0 0.0 29.1

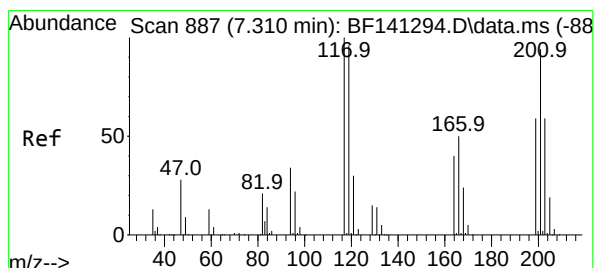
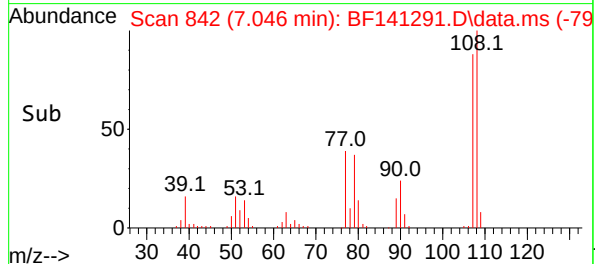
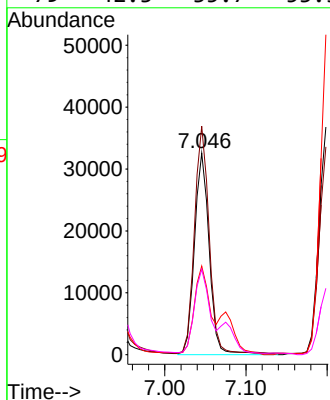
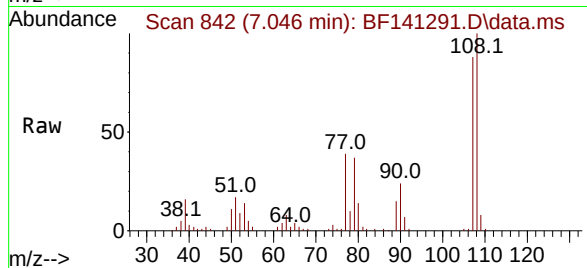




#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

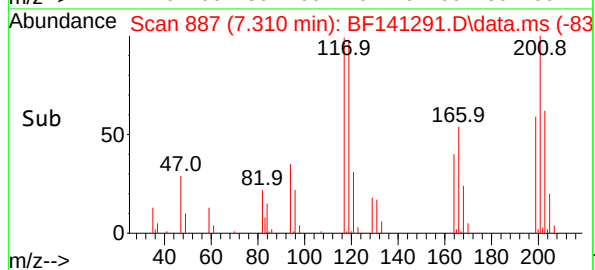
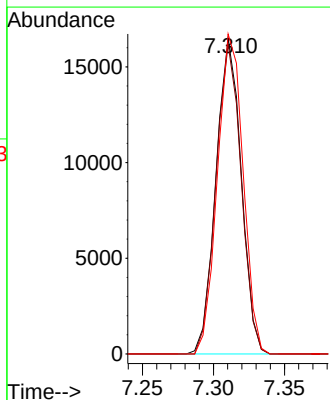
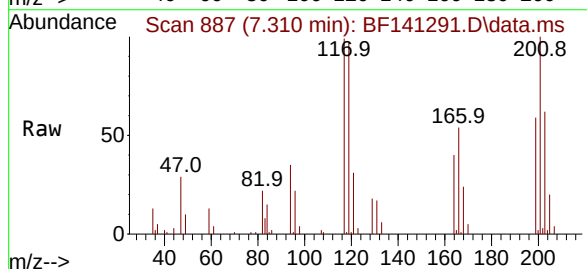
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

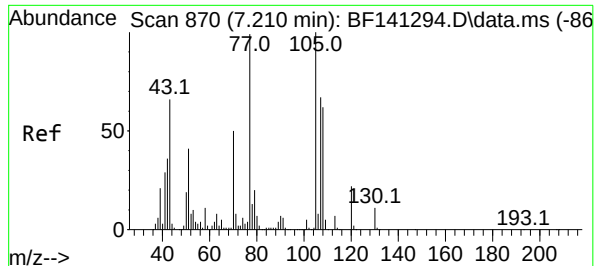
Tgt Ion:	107	Resp:	41498
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5



#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	117	Resp:	20418
Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.363 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 35278

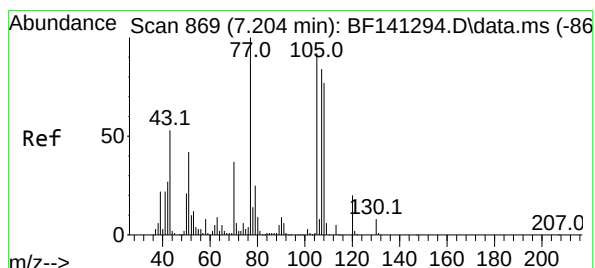
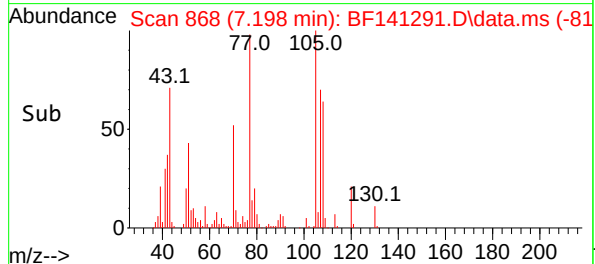
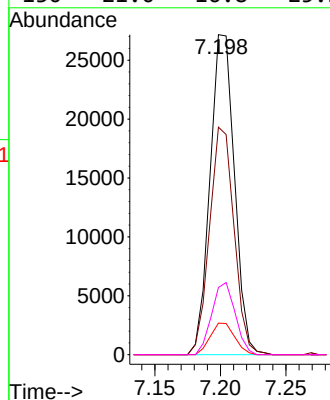
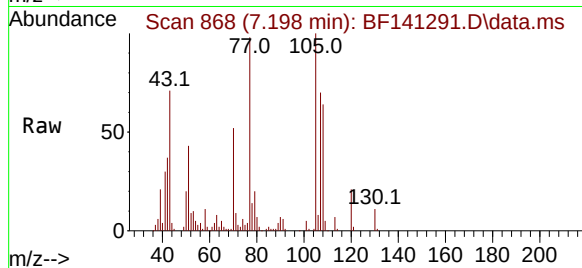
Ion Ratio Lower Upper

70 100

42 71.1 56.8 85.2

101 9.9 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 5.645 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion: 107 Resp: 52364

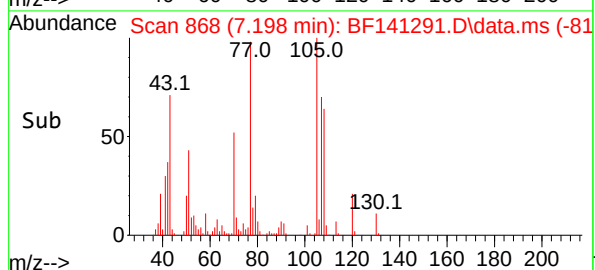
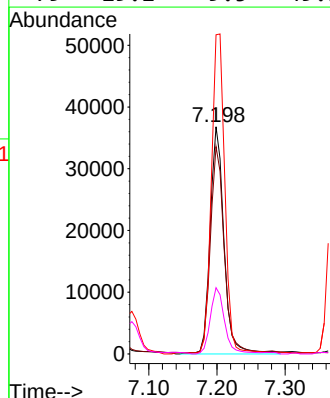
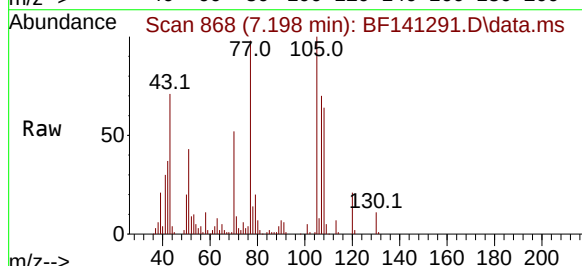
Ion Ratio Lower Upper

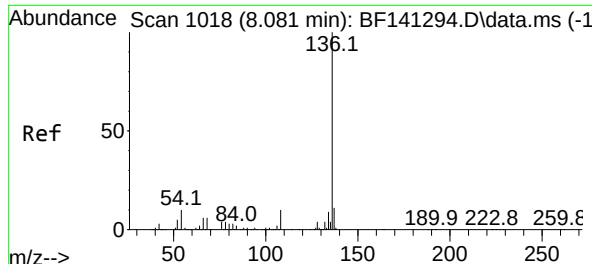
107 100

108 91.3 70.9 110.9

77 140.5 98.5 138.5#

79 29.2 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 531551

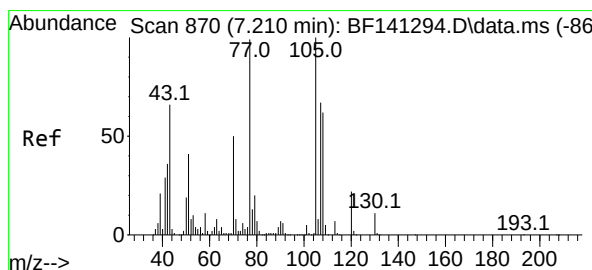
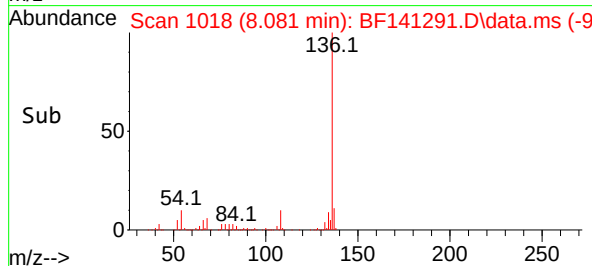
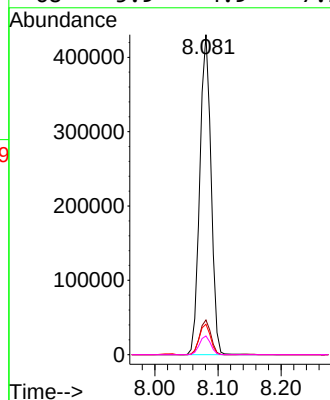
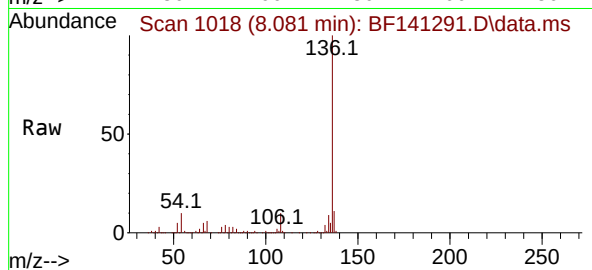
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.5 7.8 11.8

68 5.9 4.9 7.3



#22

Acetophenone

Concen: 5.774 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

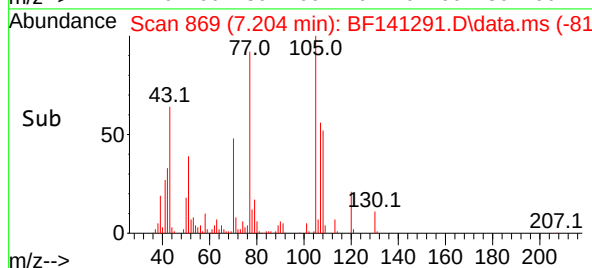
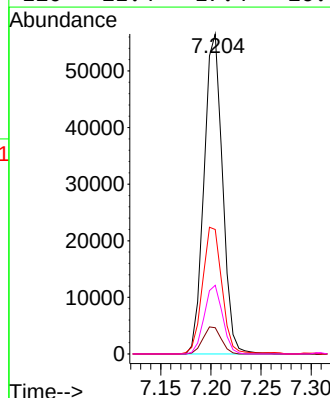
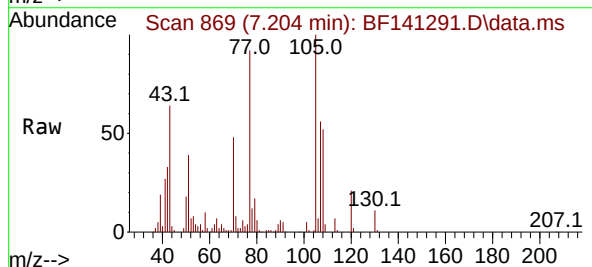
Ion Ratio Lower Upper

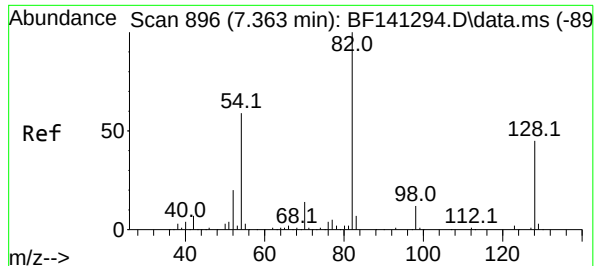
105 100

71 8.2 6.8 10.2

51 38.9 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 10.719 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

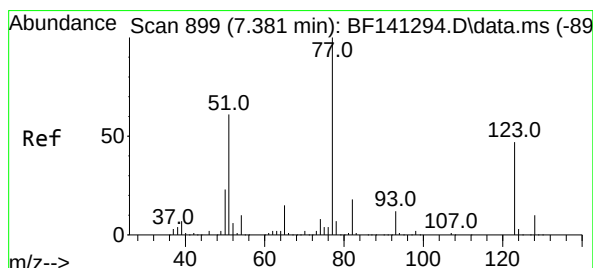
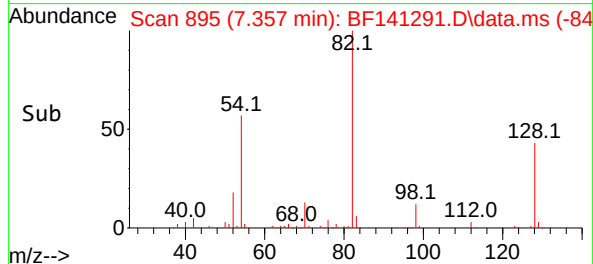
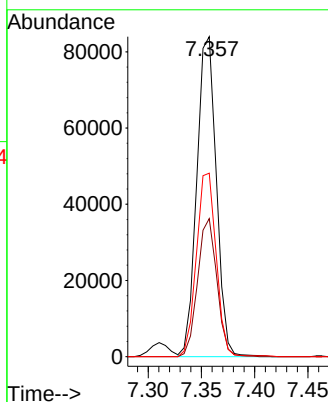
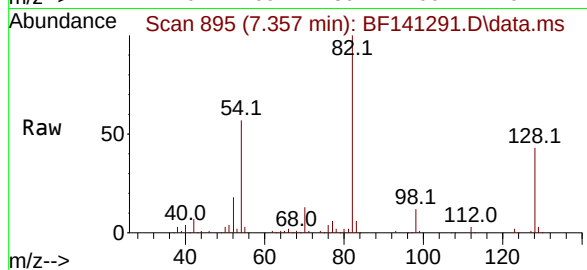
BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 107680

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	57.4	47.1	70.7



#24

Nitrobenzene

Concen: 5.337 ng

RT: 7.375 min Scan# 898

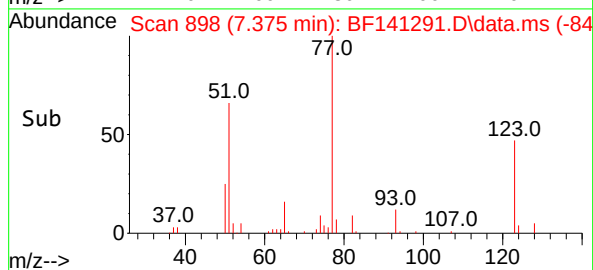
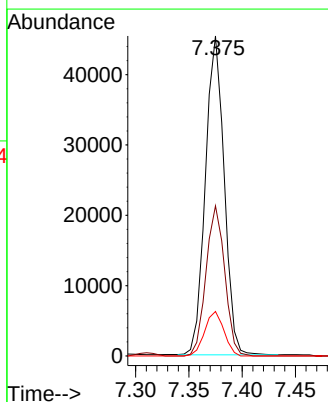
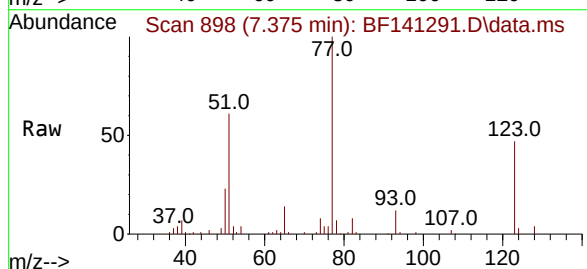
Delta R.T. -0.006 min

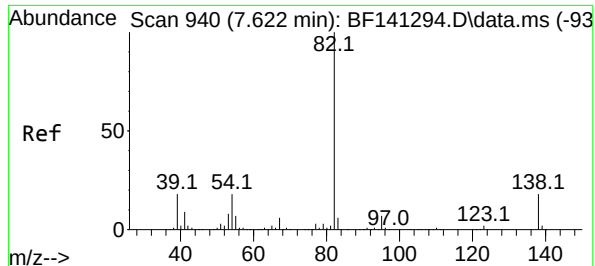
Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	13.9	11.8	17.6





#25

Isophorone

Concen: 5.346 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

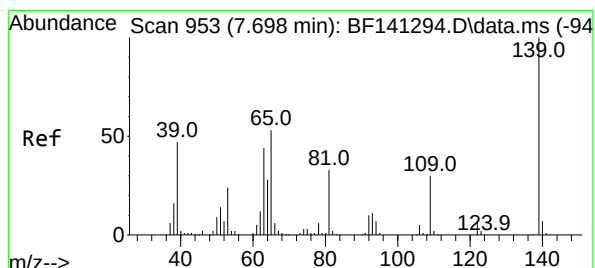
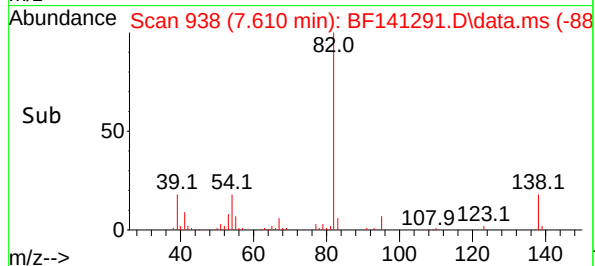
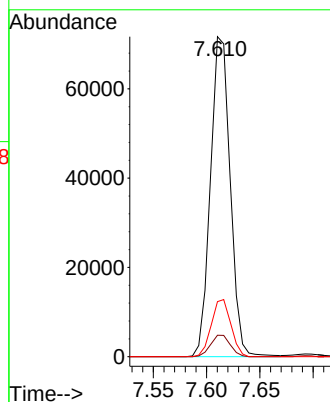
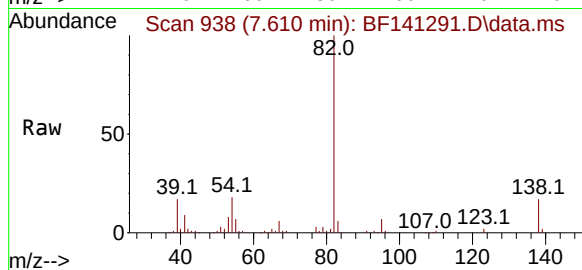
Tgt Ion: 82 Resp: 92818

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

138 17.2 14.7 22.1



#26

2-Nitrophenol

Concen: 4.789 ng

RT: 7.693 min Scan# 952

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

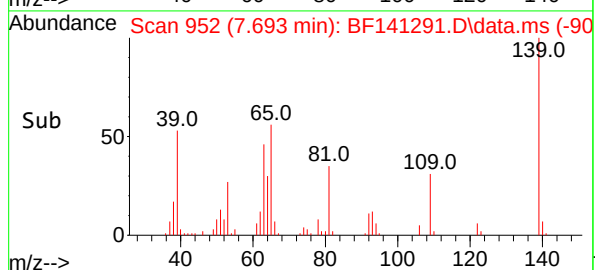
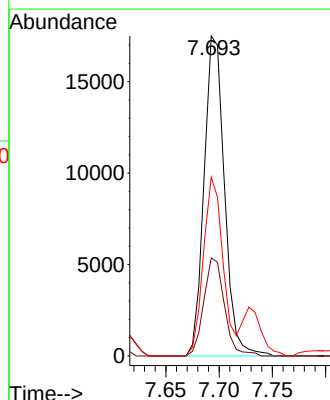
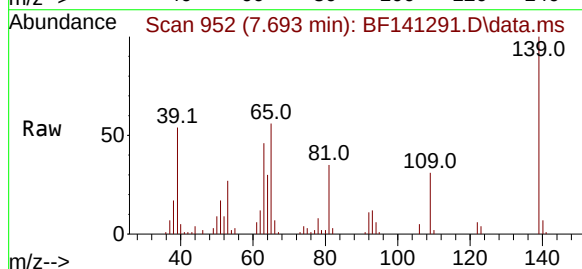
Tgt Ion: 139 Resp: 23372

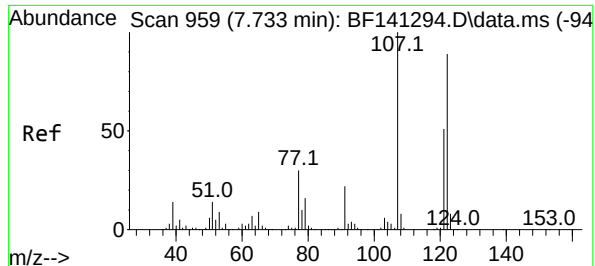
Ion Ratio Lower Upper

139 100

109 30.7 23.8 35.6

65 55.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 5.205 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

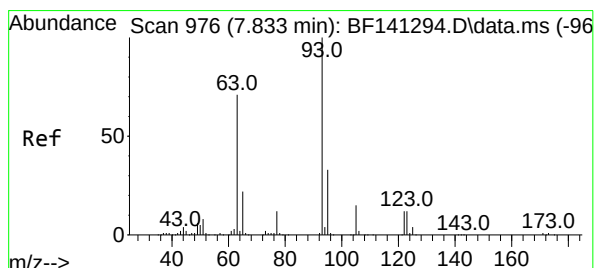
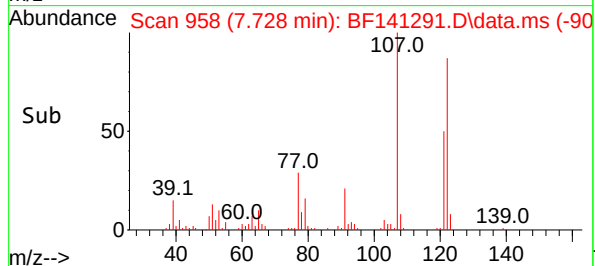
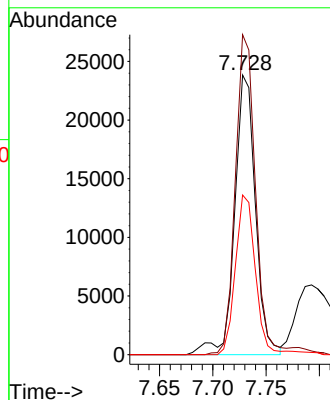
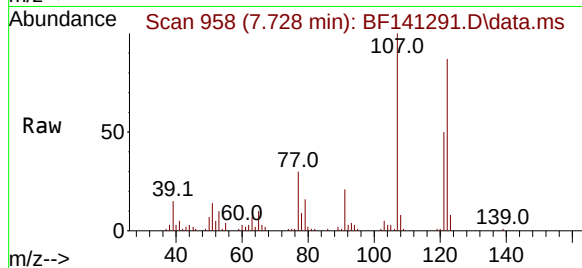
Tgt Ion:122 Resp: 32462

Ion Ratio Lower Upper

122 100

107 114.4 89.9 134.9

121 57.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.449 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

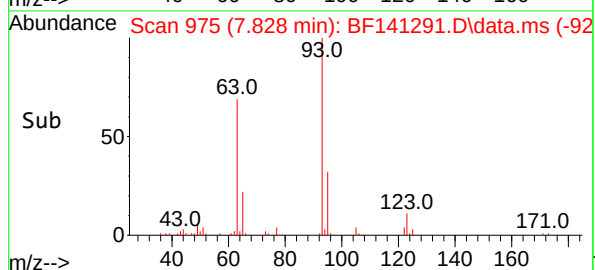
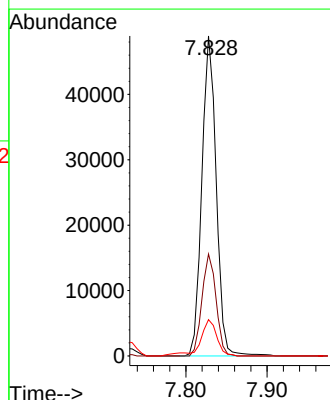
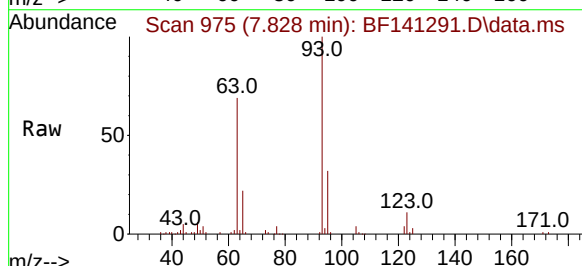
Tgt Ion: 93 Resp: 60286

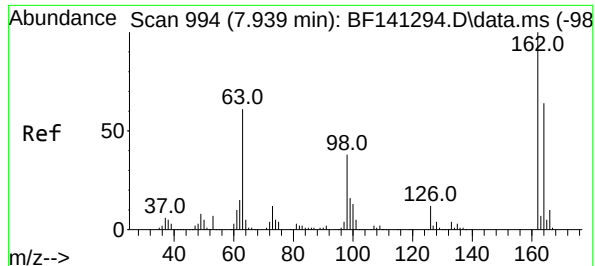
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 11.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 5.360 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

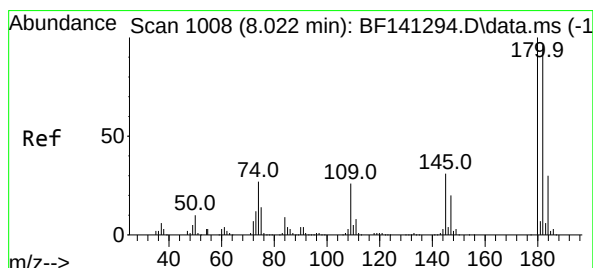
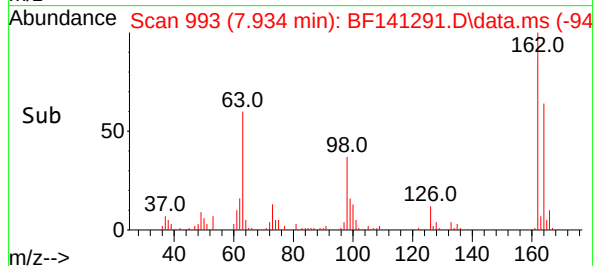
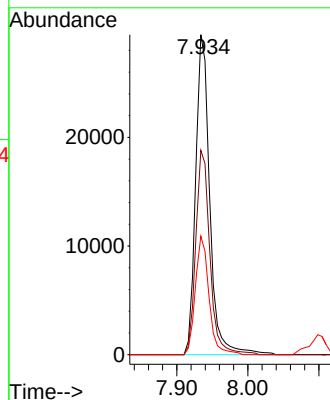
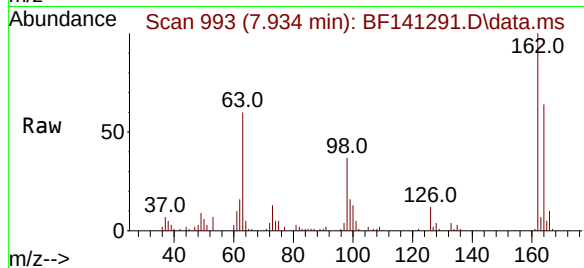
Tgt Ion:162 Resp: 40847

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 37.0 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 5.661 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

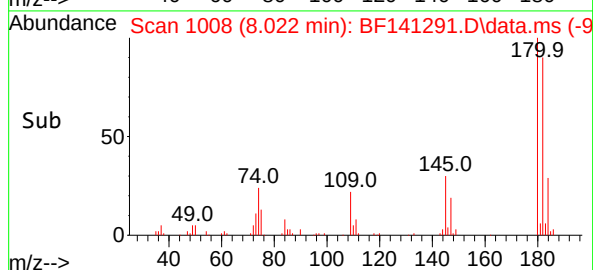
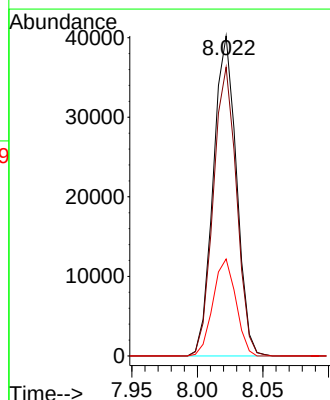
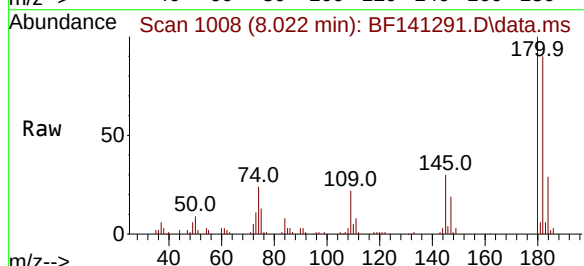
Tgt Ion:180 Resp: 49479

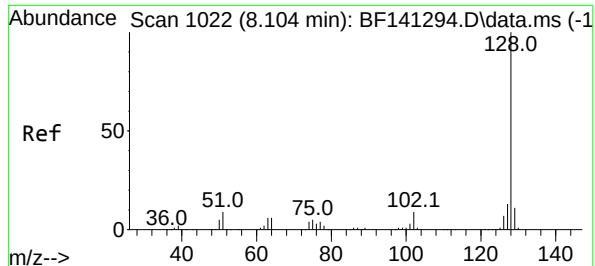
Ion Ratio Lower Upper

180 100

182 90.2 76.4 114.6

145 30.3 24.9 37.3





#31

Naphthalene

Concen: 5.672 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

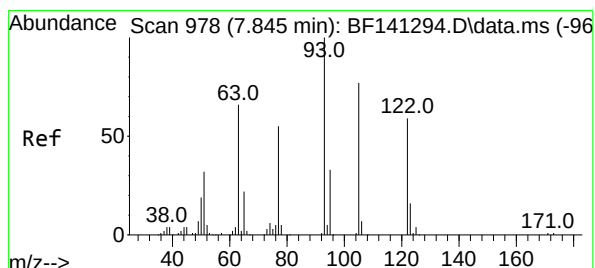
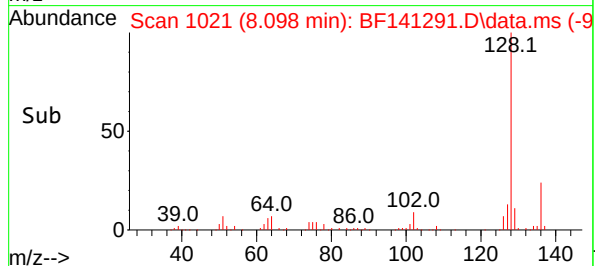
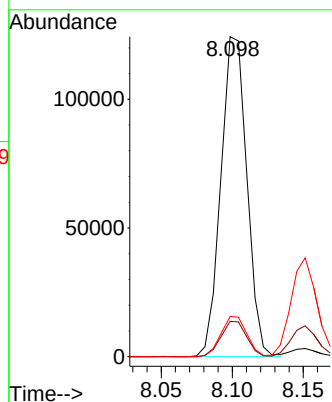
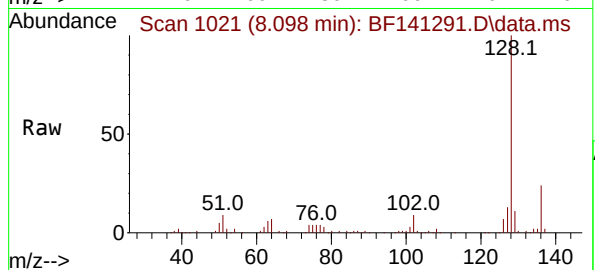
Tgt Ion:128 Resp: 158560

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 12.6 10.6 15.8



#32

Benzoic acid

Concen: 3.281 ng

RT: 7.793 min Scan# 969

Delta R.T. -0.053 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

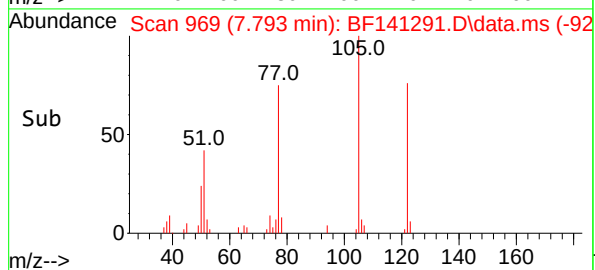
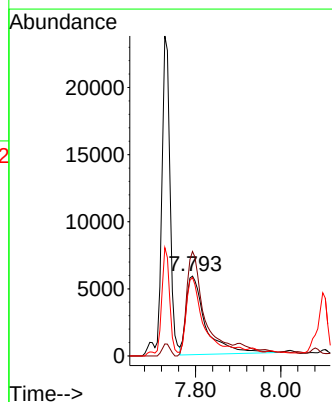
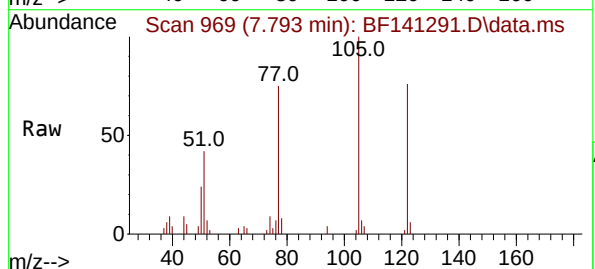
Tgt Ion:122 Resp: 18585

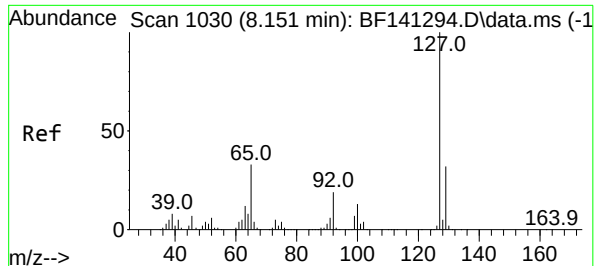
Ion Ratio Lower Upper

122 100

105 130.7 103.4 143.4

77 98.2 70.9 110.9





#33

4-Chloroaniline

Concen: 5.405 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 50760

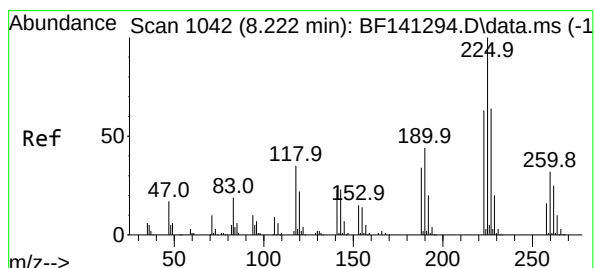
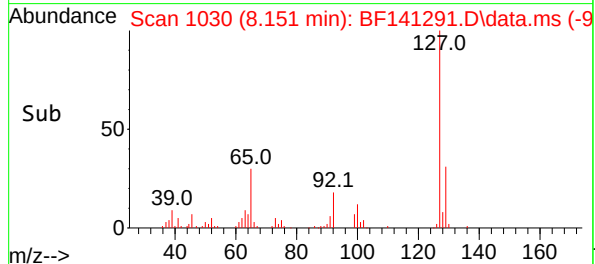
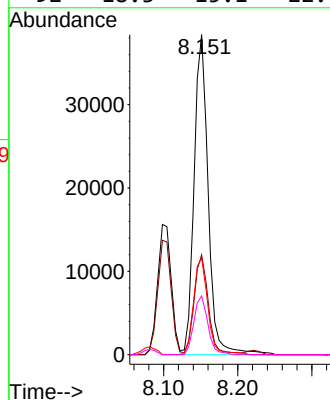
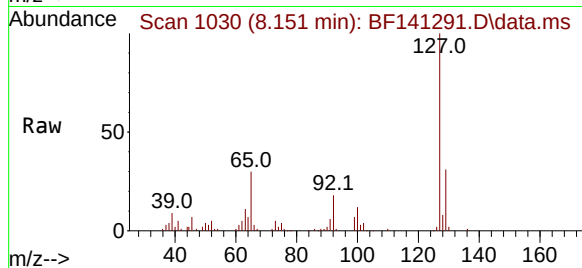
Ion Ratio Lower Upper

127 100

129 31.2 25.7 38.5

65 30.1 26.4 39.6

92 18.3 15.1 22.7



#34

Hexachlorobutadiene

Concen: 5.419 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

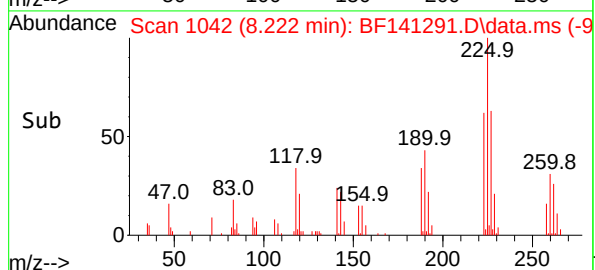
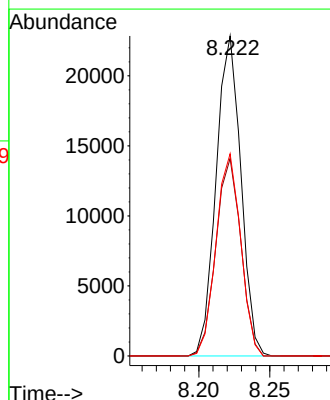
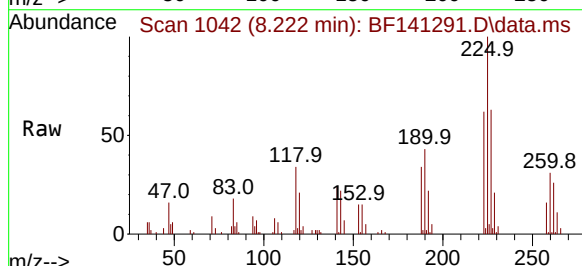
Tgt Ion:225 Resp: 27720

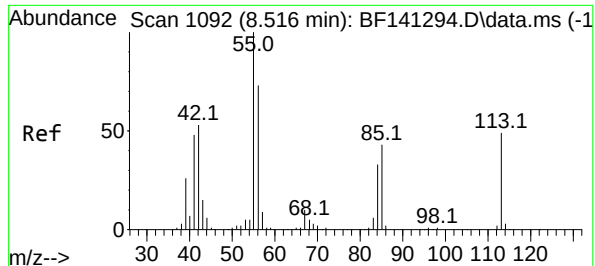
Ion Ratio Lower Upper

225 100

223 61.7 50.4 75.6

227 63.2 51.3 76.9





#35

Caprolactam

Concen: 5.204 ng

RT: 8.475 min Scan# 1108

Delta R.T. -0.041 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

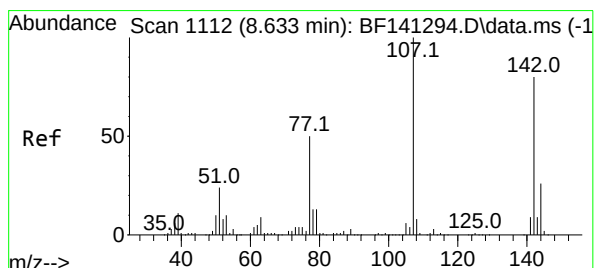
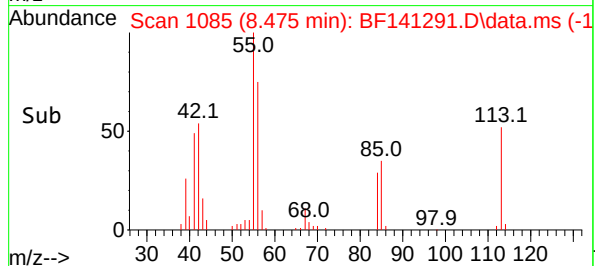
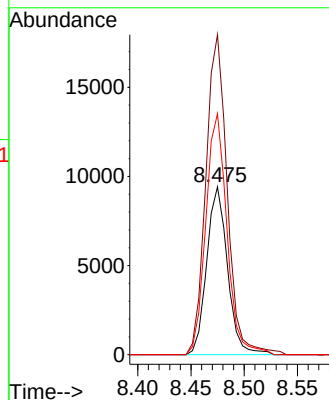
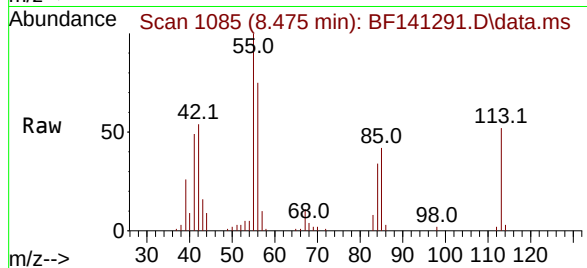
Tgt Ion:113 Resp: 12827

Ion Ratio Lower Upper

113 100

55 190.7 182.9 222.9

56 143.6 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 5.334 ng

RT: 8.622 min Scan# 1110

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

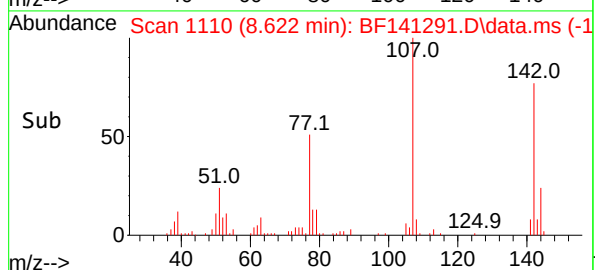
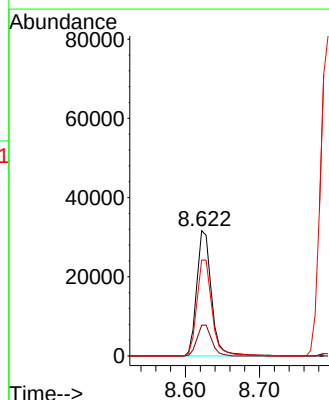
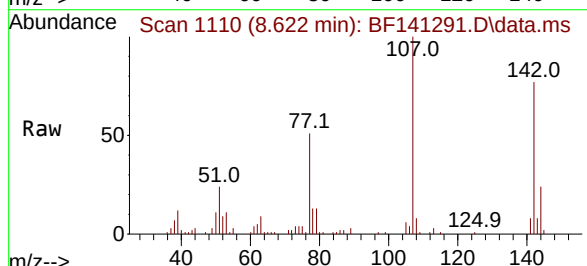
Tgt Ion:107 Resp: 43627

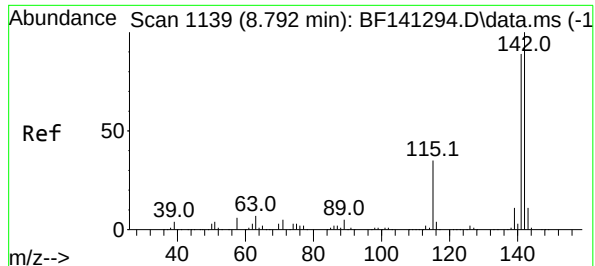
Ion Ratio Lower Upper

107 100

144 24.5 20.7 31.1

142 76.6 63.8 95.8





#37

2-Methylnaphthalene

Concen: 5.634 ng

RT: 8.793 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

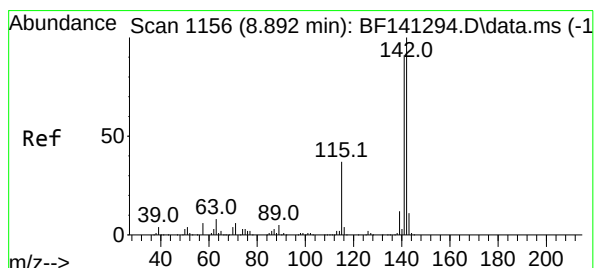
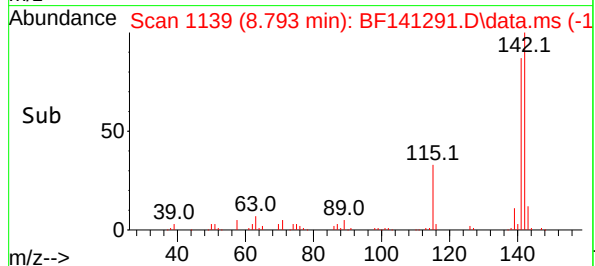
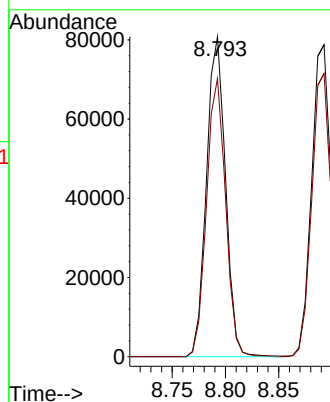
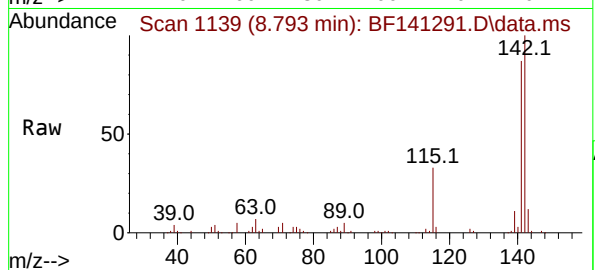
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion Ratio Lower Upper

142 100

141 86.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 5.767 ng

RT: 8.893 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141291.D

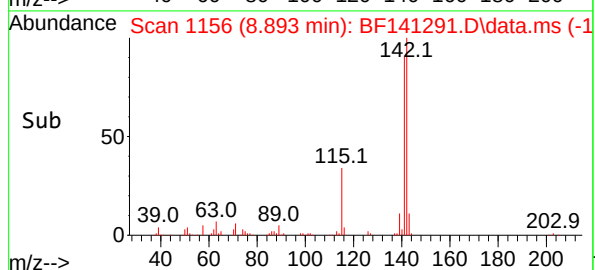
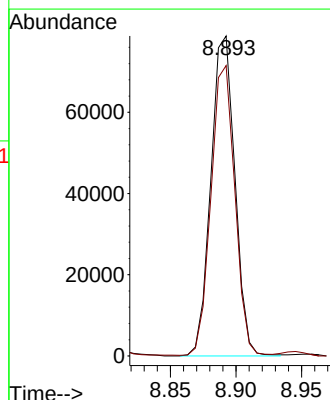
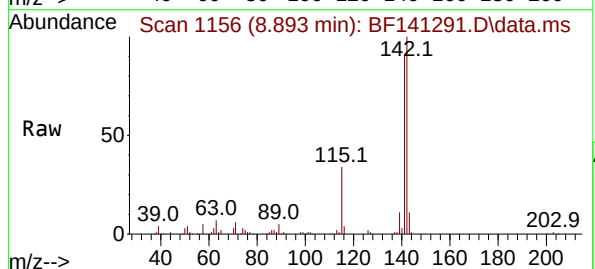
Acq: 29 Jan 2025 10:56

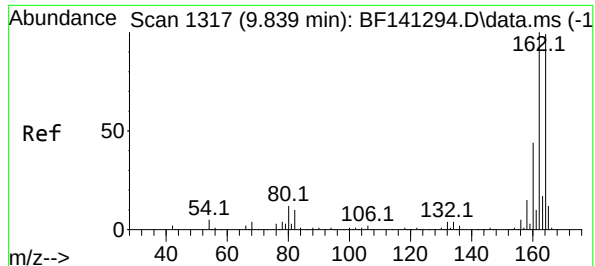
Tgt Ion:142 Resp: 100569

Ion Ratio Lower Upper

142 100

141 90.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

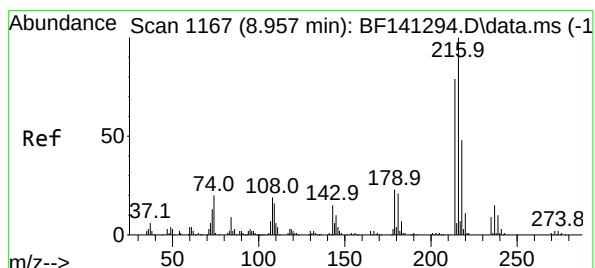
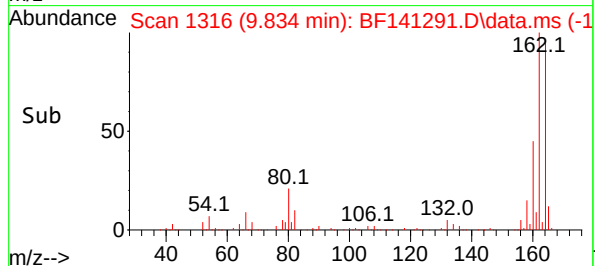
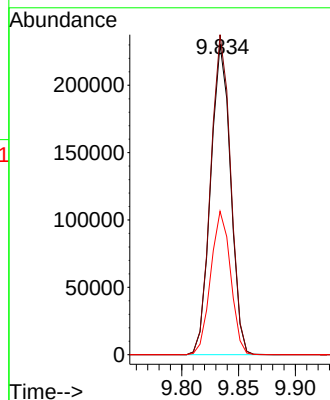
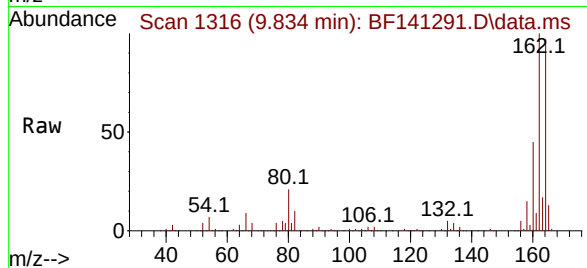
Tgt Ion:164 Resp: 281034

Ion Ratio Lower Upper

164 100

162 103.1 80.6 121.0

160 46.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.410 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

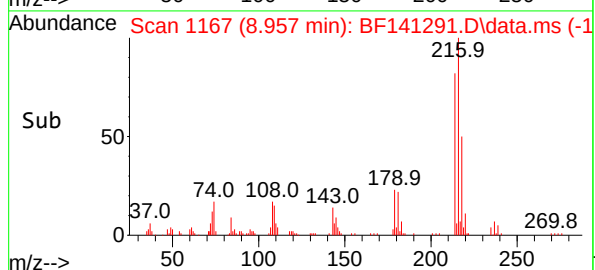
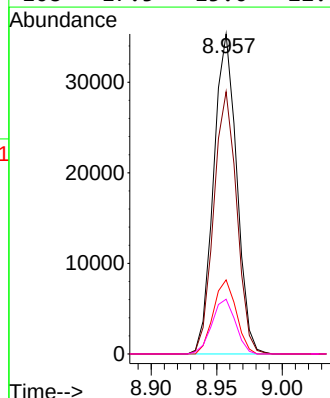
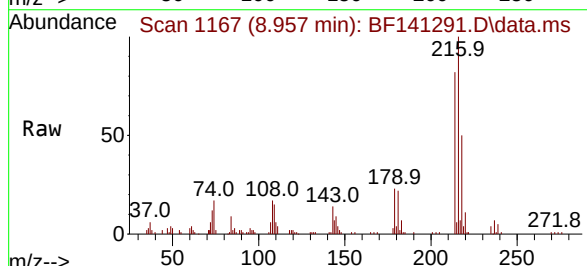
Ion Ratio Lower Upper

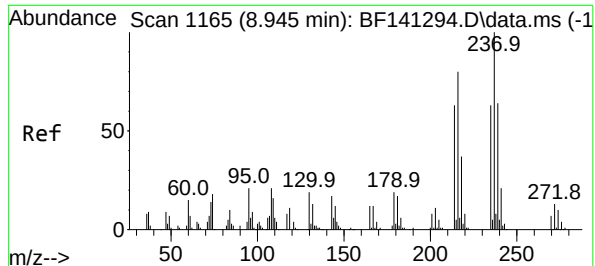
216 100

214 81.4 63.2 94.8

179 22.9 17.8 26.8

108 17.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 3.985 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

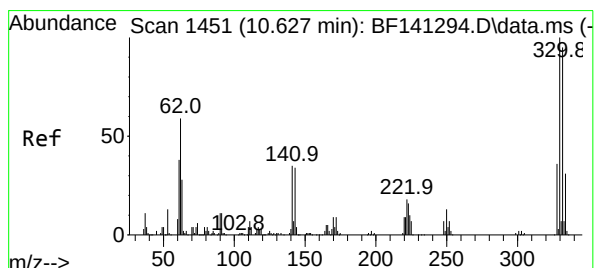
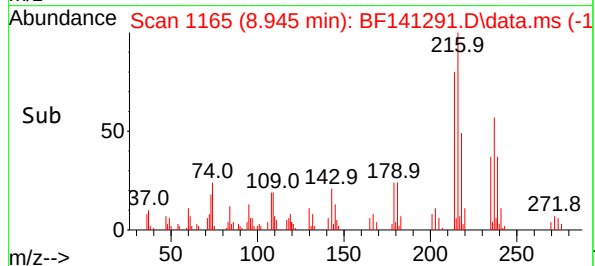
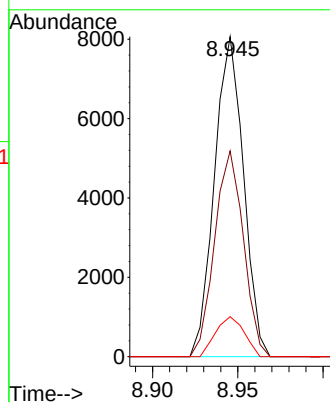
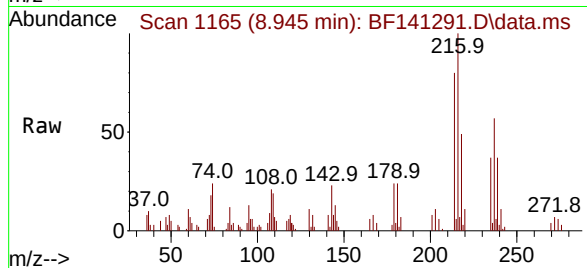
Tgt Ion:237 Resp: 9555

Ion Ratio Lower Upper

237 100

235 64.3 42.9 82.9

272 12.5 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 10.855 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

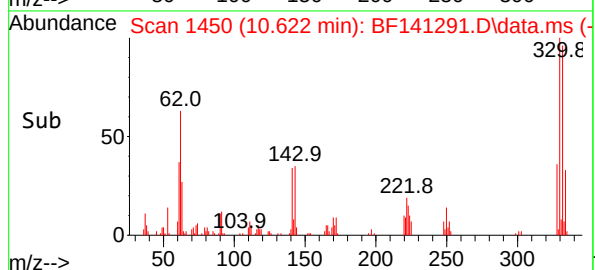
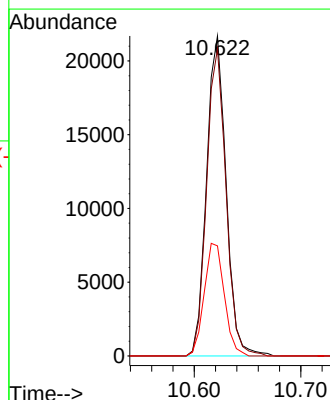
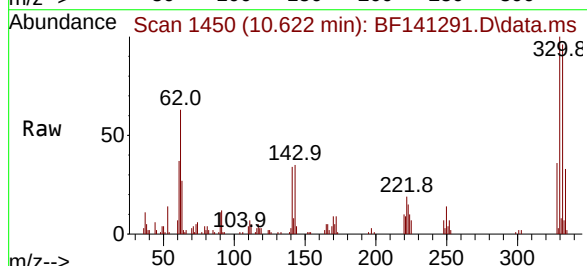
Tgt Ion:330 Resp: 27799

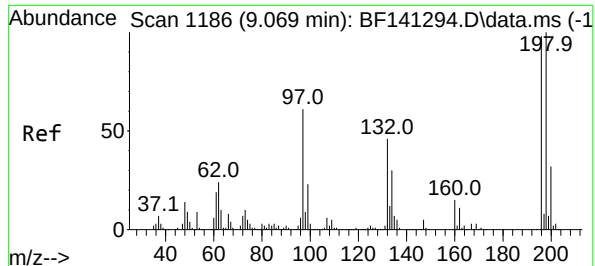
Ion Ratio Lower Upper

330 100

332 94.8 76.1 114.1

141 36.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 5.136 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

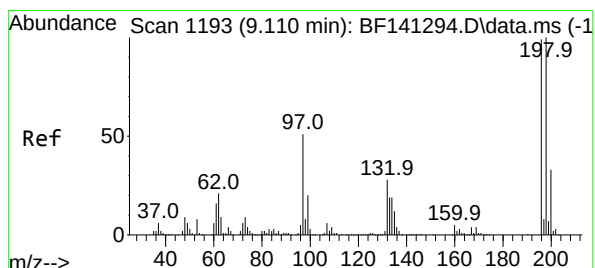
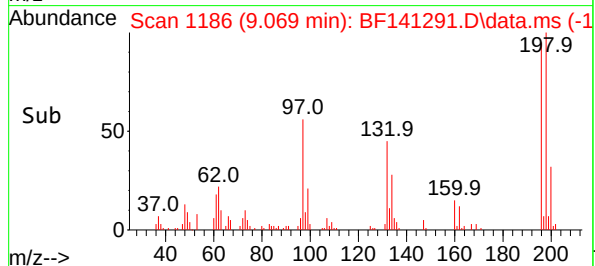
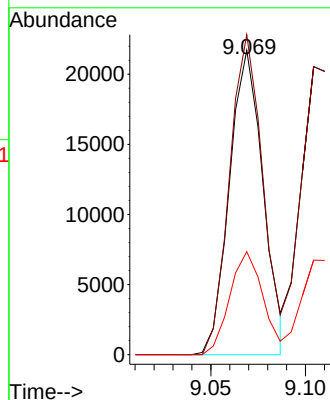
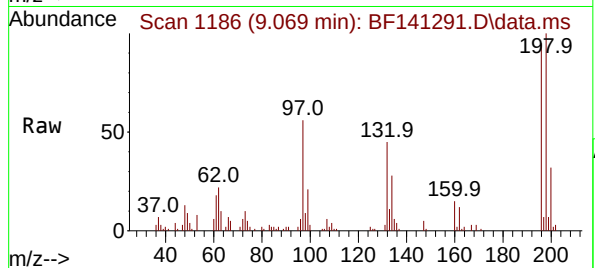
Tgt Ion:196 Resp: 26790

Ion Ratio Lower Upper

196 100

198 105.1 81.8 122.6

200 33.8 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 5.309 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

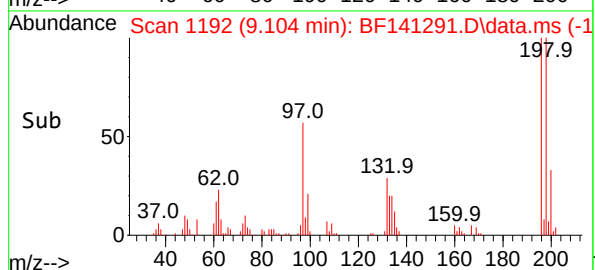
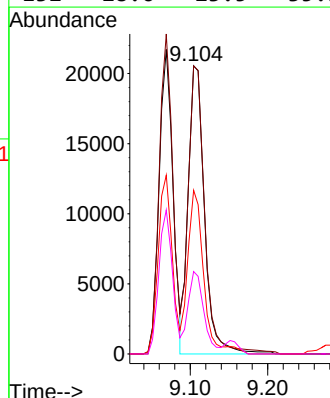
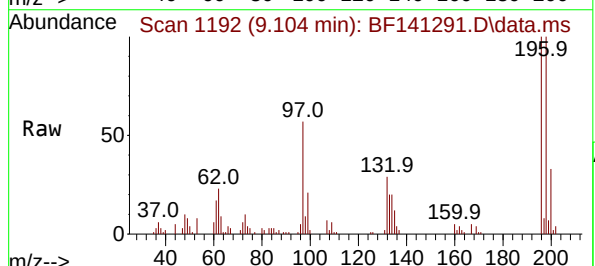
Ion Ratio Lower Upper

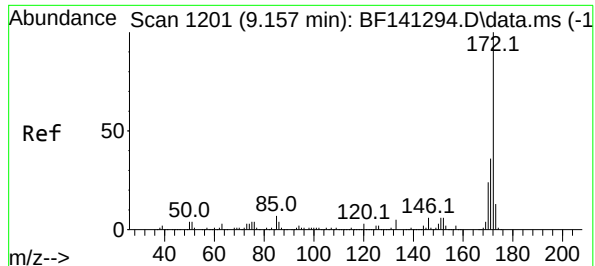
196 100

198 100.0 80.5 120.7

97 56.8 42.8 64.2

132 28.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 12.320 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

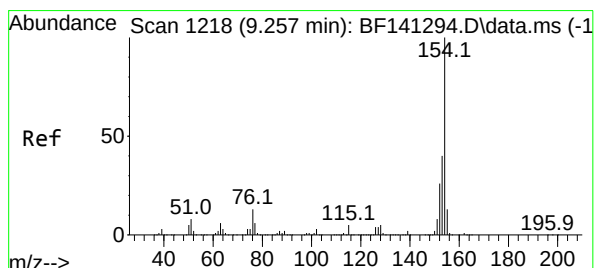
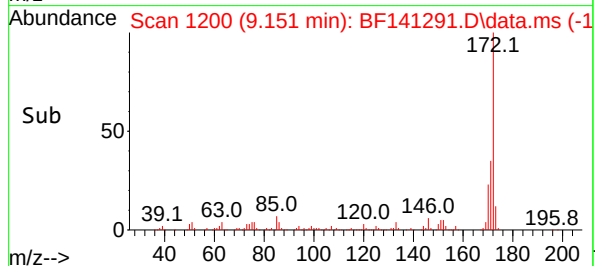
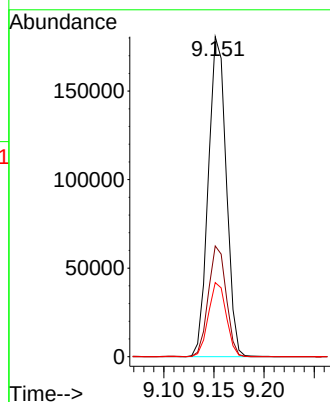
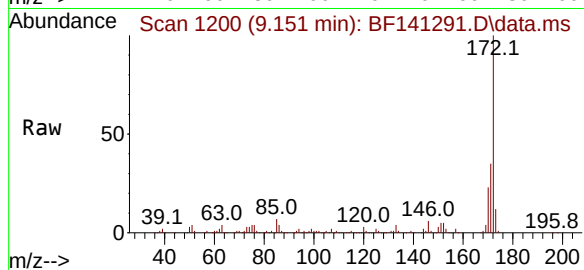
Tgt Ion:172 Resp: 224446

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.801 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

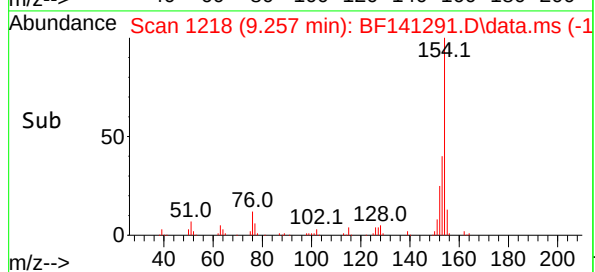
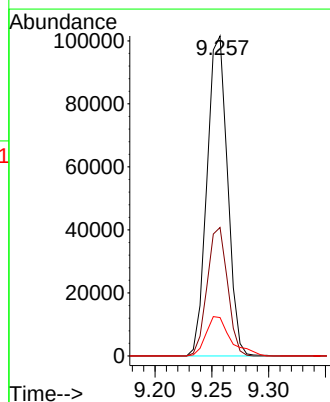
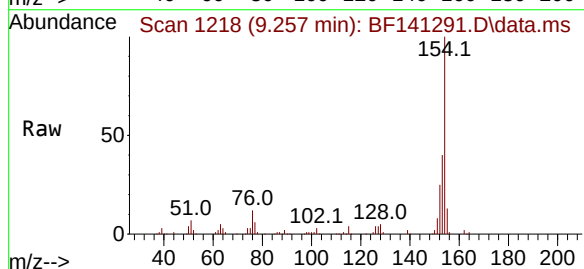
Tgt Ion:154 Resp: 127187

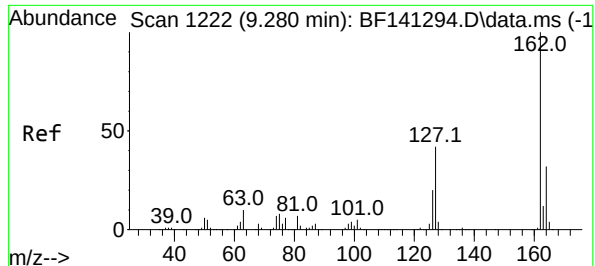
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.760 ng

RT: 9.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141291.D

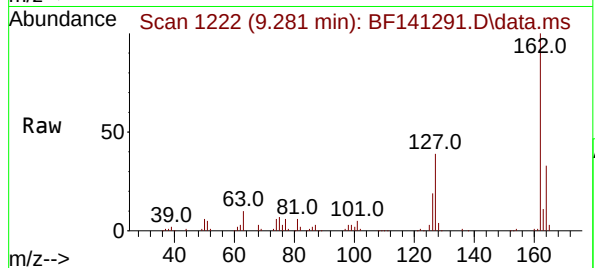
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



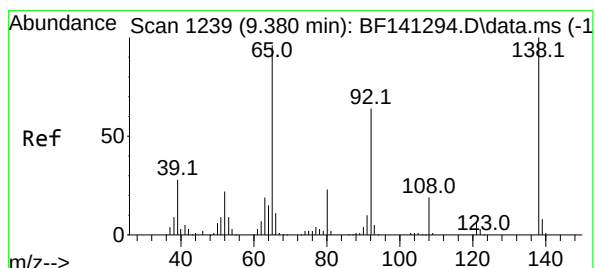
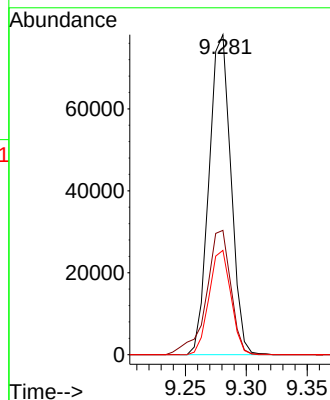
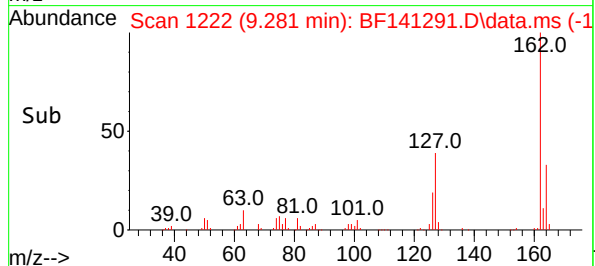
Tgt Ion:162 Resp: 98081

Ion Ratio Lower Upper

162 100

127 38.8 33.7 50.5

164 32.6 25.9 38.9



#48

2-Nitroaniline

Concen: 5.056 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

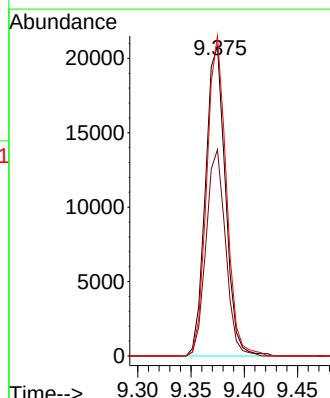
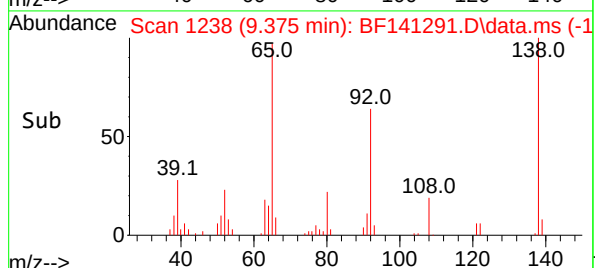
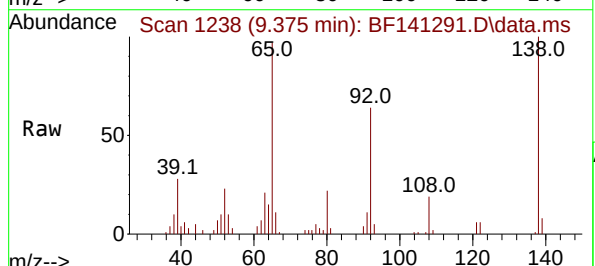
Tgt Ion: 65 Resp: 27154

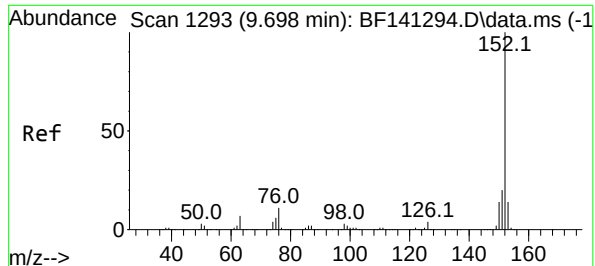
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 103.3 83.6 125.4





#49

Acenaphthylene

Concen: 5.643 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

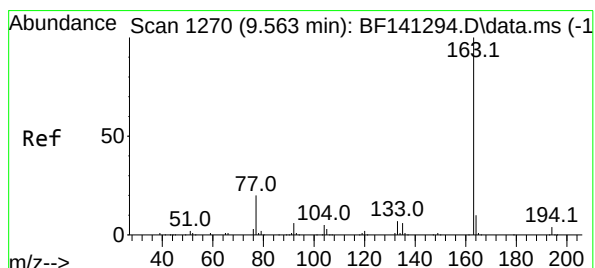
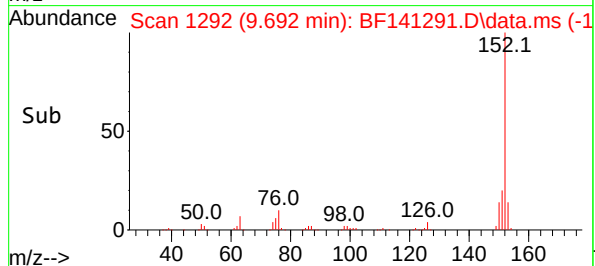
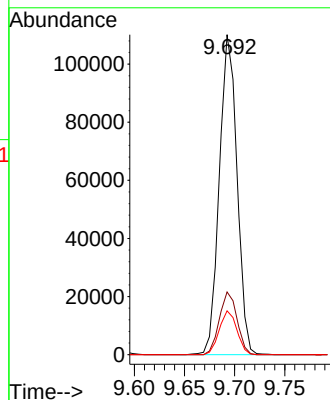
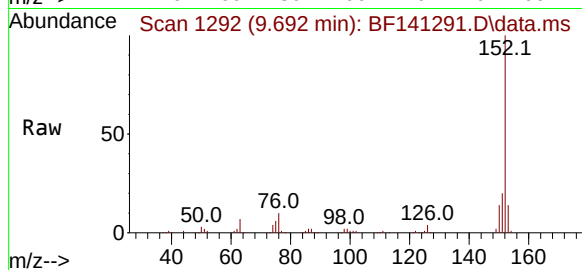
Tgt Ion:152 Resp: 134958

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 13.7 11.0 16.6



#50

Dimethylphthalate

Concen: 5.584 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

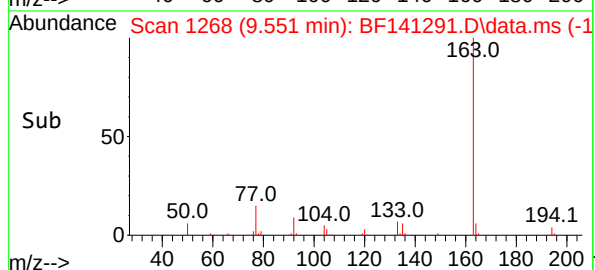
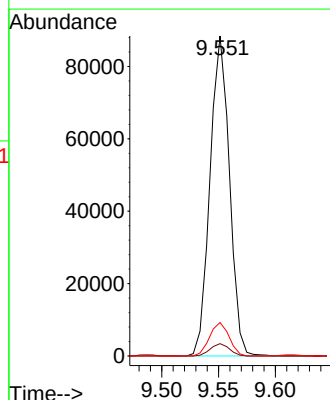
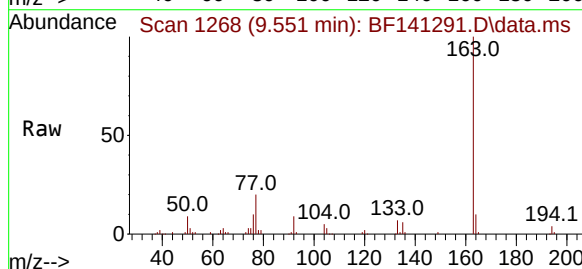
Tgt Ion:163 Resp: 105240

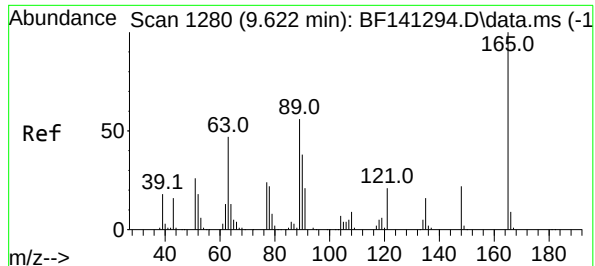
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.329 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

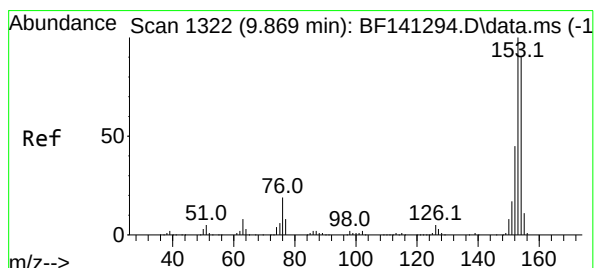
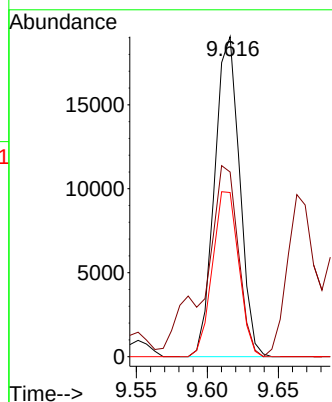
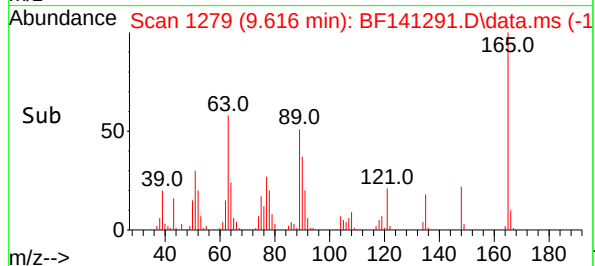
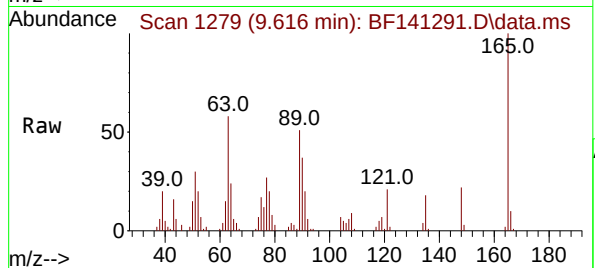
Tgt Ion:165 Resp: 23372

Ion Ratio Lower Upper

165 100

63 57.7 48.1 72.1

89 51.3 44.9 67.3



#52

Acenaphthene

Concen: 5.617 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

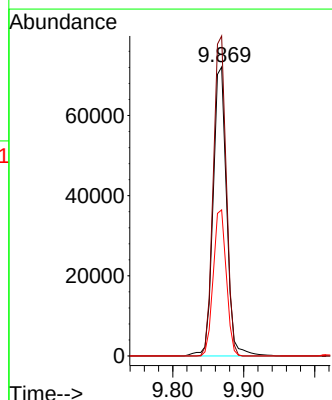
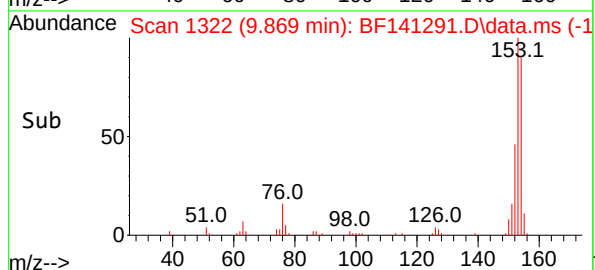
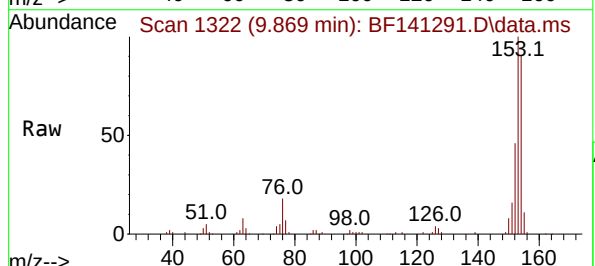
Tgt Ion:154 Resp: 95591

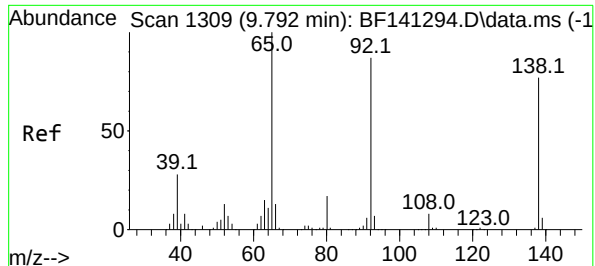
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.4

152 50.6 40.2 60.4





#53

3-Nitroaniline

Concen: 5.206 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

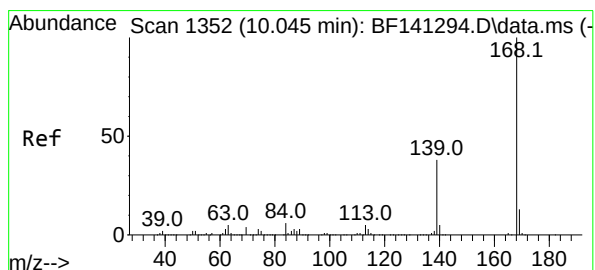
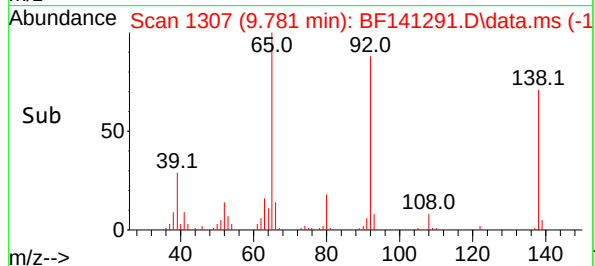
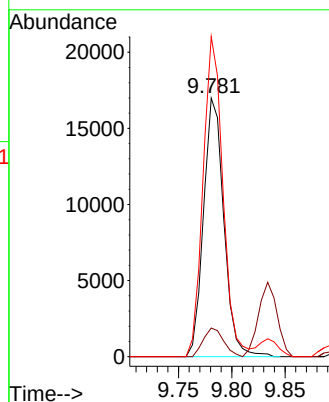
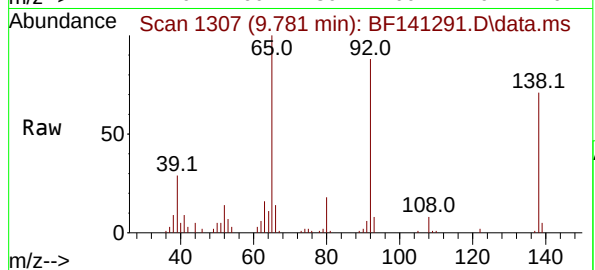
Tgt Ion:138 Resp: 22582

Ion Ratio Lower Upper

138 100

108 11.1 8.6 12.8

92 123.7 91.0 136.6



#55

Dibenzofuran

Concen: 5.769 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

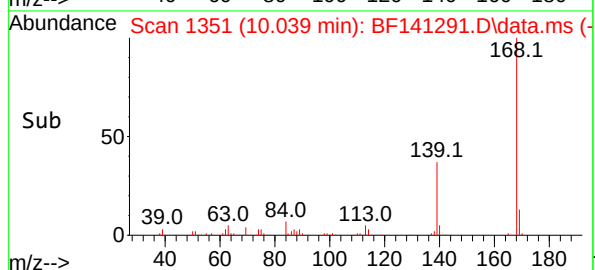
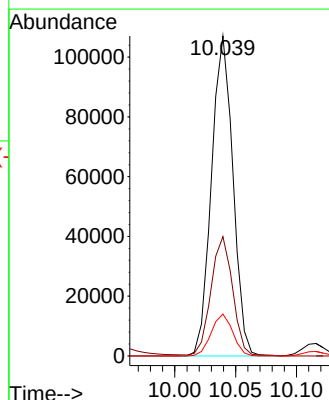
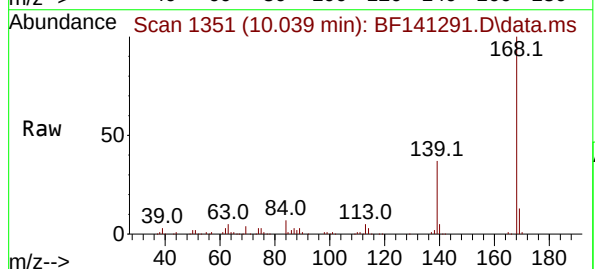
Tgt Ion:168 Resp: 131288

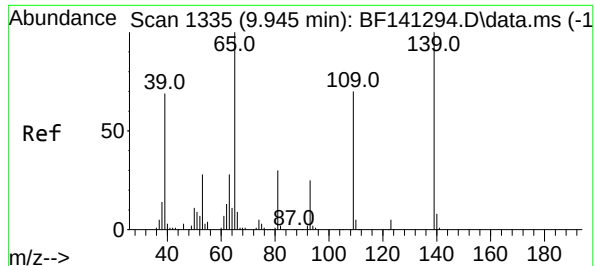
Ion Ratio Lower Upper

168 100

139 37.3 30.6 46.0

169 13.1 10.8 16.2





#56

4-Nitrophenol

Concen: 4.226 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

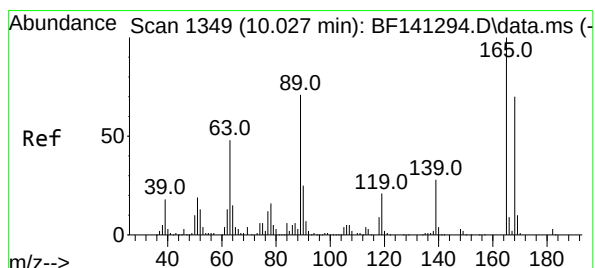
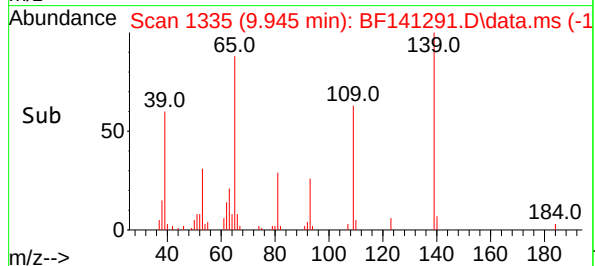
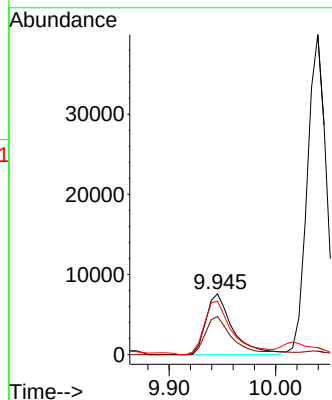
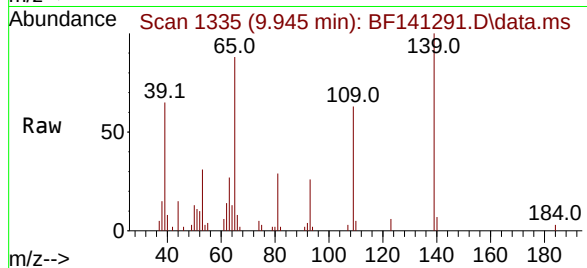
Tgt Ion:139 Resp: 13160

Ion Ratio Lower Upper

139 100

109 62.7 50.2 90.2

65 88.2 80.6 120.6



#57

2,4-Dinitrotoluene

Concen: 5.268 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

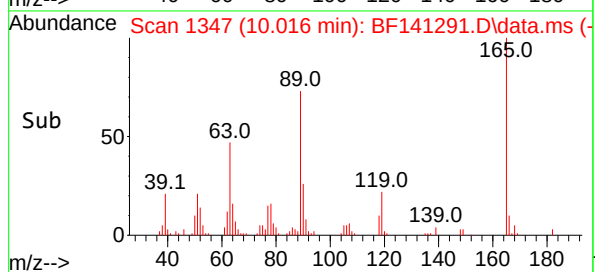
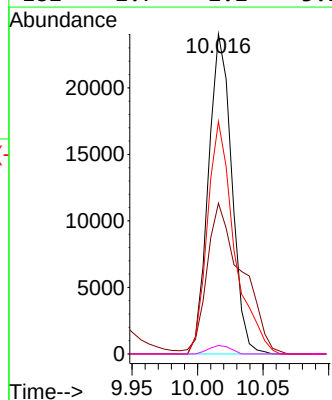
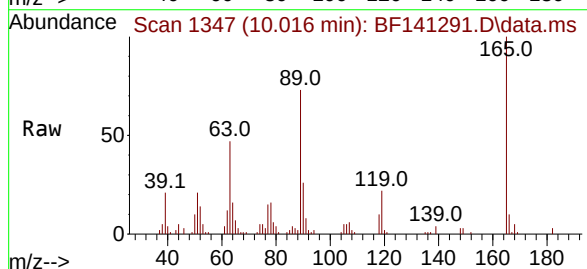
Ion Ratio Lower Upper

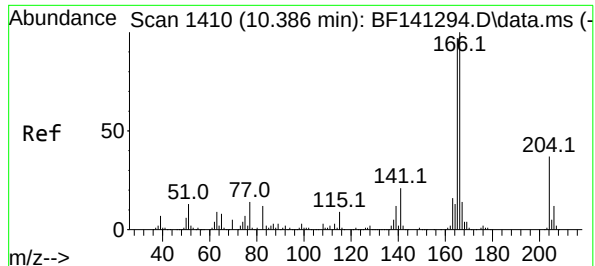
165 100

63 47.1 39.2 58.8

89 72.7 56.9 85.3

182 2.7 2.2 3.2





#58

Fluorene

Concen: 6.002 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

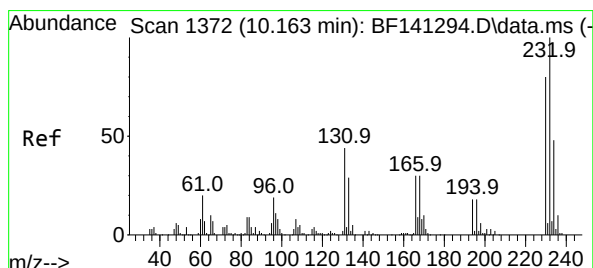
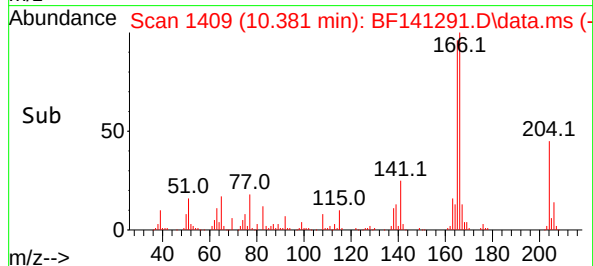
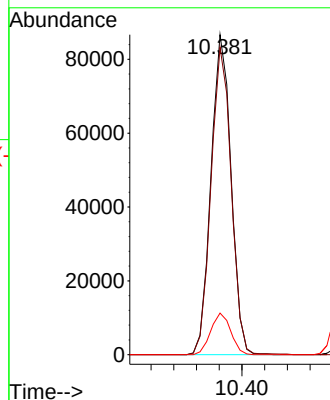
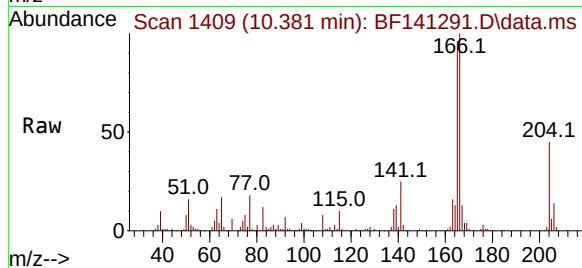
Tgt Ion:166 Resp: 106198

Ion Ratio Lower Upper

166 100

165 96.0 77.5 116.3

167 13.0 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.090 ng

RT: 10.157 min Scan# 1371

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

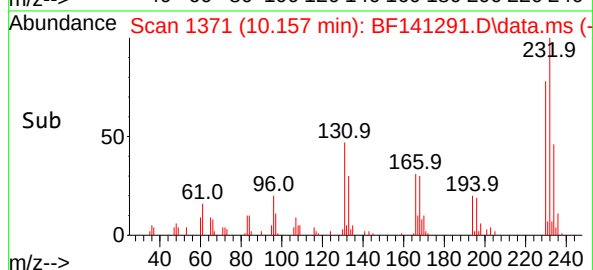
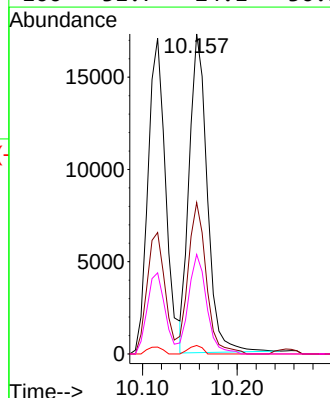
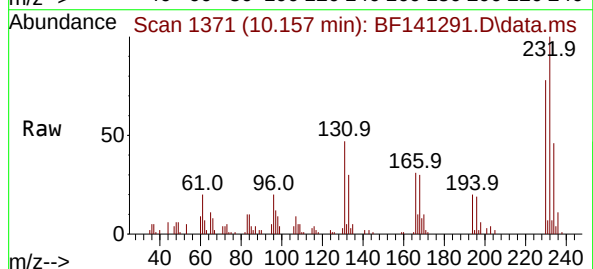
Ion Ratio Lower Upper

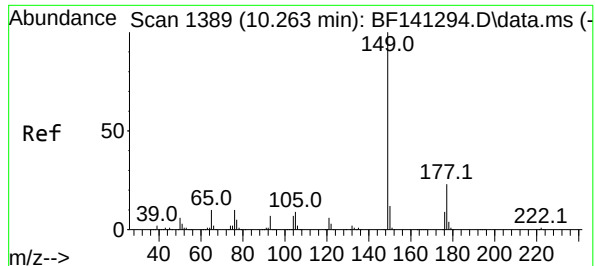
232 100

131 48.3 36.4 54.6

130 2.1 1.9 2.9

166 31.7 24.1 36.1





#60

Diethylphthalate

Concen: 5.660 ng

RT: 10.251 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

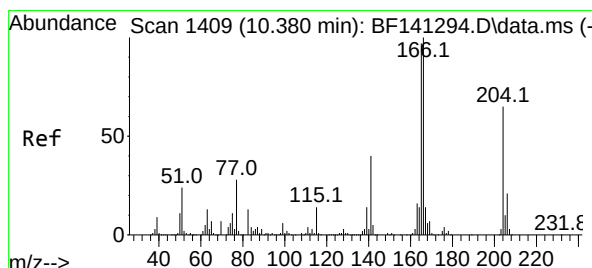
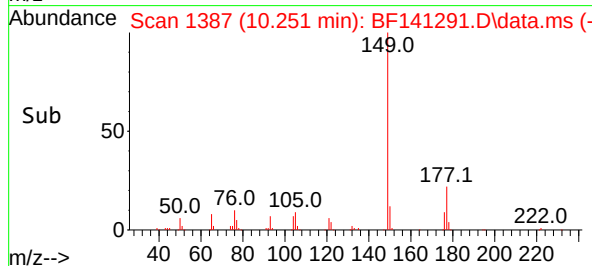
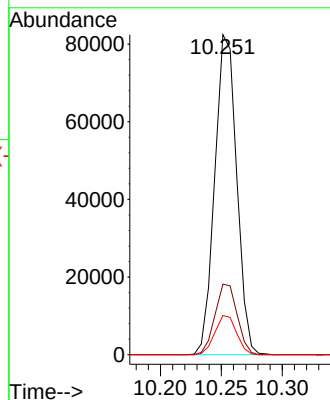
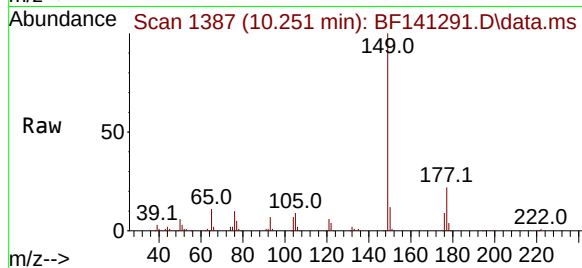
Tgt Ion:149 Resp: 103307

Ion Ratio Lower Upper

149 100

177 22.1 18.5 27.7

150 12.3 10.0 15.0



#61

4-Chlorophenyl-phenylether

Concen: 6.007 ng

RT: 10.375 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

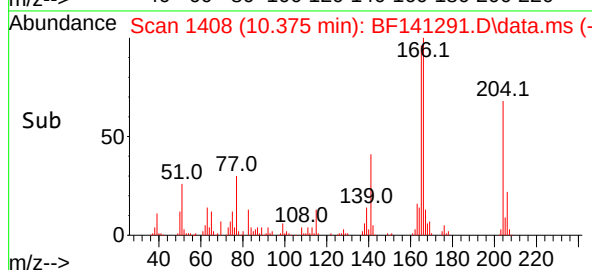
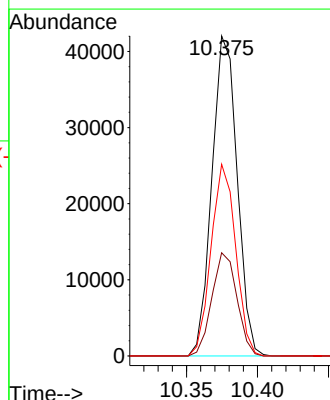
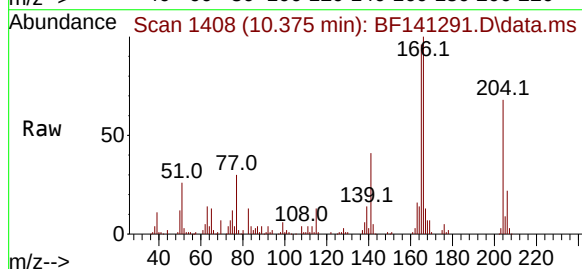
Tgt Ion:204 Resp: 51875

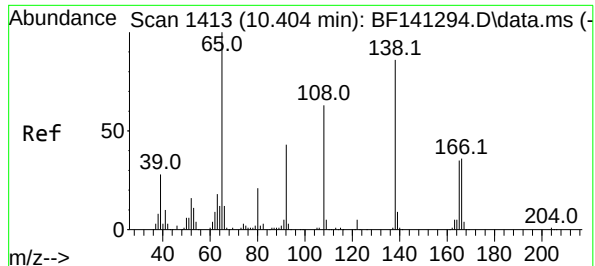
Ion Ratio Lower Upper

204 100

206 32.3 25.9 38.9

141 59.9 49.5 74.3

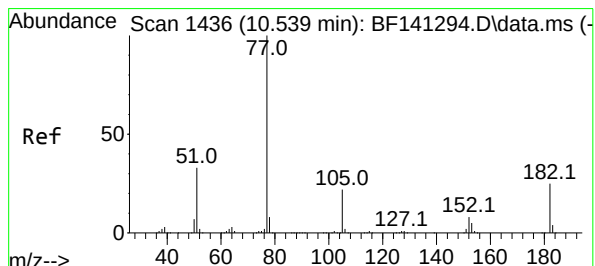
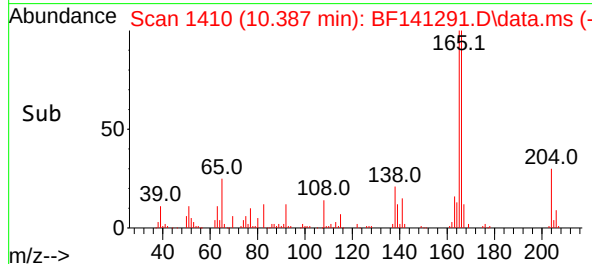
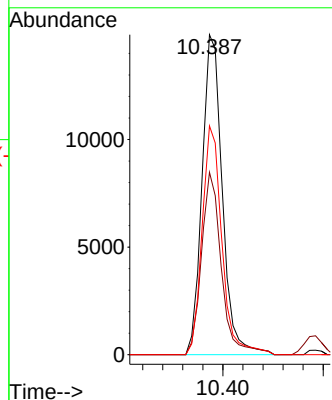
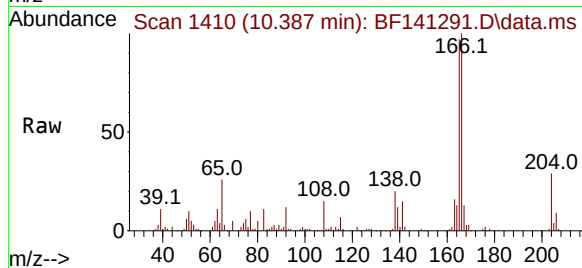




#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

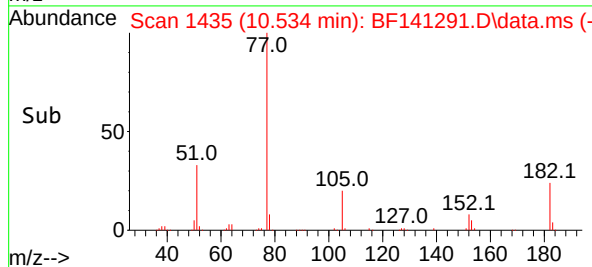
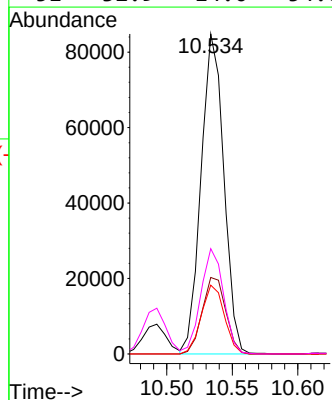
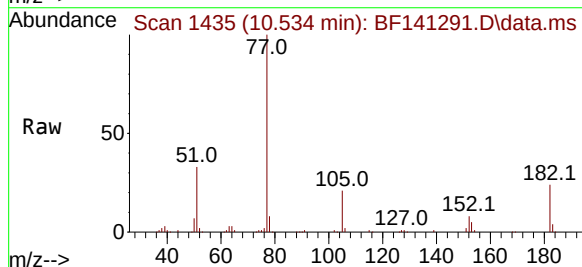
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

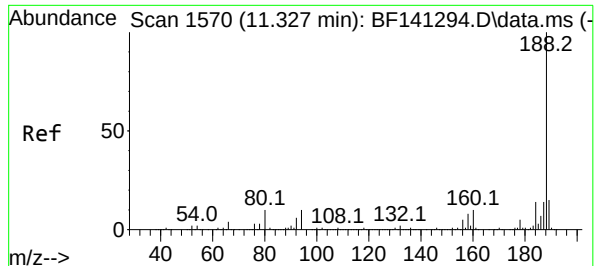
Tgt Ion:138 Resp: 20870
Ion Ratio Lower Upper
138 100
92 57.0 30.1 70.1
108 71.5 53.1 93.1



#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878
Ion Ratio Lower Upper
77 100
182 23.9 5.1 45.1
105 21.5 1.8 41.8
51 32.9 14.0 54.0

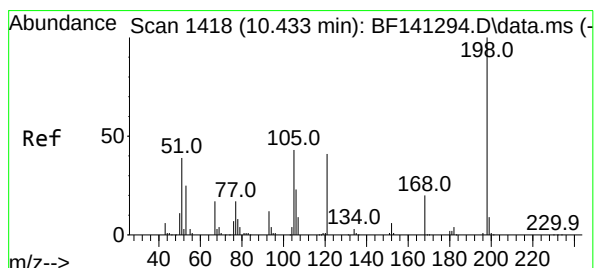
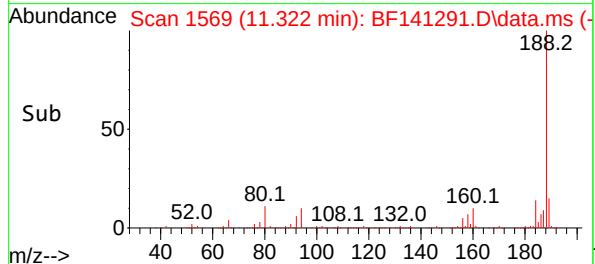
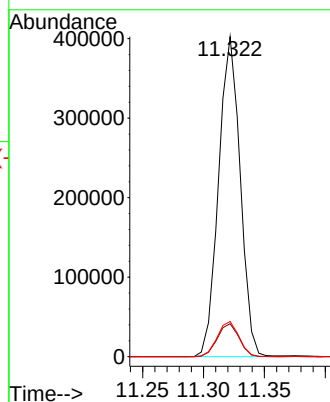
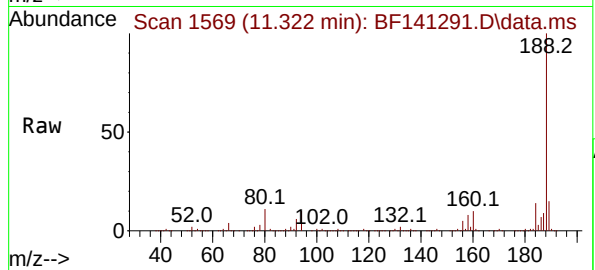




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

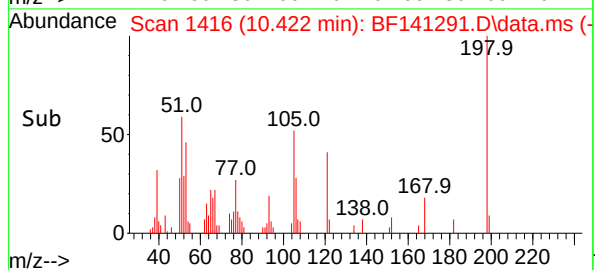
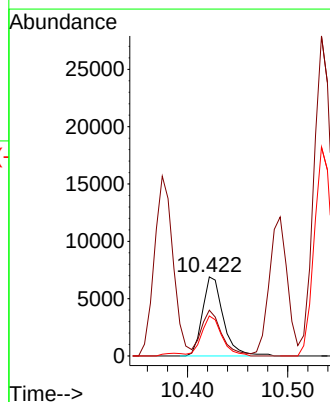
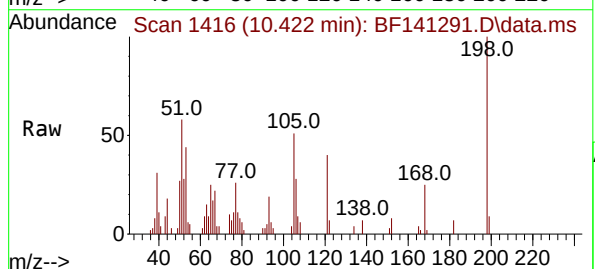
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

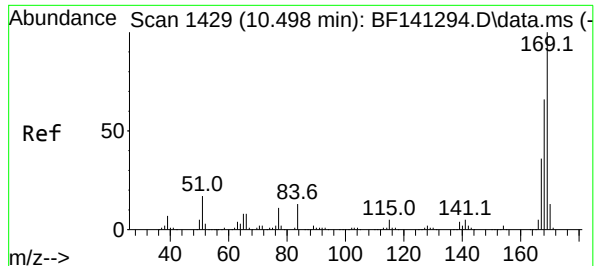
Tgt Ion:188 Resp: 497368
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960
Ion Ratio Lower Upper
198 100
51 57.8 33.4 73.4
105 50.6 24.4 64.4





#66

n-Nitrosodiphenylamine

Concen: 5.523 ng

RT: 10.492 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

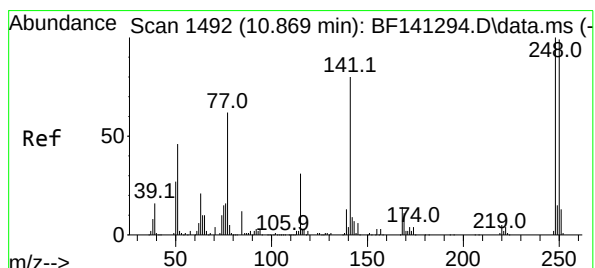
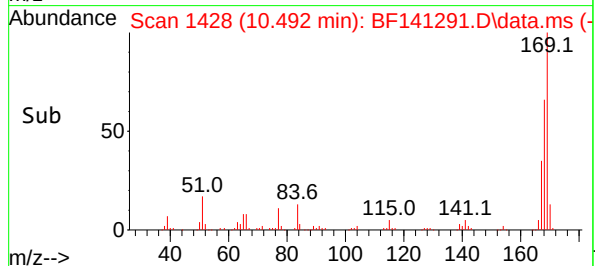
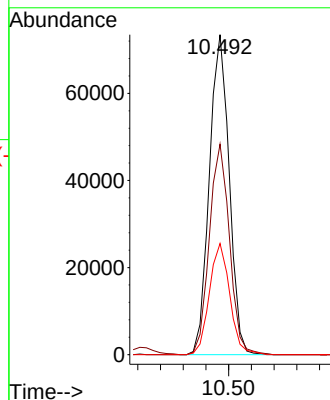
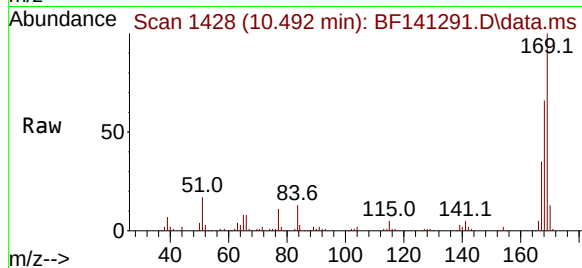
Tgt Ion:169 Resp: 89060

Ion Ratio Lower Upper

169 100

168 65.8 53.0 79.4

167 34.7 28.8 43.2



#67

4-Bromophenyl-phenylether

Concen: 5.245 ng

RT: 10.869 min Scan# 1492

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

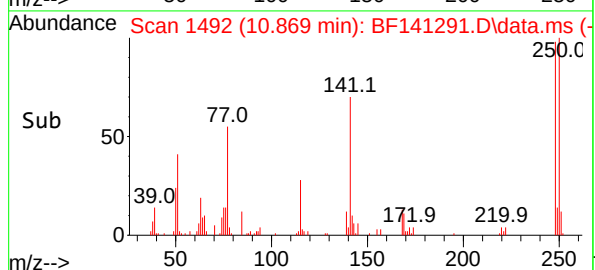
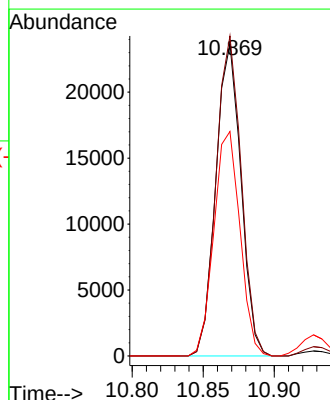
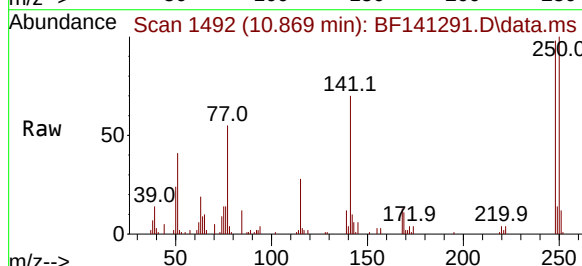
Tgt Ion:248 Resp: 29160

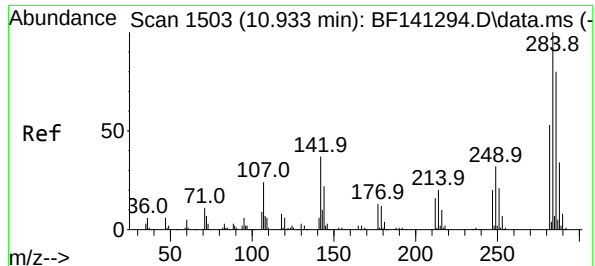
Ion Ratio Lower Upper

248 100

250 102.5 79.0 118.4

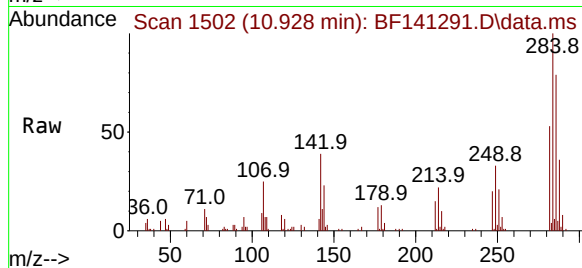
141 71.9 63.7 95.5



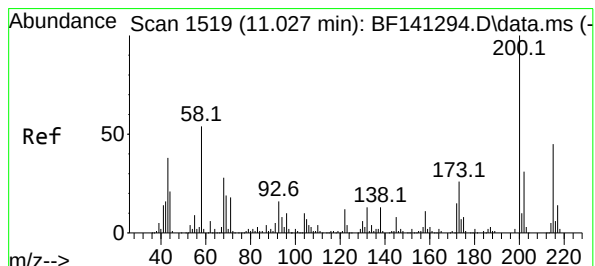
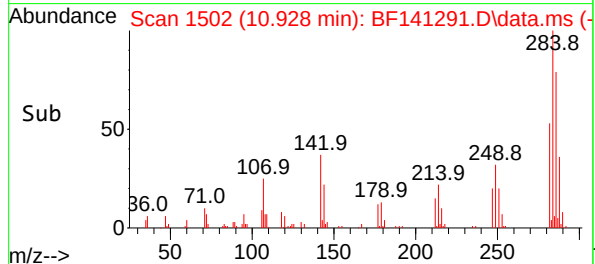
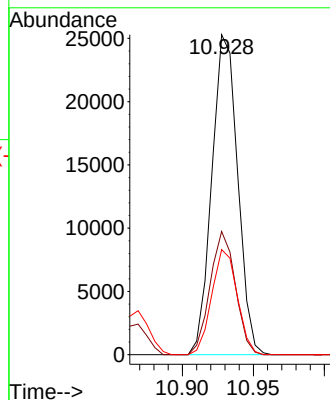


#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

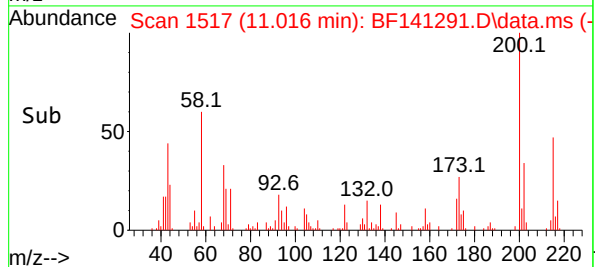
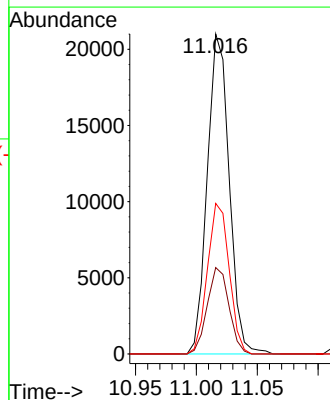
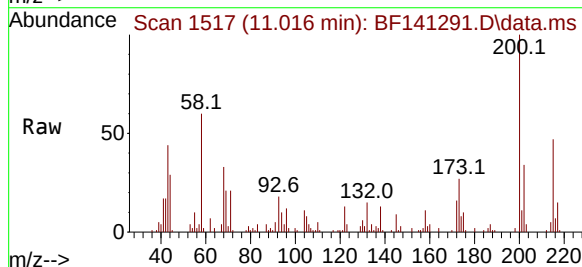


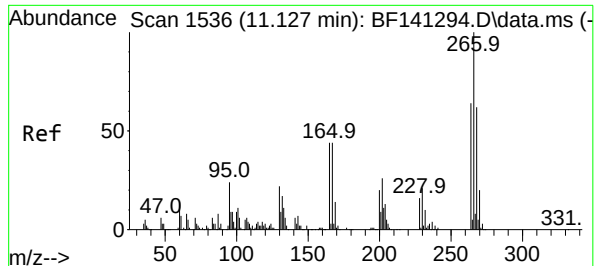
Tgt Ion:284 Resp: 31990
Ion Ratio Lower Upper
284 100
142 38.5 29.5 44.3
249 32.8 25.4 38.2



#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258
Ion Ratio Lower Upper
200 100
173 27.0 5.9 45.9
215 47.0 25.2 65.2





#70

Pentachlorophenol

Concen: 4.027 ng

RT: 11.128 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

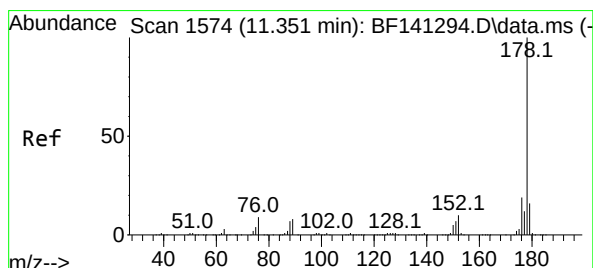
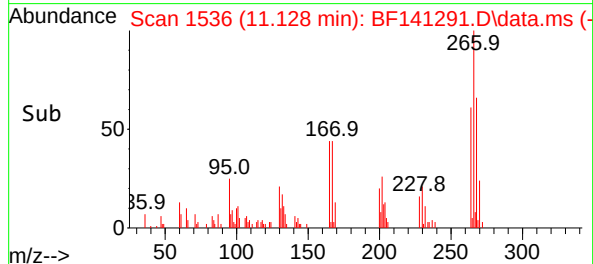
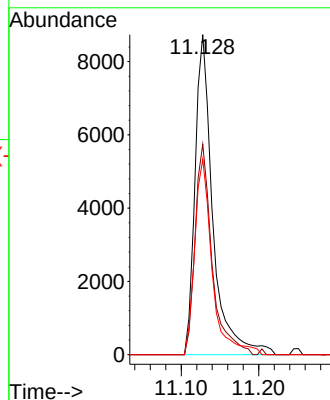
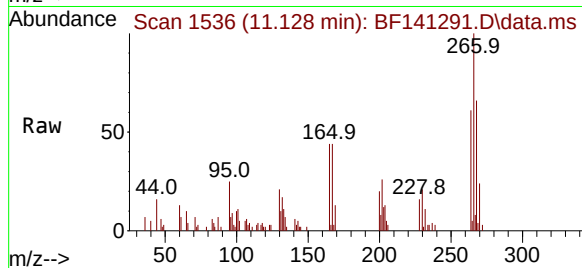
Tgt Ion:266 Resp: 13924

Ion Ratio Lower Upper

266 100

268 65.7 49.9 74.9

264 61.1 51.0 76.4



#71

Phenanthrene

Concen: 5.738 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

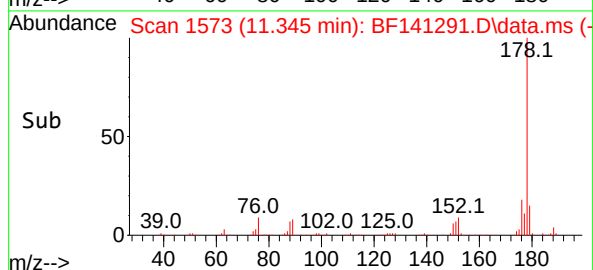
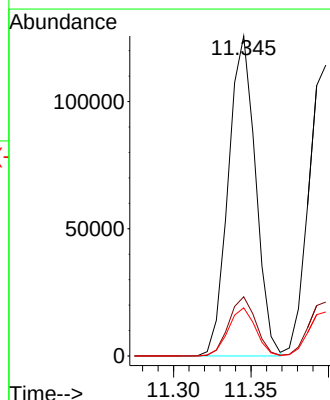
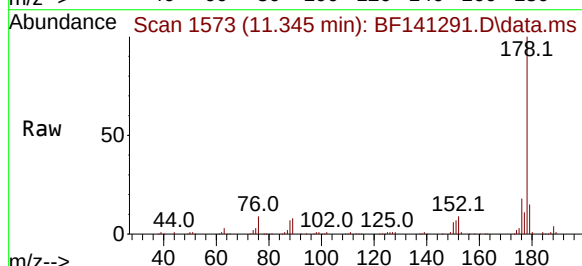
Tgt Ion:178 Resp: 153320

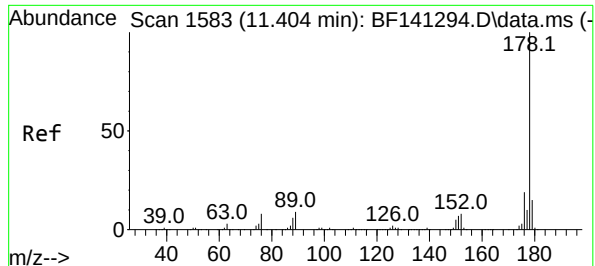
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.0 12.5 18.7

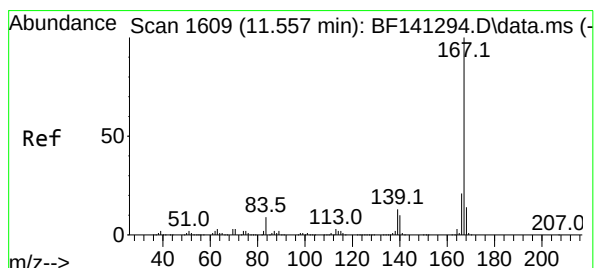
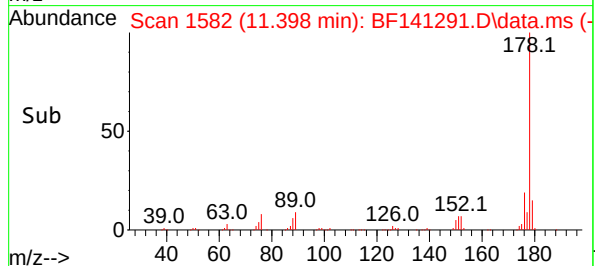
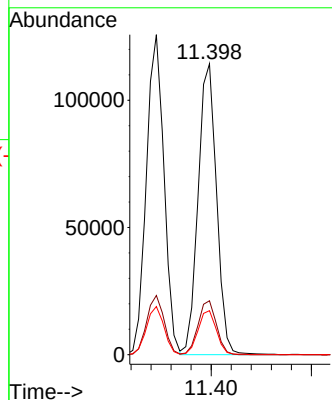
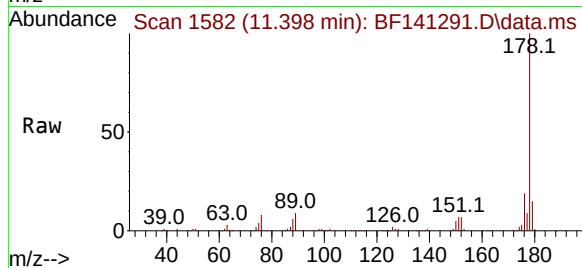




#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

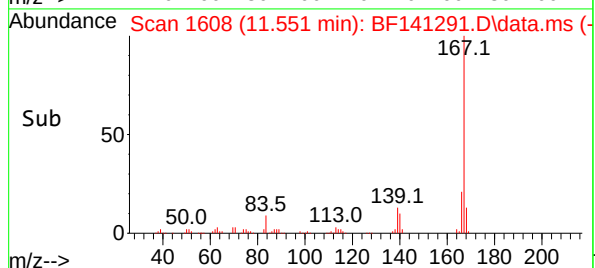
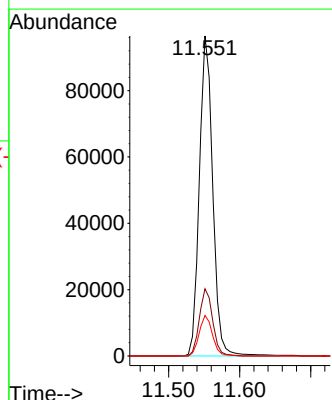
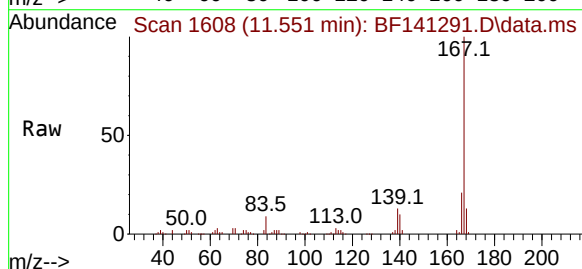
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

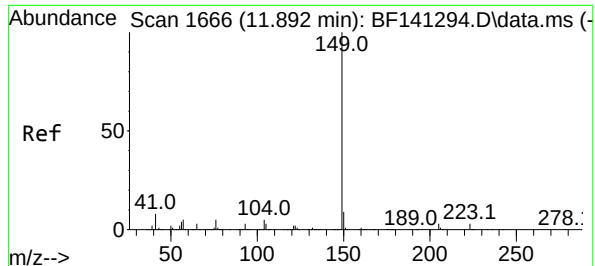
Tgt Ion:178 Resp: 146593
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.3 18.5



#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.6 10.6 16.0

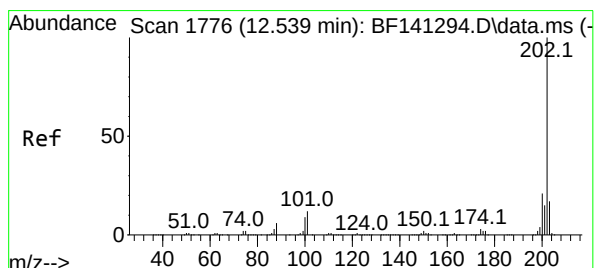
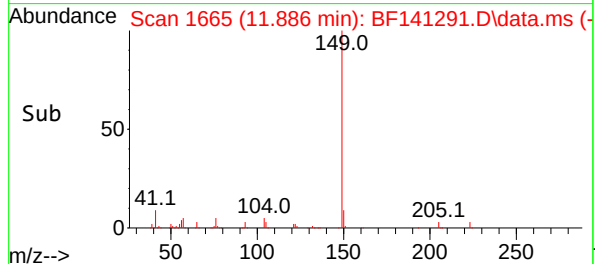
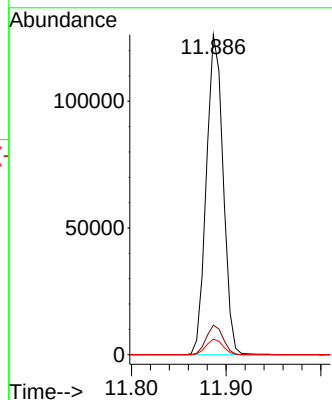
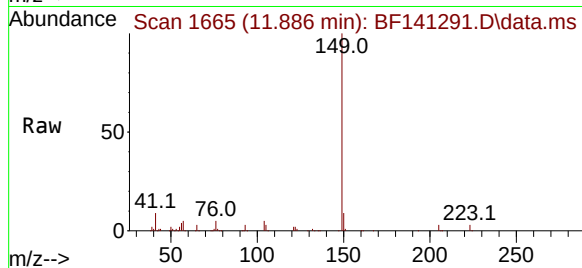




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

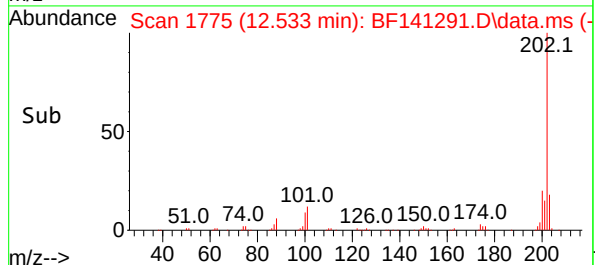
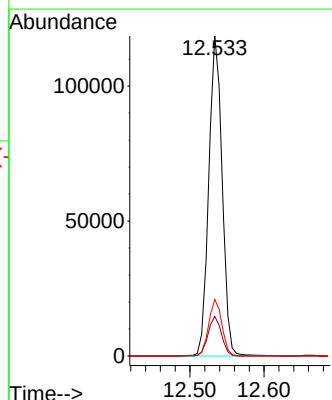
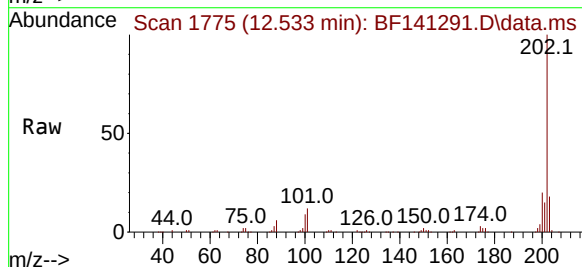
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

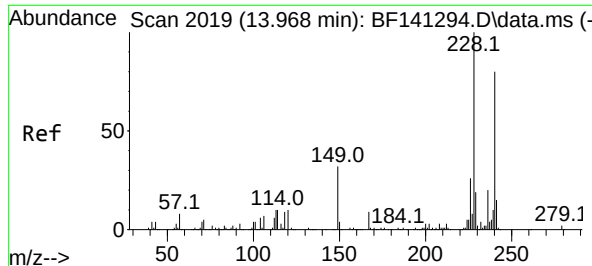
Tgt Ion:149 Resp: 154718
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9



#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.6 0.0 37.5

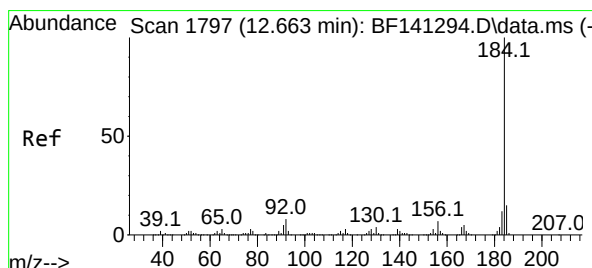
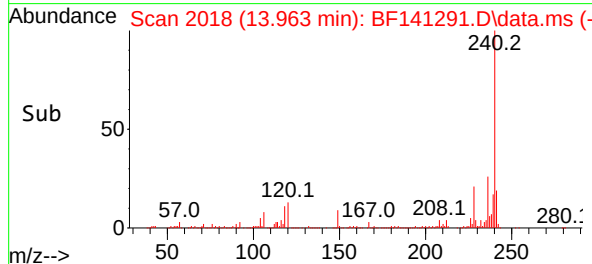
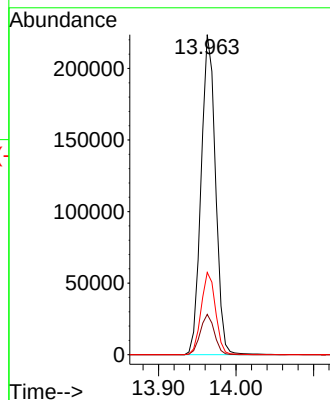
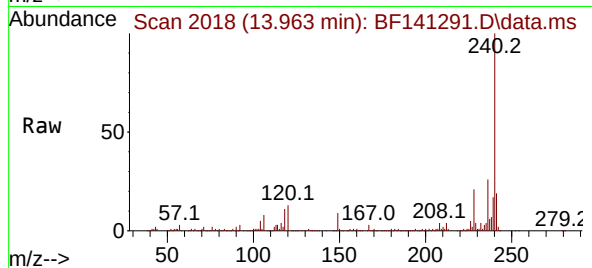




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

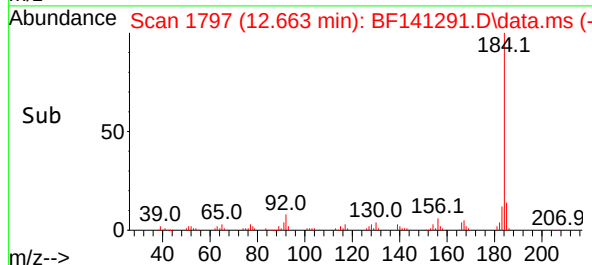
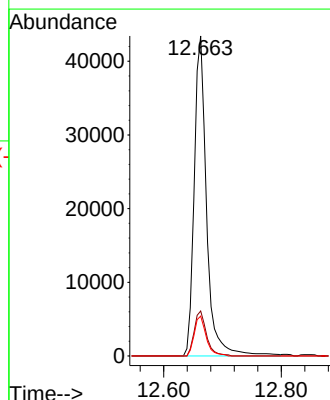
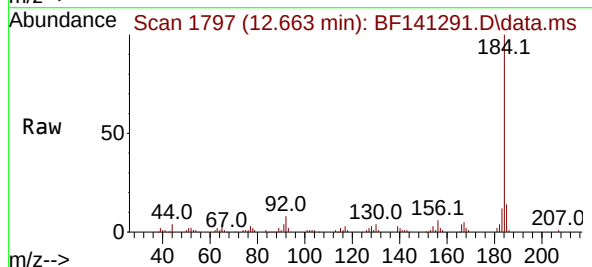
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

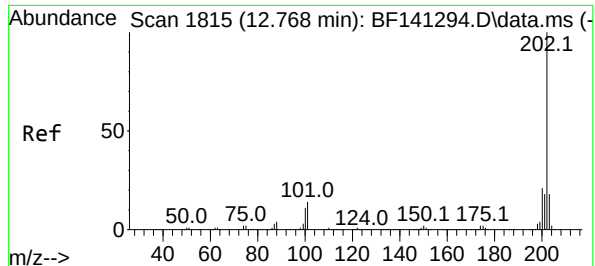
Tgt Ion:240 Resp: 288657
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.7 19.7 29.5



#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 12.4 9.5 14.3

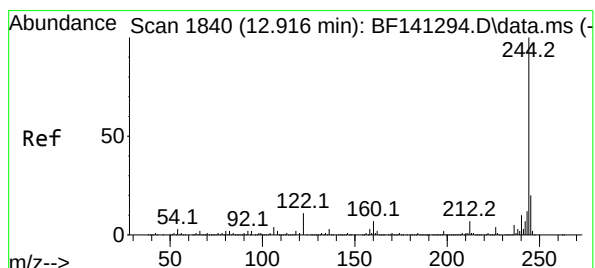
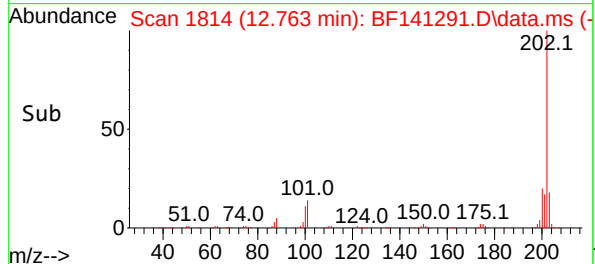
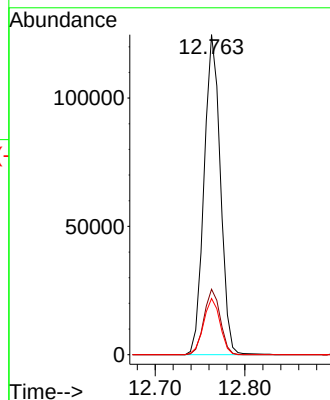
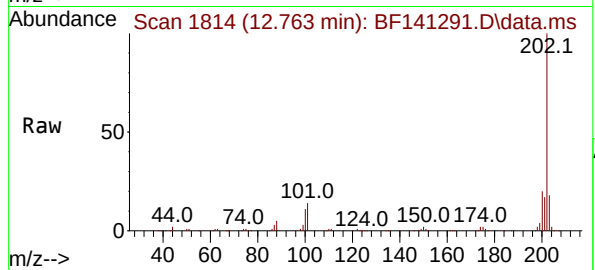




#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

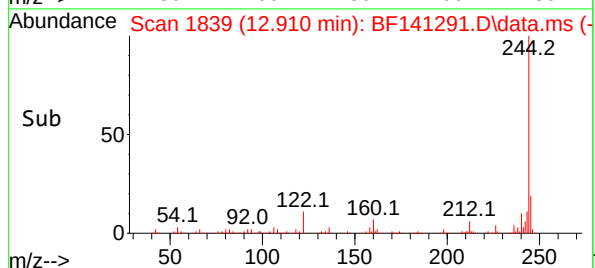
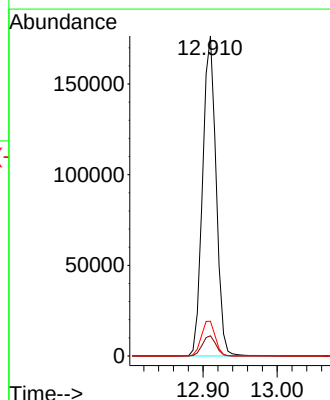
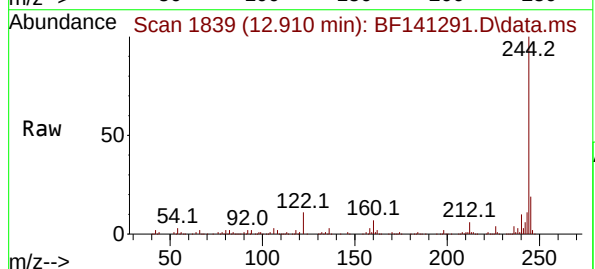
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

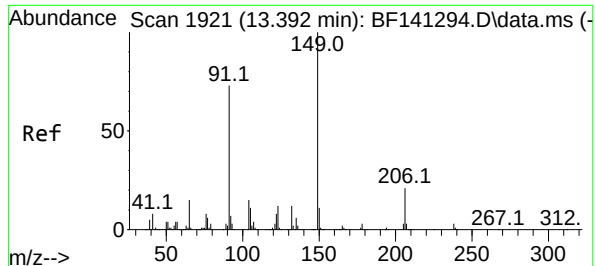
Tgt Ion:202 Resp: 157175
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.6 14.3 21.5



#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 10.9 8.8 13.2





#80

Butylbenzylphthalate

Concen: 5.140 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

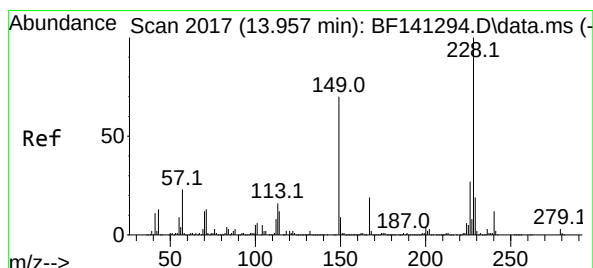
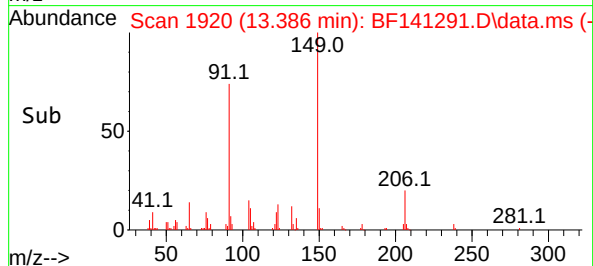
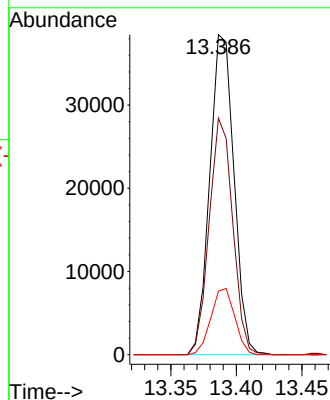
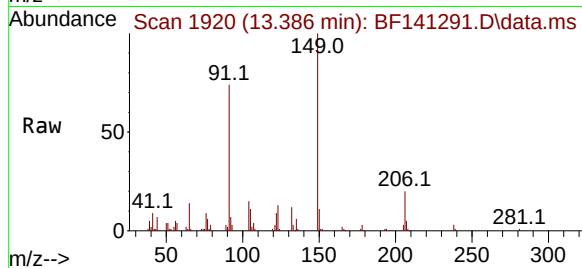
Tgt Ion:149 Resp: 49477

Ion Ratio Lower Upper

149 100

91 73.9 58.6 87.8

206 19.9 16.7 25.1



#81

Benzo(a)anthracene

Concen: 5.588 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

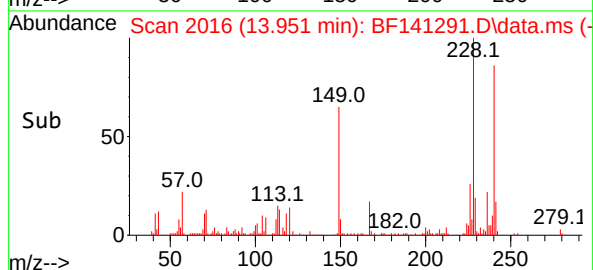
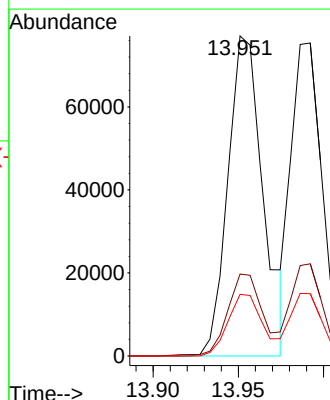
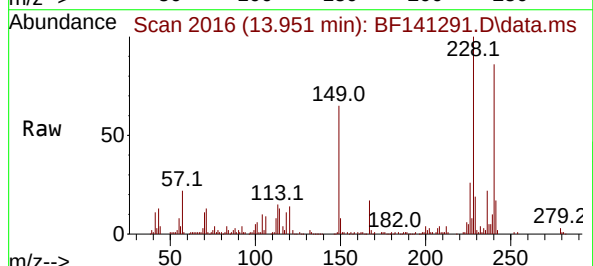
Tgt Ion:228 Resp: 110559

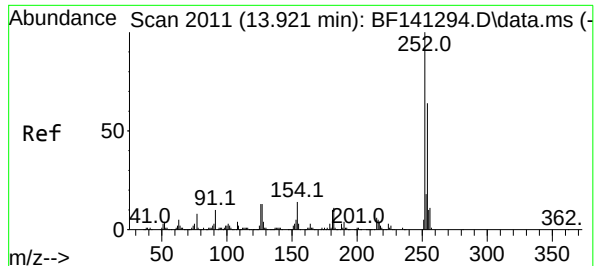
Ion Ratio Lower Upper

228 100

226 25.6 21.4 32.2

229 19.3 15.5 23.3





#82

3,3'-Dichlorobenzidine

Concen: 4.803 ng

RT: 13.922 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

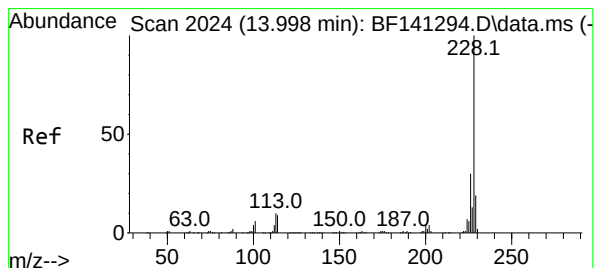
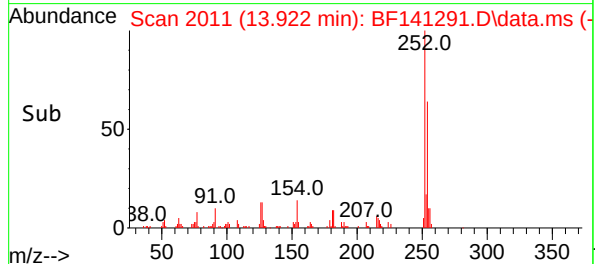
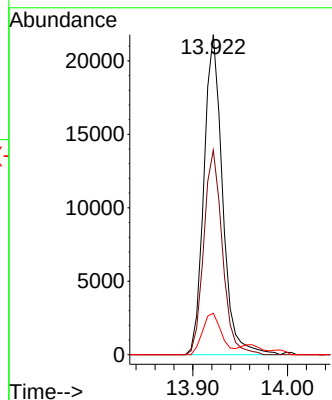
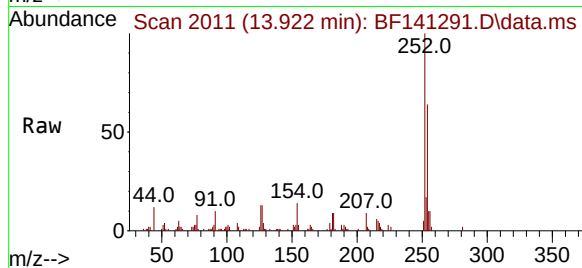
Tgt Ion:252 Resp: 29754

Ion Ratio Lower Upper

252 100

254 63.9 51.3 76.9

126 13.0 10.0 15.0



#83

Chrysene

Concen: 5.238 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

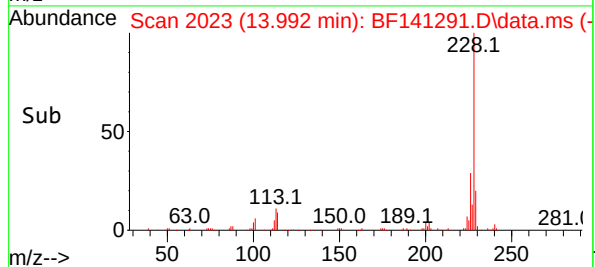
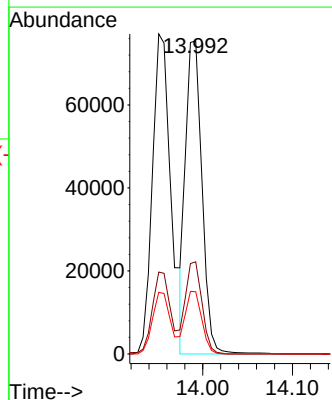
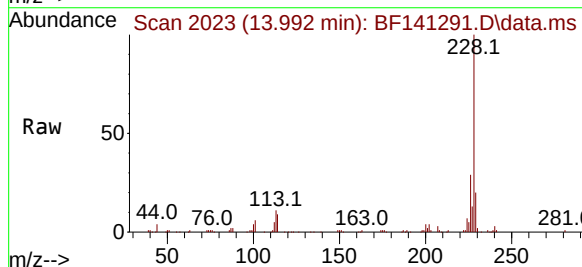
Tgt Ion:228 Resp: 96099

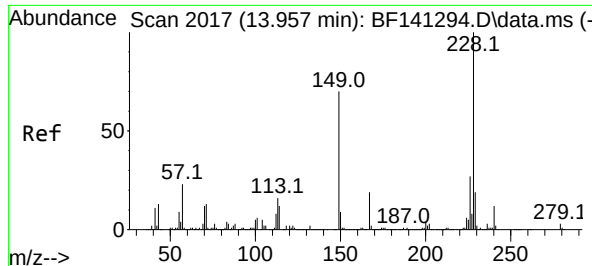
Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

229 19.9 15.6 23.4

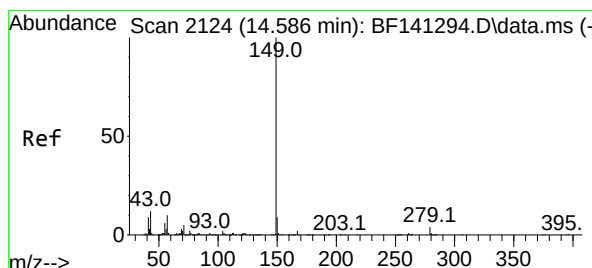
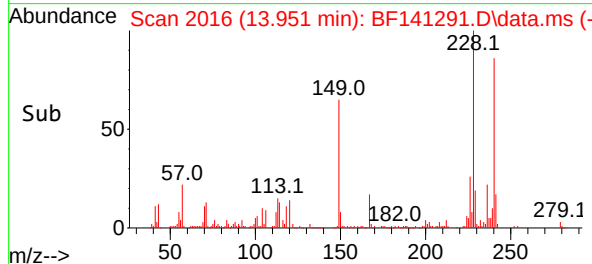
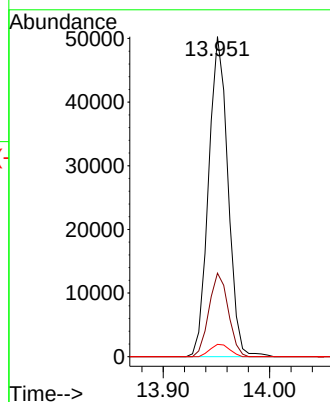
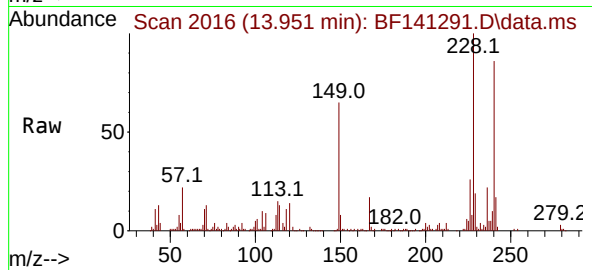




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

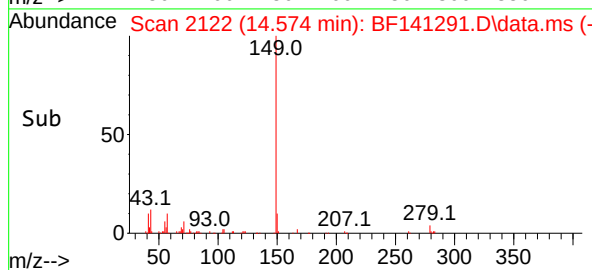
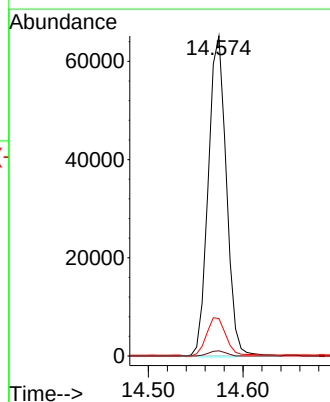
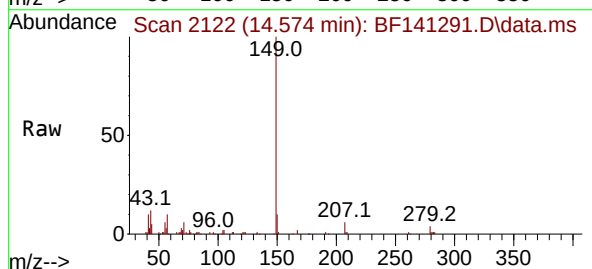
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

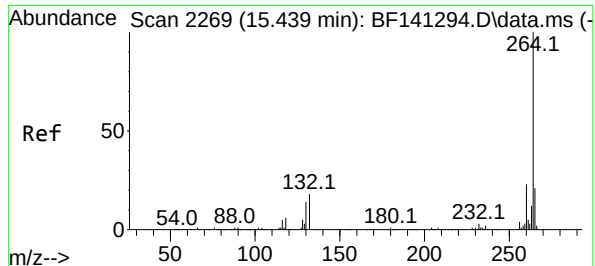
Tgt Ion:149 Resp: 63638
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.9 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.3 9.8 14.8

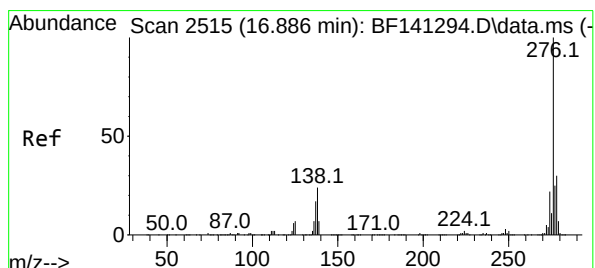
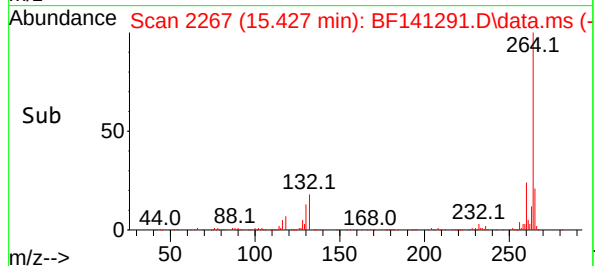
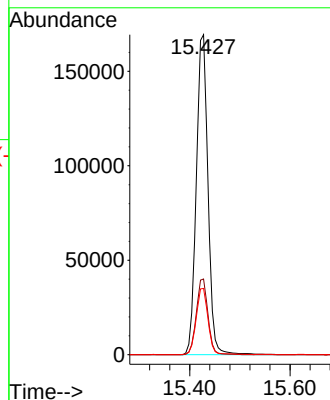
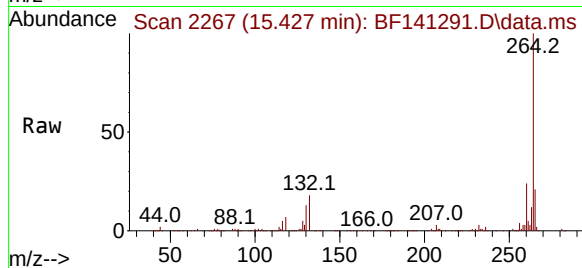




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2111
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

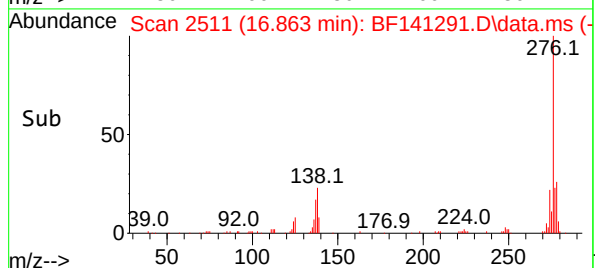
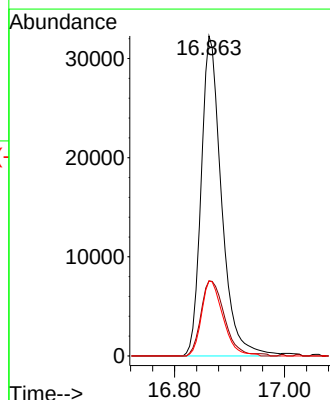
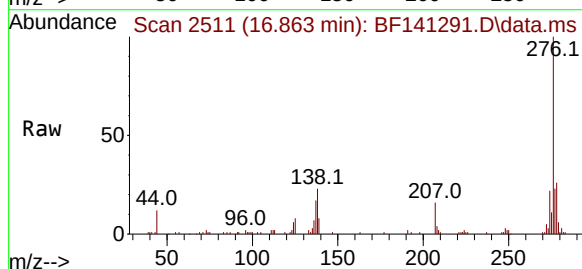
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

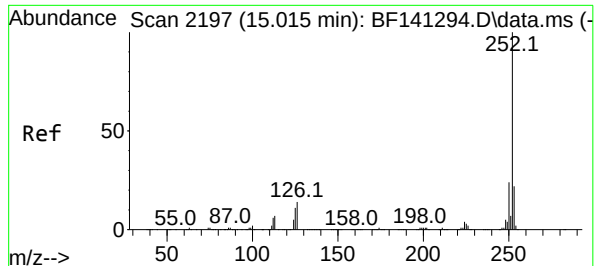
Tgt Ion:264 Resp: 273117
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.7 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.465 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

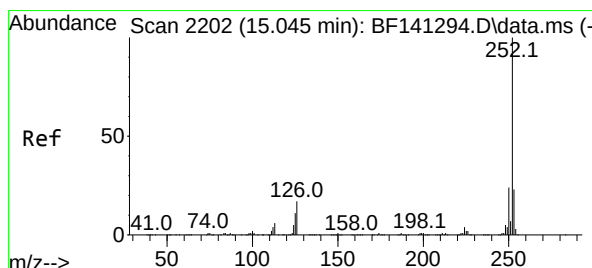
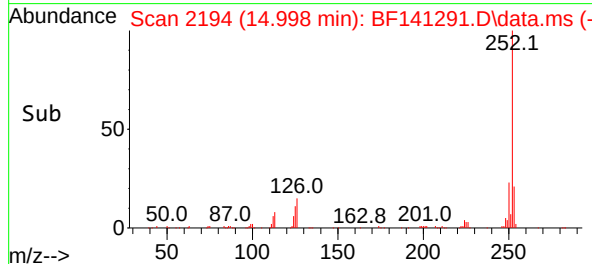
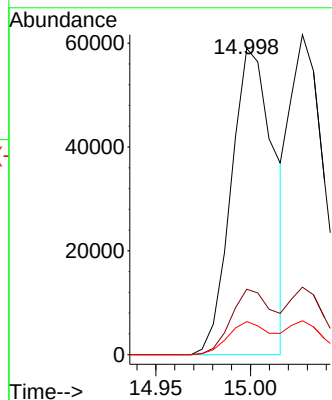
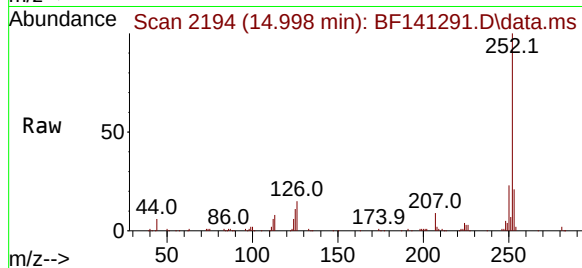
Tgt Ion:252 Resp: 92690

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.8 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 5.247 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

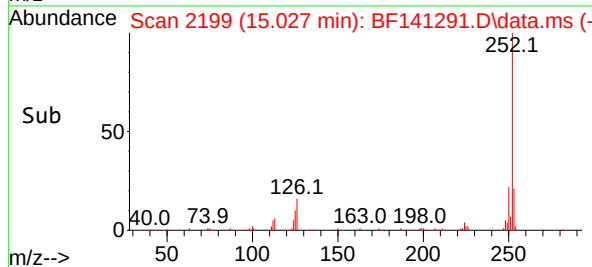
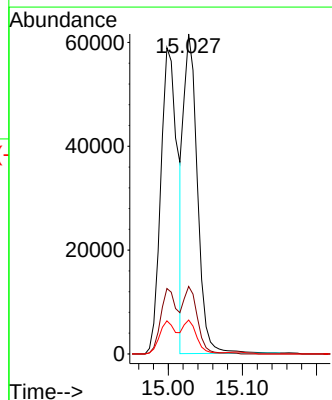
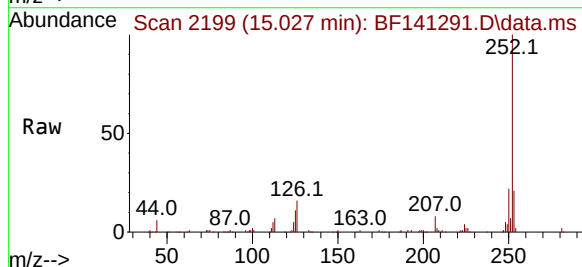
Tgt Ion:252 Resp: 79701

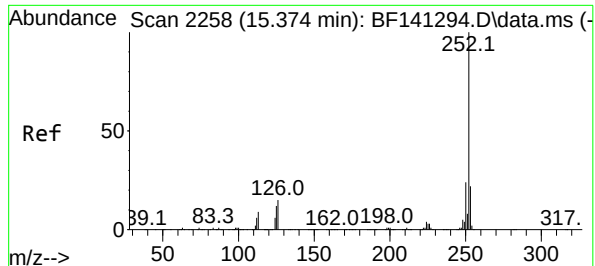
Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 5.268 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

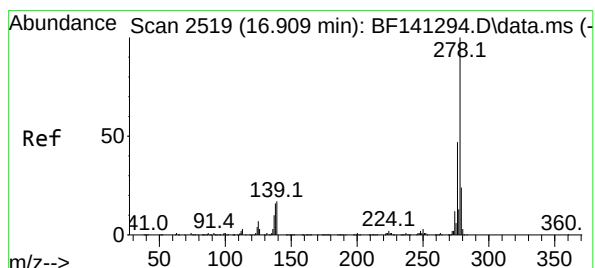
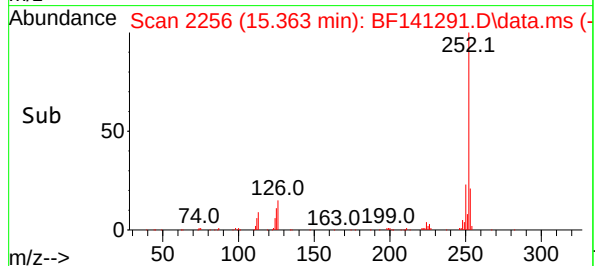
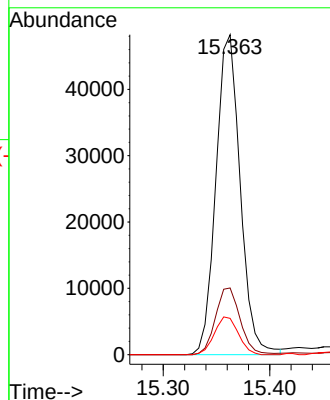
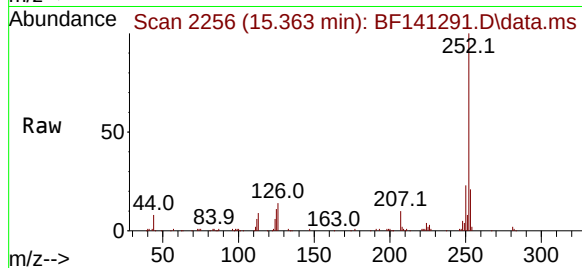
Tgt Ion:252 Resp: 76368

Ion Ratio Lower Upper

252 100

253 20.9 17.2 25.8

125 11.3 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 4.615 ng

RT: 16.886 min Scan# 2515

Delta R.T. -0.023 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

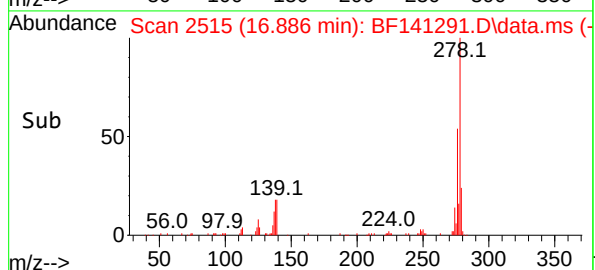
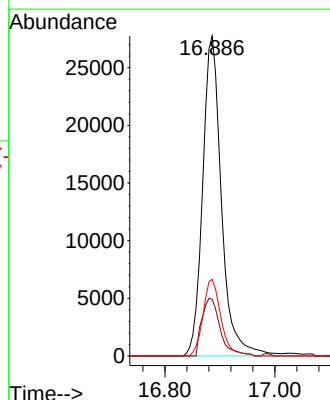
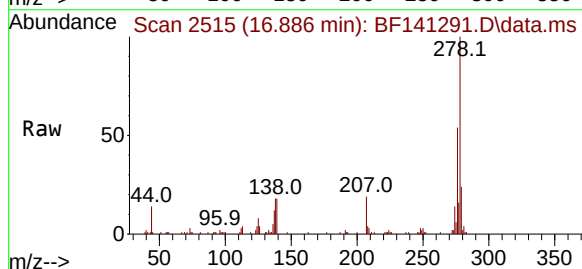
Tgt Ion:278 Resp: 65991

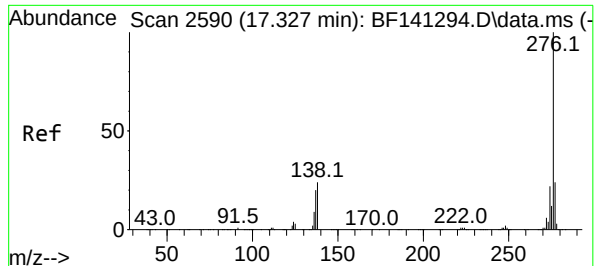
Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

279 24.0 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 4.591 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141291.D

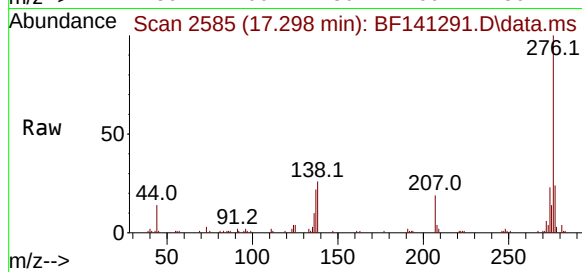
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



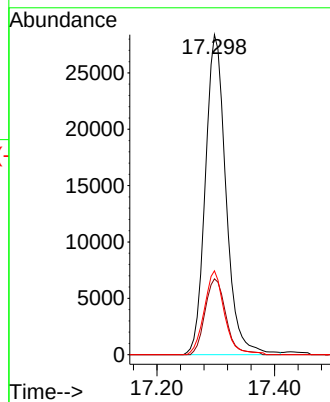
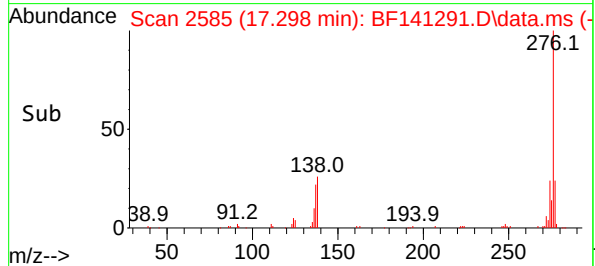
Tgt Ion:276 Resp: 69049

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 26.2 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

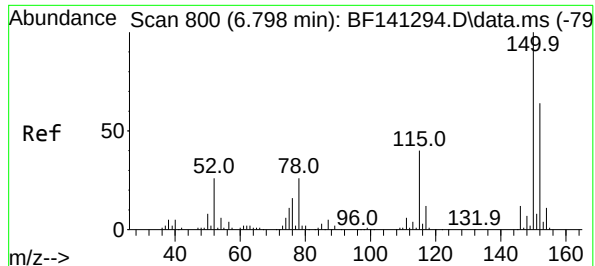
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

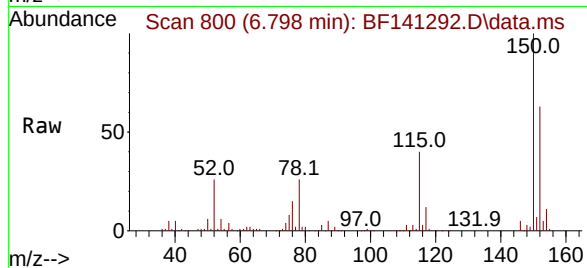
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

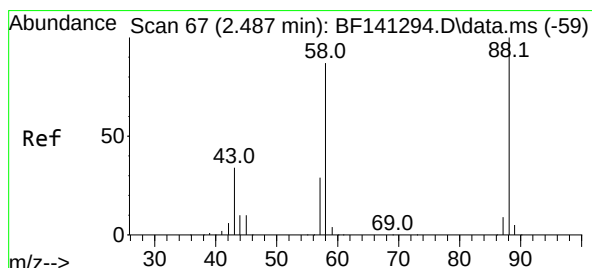
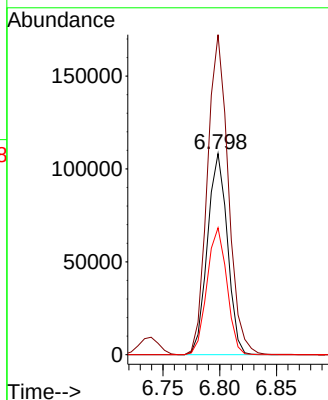
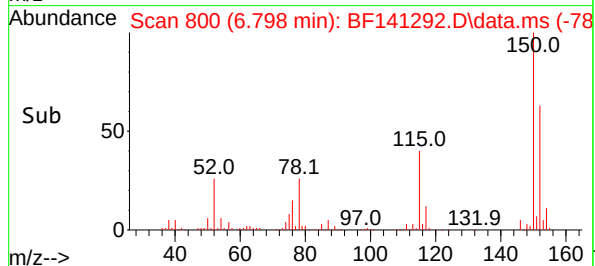
Instrument :
BNA_F
ClientSampleId :
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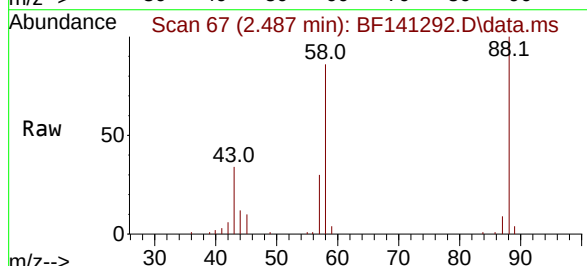
Tgt Ion:152 Resp: 132200
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 63.1 49.7 74.5

Manual Integrations
APPROVED

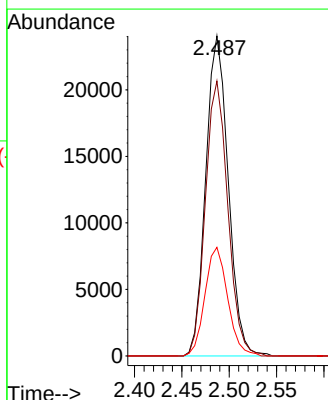
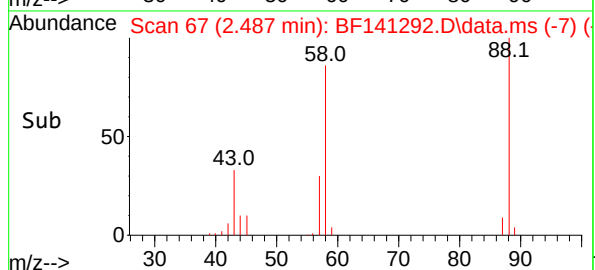
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

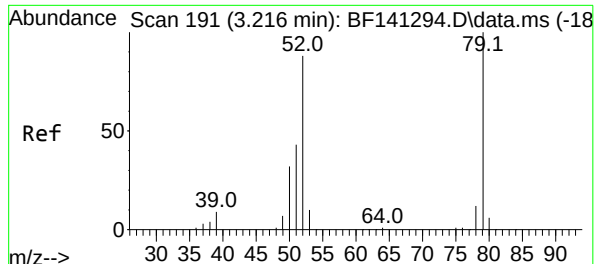


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



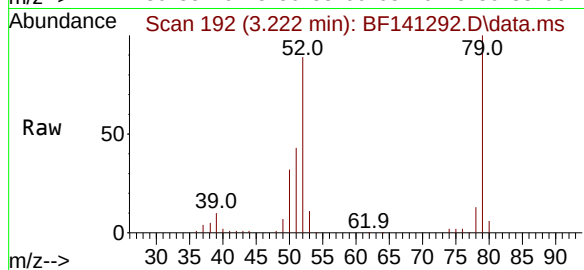
Tgt Ion: 88 Resp: 39830
Ion Ratio Lower Upper
88 100
58 85.5 70.2 105.4
43 34.3 27.6 41.4





#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

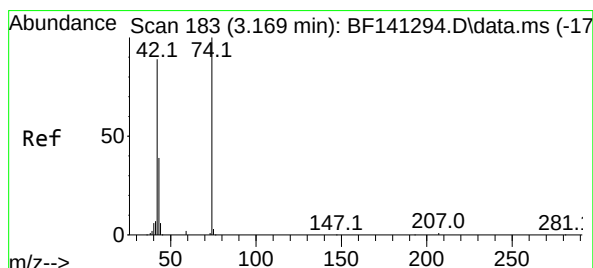
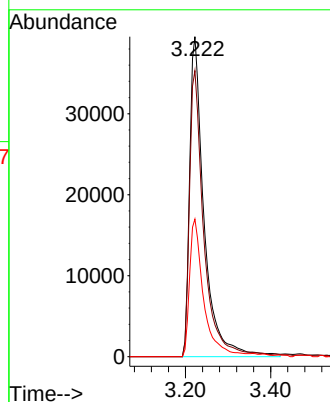
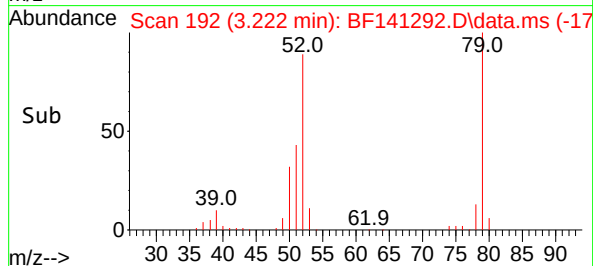
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 93170
Ion Ratio Lower Upper
79 100
52 89.4 70.3 105.5
51 43.0 34.3 51.5

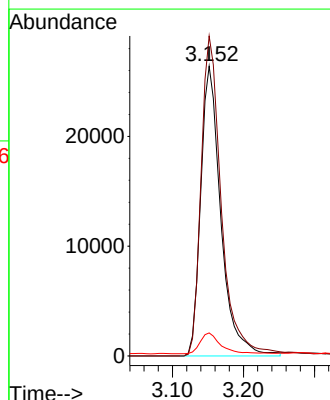
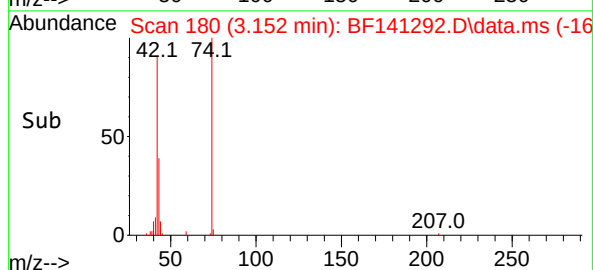
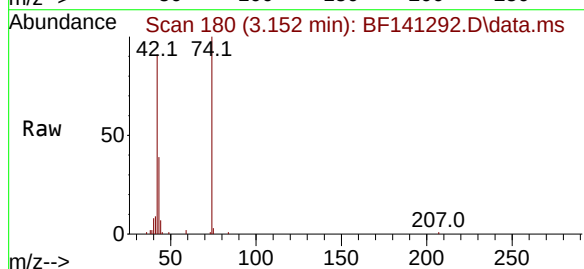
Manual Integrations
APPROVED

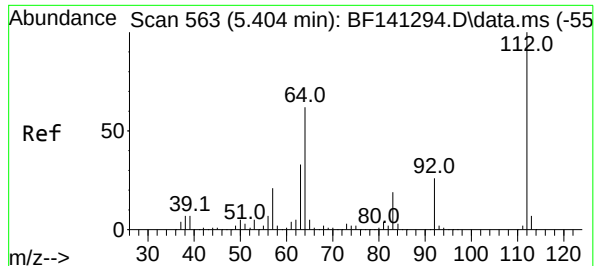
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157
Ion Ratio Lower Upper
42 100
74 110.5 90.3 135.5
44 8.0 5.7 8.5





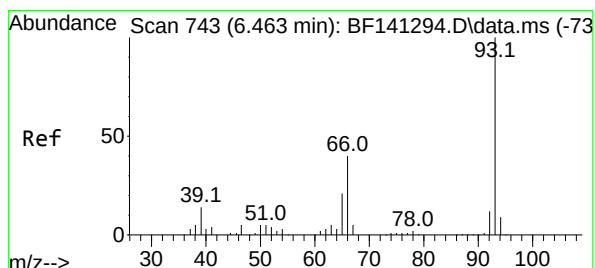
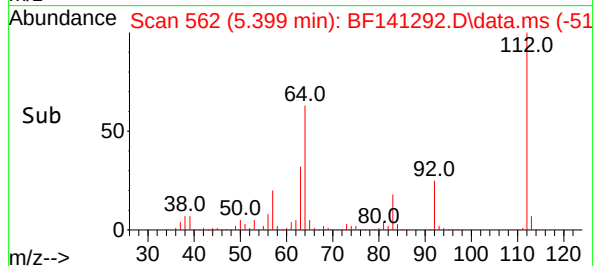
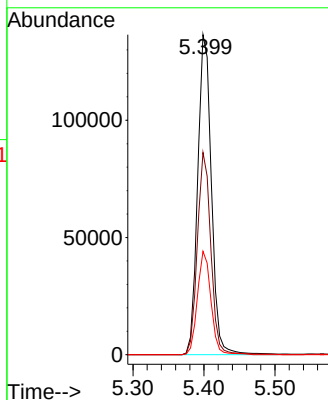
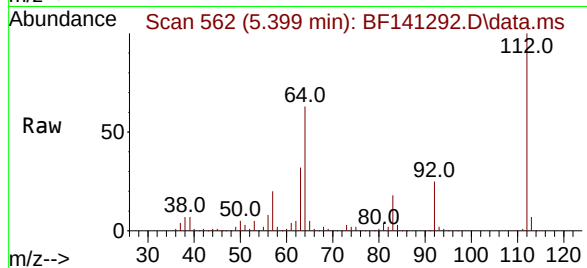
#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 183840
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 32.3 26.1 39.1

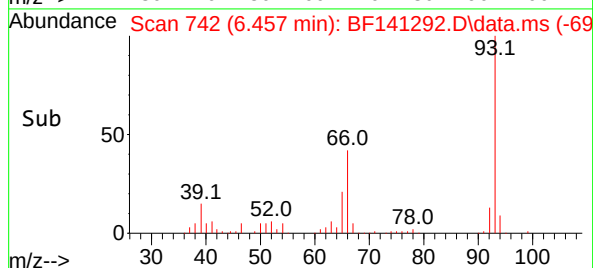
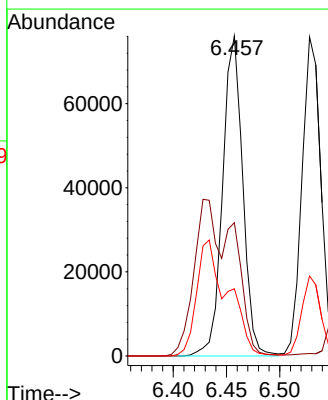
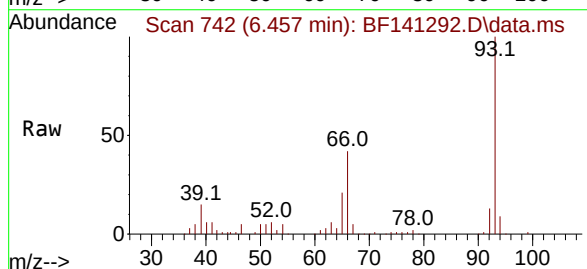
Manual Integrations
APPROVED

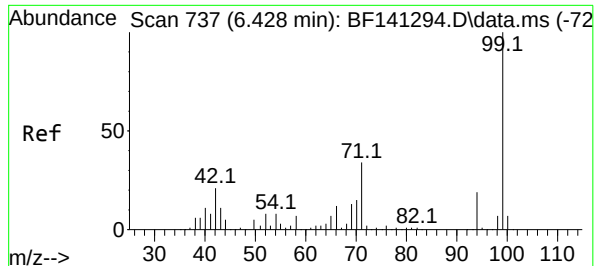
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872
Ion Ratio Lower Upper
93 100
66 41.7 32.5 48.7
65 21.0 17.0 25.6





#7

Phenol-d6

Concen: 21.836 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 237908

Ion Ratio Lower Upper

99 100

42 20.8 17.1 25.7

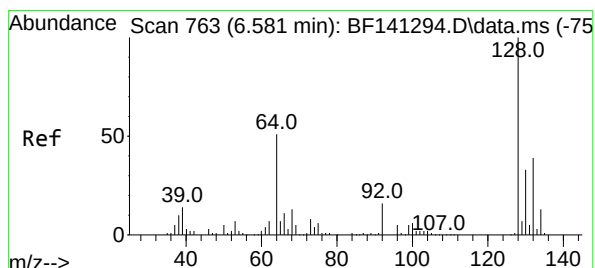
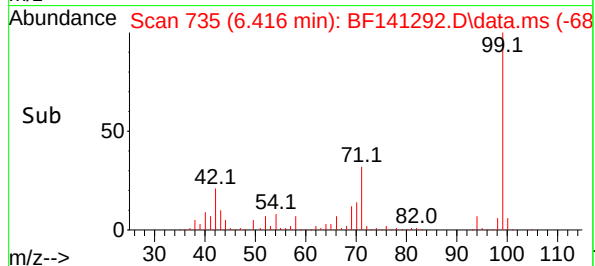
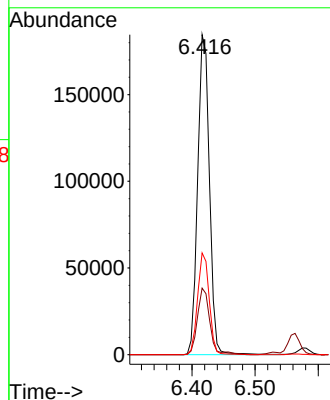
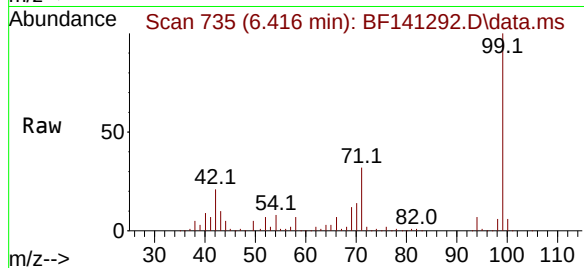
71 31.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 10.871 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

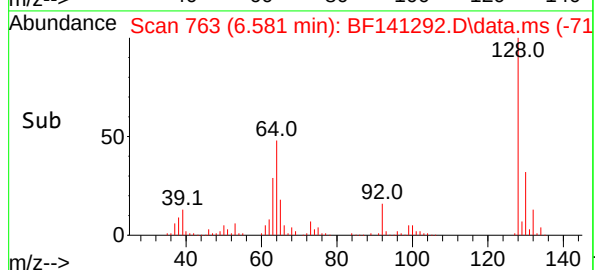
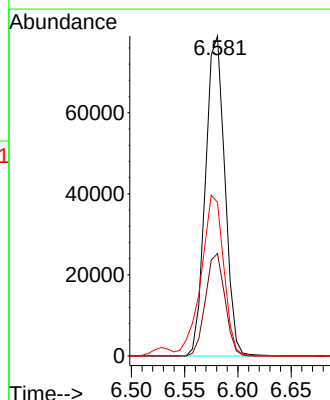
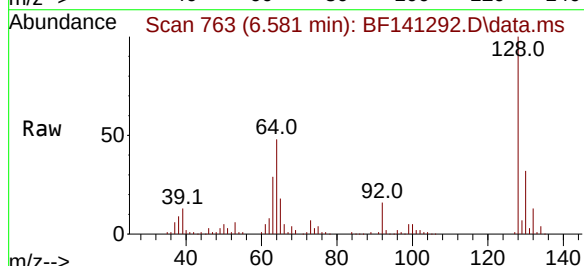
Tgt Ion:128 Resp: 99805

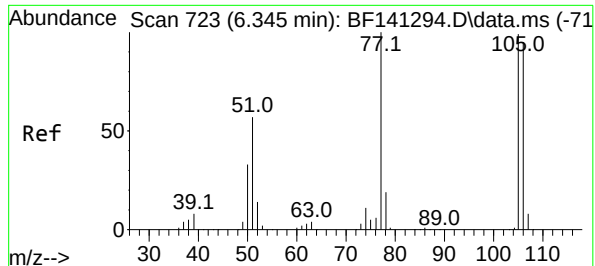
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 48.0 32.9 72.9



#9
Benzaldehyde

Concen: 11.803 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

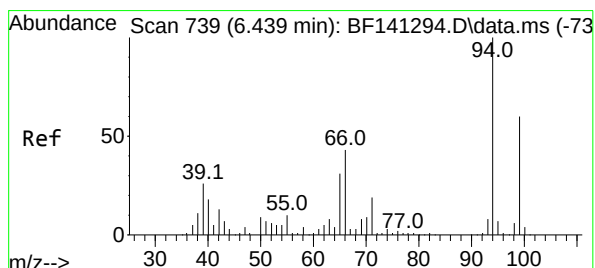
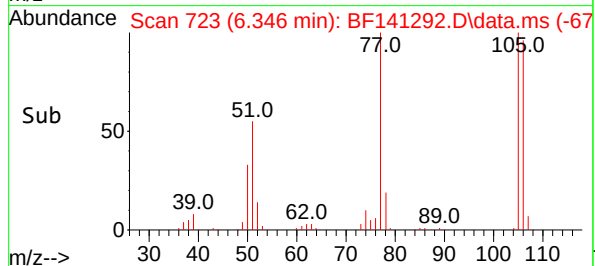
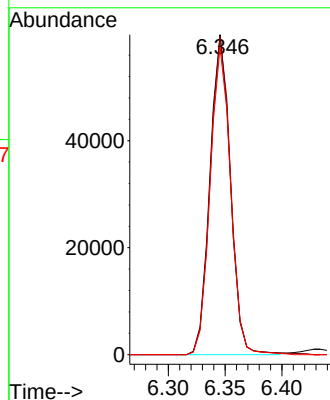
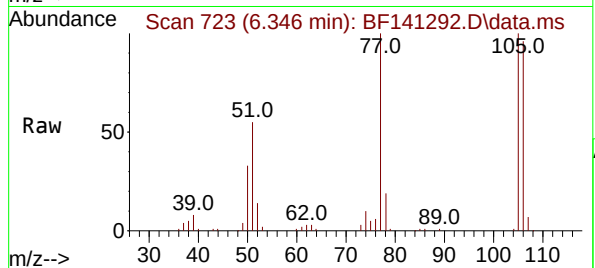
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.4	119.4
106	96.1	74.6	114.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 10.775 ng

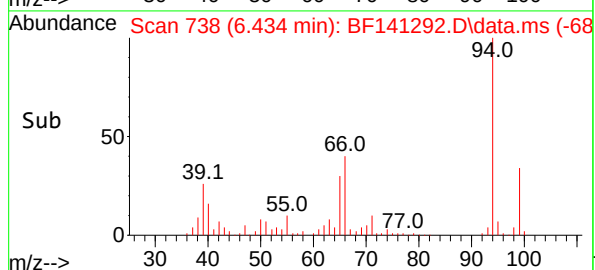
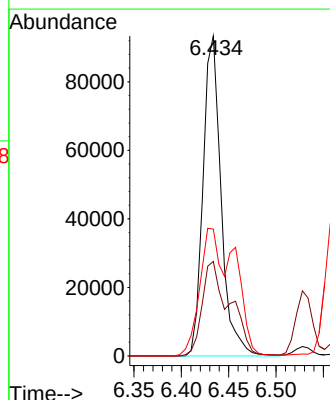
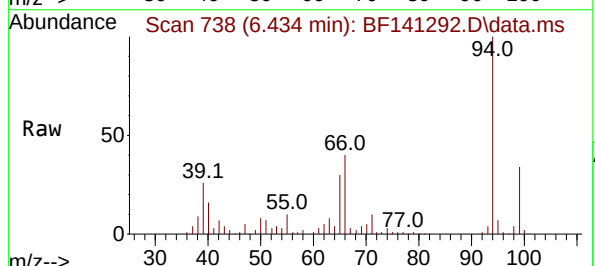
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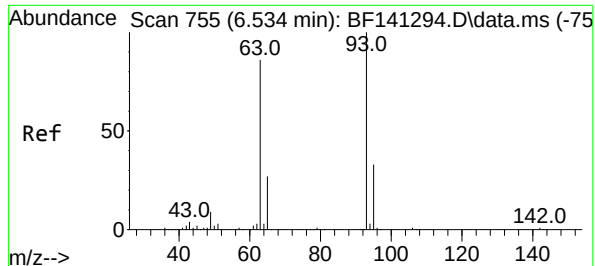
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.8	50.8
66	39.7	23.3	63.3





#11

bis(2-Chloroethyl)ether

Concen: 10.533 ng

RT: 6.528 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 93 Resp: 9336

Ion Ratio Lower Upper

93 100

63 84.6 65.0 105.0

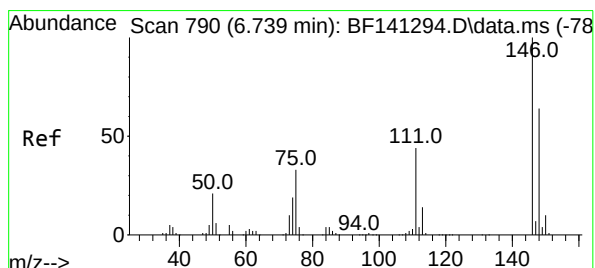
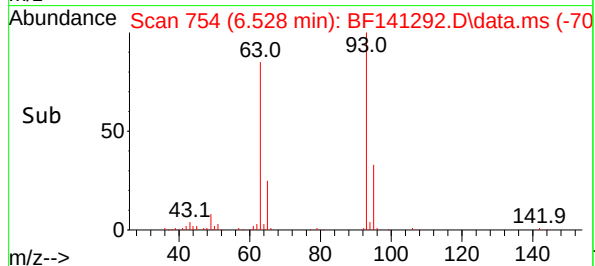
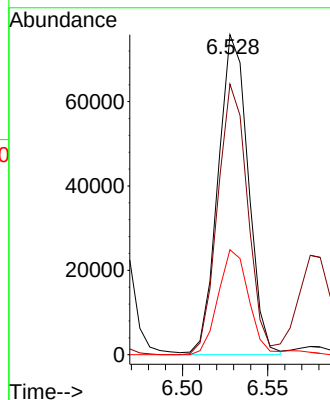
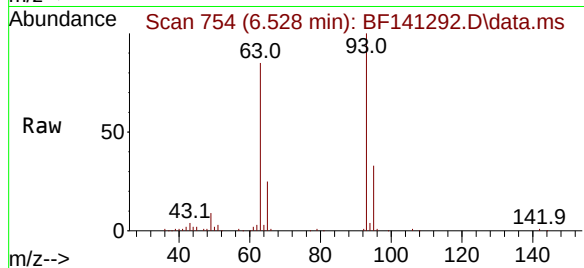
95 32.8 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#12

1,3-Dichlorobenzene

Concen: 10.891 ng

RT: 6.740 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

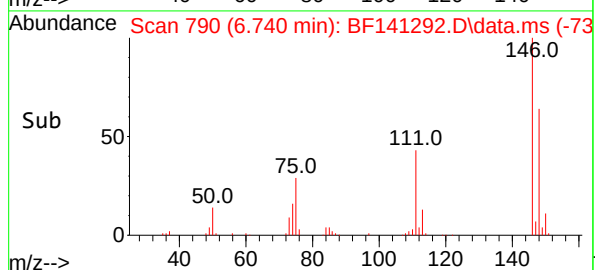
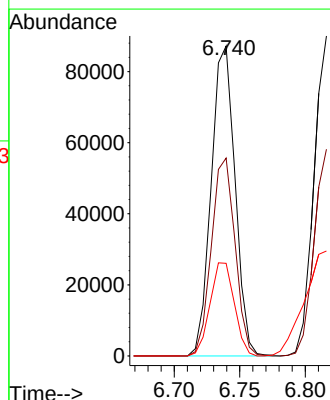
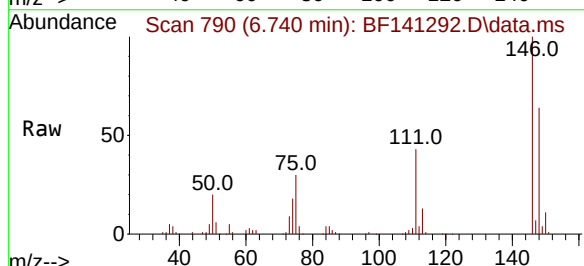
Tgt Ion:146 Resp: 110278

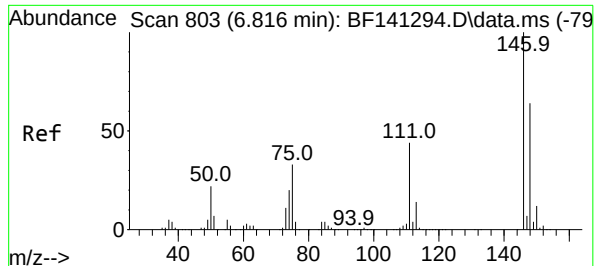
Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

75 29.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 10.784 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:146 Resp: 109950

Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

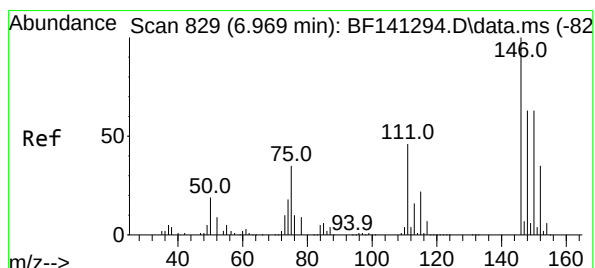
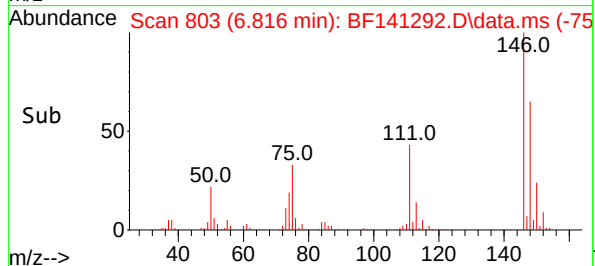
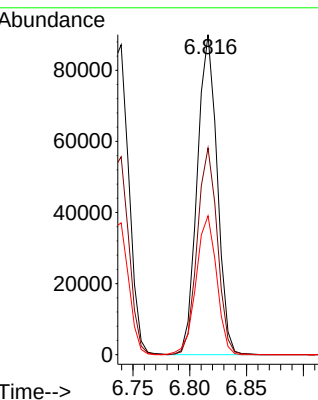
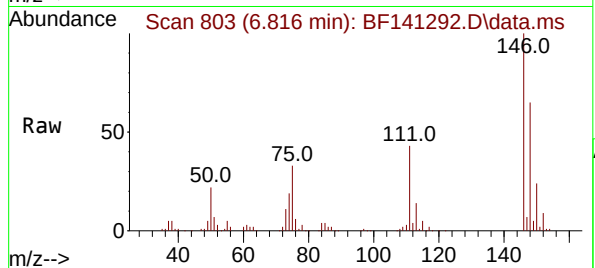
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 11.160 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

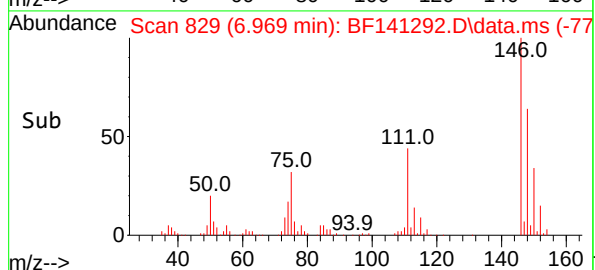
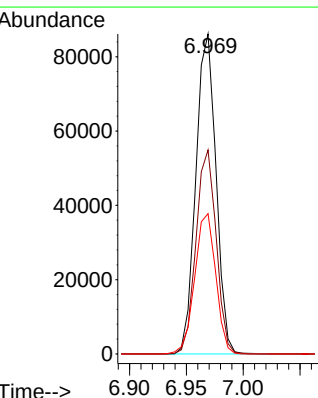
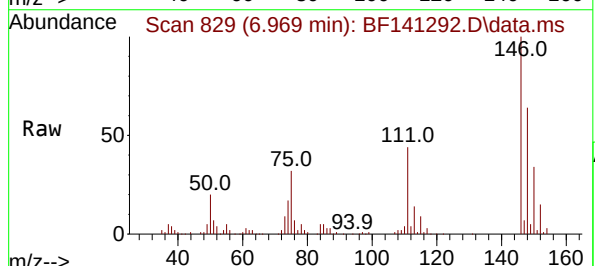
Tgt Ion:146 Resp: 106335

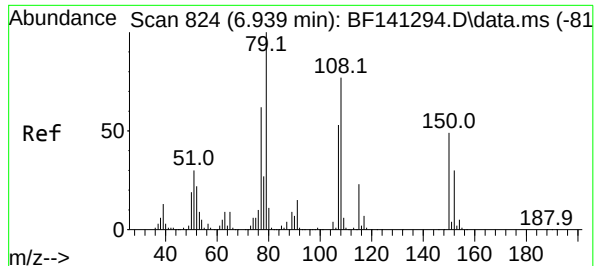
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

111 43.8 36.6 55.0





#15

Benzyl Alcohol

Concen: 10.665 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 79378

Ion Ratio Lower Upper

79 100

108 77.5 61.4 92.0

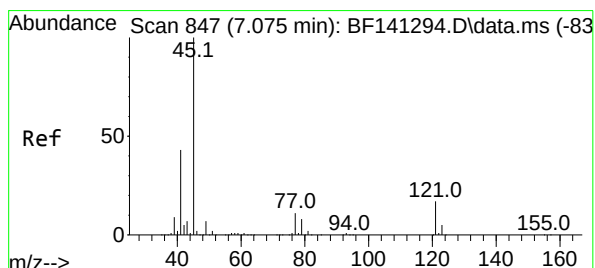
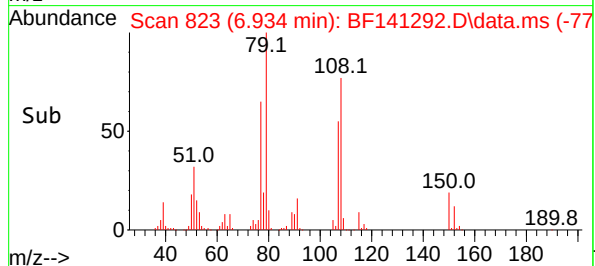
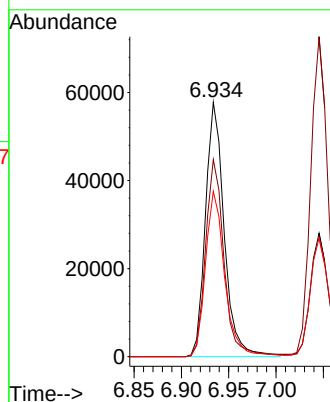
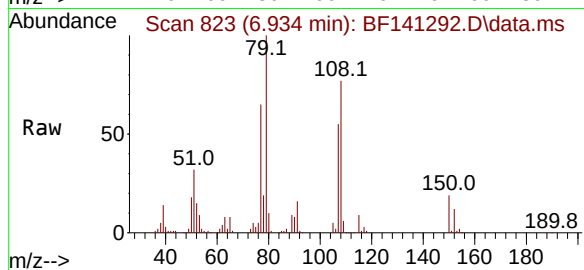
77 65.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.661 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

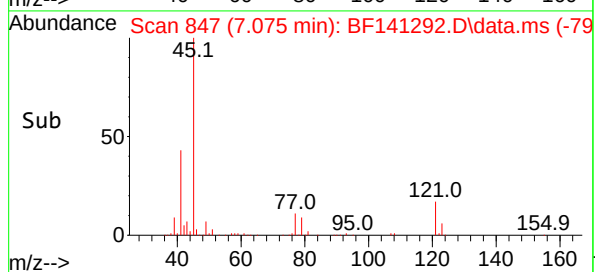
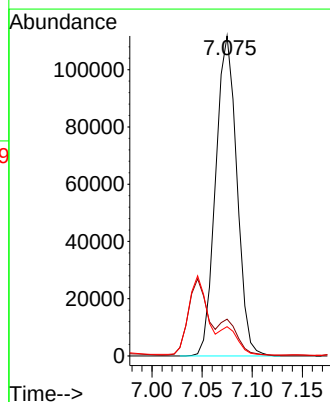
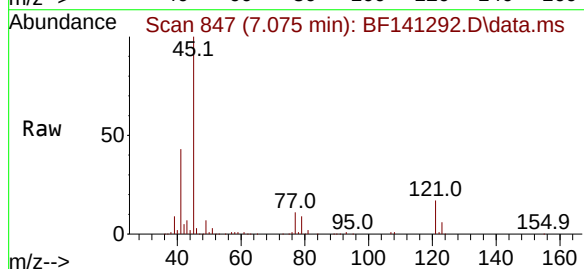
Tgt Ion: 45 Resp: 164185

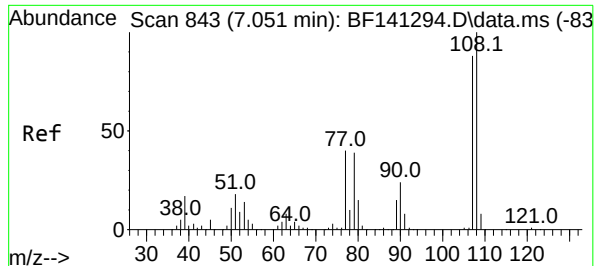
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.8

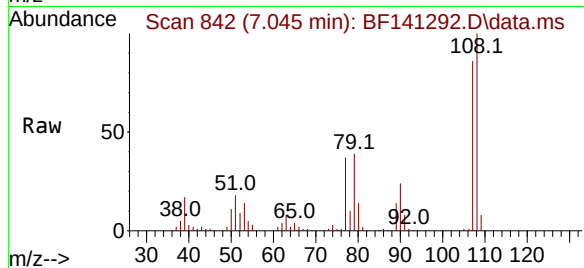
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

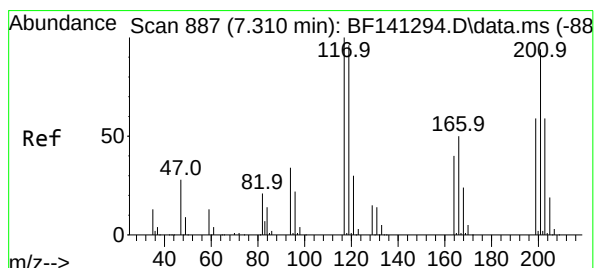
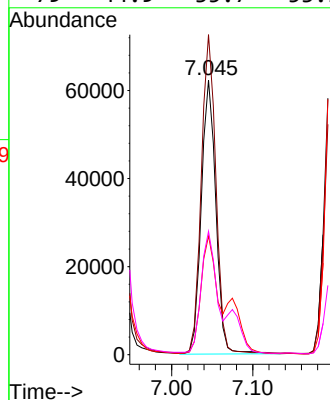
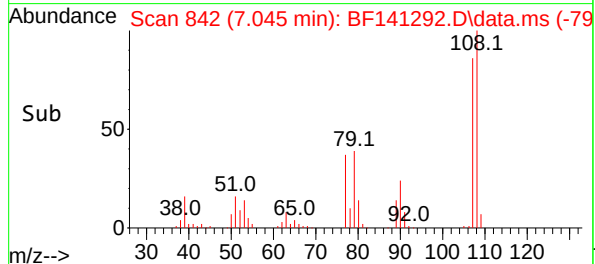
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



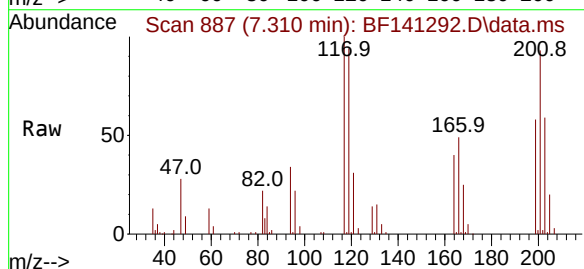
Tgt Ion:107 Resp: 7764
Ion Ratio Lower Upper
107 100
108 116.6 90.8 136.2
77 43.3 36.2 54.4
79 44.9 35.7 53.5

Manual Integrations
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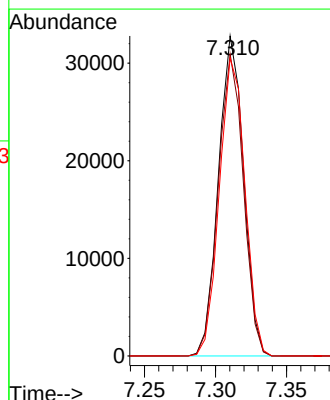
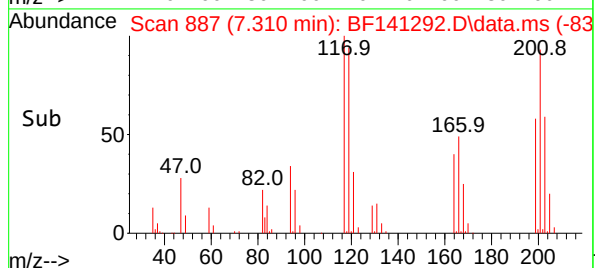
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

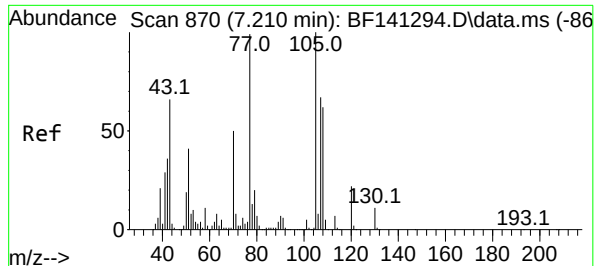


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:117 Resp: 40445
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8
201 93.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.815 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 70075

Ion Ratio Lower Upper

70 100

42 69.8 56.8 85.2

101 10.0 7.7 11.5

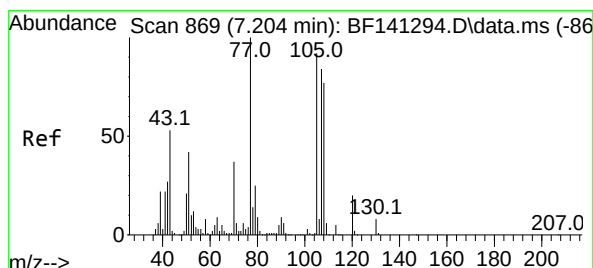
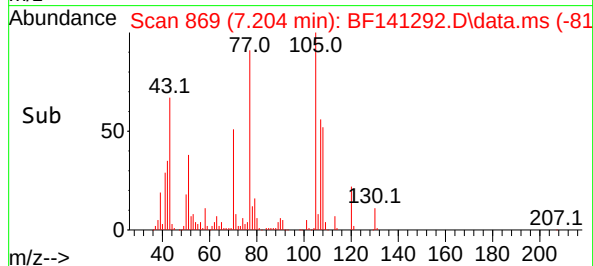
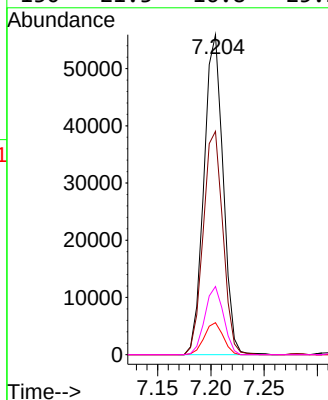
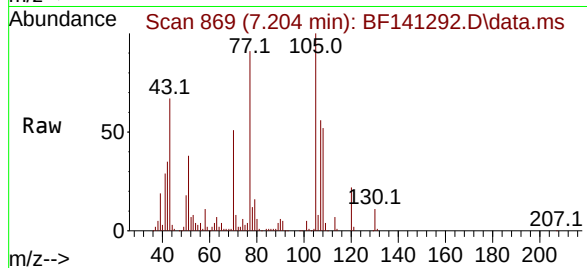
130 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 11.310 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

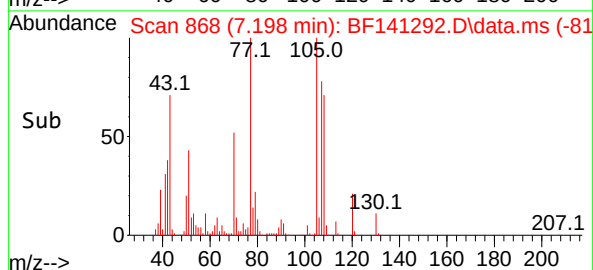
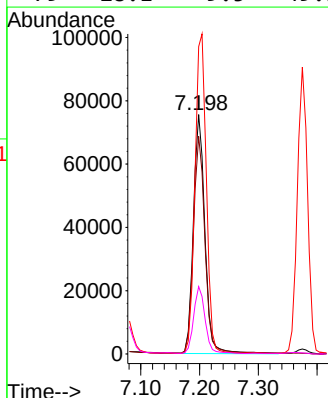
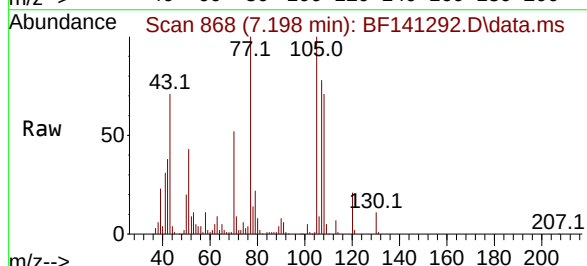
Ion Ratio Lower Upper

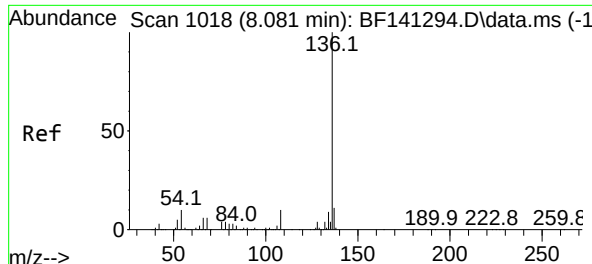
107 100

108 91.0 70.9 110.9

77 128.4 98.5 138.5

79 28.1 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141292.D

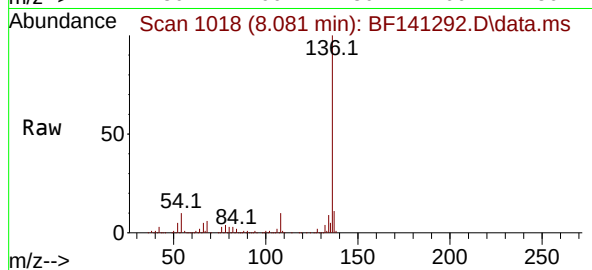
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:136 Resp: 533320

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.5 7.8 11.8

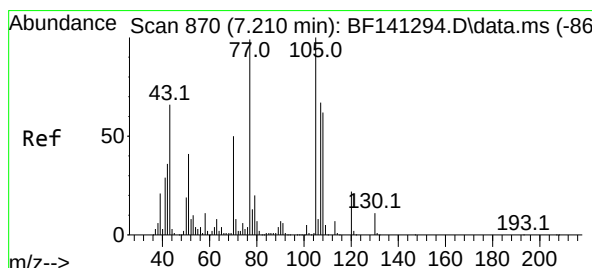
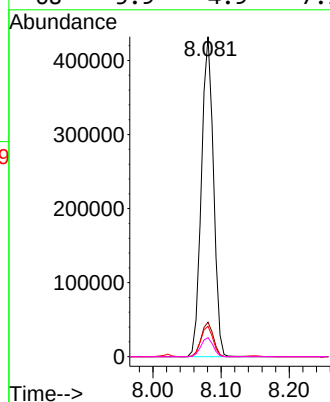
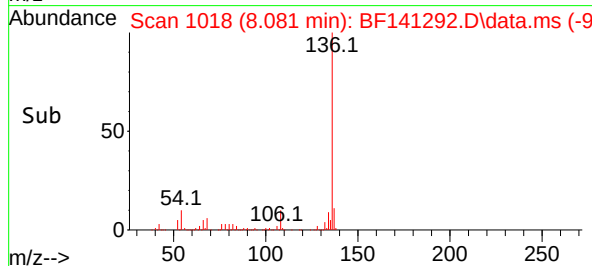
68 5.9 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#22

Acetophenone

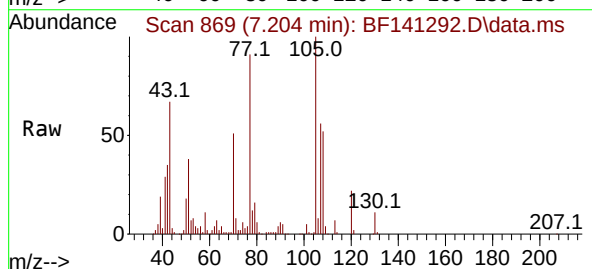
Concen: 11.036 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



Tgt Ion:105 Resp: 139527

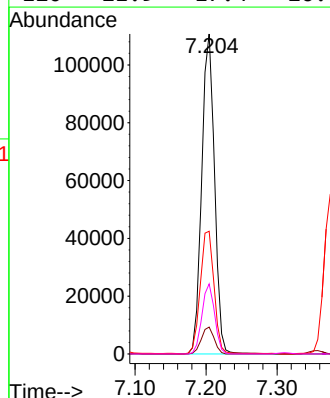
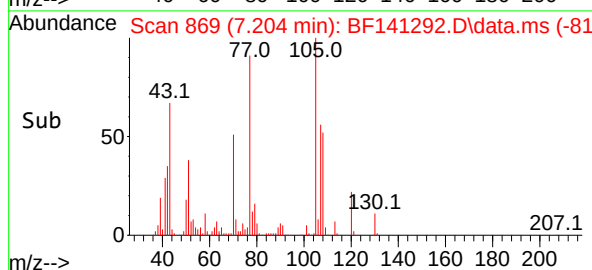
Ion Ratio Lower Upper

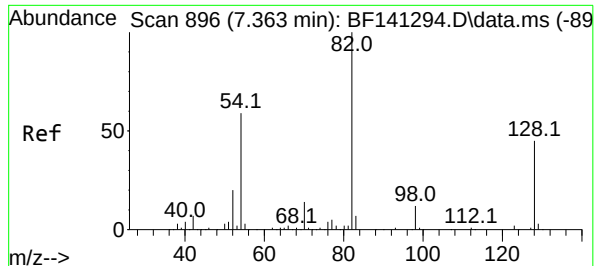
105 100

71 8.4 6.8 10.2

51 38.3 32.6 49.0

120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.937 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 211040

Ion Ratio Lower Upper

82 100

128 44.0 35.7 53.5

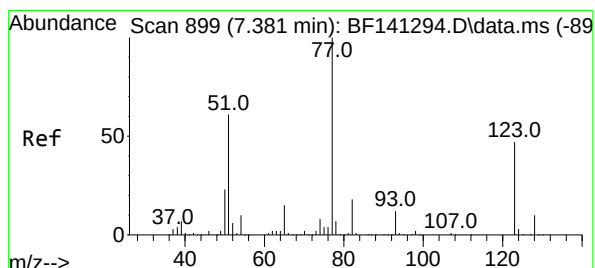
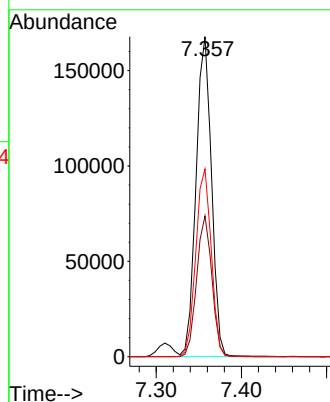
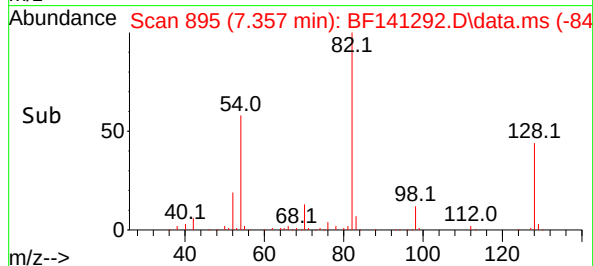
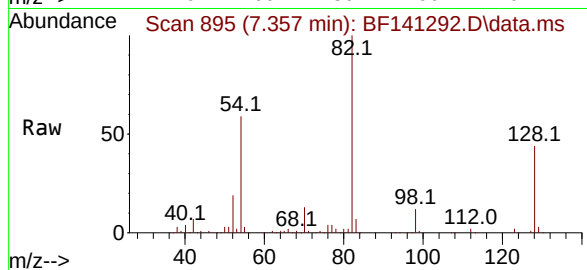
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 10.474 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

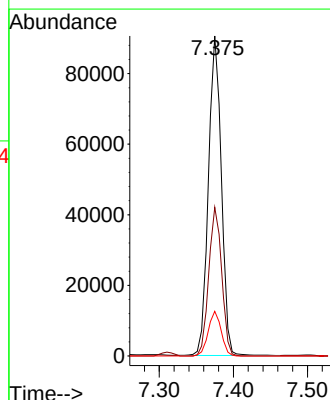
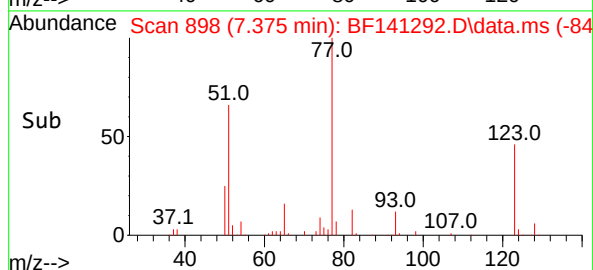
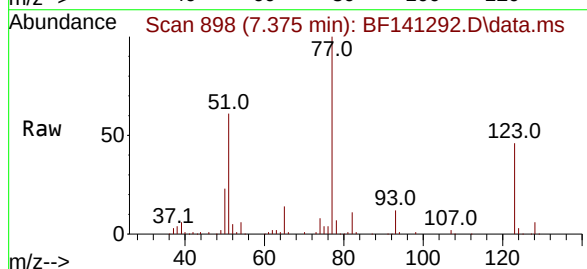
Tgt Ion: 77 Resp: 109497

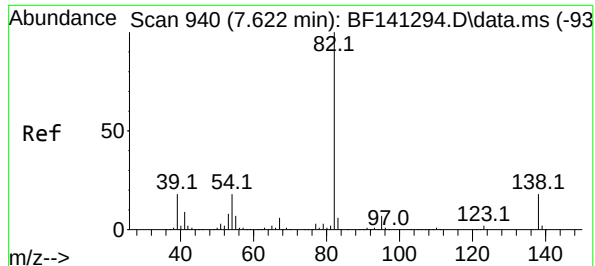
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

65 14.0 11.8 17.6





#25

Isophorone

Concen: 10.480 ng

RT: 7.616 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 182564

Ion Ratio Lower Upper

82 100

95 6.9 5.8 8.6

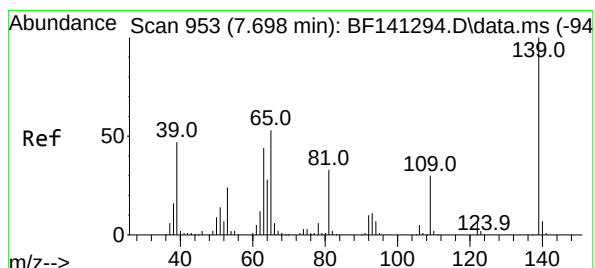
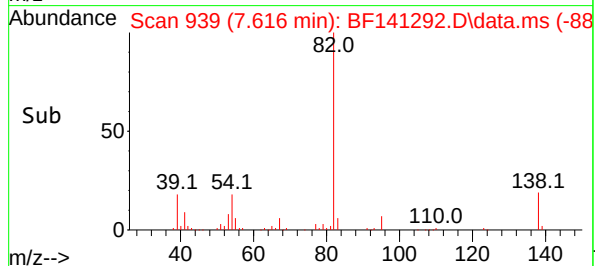
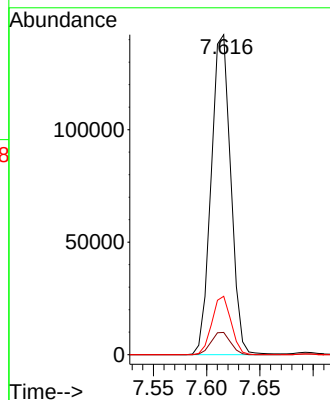
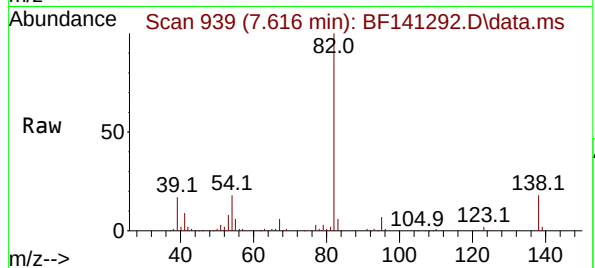
138 18.2 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#26

2-Nitrophenol

Concen: 10.167 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

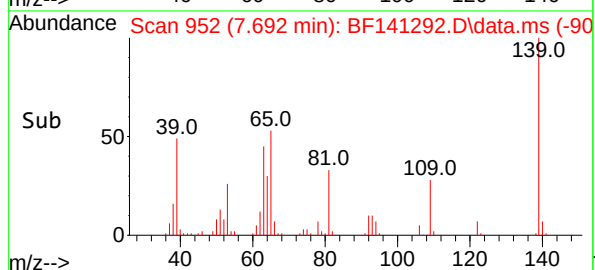
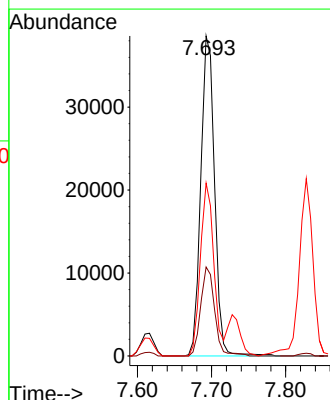
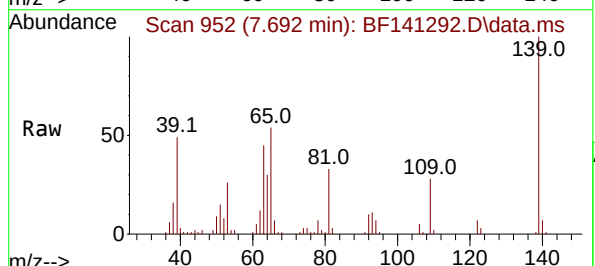
Tgt Ion:139 Resp: 49783

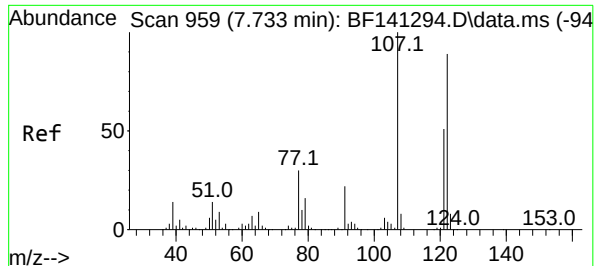
Ion Ratio Lower Upper

139 100

109 27.8 23.8 35.6

65 54.0 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 10.177 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

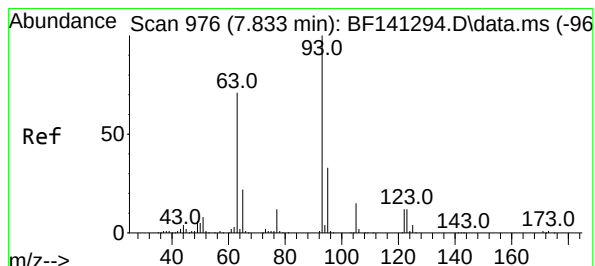
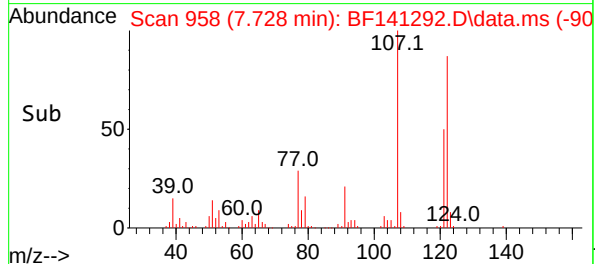
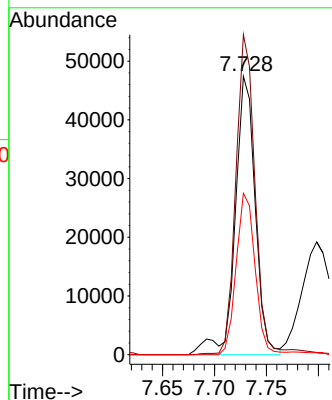
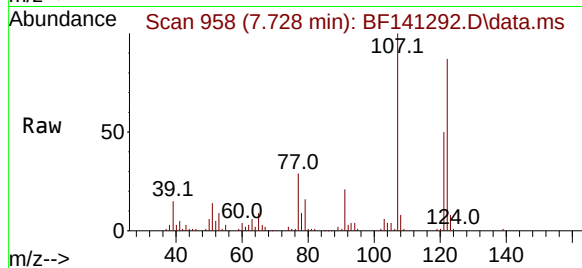
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:	122	Resp:	6368
Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 10.561 ng

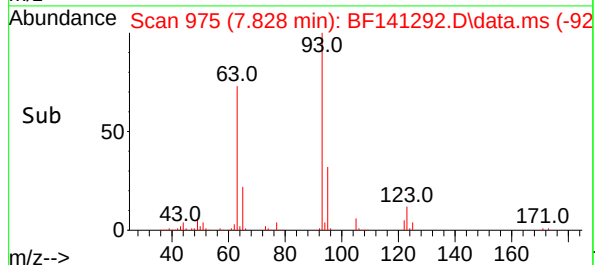
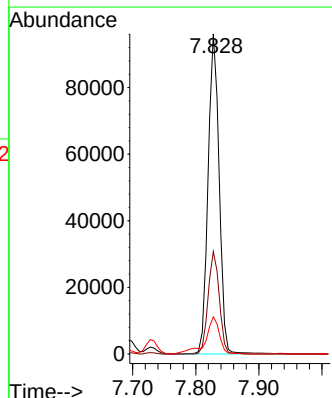
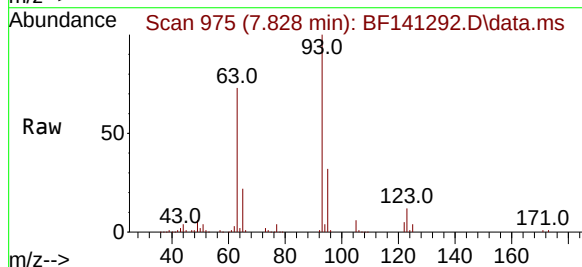
RT: 7.828 min Scan# 975

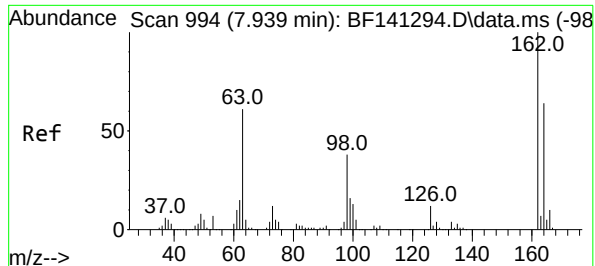
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:	93	Resp:	117232
Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.6	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 10.457 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

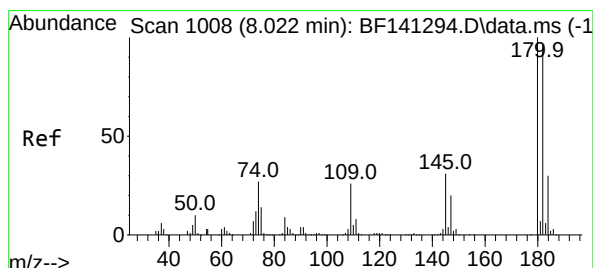
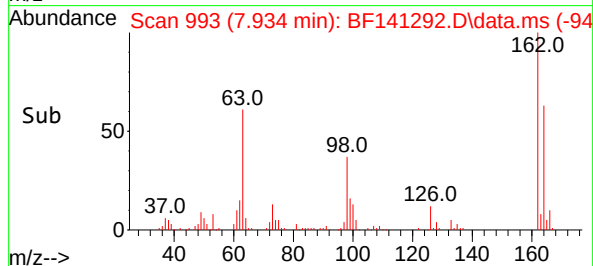
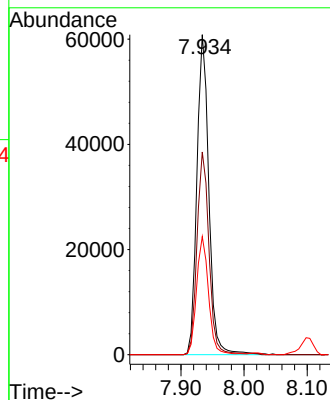
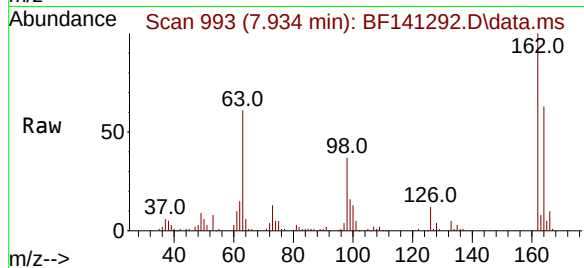
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:	162	Resp:	79949
Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.2	84.2
98	36.9	18.2	58.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 10.767 ng

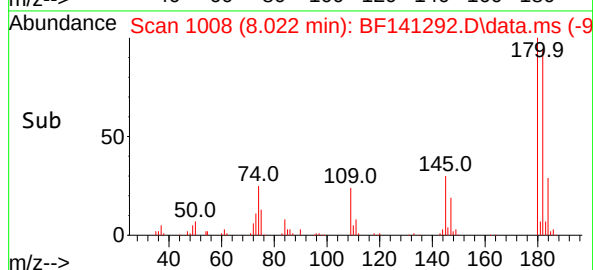
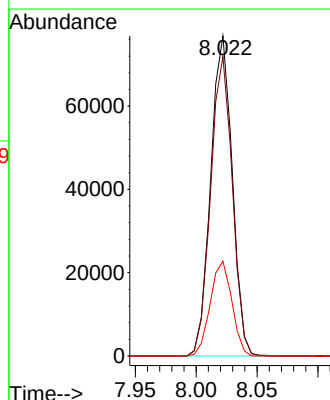
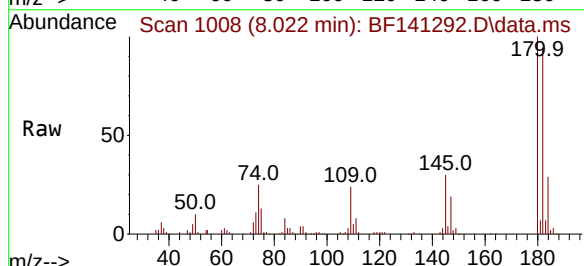
RT: 8.022 min Scan# 1008

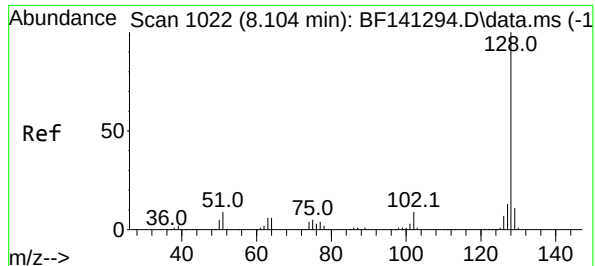
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:	180	Resp:	94419
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.4	114.6
145	29.6	24.9	37.3





#31

Naphthalene

Concen: 10.887 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

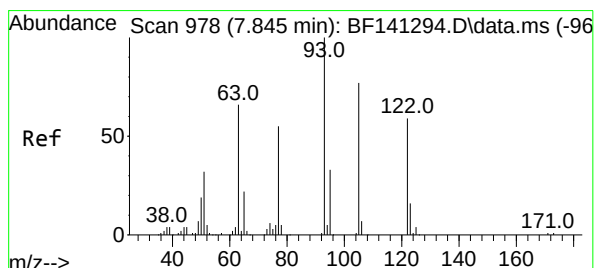
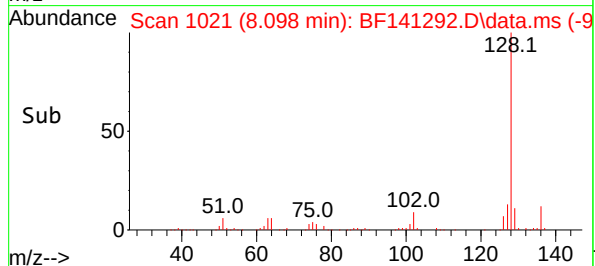
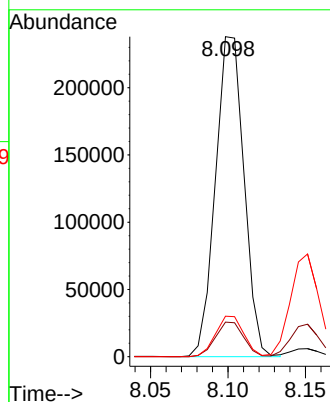
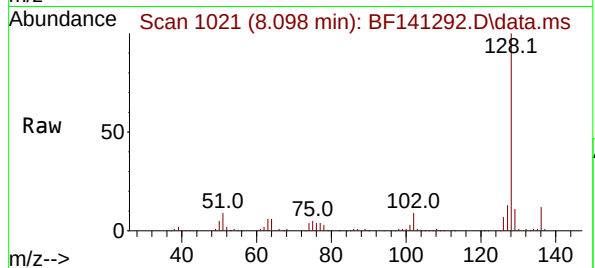
ClientSampleId :

SSTDICC010

Tgt Ion:128 Resp: 305380
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.7 10.6 15.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32

Benzoic acid

Concen: 8.367 ng

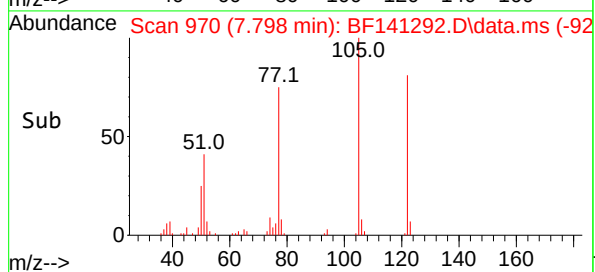
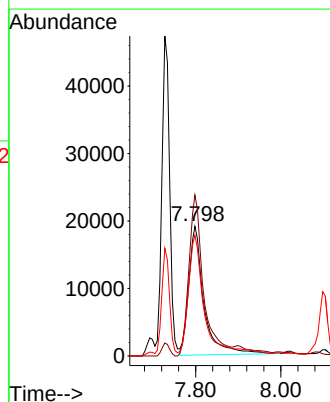
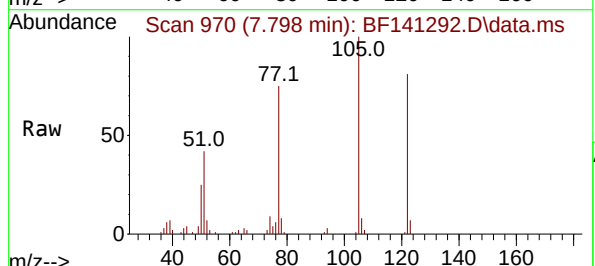
RT: 7.798 min Scan# 970

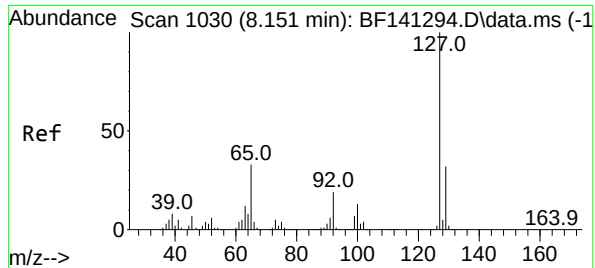
Delta R.T. -0.047 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549
Ion Ratio Lower Upper
122 100
105 124.1 103.4 143.4
77 93.0 70.9 110.9





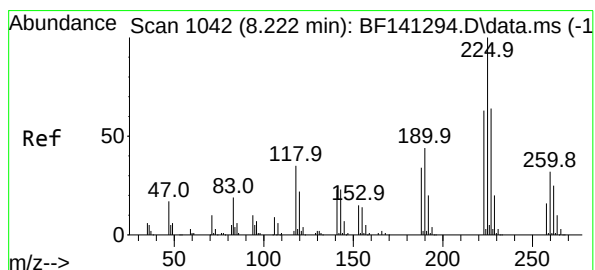
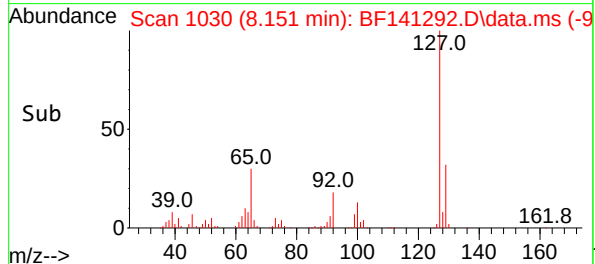
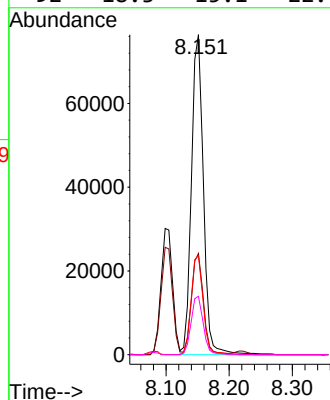
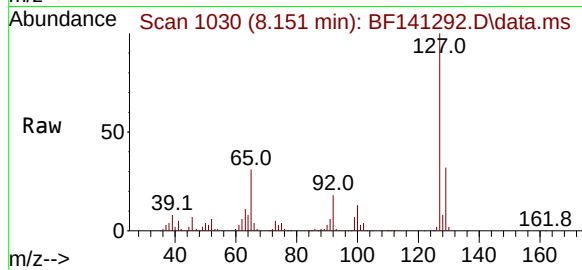
#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 10085
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 30.9 26.4 39.6
92 18.3 15.1 22.7

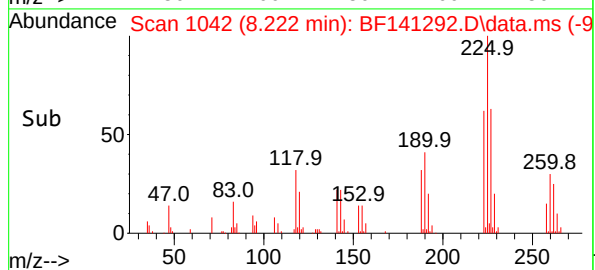
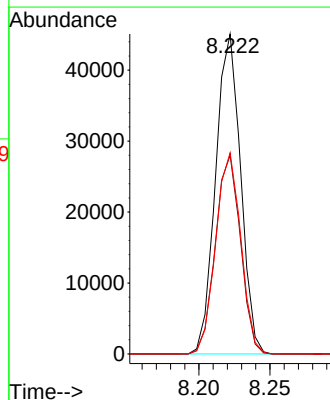
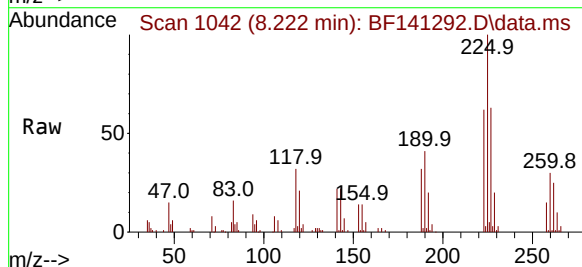
Manual Integrations
APPROVED

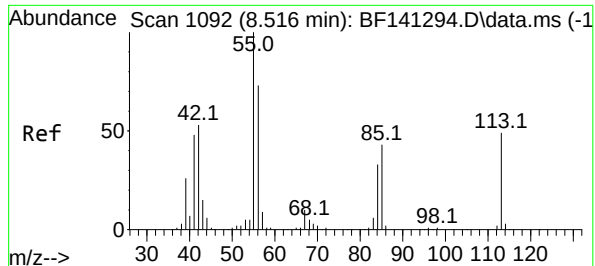
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:225 Resp: 55103
Ion Ratio Lower Upper
225 100
223 62.0 50.4 75.6
227 62.9 51.3 76.9





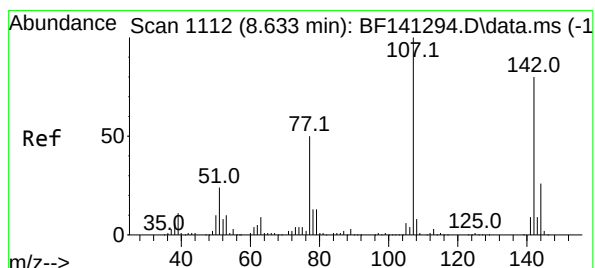
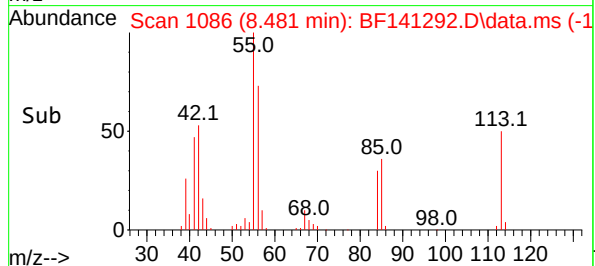
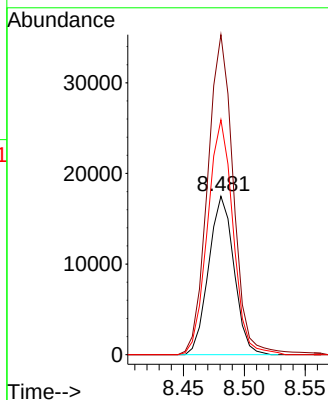
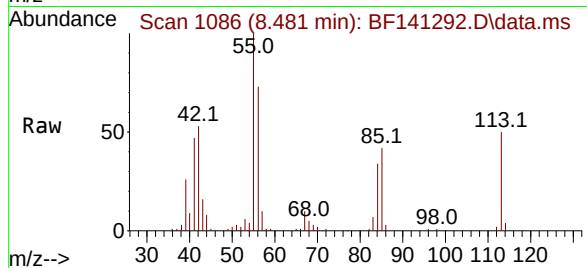
#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1086
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 2536
Ion Ratio Lower Upper
113 100
55 201.9 182.9 222.9
56 148.2 127.9 167.9

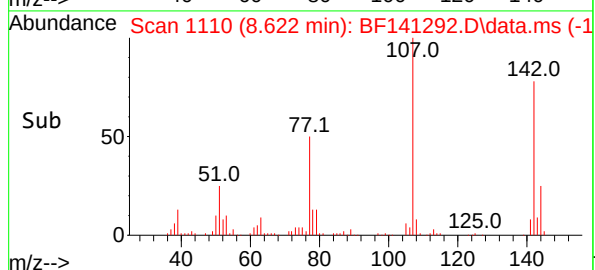
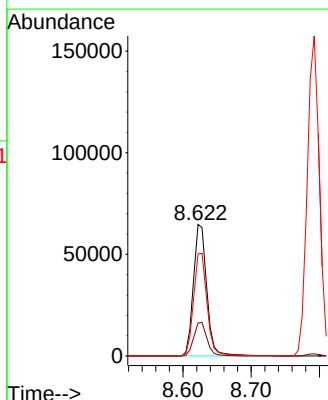
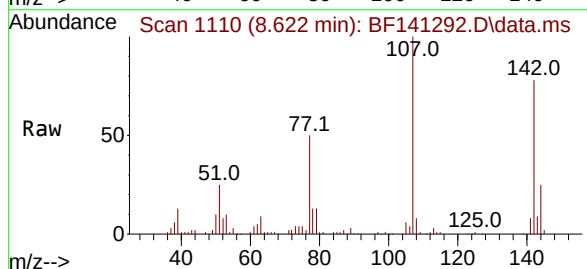
Manual Integrations
APPROVED

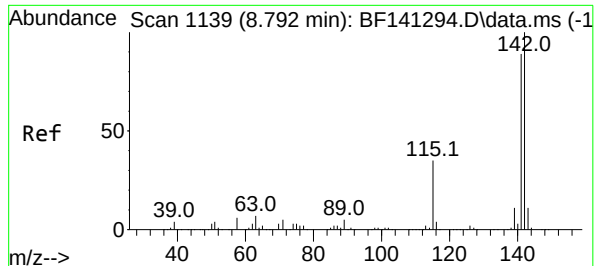
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 87592
Ion Ratio Lower Upper
107 100
144 25.1 20.7 31.1
142 77.6 63.8 95.8





#37

2-Methylnaphthalene

Concen: 10.925 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 195160

Ion Ratio Lower Upper

142 100

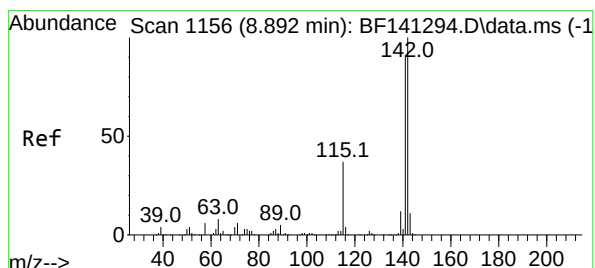
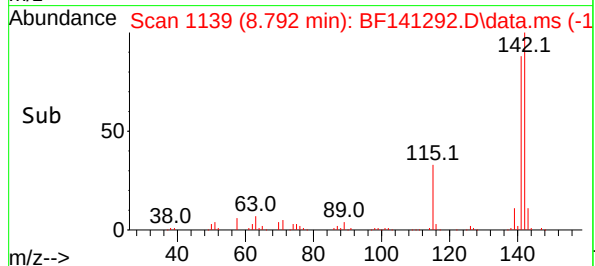
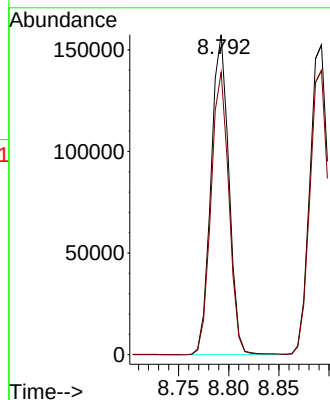
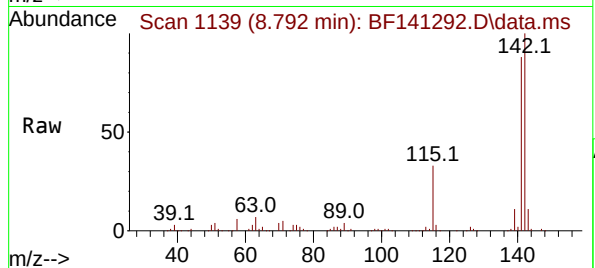
141 88.3 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 11.022 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141292.D

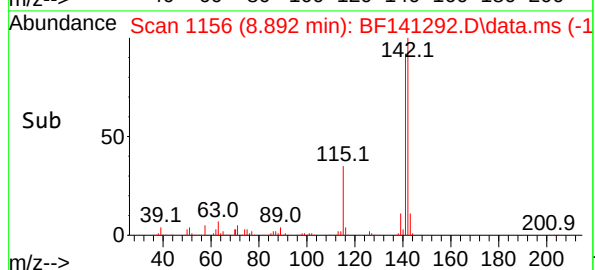
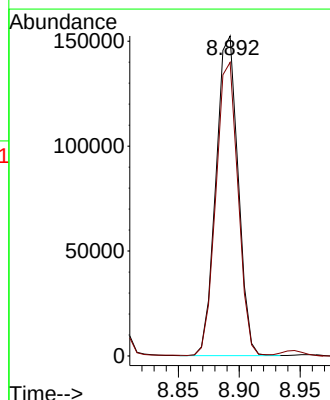
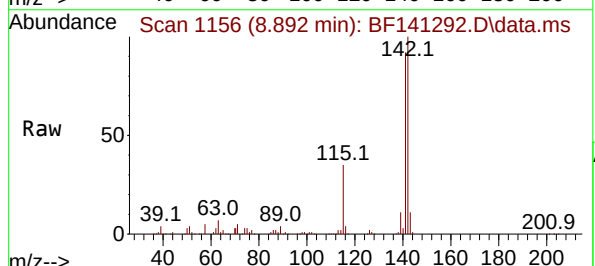
Acq: 29 Jan 2025 11:49

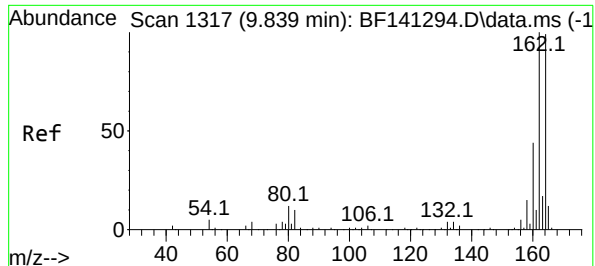
Tgt Ion:142 Resp: 192861

Ion Ratio Lower Upper

142 100

141 91.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:164 Resp: 28955

Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

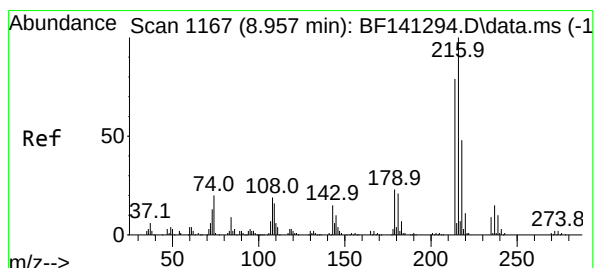
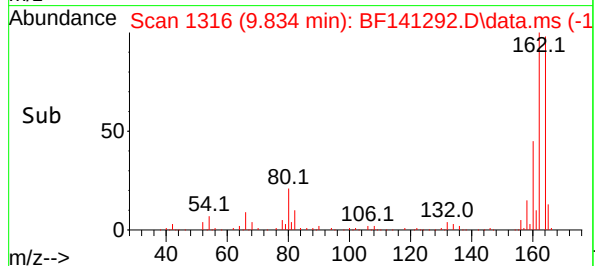
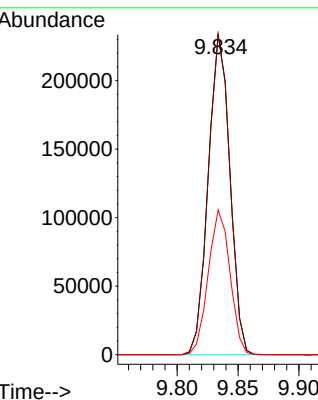
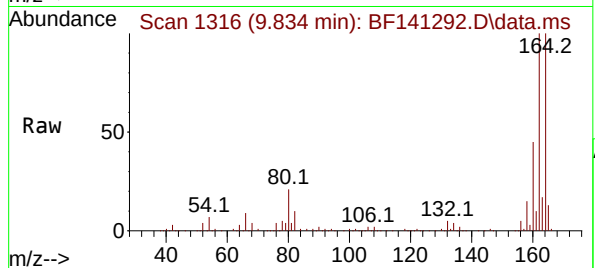
160 45.2 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.775 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

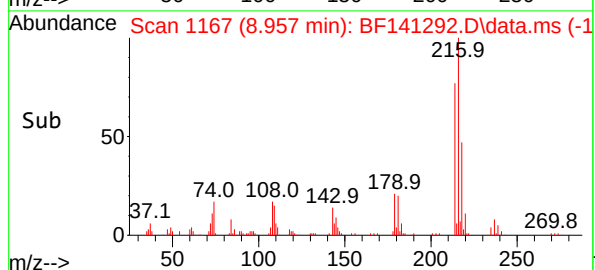
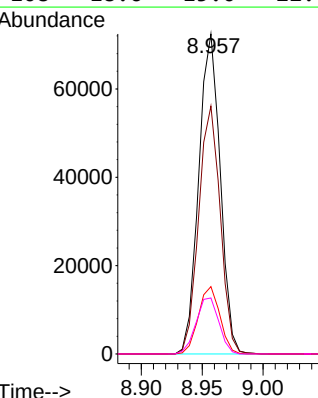
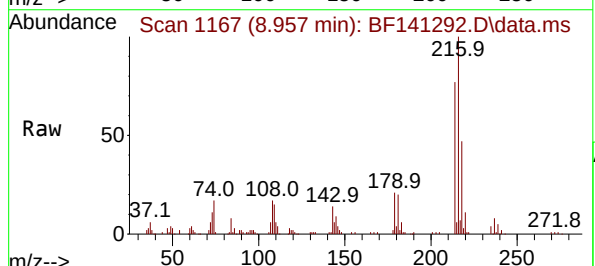
Ion Ratio Lower Upper

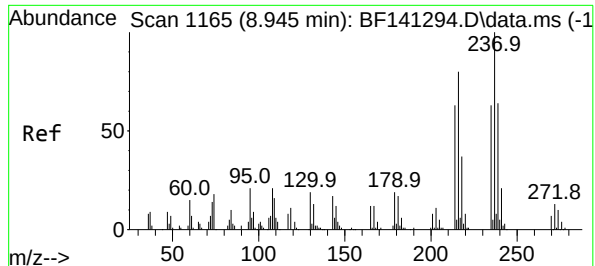
216 100

214 77.8 63.2 94.8

179 21.1 17.8 26.8

108 18.6 15.0 22.6





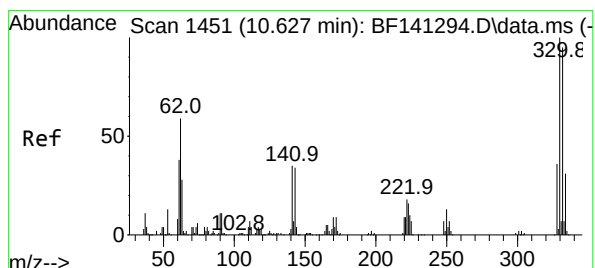
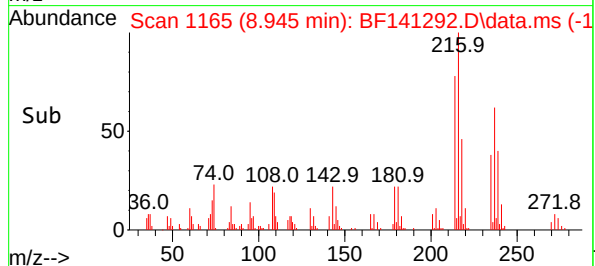
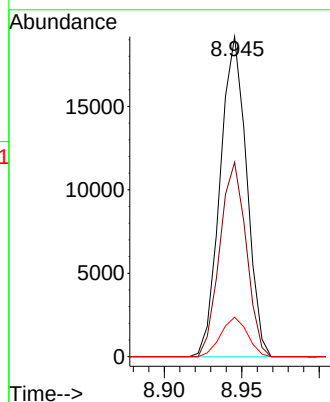
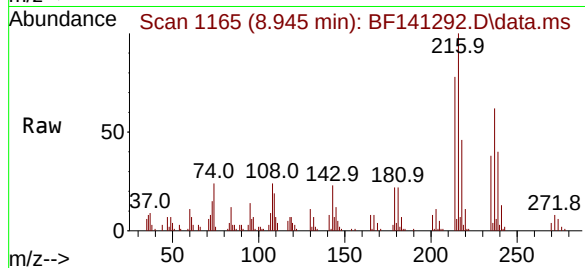
#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
Client Sample Id :
SSTDICC010

Tgt Ion: 237 Resp: 2275
Ion Ratio Lower Upper
237 100
235 60.8 42.9 82.9
272 12.3 0.0 32.8

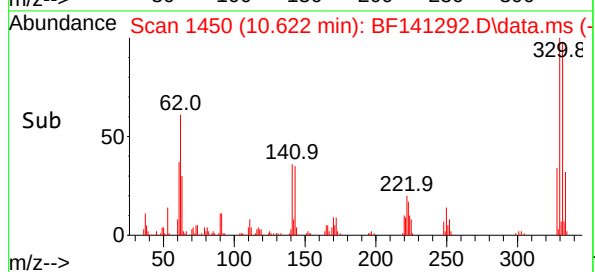
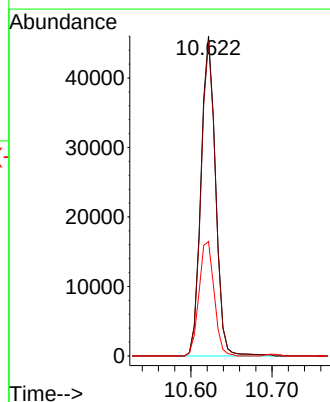
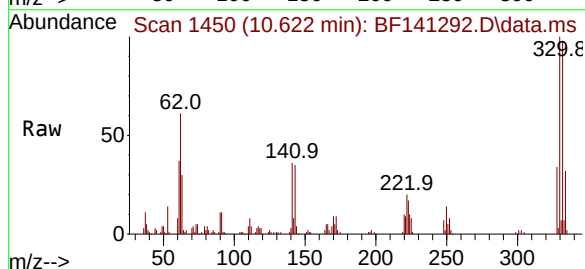
Manual Integrations
APPROVED

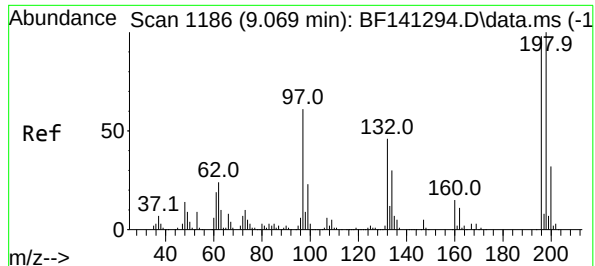
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 330 Resp: 57417
Ion Ratio Lower Upper
330 100
332 98.0 76.1 114.1
141 37.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 10.241 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 5503

Ion Ratio Lower Upper

196 100

198 101.0 81.8 122.6

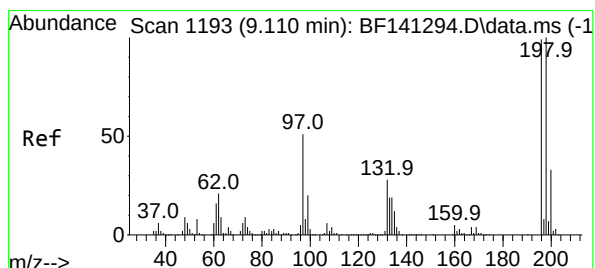
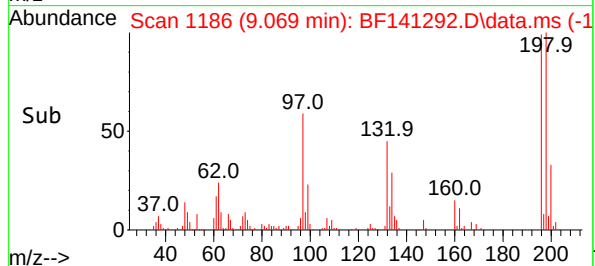
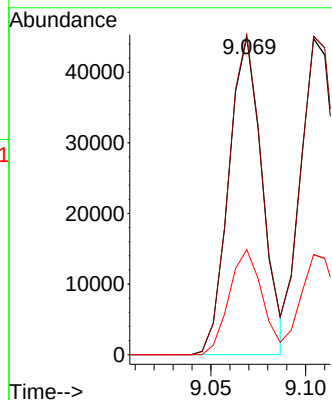
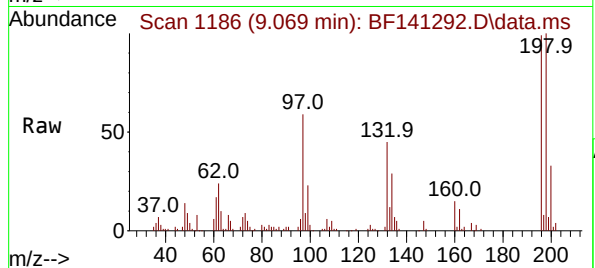
200 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 10.518 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

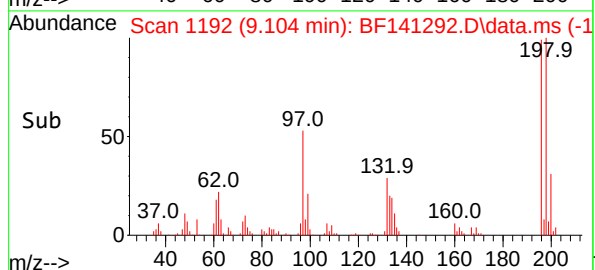
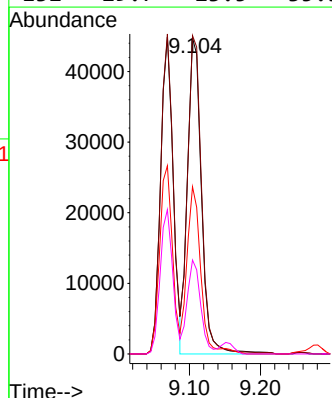
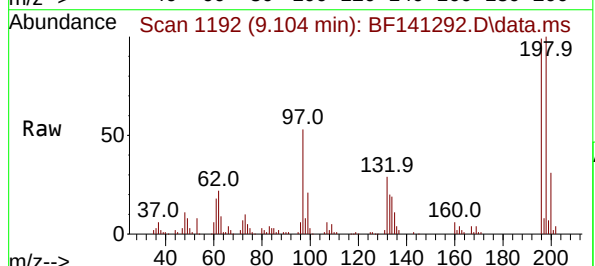
Ion Ratio Lower Upper

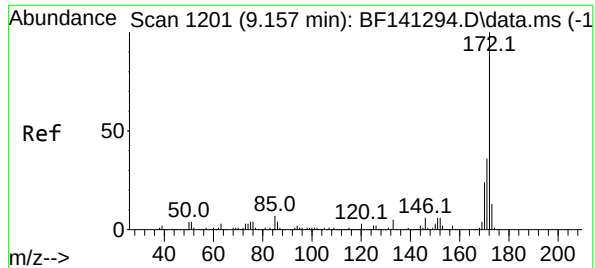
196 100

198 100.8 80.5 120.7

97 52.9 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 22.581 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 42385

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

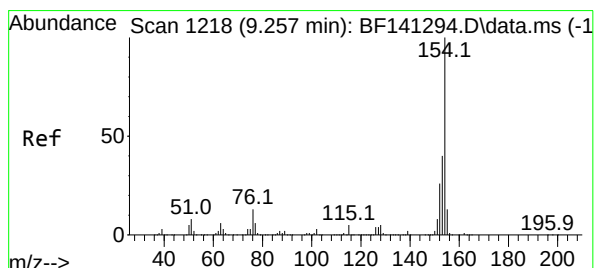
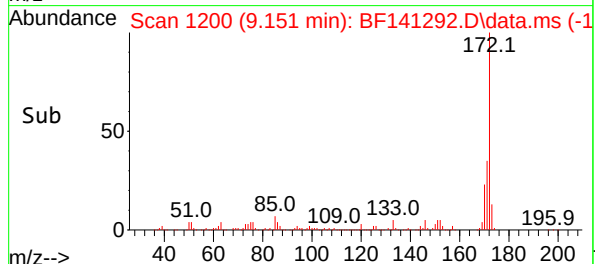
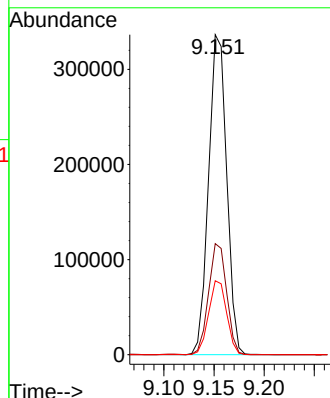
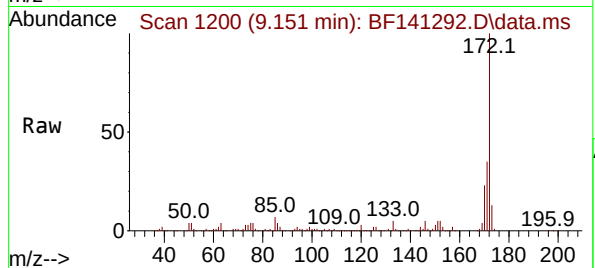
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 10.847 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

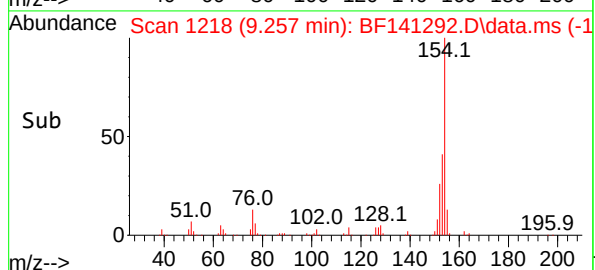
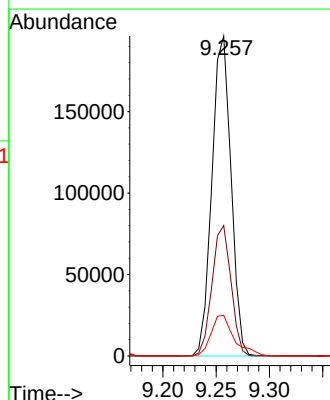
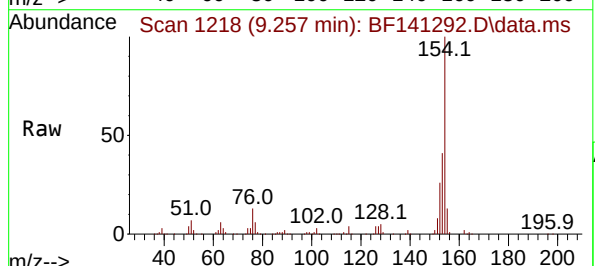
Tgt Ion:154 Resp: 245028

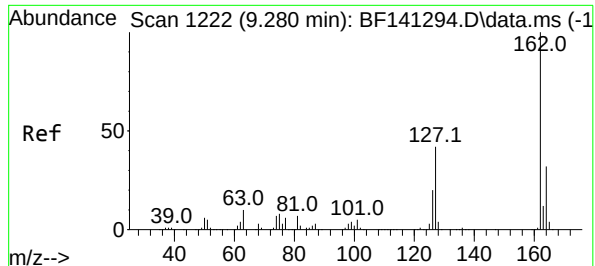
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.812 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141292.D

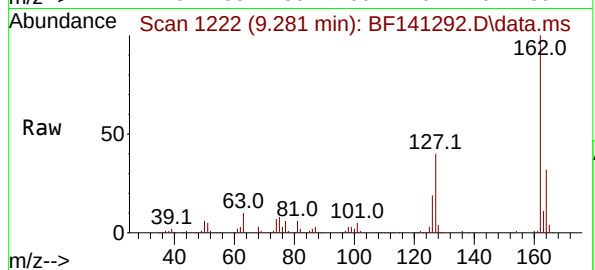
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 189709

Ion Ratio Lower Upper

162 100

127 40.2 33.7 50.5

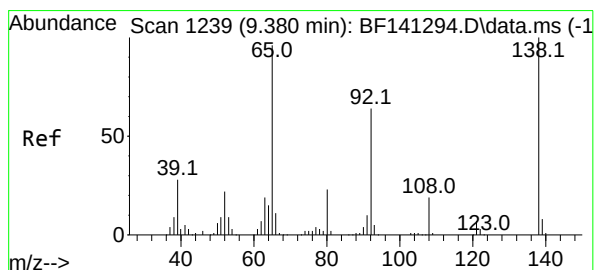
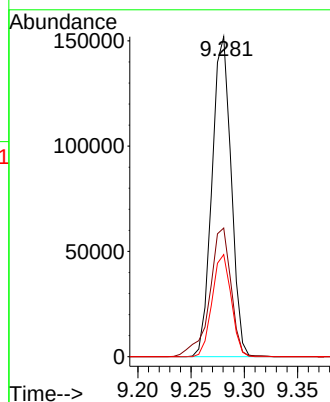
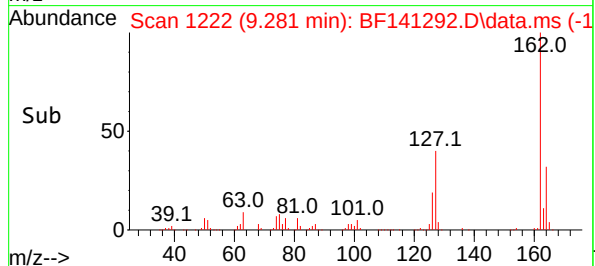
164 31.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 10.164 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

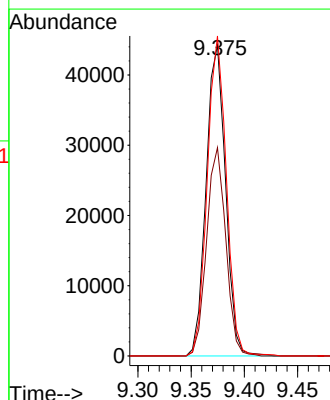
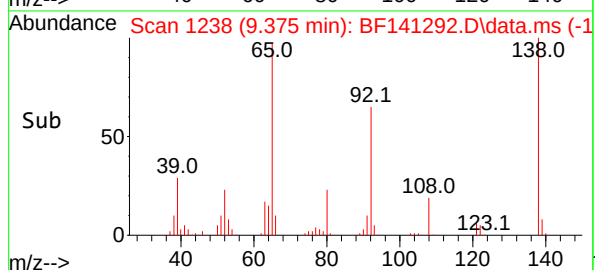
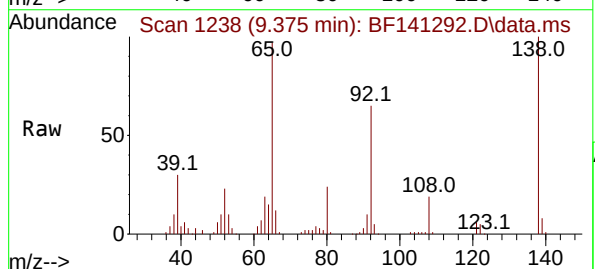
Tgt Ion: 65 Resp: 56247

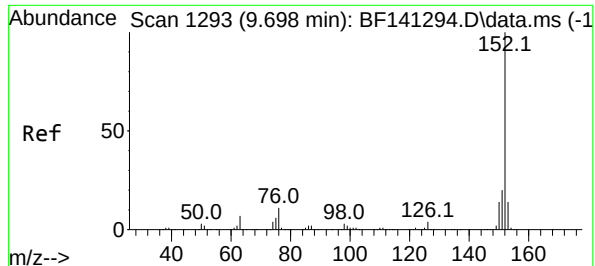
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

138 102.9 83.6 125.4





#49

Acenaphthylene

Concen: 10.895 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

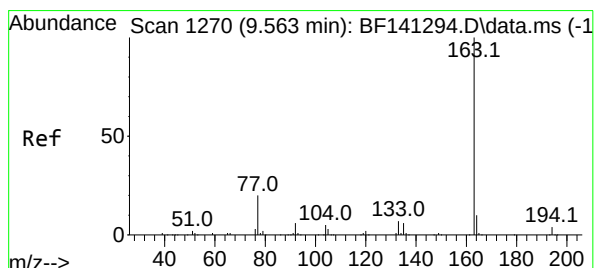
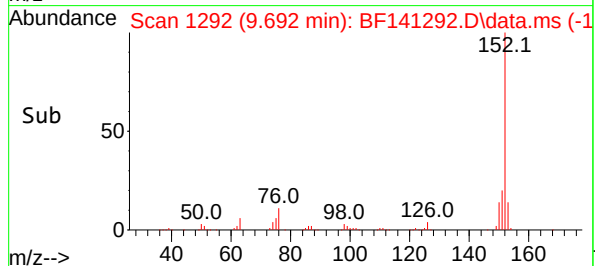
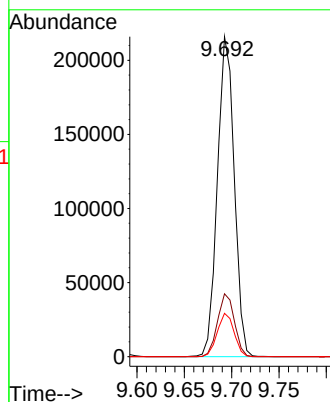
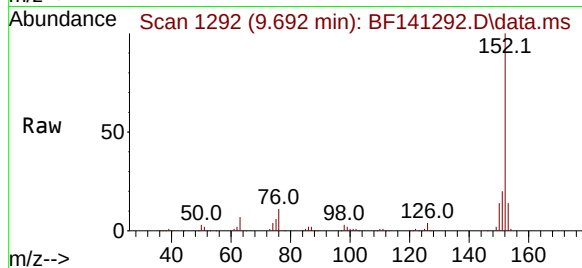
SSTDICC010

Tgt Ion:	152	Resp:	26847
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 10.857 ng

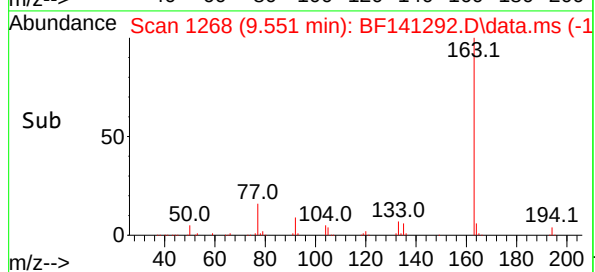
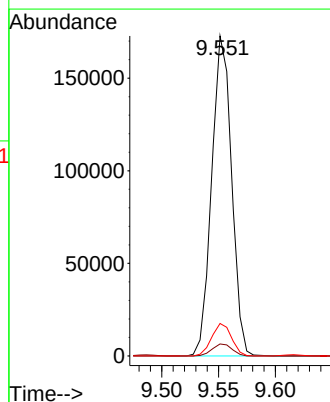
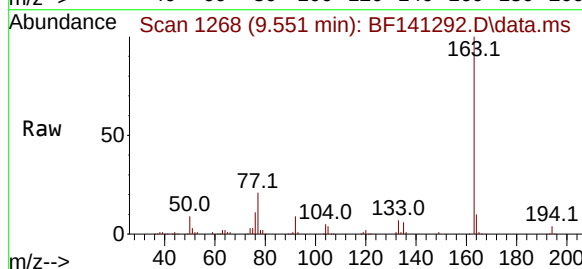
RT: 9.551 min Scan# 1268

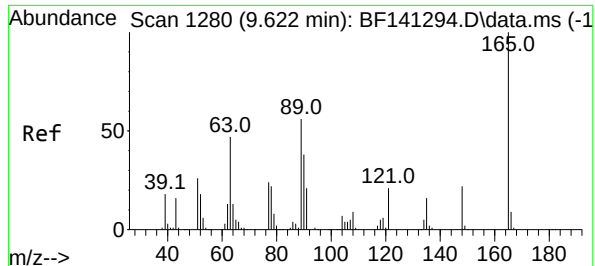
Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

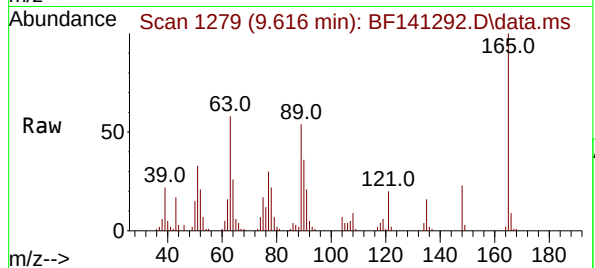
Tgt Ion:	163	Resp:	210816
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

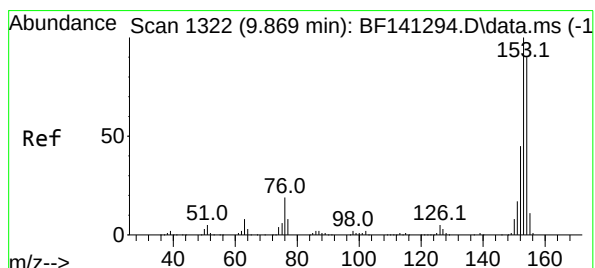
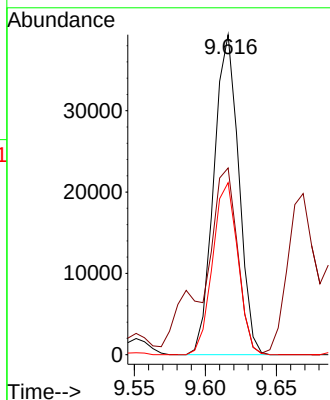
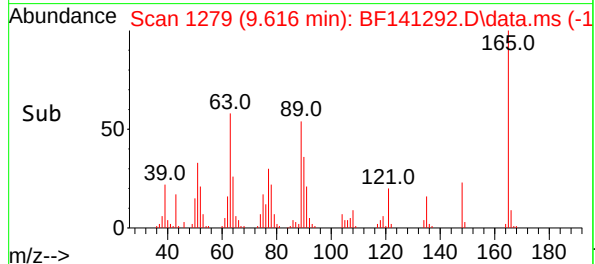
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 4795
Ion Ratio Lower Upper
165 100
63 58.3 48.1 72.1
89 53.7 44.9 67.3

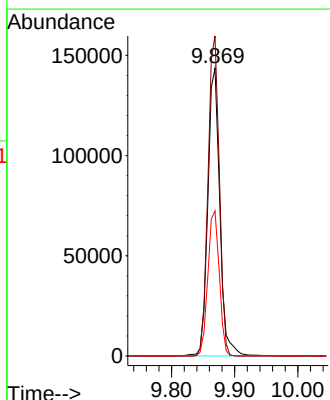
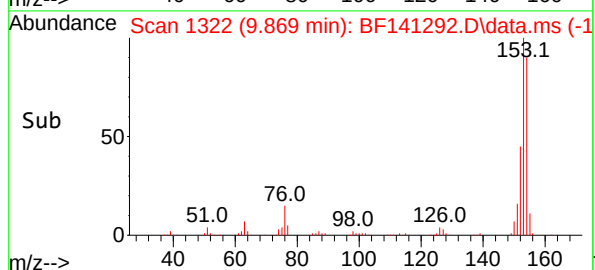
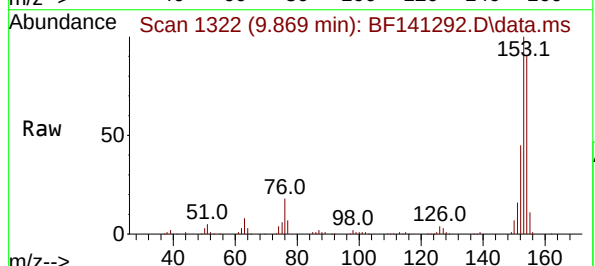
Manual Integrations
APPROVED

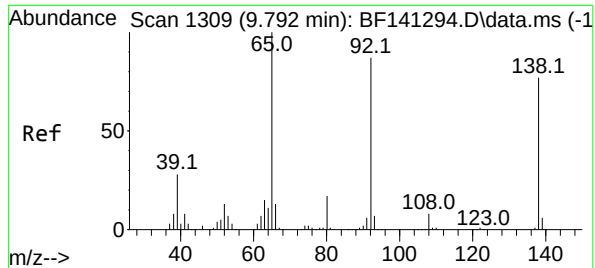
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 188283
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 50.4 40.2 60.4





#53

3-Nitroaniline

Concen: 10.699 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

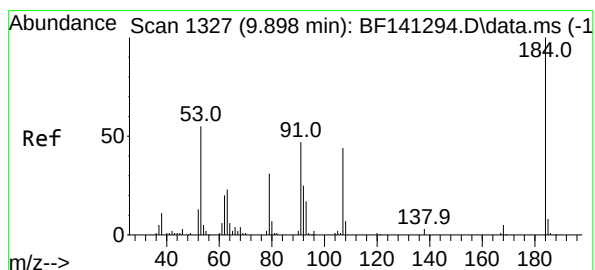
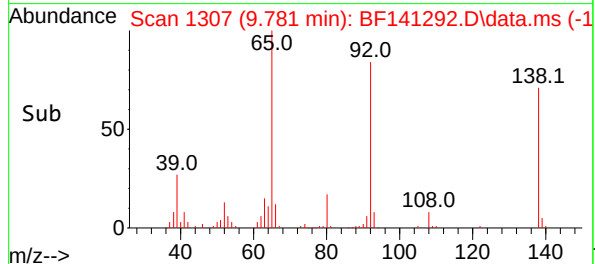
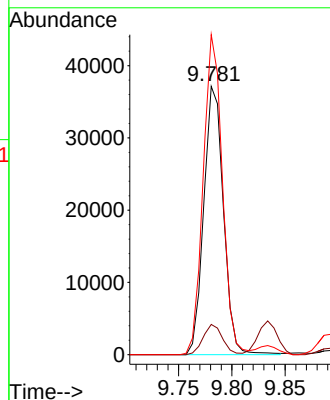
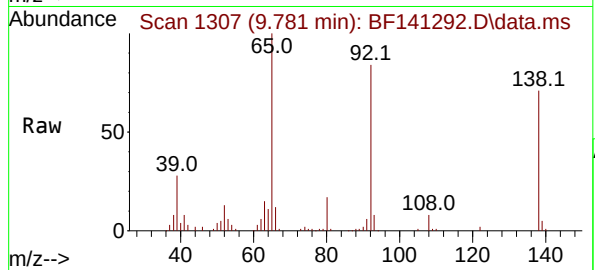
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:	138	Resp:	47818
Ion Ratio	Lower	Upper	
138	100		
108	11.3	8.6	12.8
92	119.2	91.0	136.6

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#54

2,4-Dinitrophenol

Concen: 6.925 ng

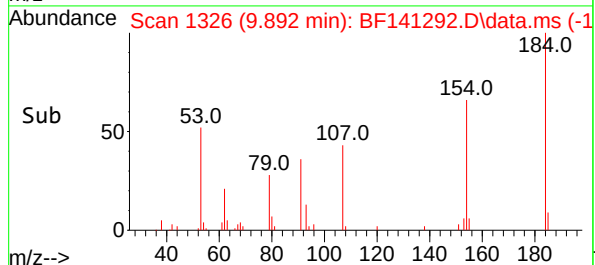
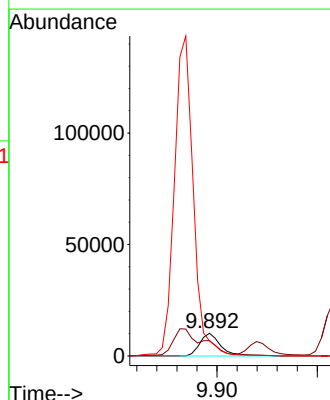
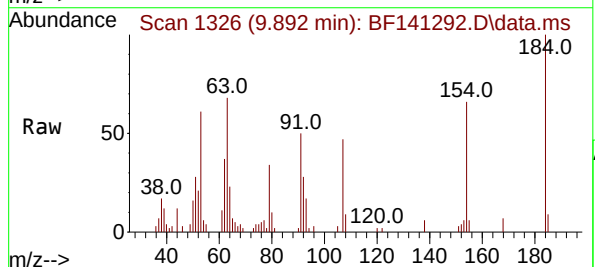
RT: 9.892 min Scan# 1326

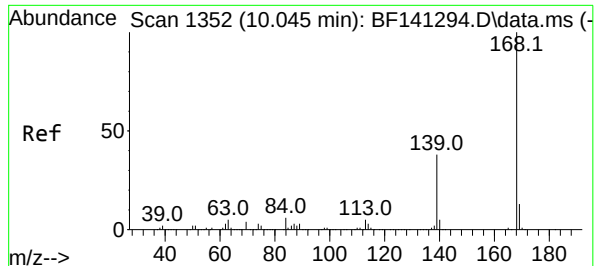
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:	184	Resp:	14749
Ion Ratio	Lower	Upper	
184	100		
63	67.9	54.1	81.1
154	66.2	50.7	76.1





#55

Dibenzofuran

Concen: 11.038 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 25883

Ion Ratio Lower Upper

168 100

139 37.7 30.6 46.0

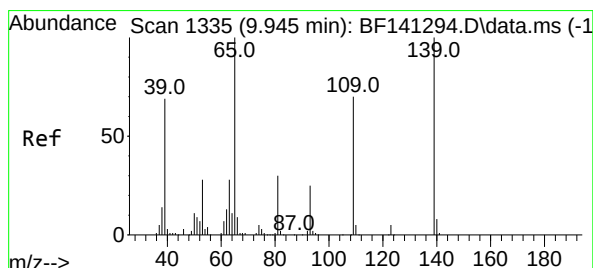
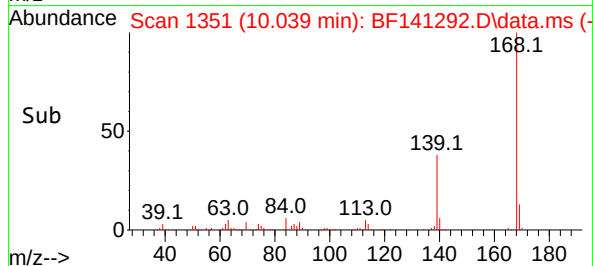
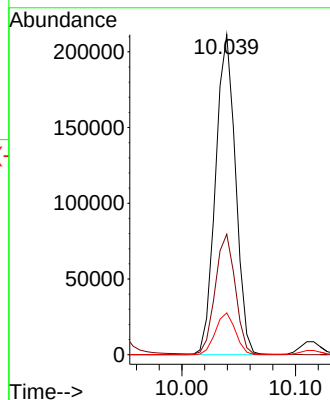
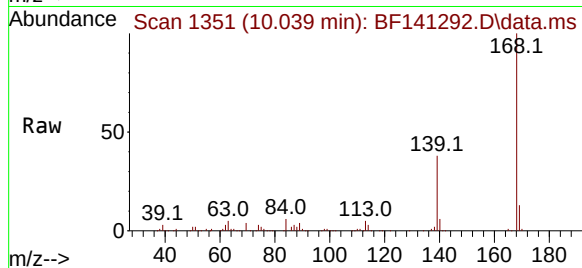
169 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 9.722 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

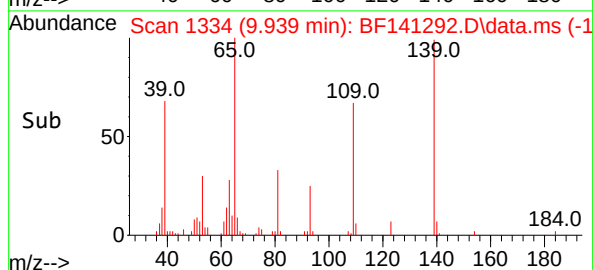
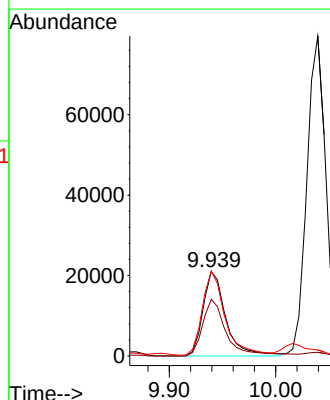
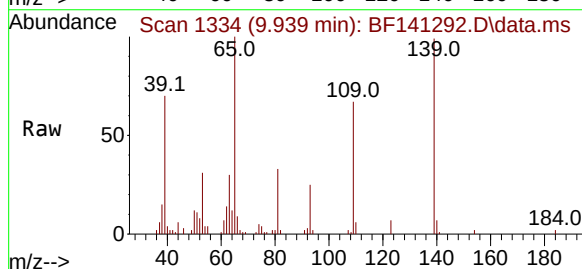
Tgt Ion:139 Resp: 31196

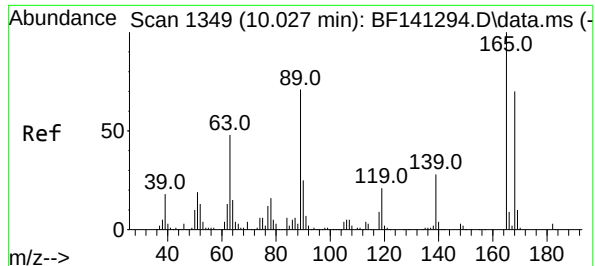
Ion Ratio Lower Upper

139 100

109 67.1 50.2 90.2

65 100.6 80.6 120.6





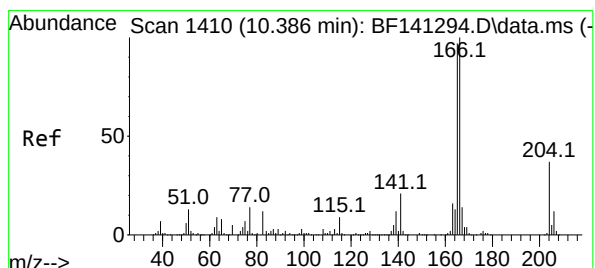
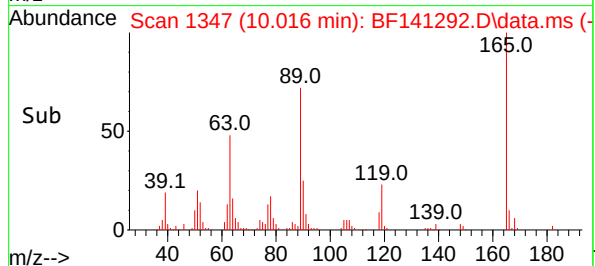
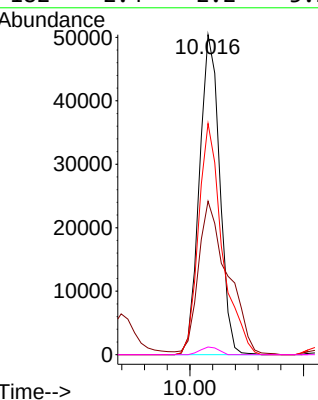
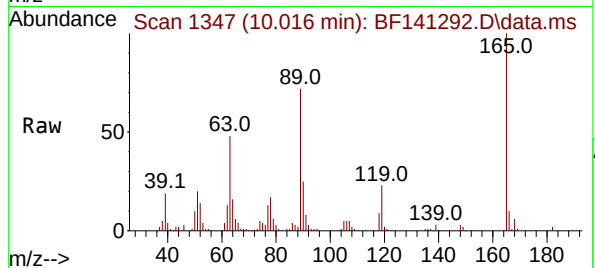
#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 62418
Ion Ratio Lower Upper
165 100
63 48.0 39.2 58.8
89 72.2 56.9 85.3
182 2.4 2.2 3.2

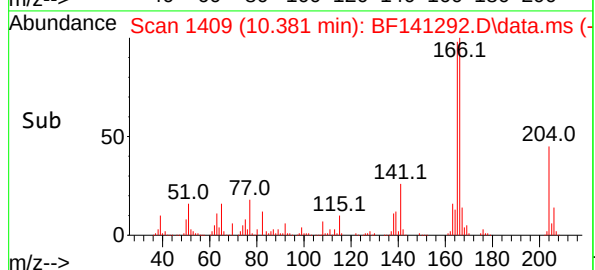
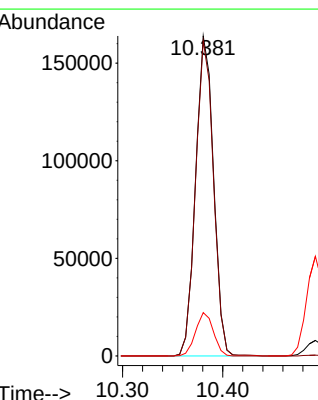
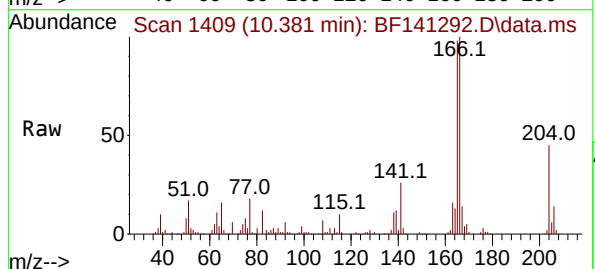
Manual Integrations
APPROVED

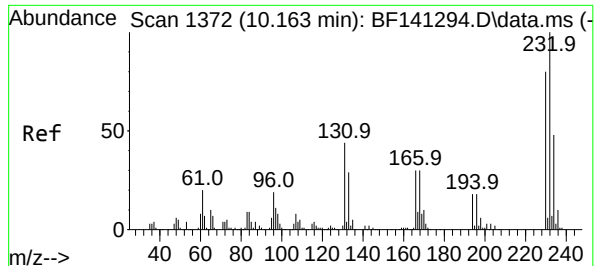
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

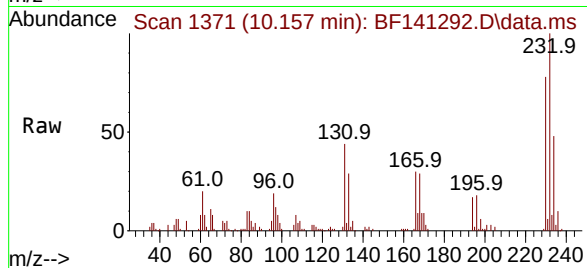
Tgt Ion:166 Resp: 204141
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

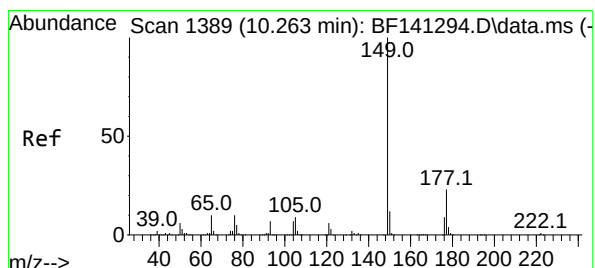
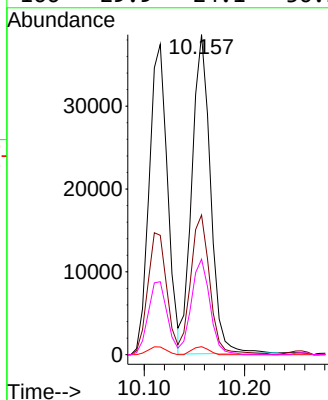
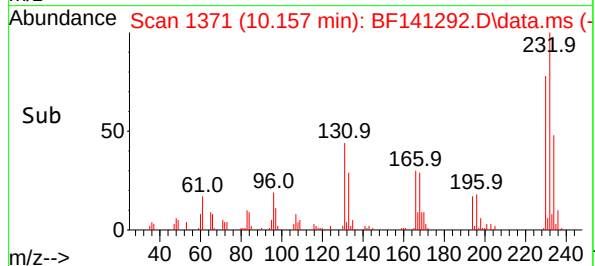
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



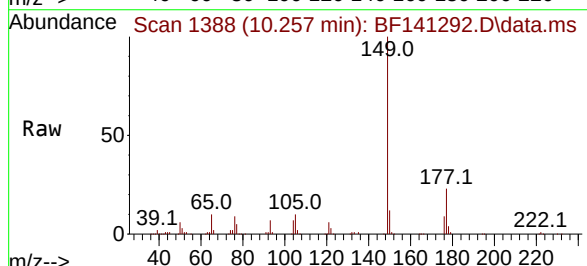
Tgt Ion:232 Resp: 49590
Ion Ratio Lower Upper
232 100
131 45.2 36.4 54.6
130 2.2 1.9 2.9
166 29.9 24.1 36.1

Manual Integrations
APPROVED

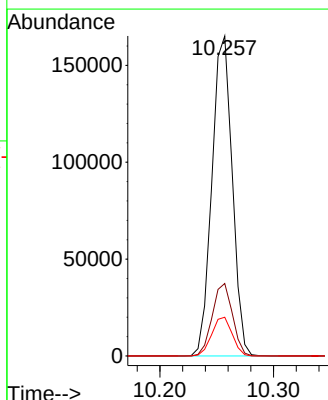
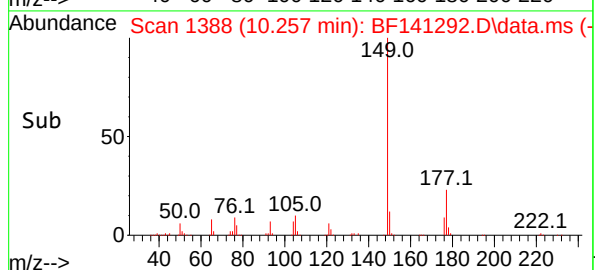
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

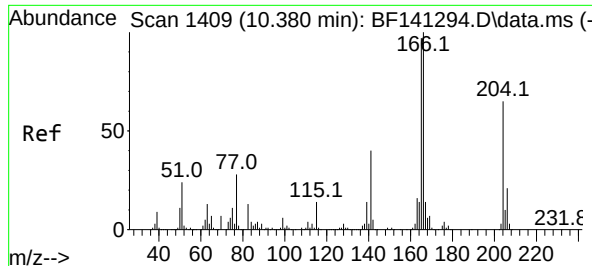


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



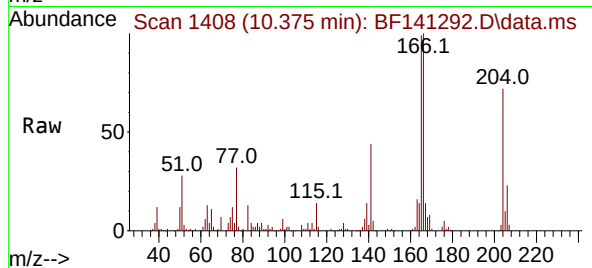
Tgt Ion:149 Resp: 205131
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.1 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

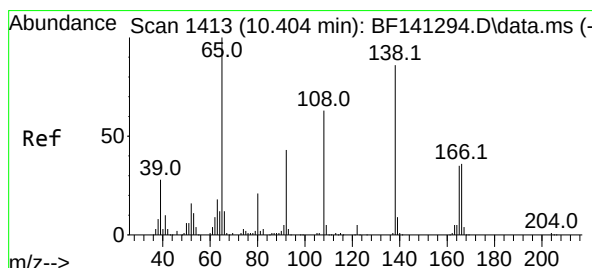
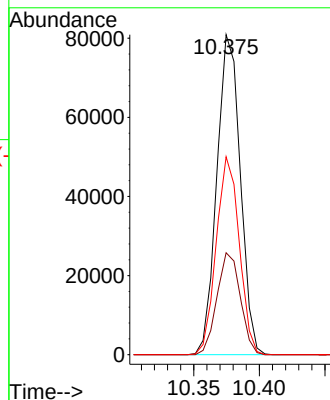
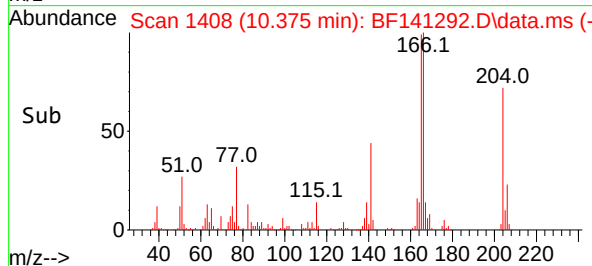
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 100485
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 61.8 49.5 74.3

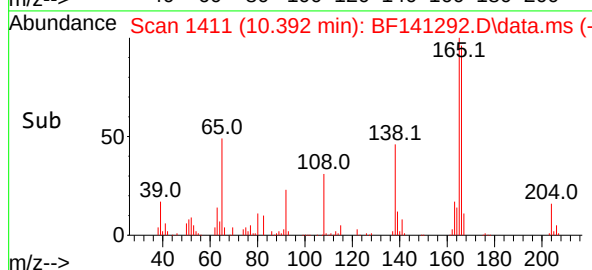
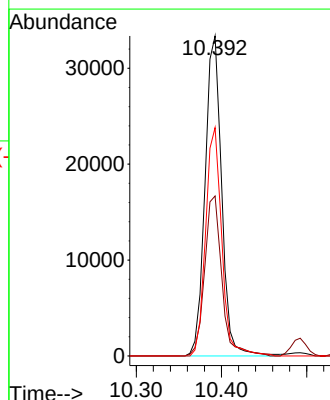
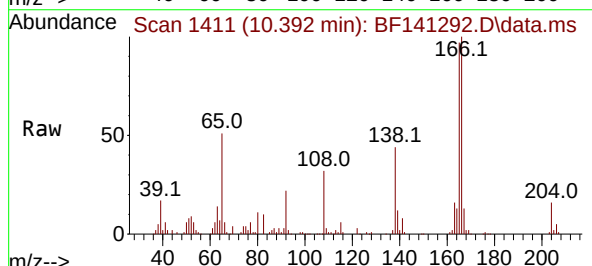
Manual Integrations
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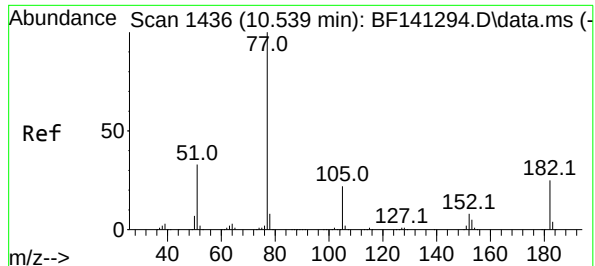
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 45222
Ion Ratio Lower Upper
138 100
92 50.0 30.1 70.1
108 71.3 53.1 93.1





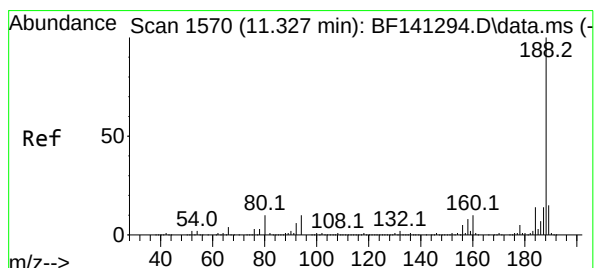
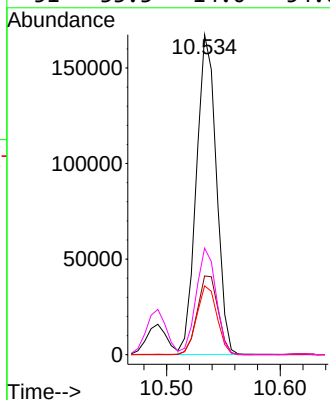
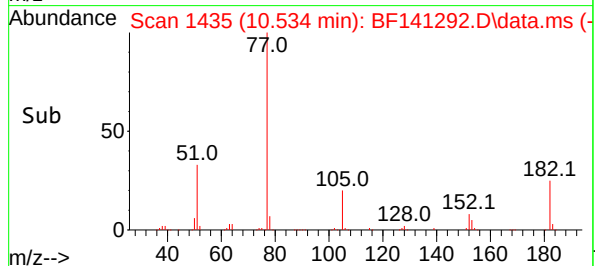
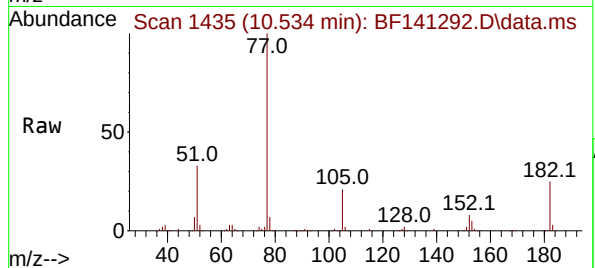
#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 204300
Ion Ratio Lower Upper
77 100
182 24.6 5.1 45.1
105 21.5 1.8 41.8
51 33.3 14.0 54.0

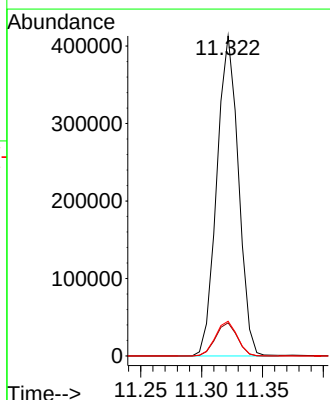
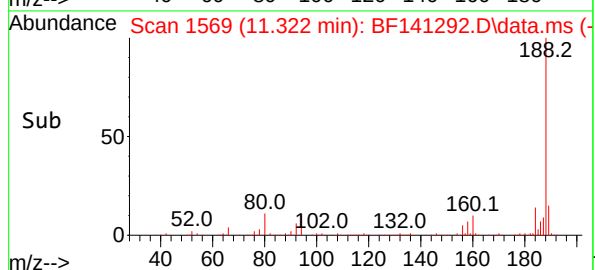
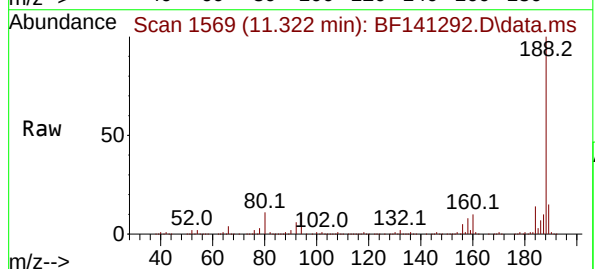
Manual Integrations
APPROVED

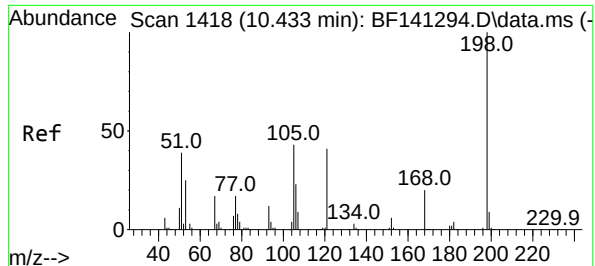
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

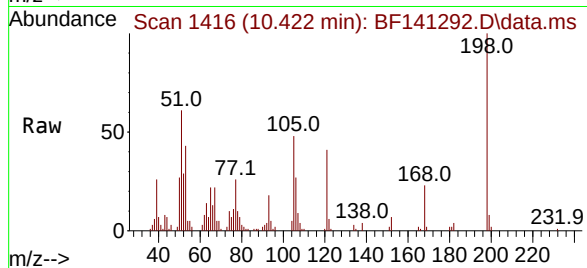
Tgt Ion:188 Resp: 510795
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.9 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

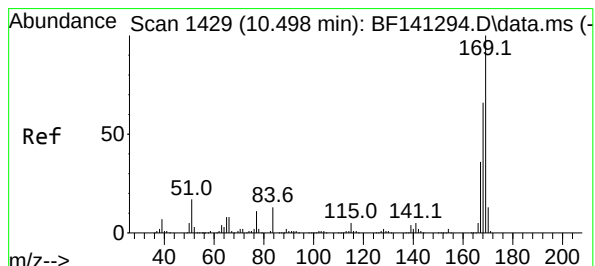
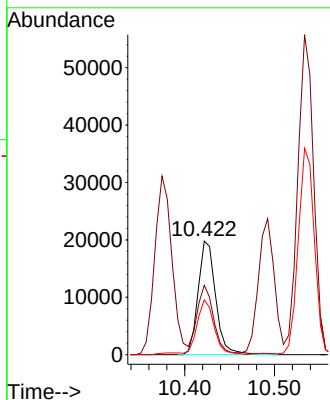
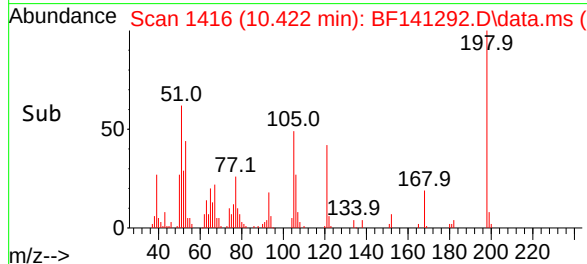
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



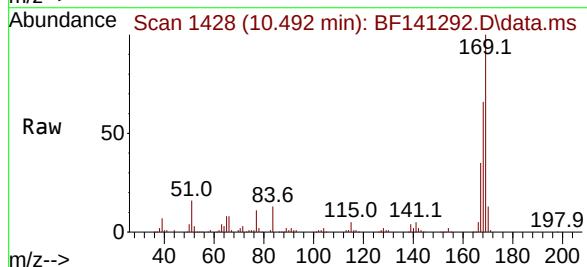
Tgt Ion:198 Resp: 26939
Ion Ratio Lower Upper
198 100
51 61.2 33.4 73.4
105 48.3 24.4 64.4

Manual Integrations
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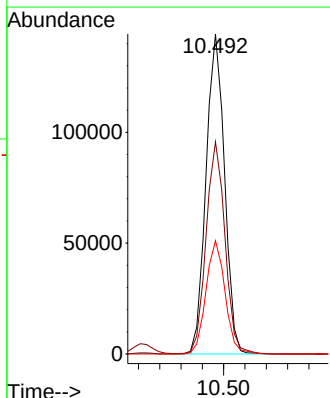
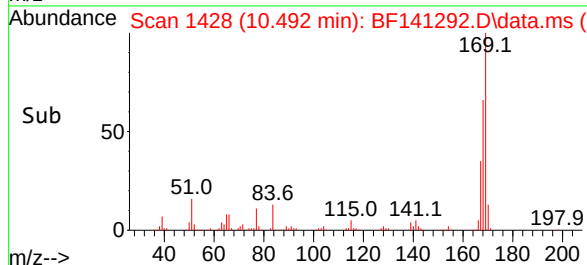
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

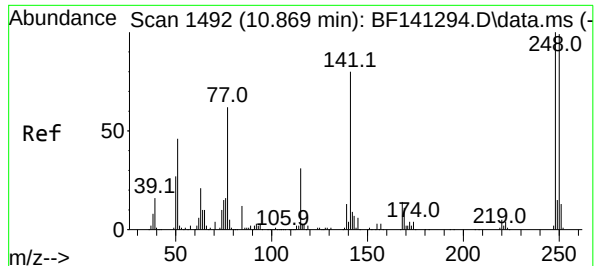


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



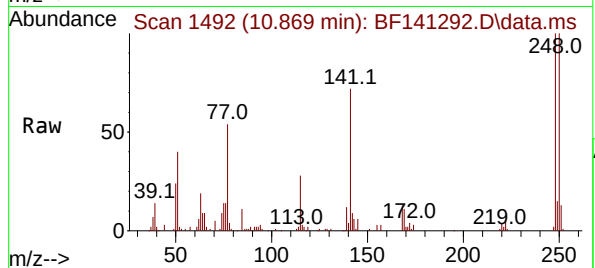
Tgt Ion:169 Resp: 174617
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

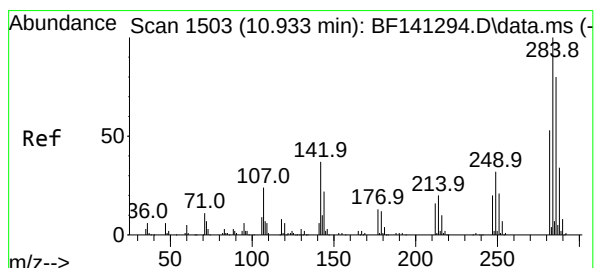
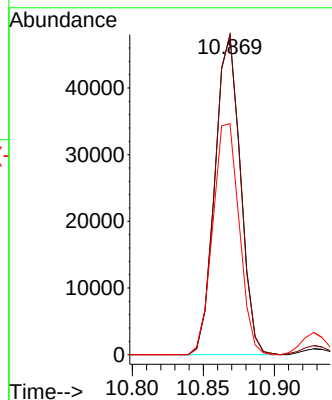
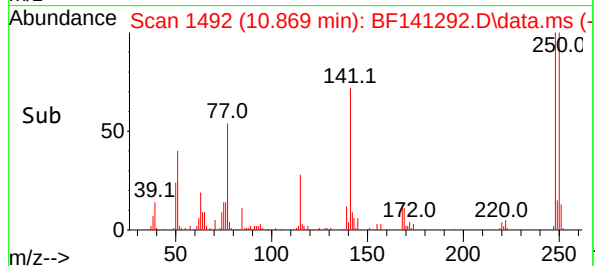
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 59770
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 72.2 63.7 95.5

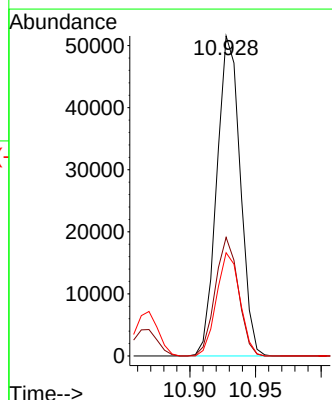
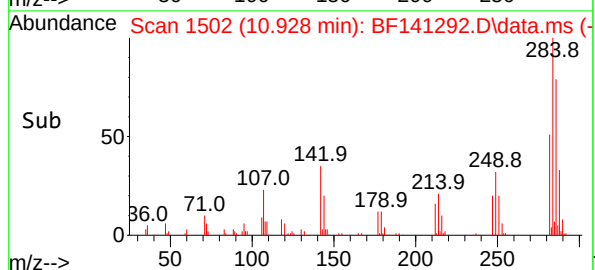
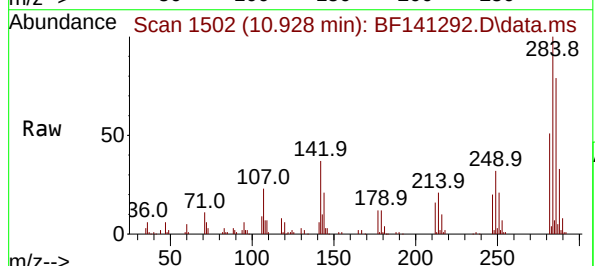
Manual Integrations
APPROVED

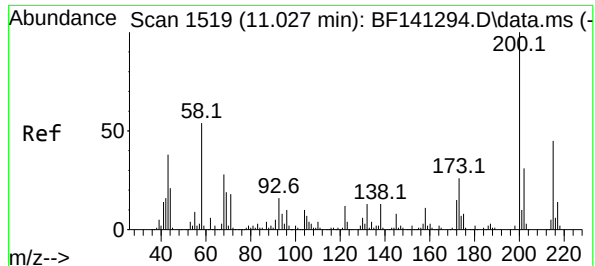
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908
Ion Ratio Lower Upper
284 100
142 37.0 29.5 44.3
249 32.2 25.4 38.2





#69

Atrazine

Concen: 9.295 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

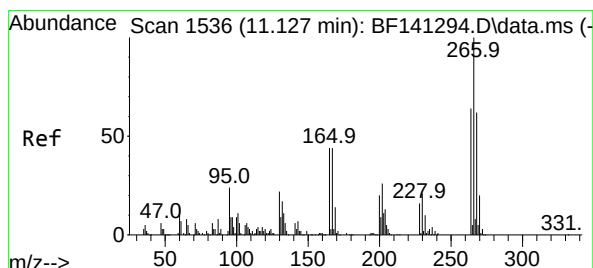
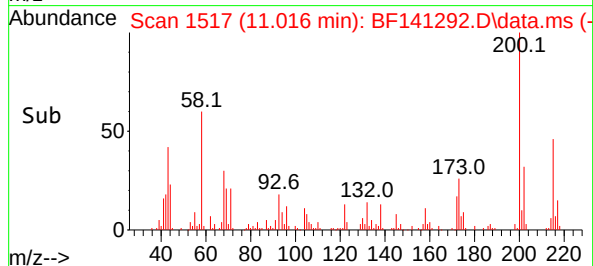
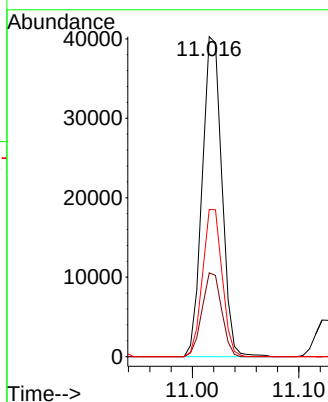
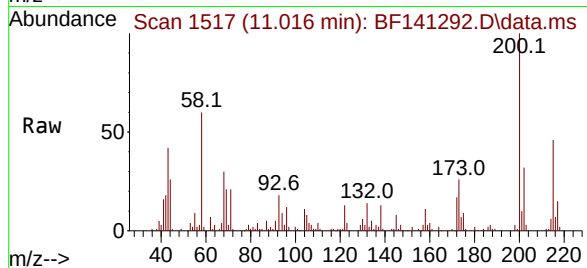
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion	200	Resp	5163
Ion Ratio	Lower	Upper	
200	100		
173	26.2	5.9	45.9
215	46.0	25.2	65.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 9.796 ng

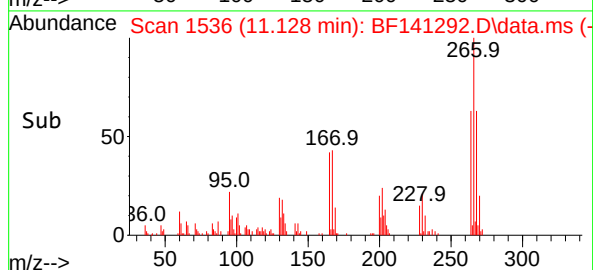
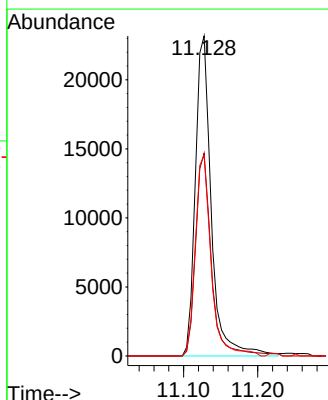
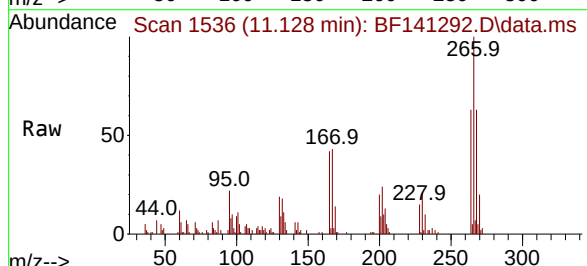
RT: 11.128 min Scan# 1536

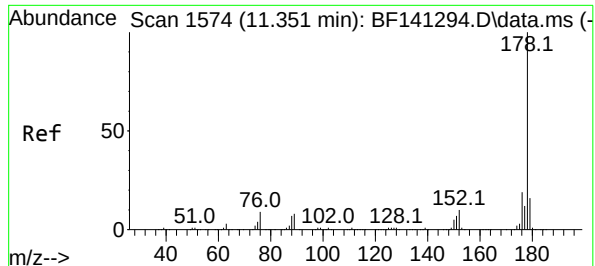
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

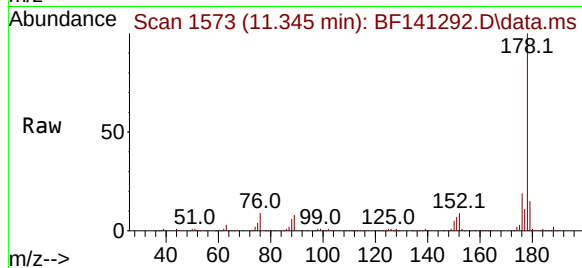
Tgt Ion	266	Resp	34788
Ion Ratio	Lower	Upper	
266	100		
268	63.4	49.9	74.9
264	62.7	51.0	76.4





#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

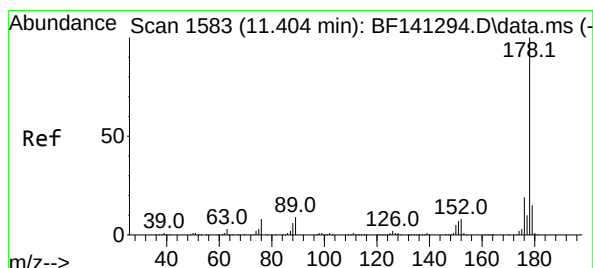
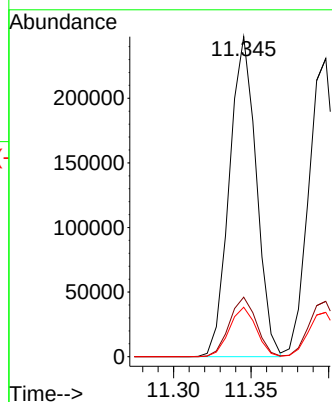
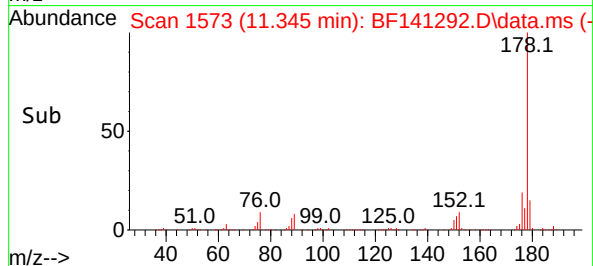
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 298892
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.5 18.7

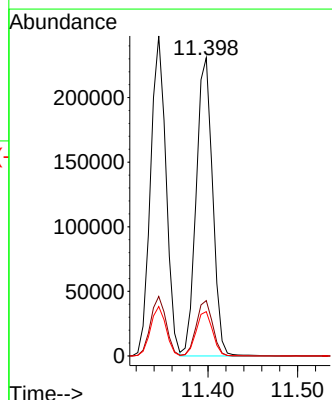
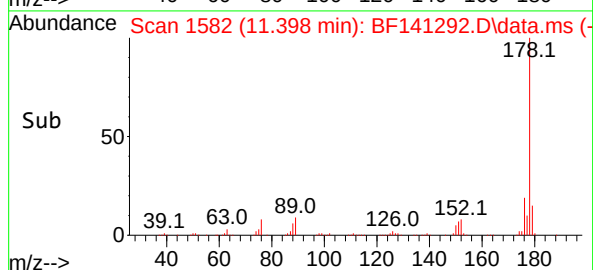
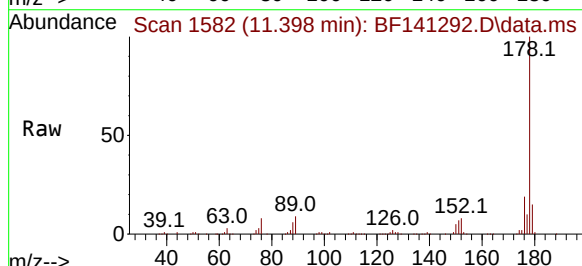
Manual Integrations
APPROVED

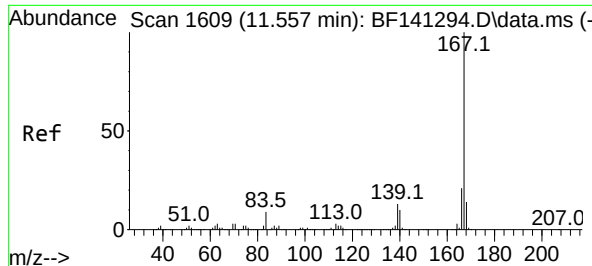
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

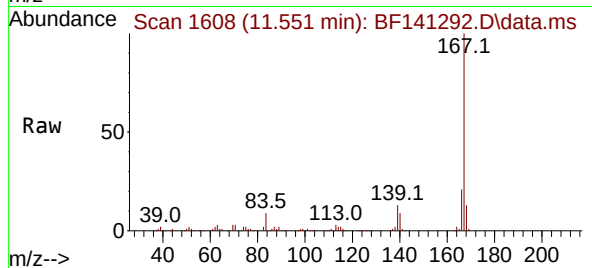
Tgt Ion:178 Resp: 292813
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 14.9 12.3 18.5





#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

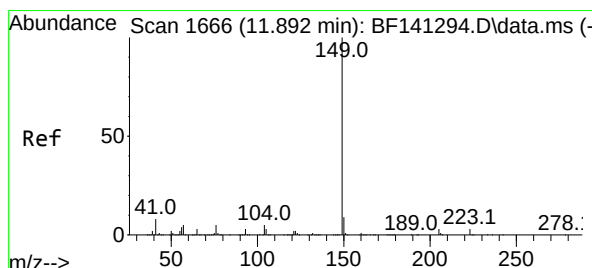
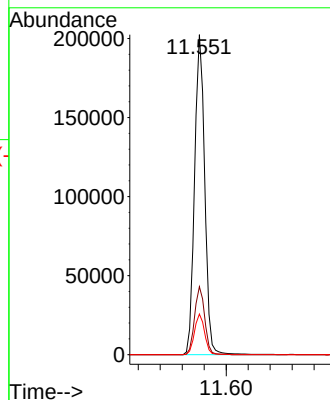
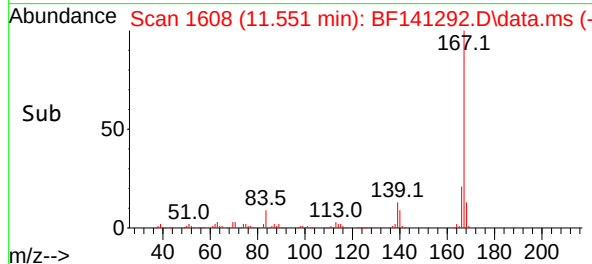
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 25885
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.6 16.0

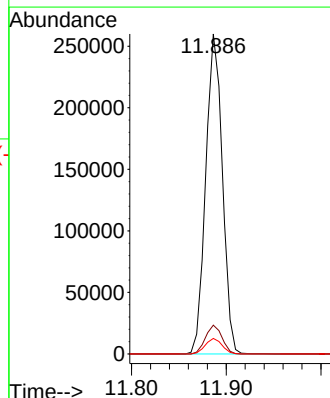
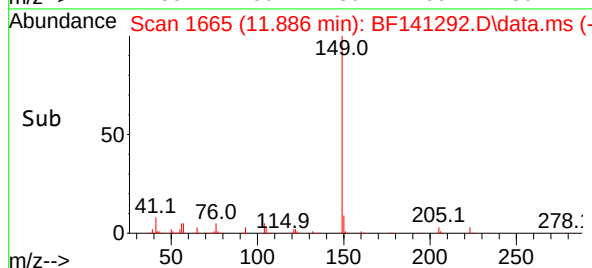
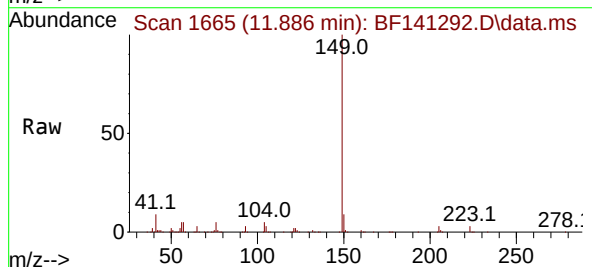
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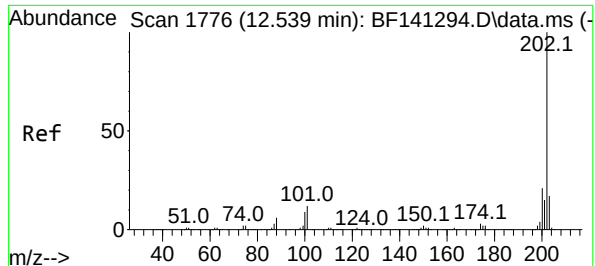
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

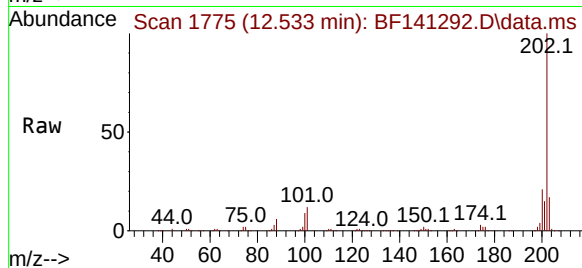
Tgt Ion:149 Resp: 316336
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

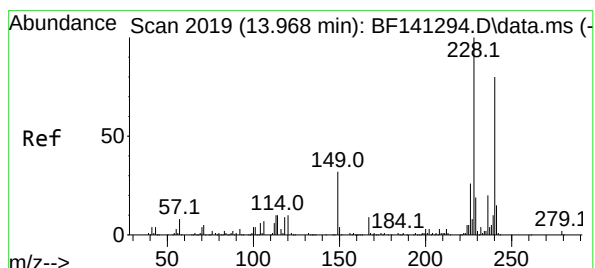
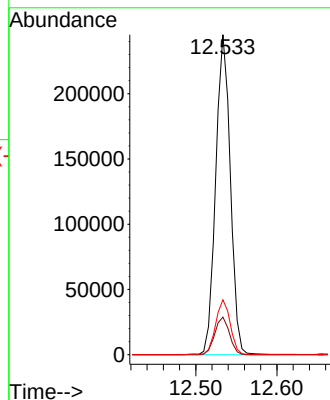
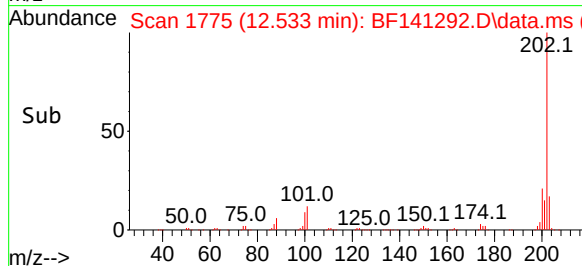
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



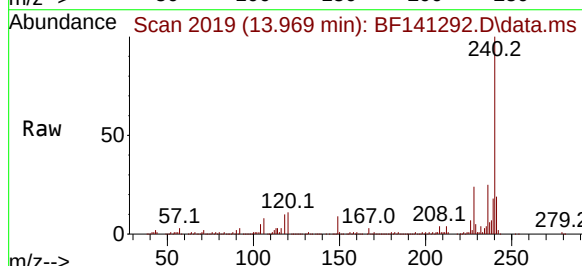
Tgt Ion:202 Resp: 30696
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.1 0.0 37.5

Manual Integrations
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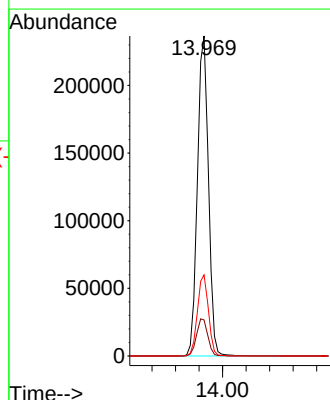
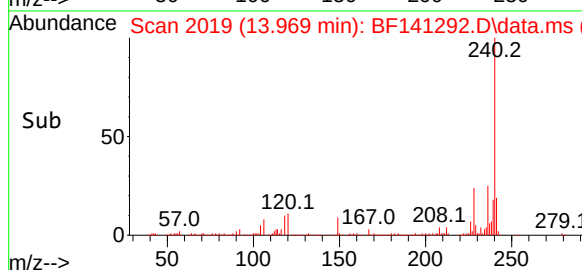
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

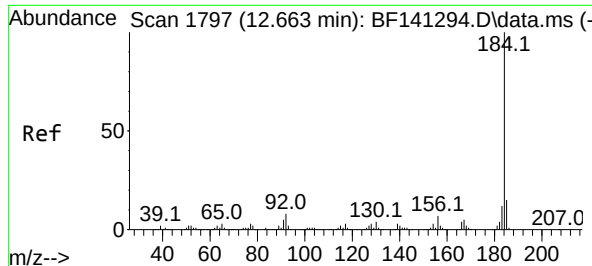


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:240 Resp: 308114
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.4 19.7 29.5





#77

Benzidine

Concen: 7.890 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

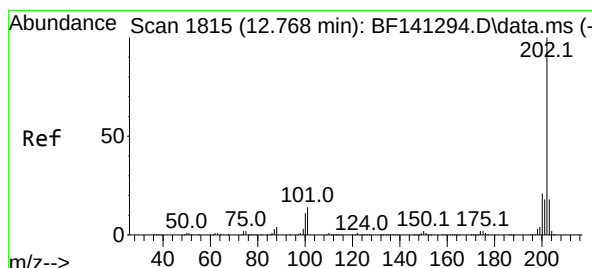
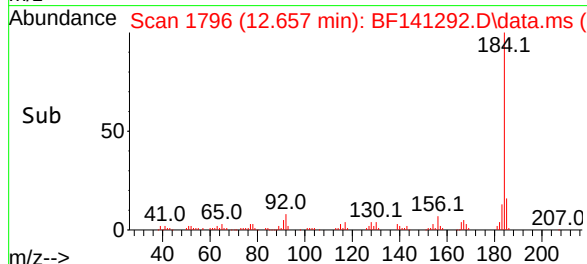
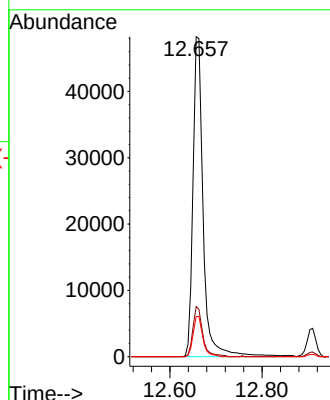
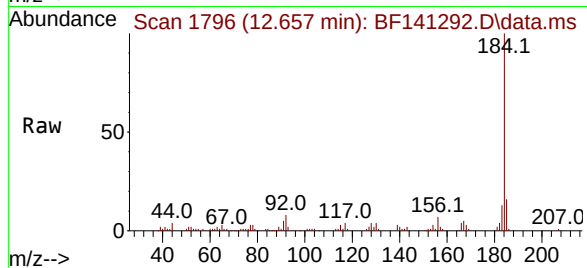
SSTDICC010

Tgt Ion:184	Resp:	73918
Ion Ratio	Lower	Upper
184	100	
185	15.6	11.9 17.9
183	12.6	9.5 14.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 10.681 ng

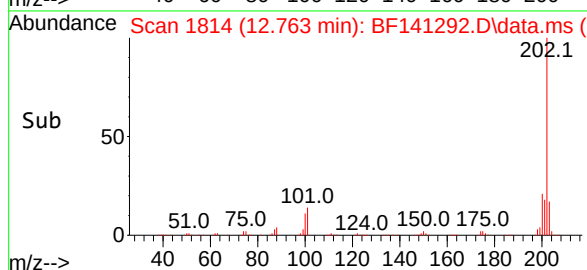
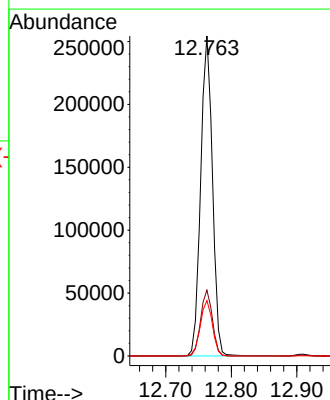
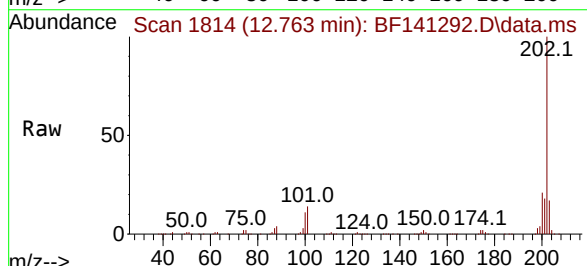
RT: 12.763 min Scan# 1814

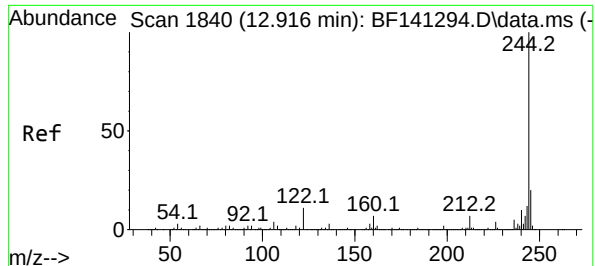
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

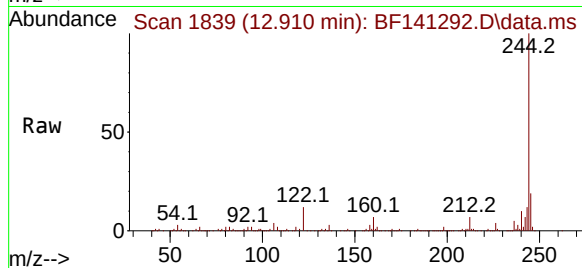
Tgt Ion:202	Resp:	317744
Ion Ratio	Lower	Upper
202	100	
200	20.5	17.0 25.4
203	17.3	14.3 21.5





#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

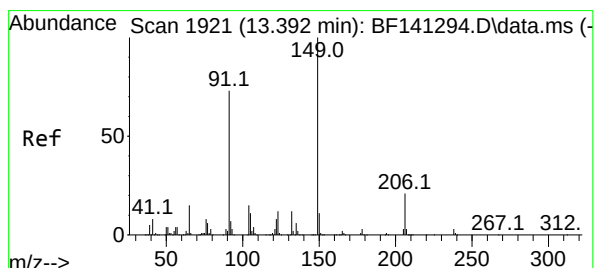
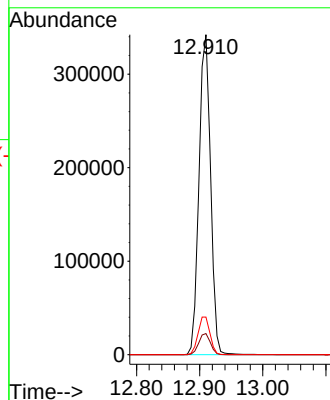
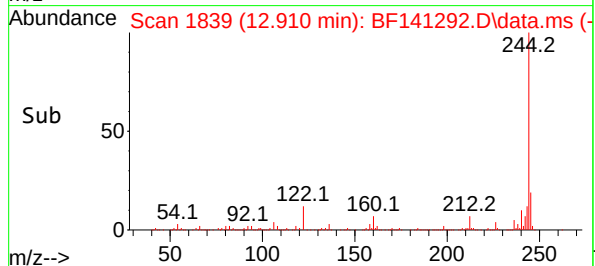
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



Tgt Ion:244 Resp: 43478
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.7 8.8 13.2

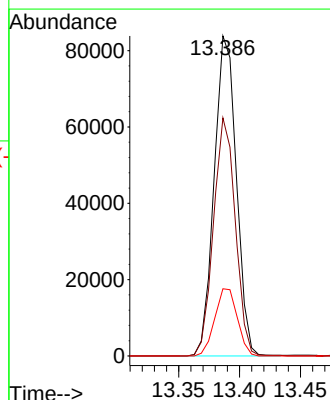
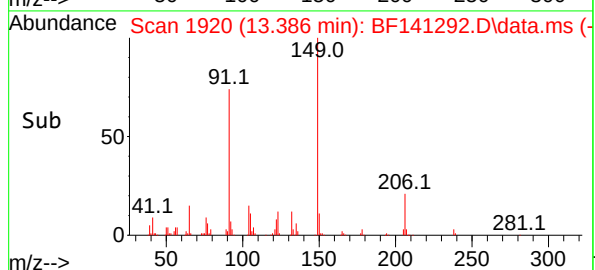
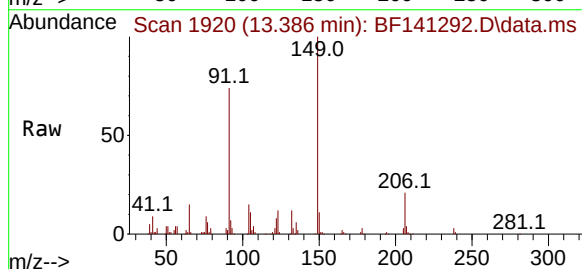
Manual Integrations
APPROVED

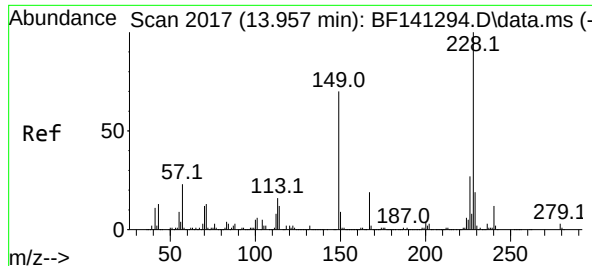
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 106335
Ion Ratio Lower Upper
149 100
91 74.4 58.6 87.8
206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 10.289 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 21729

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

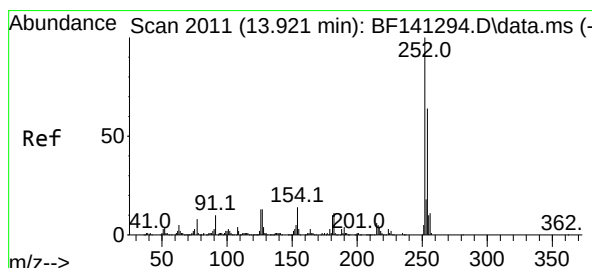
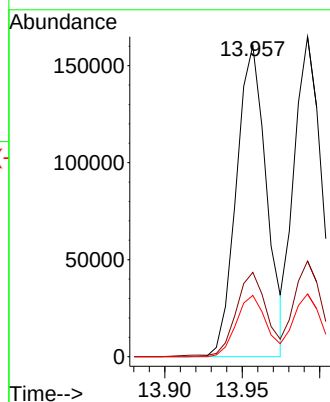
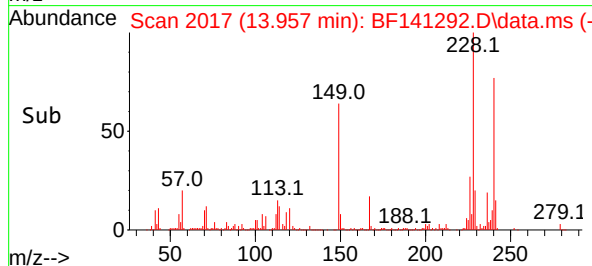
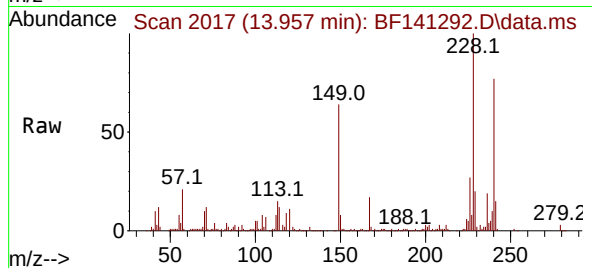
229 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#82

3,3'-Dichlorobenzidine

Concen: 9.833 ng

RT: 13.922 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

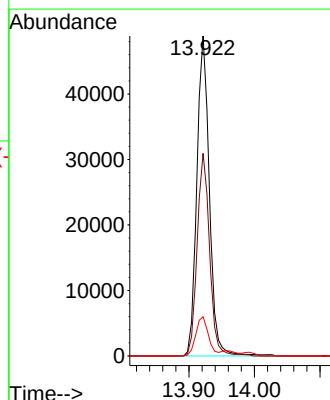
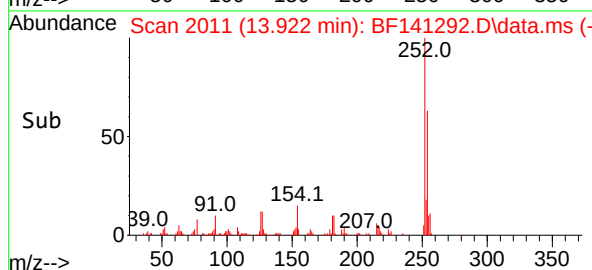
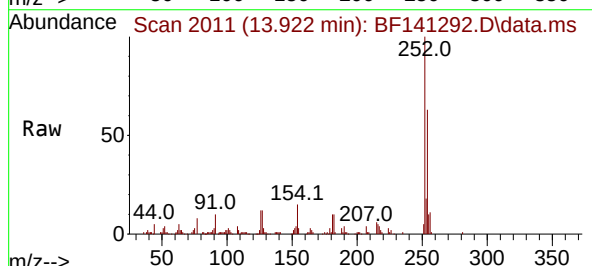
Tgt Ion:252 Resp: 65021

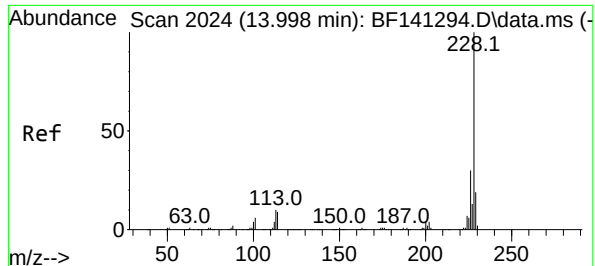
Ion Ratio Lower Upper

252 100

254 63.3 51.3 76.9

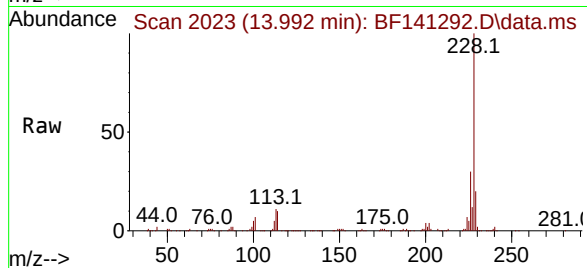
126 12.2 10.0 15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

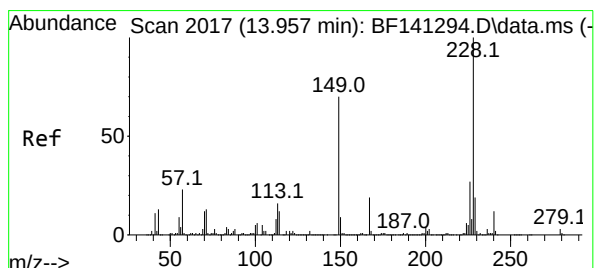
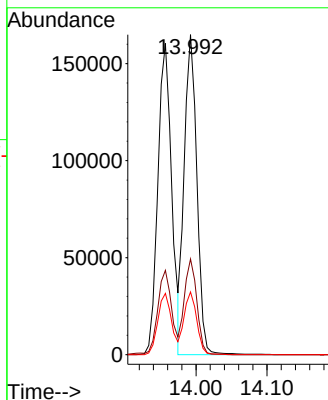
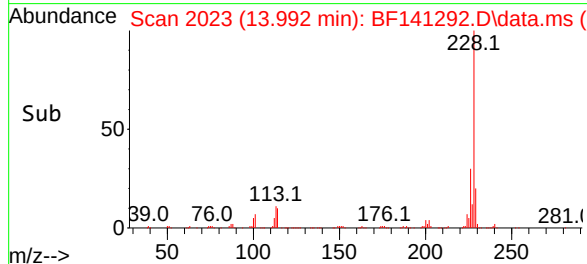
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 204080
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.6 15.6 23.4

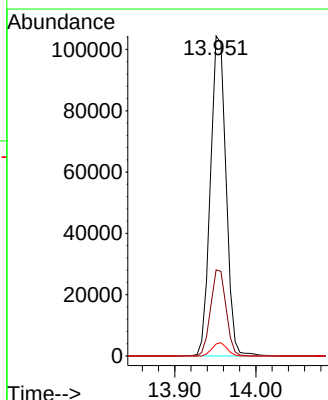
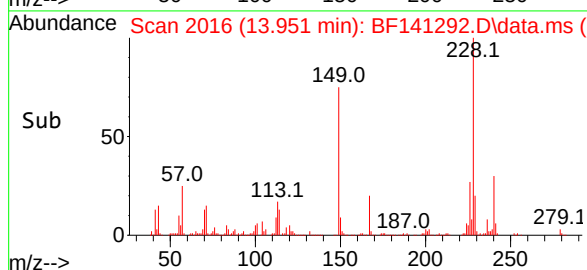
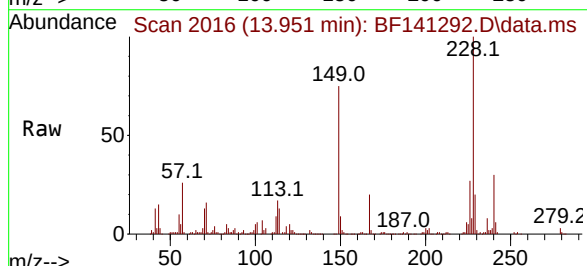
Manual Integrations
APPROVED

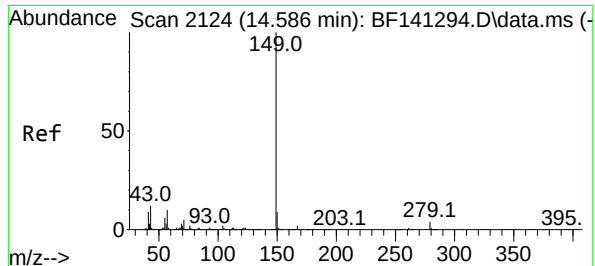
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

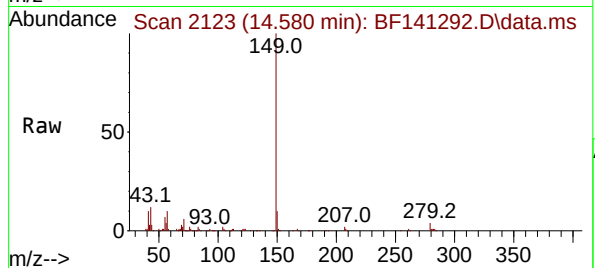
Tgt Ion:149 Resp: 139099
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

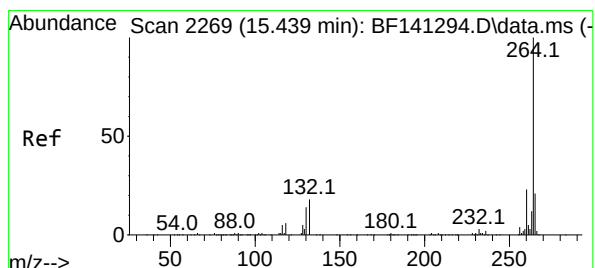
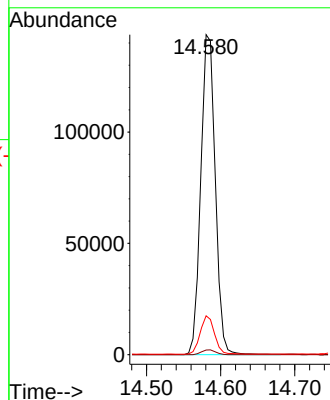
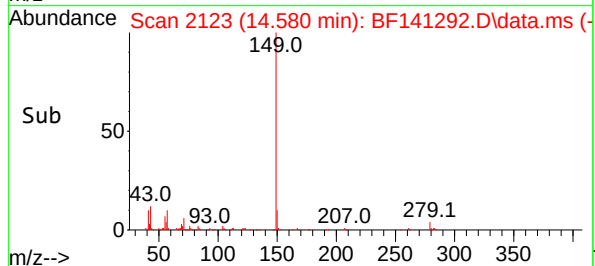
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



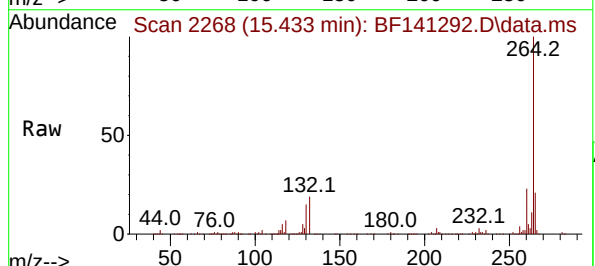
Tgt Ion:149 Resp: 195129
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.8 9.8 14.8

Manual Integrations
APPROVED

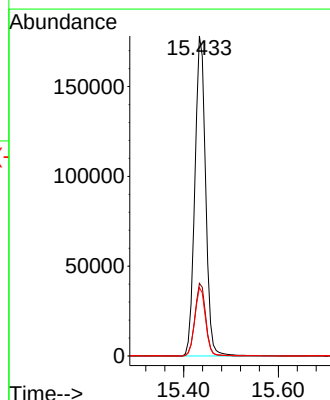
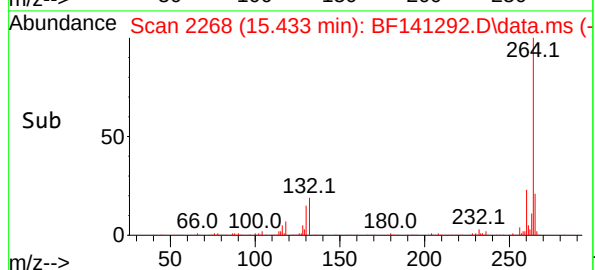
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

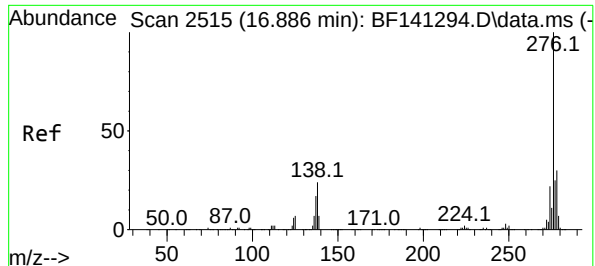


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:264 Resp: 280028
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.708 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141292.D

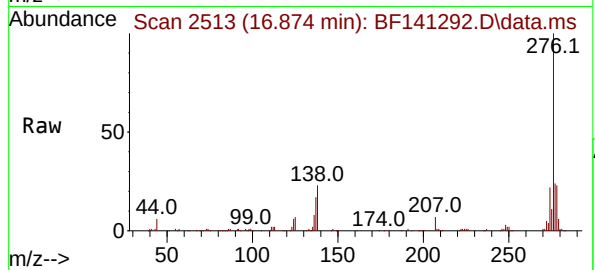
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:276 Resp: 177554

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

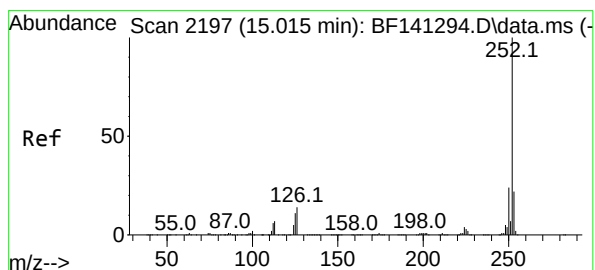
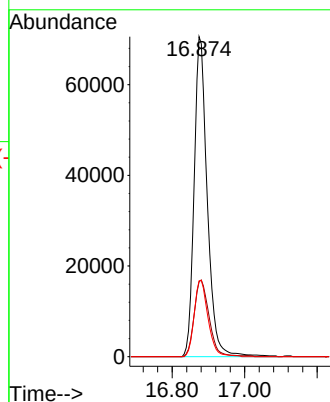
277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

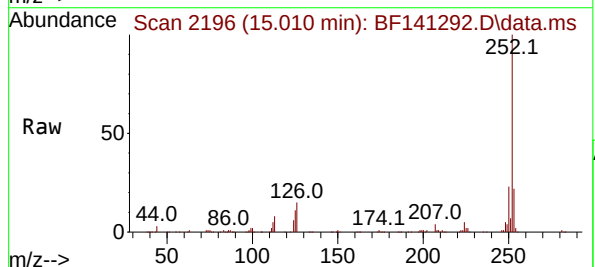
Concen: 11.130 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



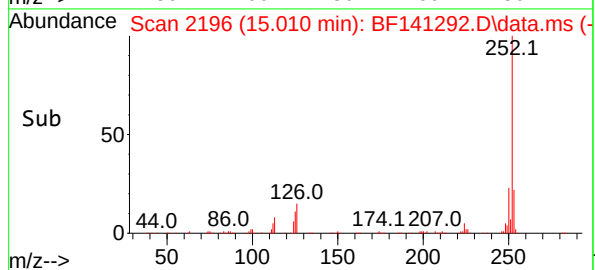
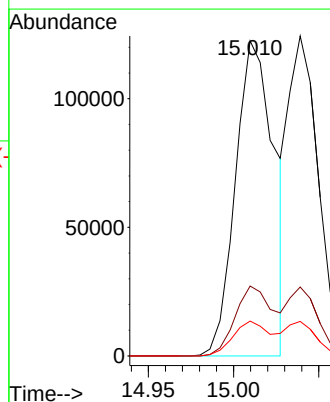
Tgt Ion:252 Resp: 193558

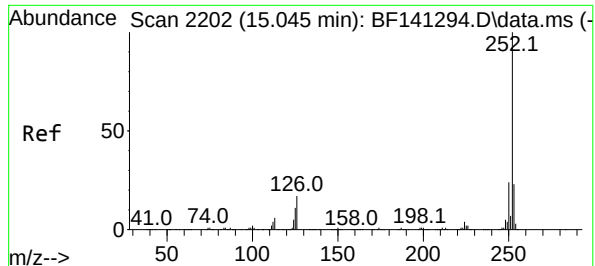
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.012 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

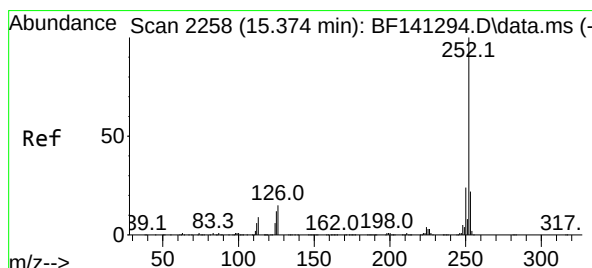
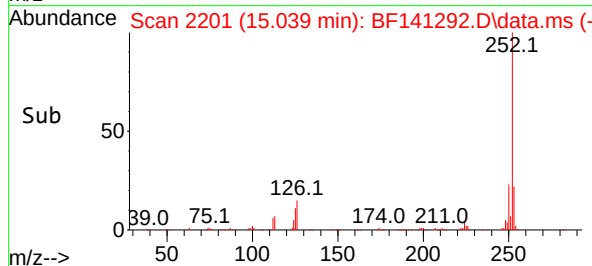
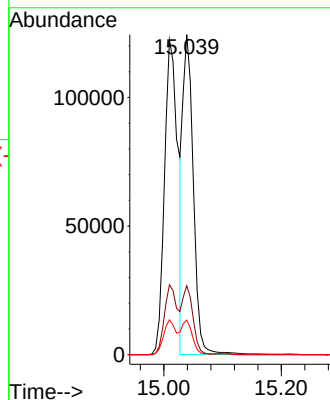
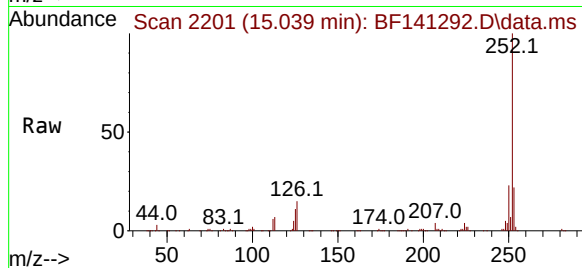
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 9.972 ng

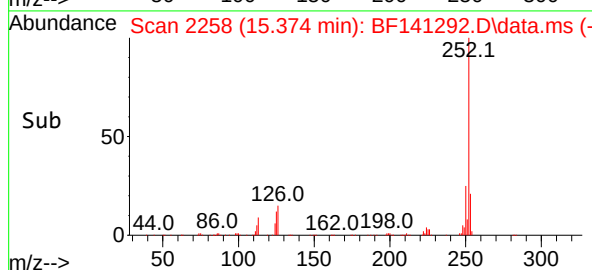
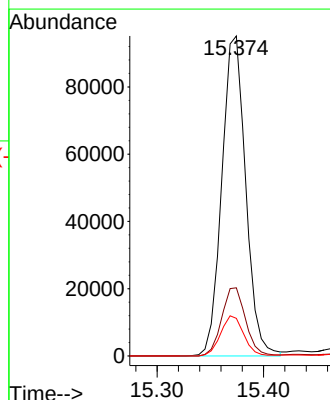
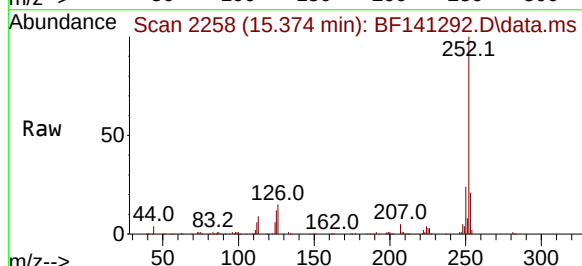
RT: 15.374 min Scan# 2258

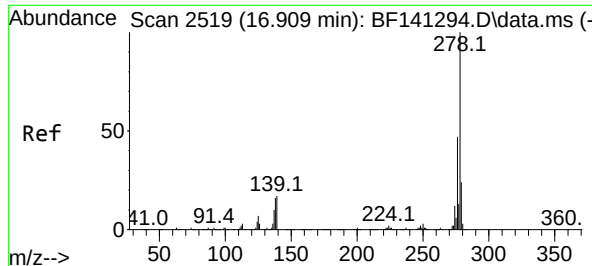
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 9.559 ng

RT: 16.898 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 14014

Ion Ratio Lower Upper

278 100

139 18.1 13.9 20.9

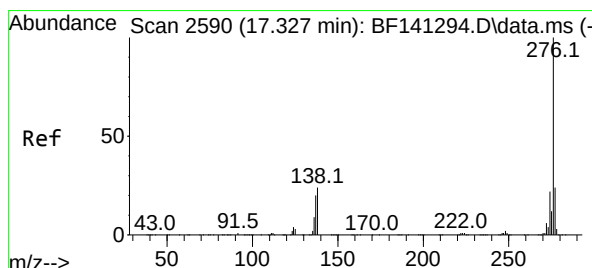
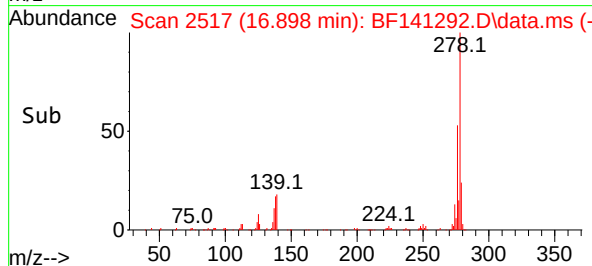
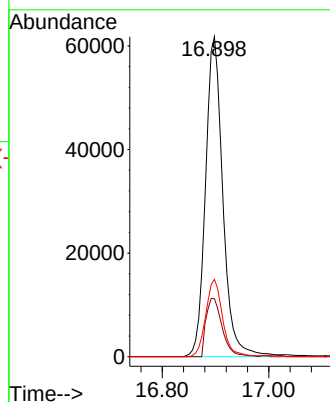
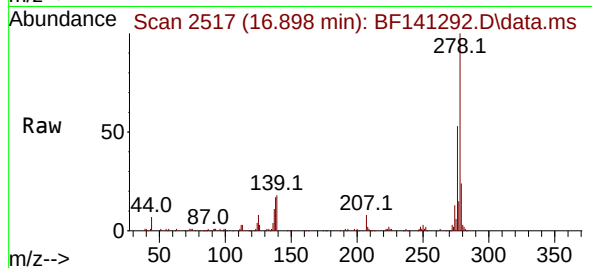
279 24.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 9.756 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

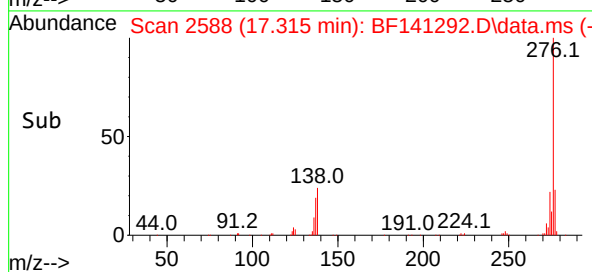
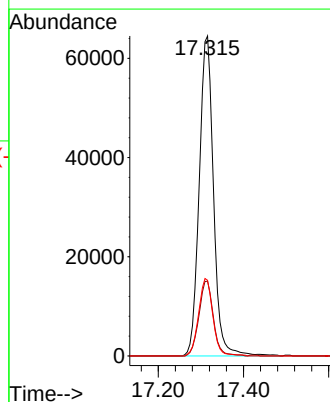
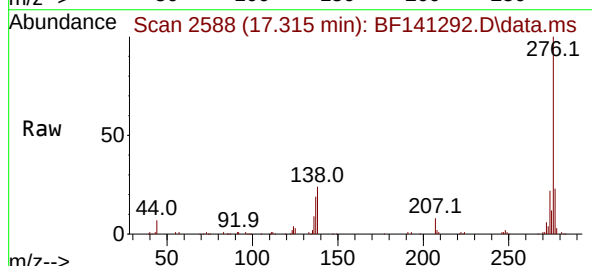
Tgt Ion:276 Resp: 150453

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng	98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng	100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng	99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng	98
49) Acenaphthylene	9.698	152	531957	21.328	ng	99
50) Dimethylphthalate	9.557	163	423377	21.542	ng	100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng	96
52) Acenaphthene	9.869	154	378511	21.328	ng	99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng	98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng #	86
55) Dibenzofuran	10.039	168	514223	21.665	ng	100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng	97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng	98
58) Fluorene	10.386	166	396520	21.488	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng	99
60) Diethylphthalate	10.257	149	413889	21.745	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng	99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng	98
63) Azobenzene	10.539	77	407492	21.358	ng	99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng	97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng	98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng	99
69) Atrazine	11.022	200	109133	19.627	ng	99
70) Pentachlorophenol	11.127	266	74508	20.958	ng	98
71) Phenanthrene	11.351	178	584027	21.262	ng	100
72) Anthracene	11.398	178	572743	21.377	ng	100
73) Carbazole	11.557	167	522100	22.000	ng	99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng	100
75) Fluoranthene	12.539	202	611492	22.808	ng	100
77) Benzidine	12.663	184	65963	6.904	ng	99
78) Pyrene	12.769	202	629228	20.739	ng	99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng	99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng	99
83) Chrysene	14.004	228	421849	21.122	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng	99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng	100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng	99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng	99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng	99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng	100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

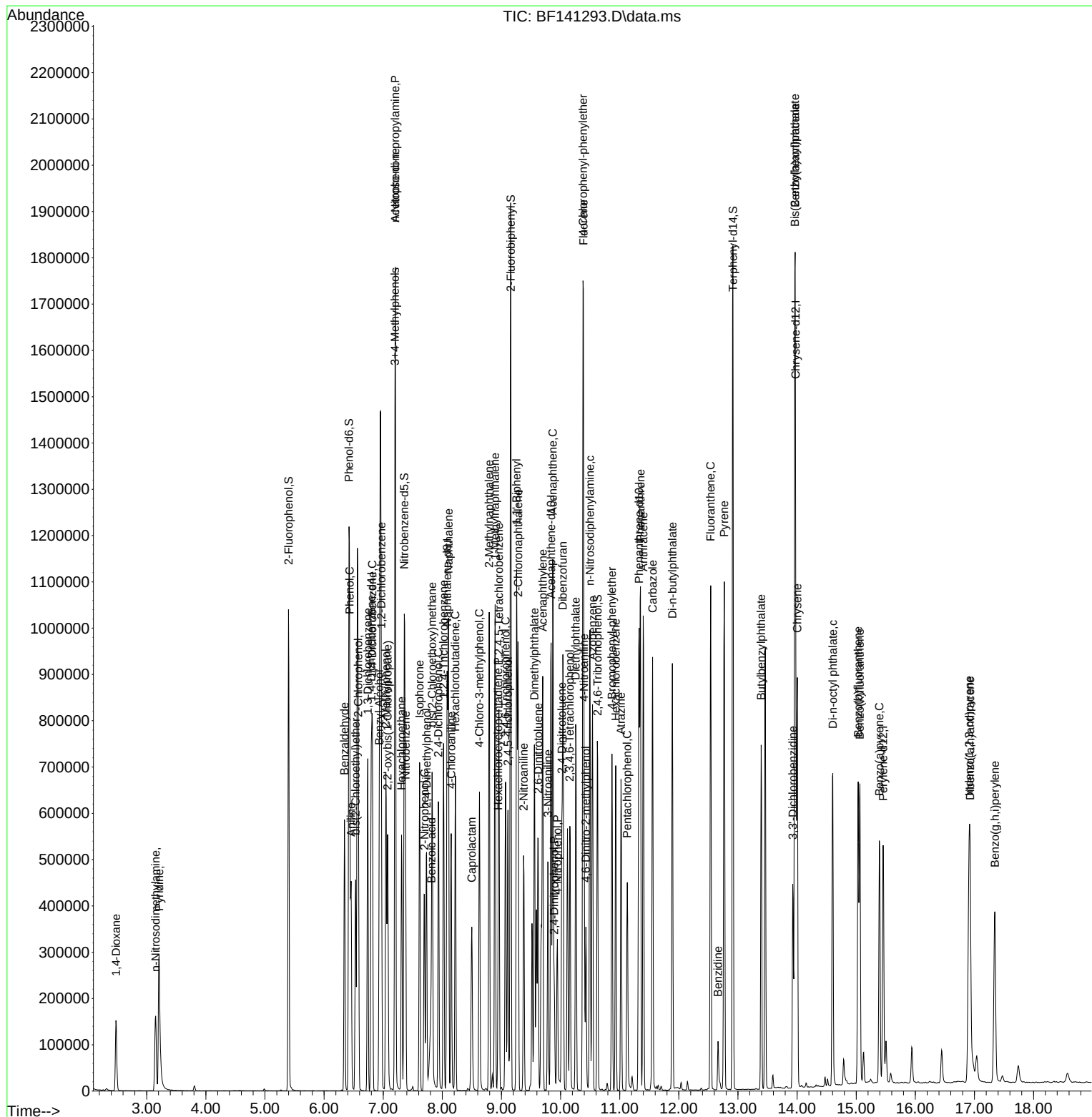
Quant Time: Jan 29 16:29:32 2025

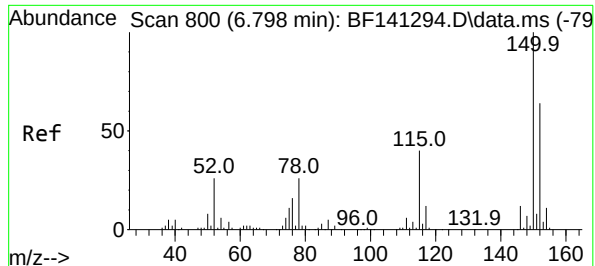
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

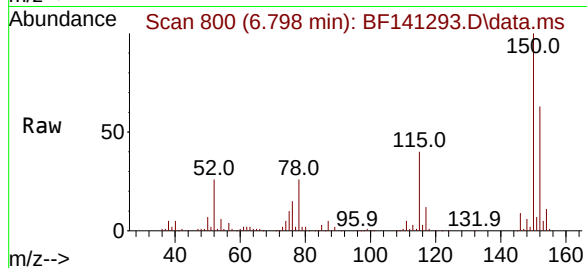
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

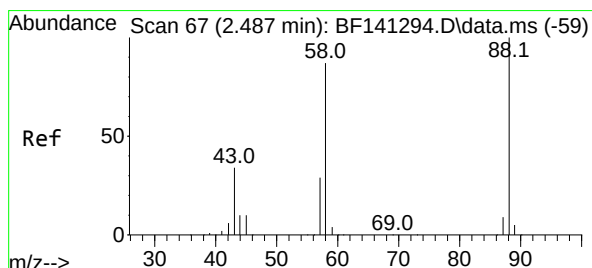
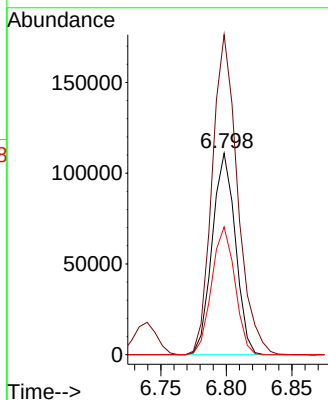
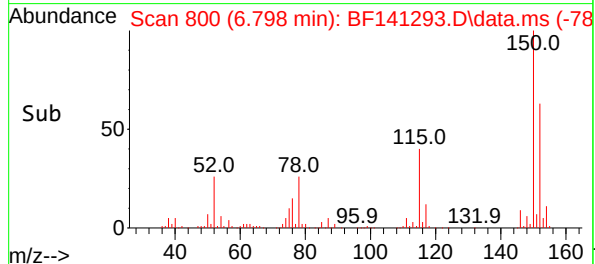
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 13649
Ion Ratio Lower Upper
152 100
150 158.9 125.9 188.9
115 63.5 49.7 74.5

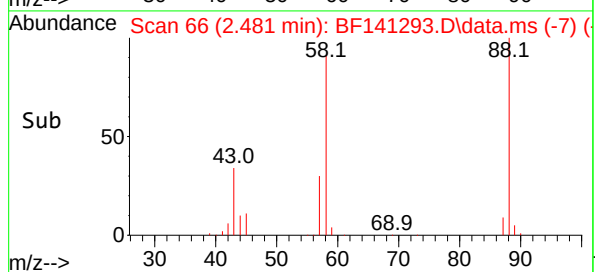
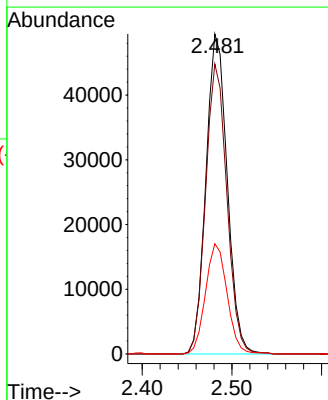
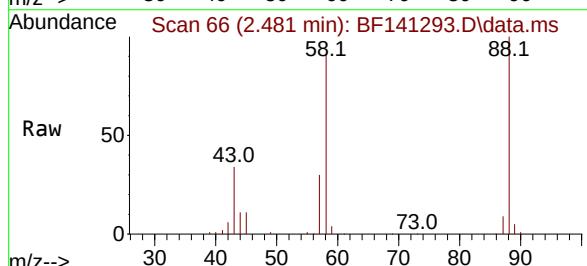
Manual Integrations
APPROVED

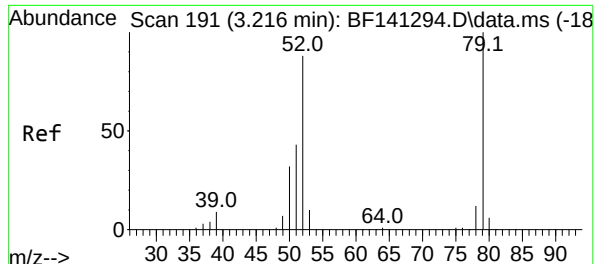
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

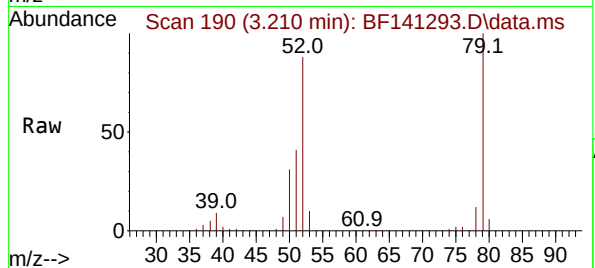
Tgt Ion: 88 Resp: 81467
Ion Ratio Lower Upper
88 100
58 90.4 70.2 105.4
43 35.0 27.6 41.4





#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

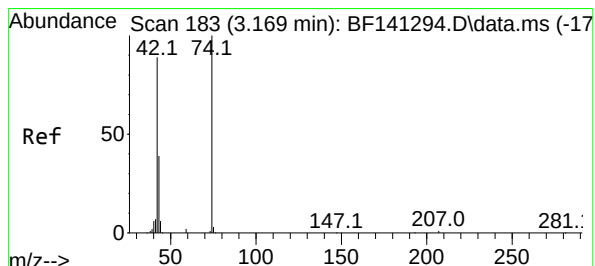
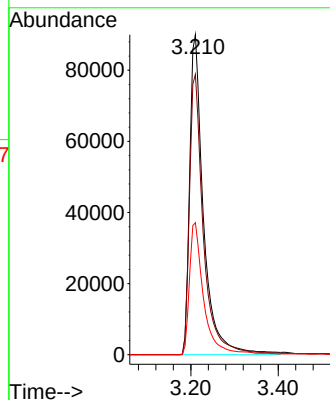
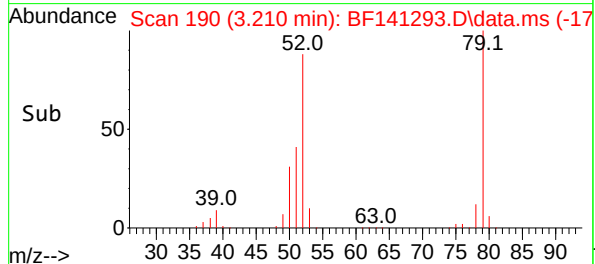
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



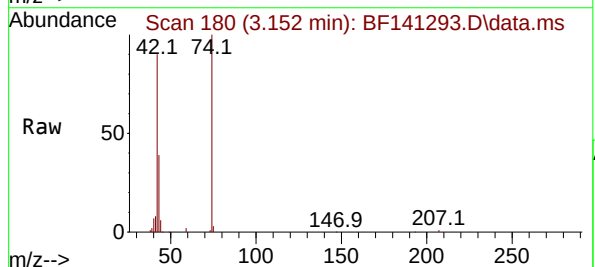
Tgt Ion: 79 Resp: 19785
Ion Ratio Lower Upper
79 100
52 87.6 70.3 105.5
51 41.2 34.3 51.5

Manual Integrations
APPROVED

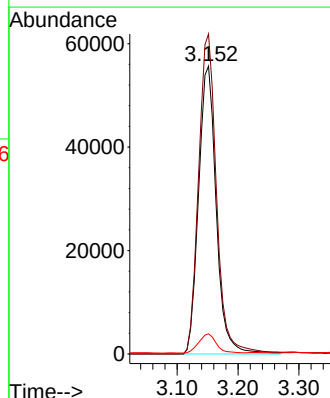
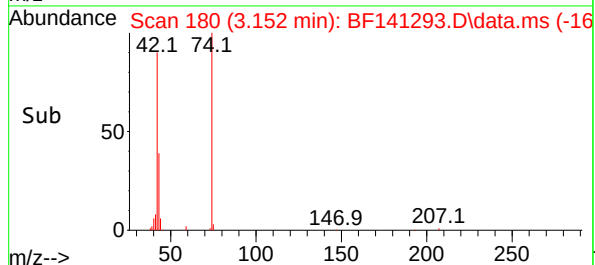
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

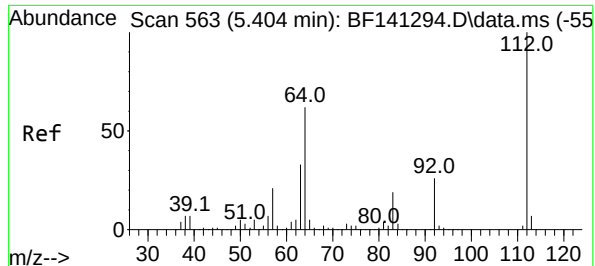


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion: 42 Resp: 112451
Ion Ratio Lower Upper
42 100
74 111.2 90.3 135.5
44 7.0 5.7 8.5





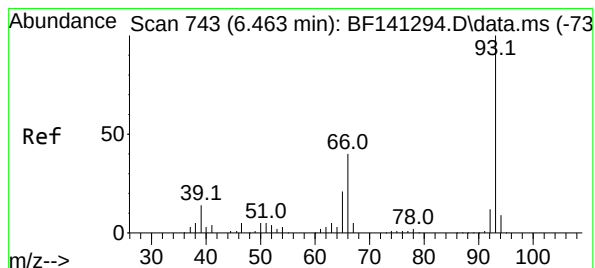
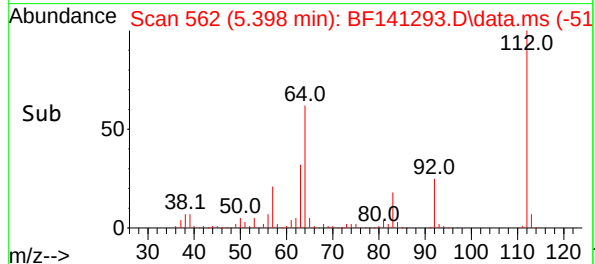
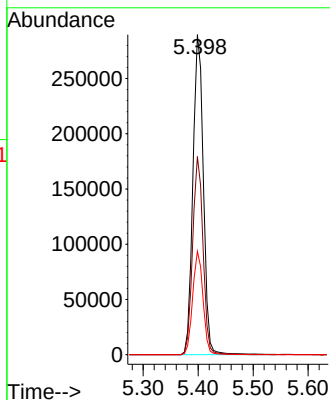
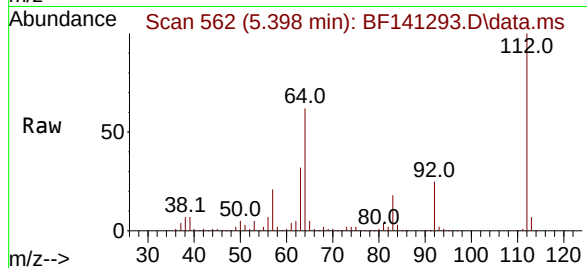
#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 382610
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 32.3 26.1 39.1

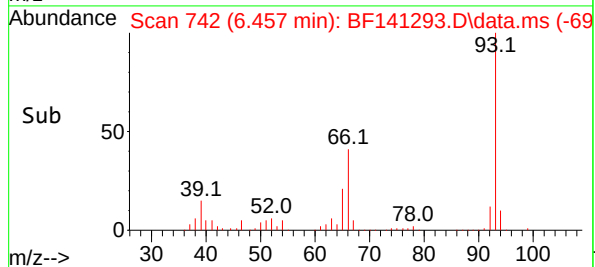
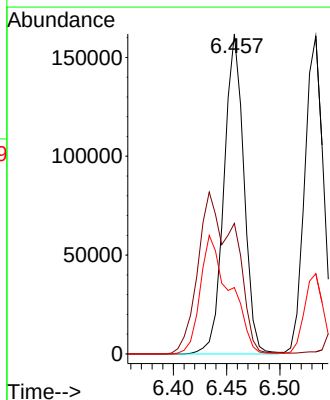
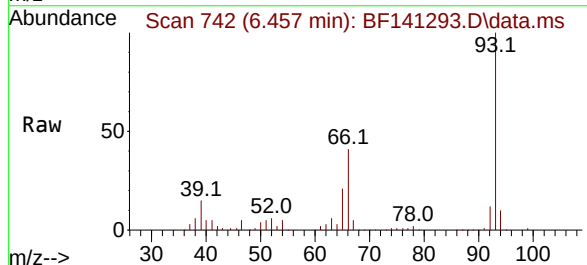
Manual Integrations
APPROVED

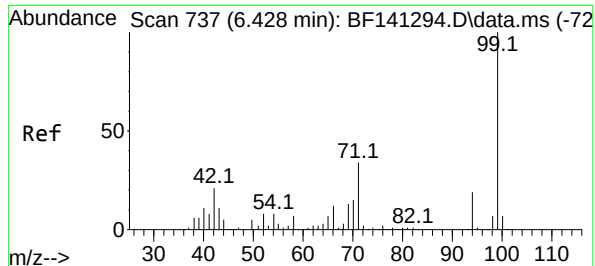
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459
Ion Ratio Lower Upper
93 100
66 40.8 32.5 48.7
65 20.7 17.0 25.6





#7

Phenol-d6

Concen: 42.305 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 475870

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

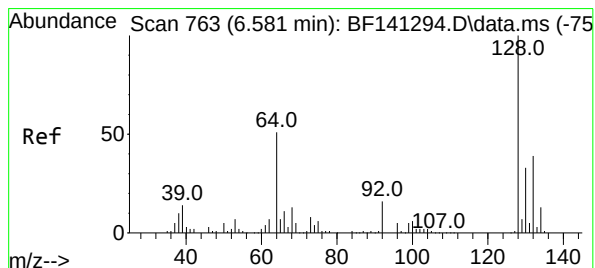
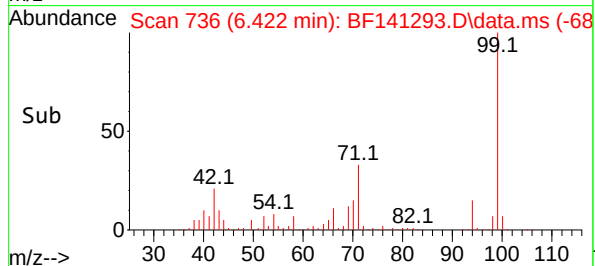
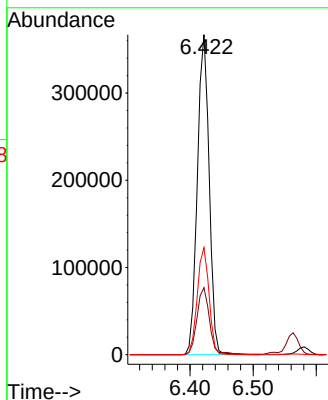
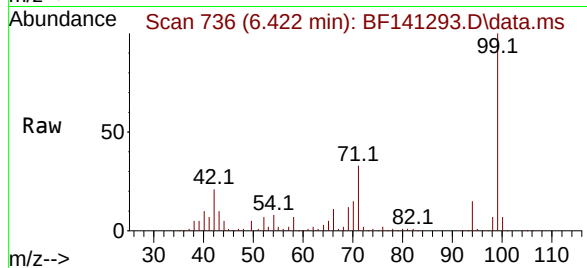
71 33.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 21.418 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

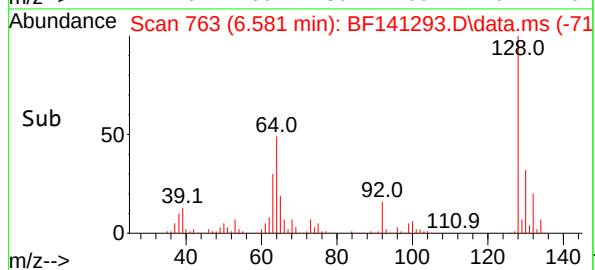
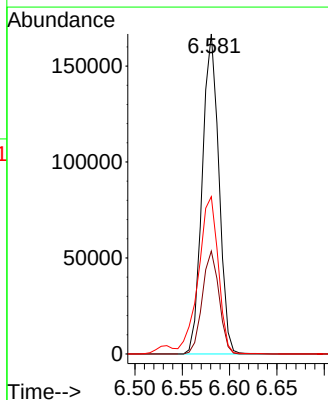
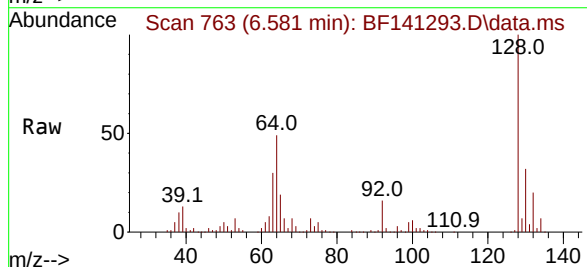
Tgt Ion:128 Resp: 203008

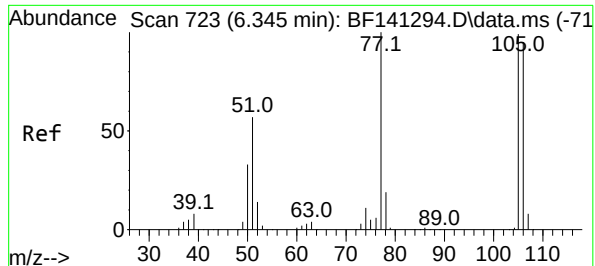
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 49.1 32.9 72.9





#9

Benzaldehyde

Concen: 23.065 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

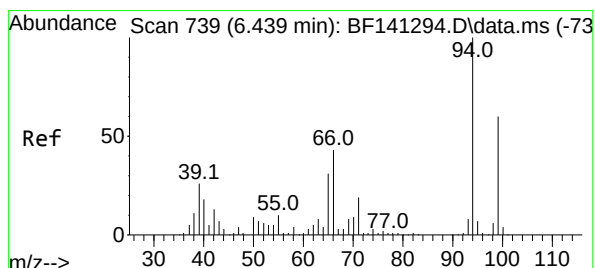
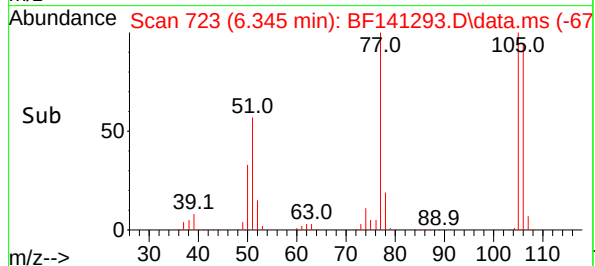
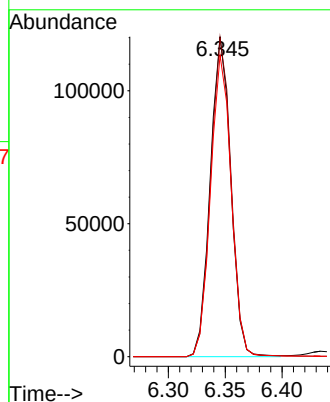
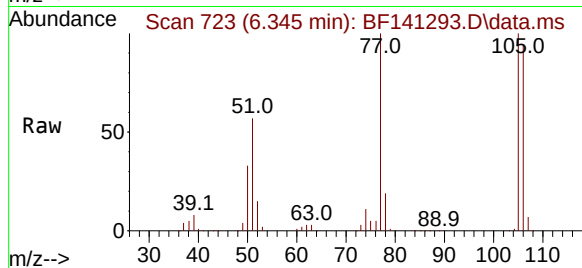
Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:	77	Resp:	15067
Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.2	74.6	114.6

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#10

Phenol

Concen: 21.611 ng

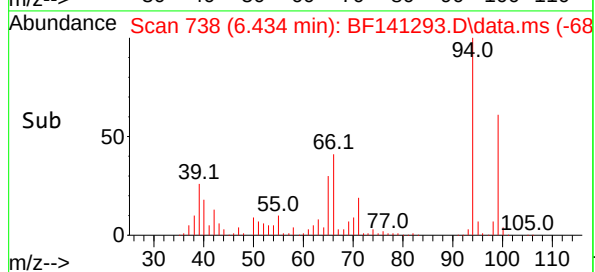
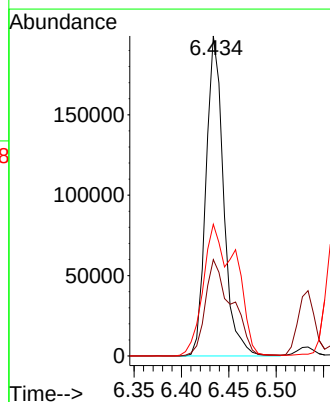
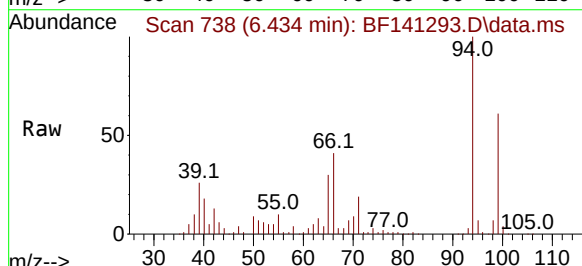
RT: 6.434 min Scan# 738

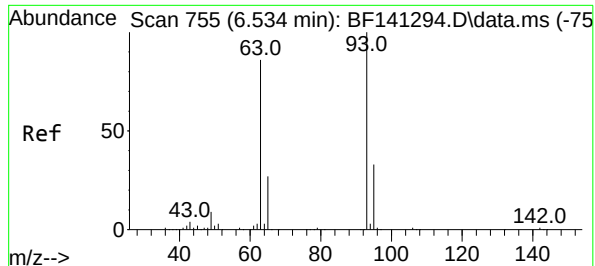
Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:	94	Resp:	257179
Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.8	50.8
66	41.1	23.3	63.3





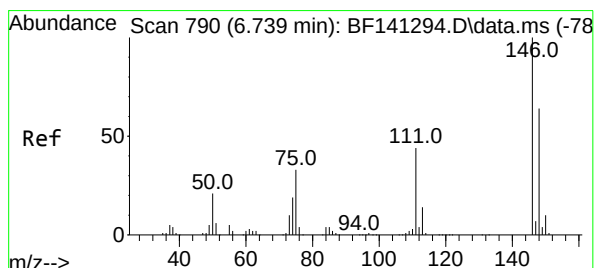
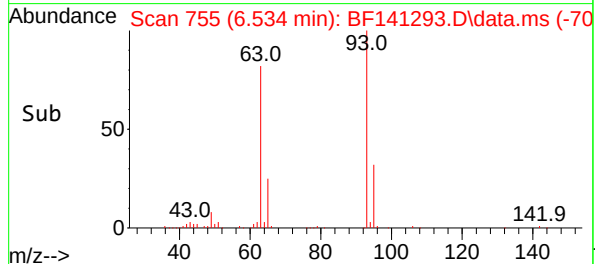
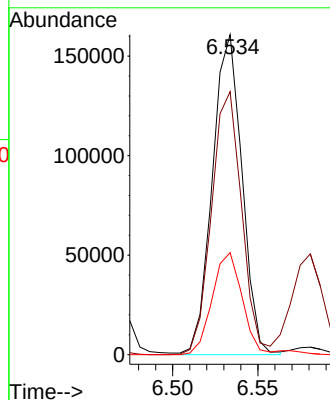
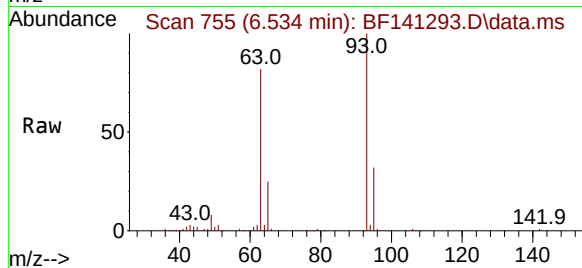
#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 194572
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 31.9 12.4 52.4

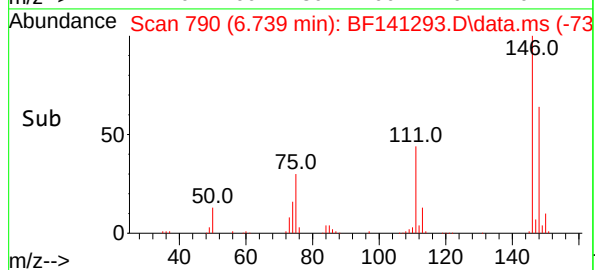
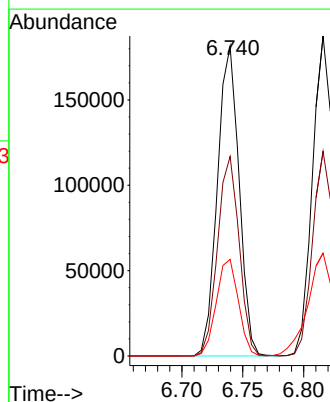
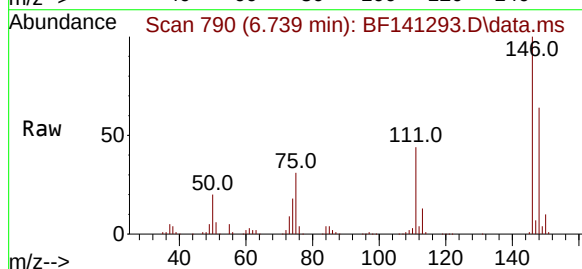
Manual Integrations
APPROVED

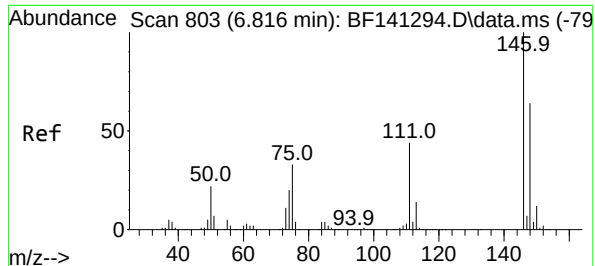
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 31.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 21.503 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

Tgt Ion:146 Resp: 226370

Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

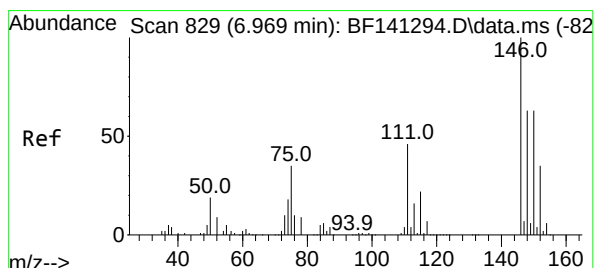
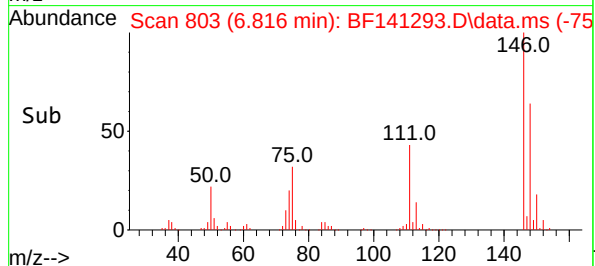
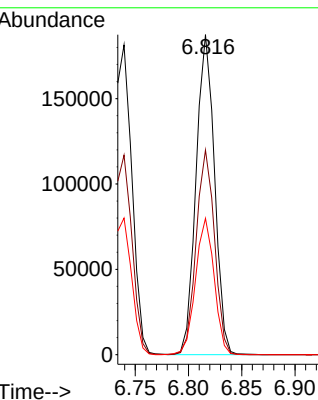
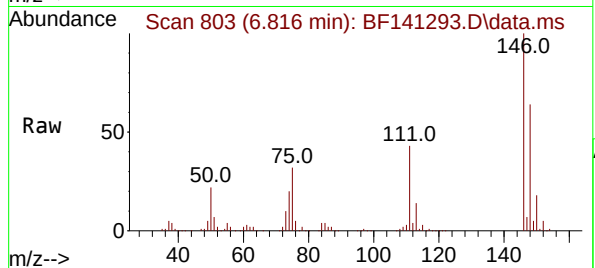
111 42.6 35.0 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 21.714 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

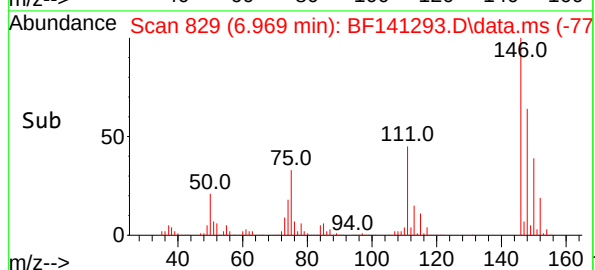
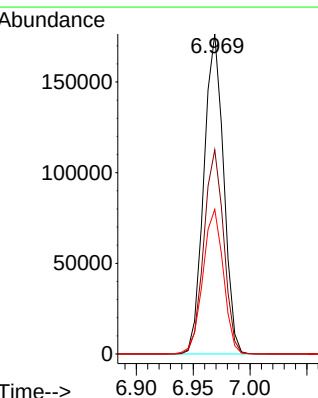
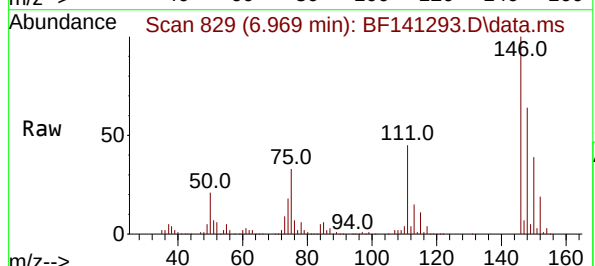
Tgt Ion:146 Resp: 213616

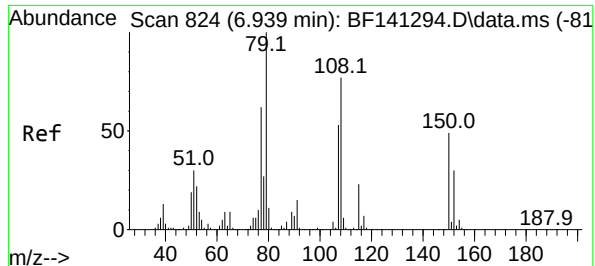
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

111 45.2 36.6 55.0





#15

Benzyl Alcohol

Concen: 21.602 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 166008

Ion Ratio Lower Upper

79 100

108 77.4 61.4 92.0

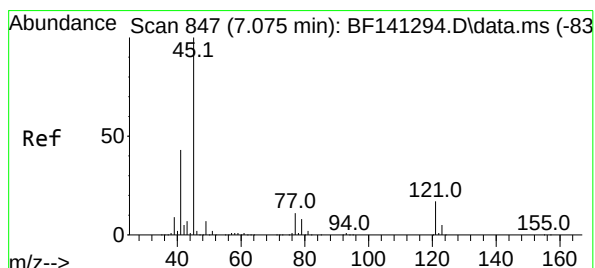
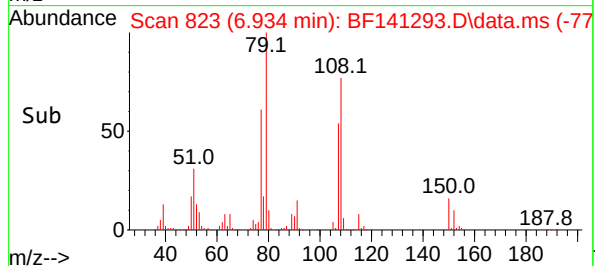
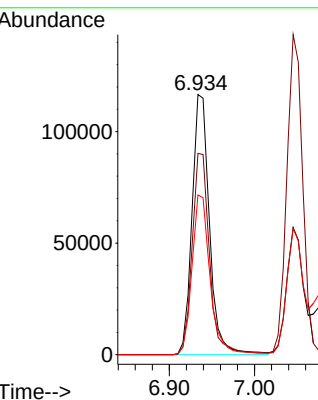
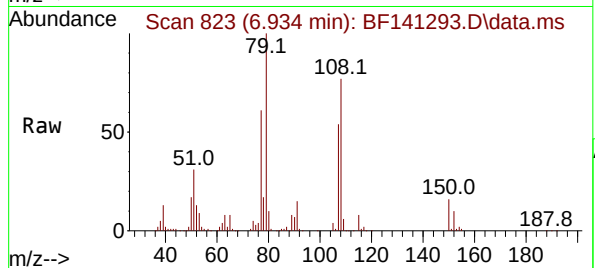
77 61.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.420 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

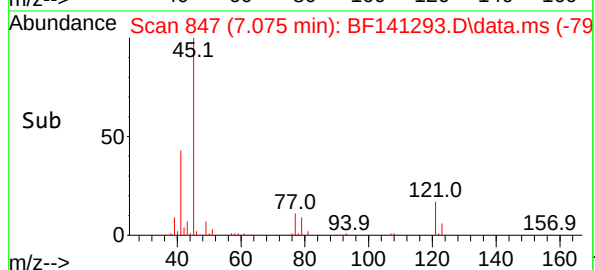
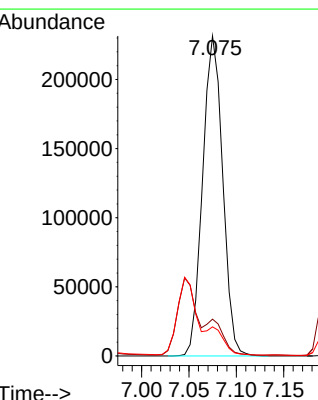
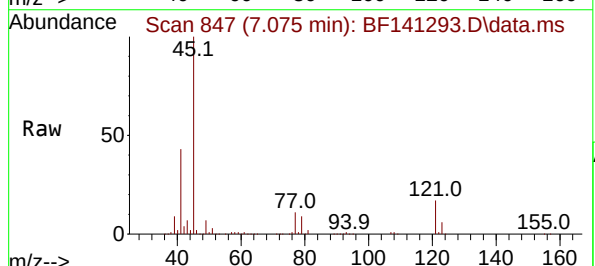
Tgt Ion: 45 Resp: 340590

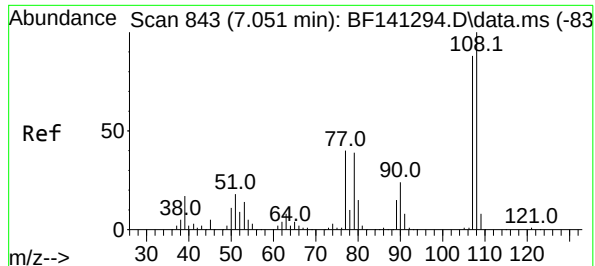
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.8

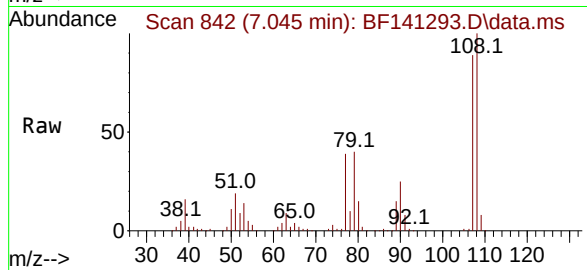
79 9.1 0.0 29.1





#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

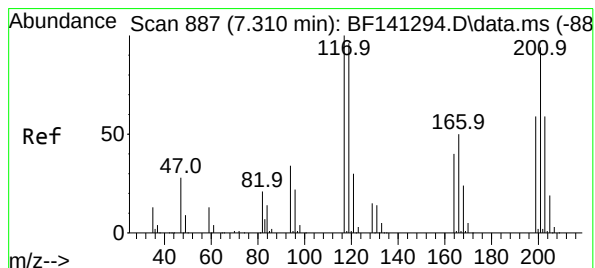
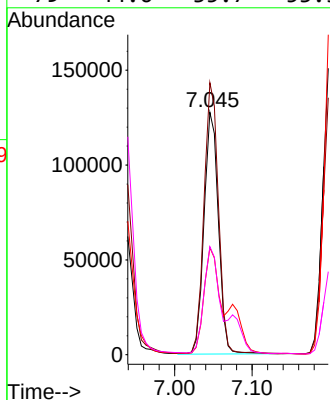
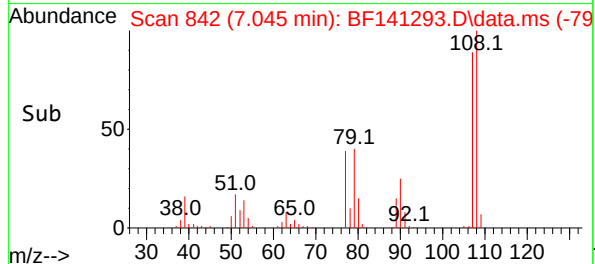
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 16518
Ion Ratio Lower Upper
107 100
108 112.2 90.8 136.2
77 44.2 36.2 54.4
79 44.6 35.7 53.5

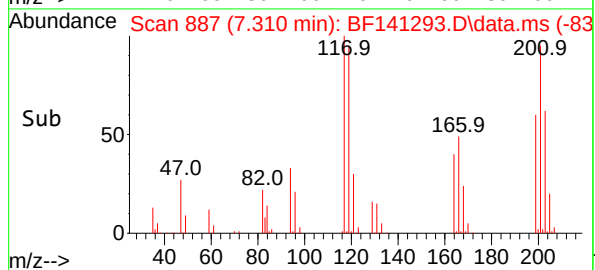
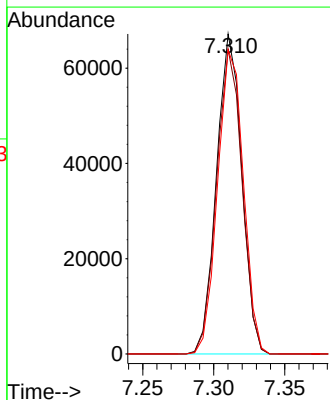
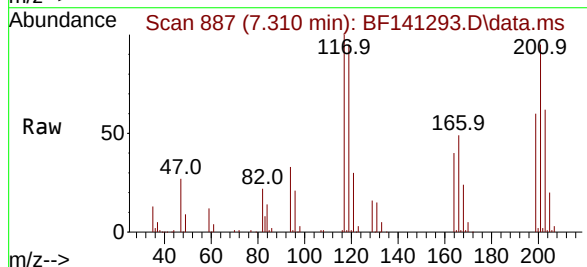
Manual Integrations
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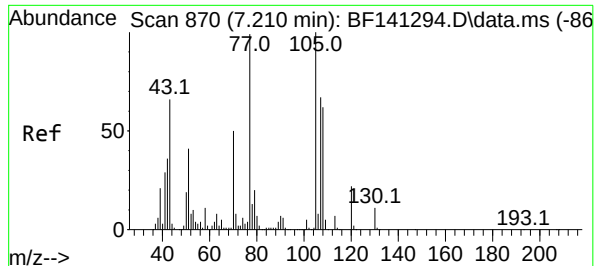
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 95.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 21.058 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 140874

Ion Ratio Lower Upper

70 100

42 69.9 56.8 85.2

101 10.1 7.7 11.5

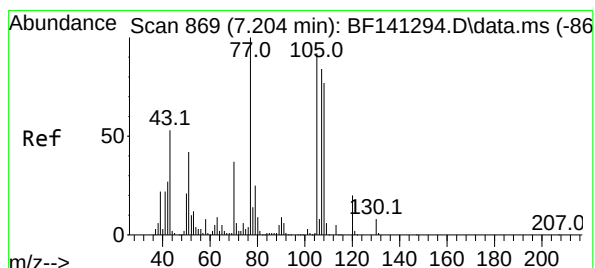
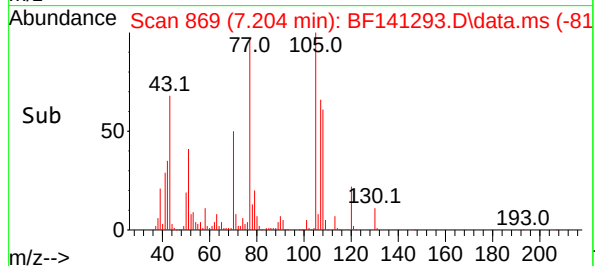
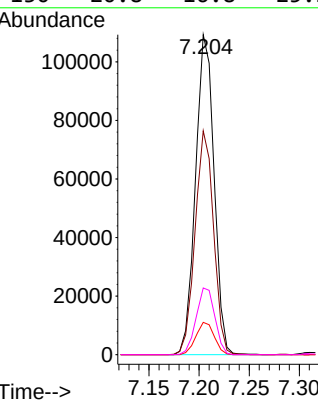
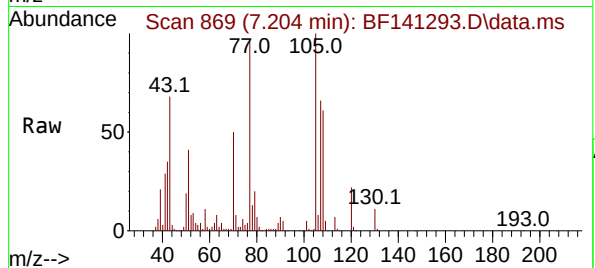
130 20.8 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 21.734 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

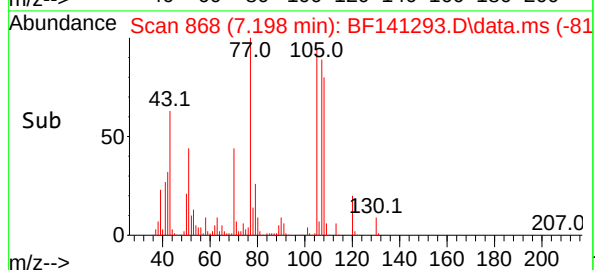
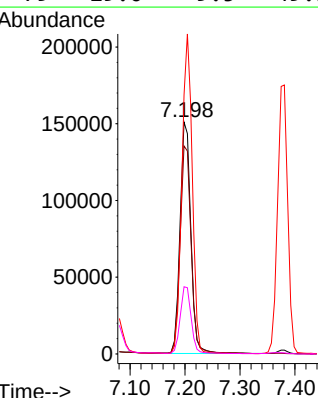
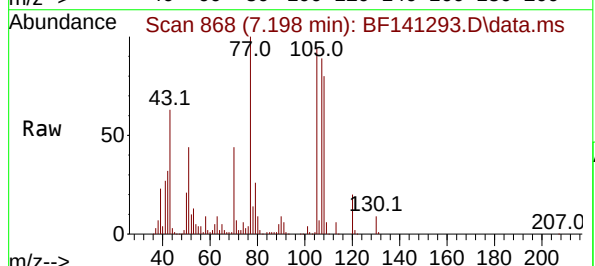
Ion Ratio Lower Upper

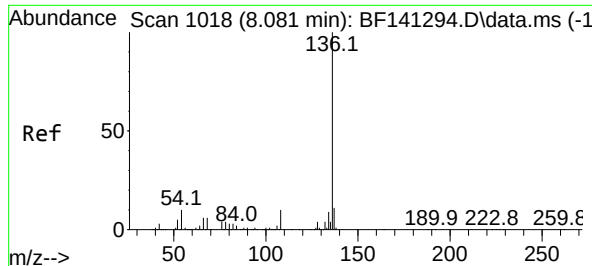
107 100

108 89.7 70.9 110.9

77 111.7 98.5 138.5

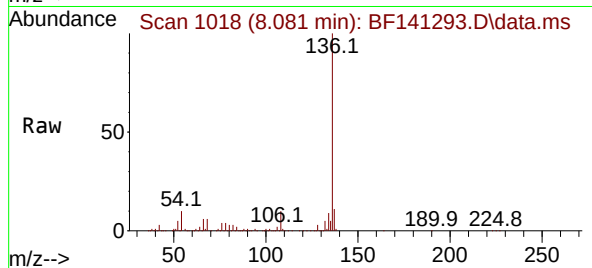
79 29.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

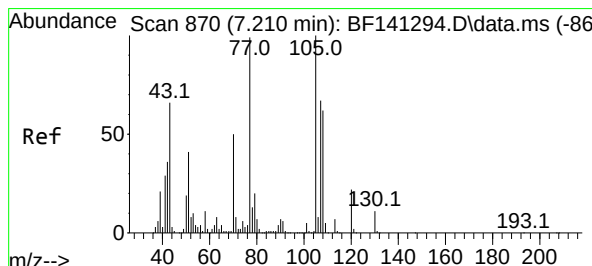
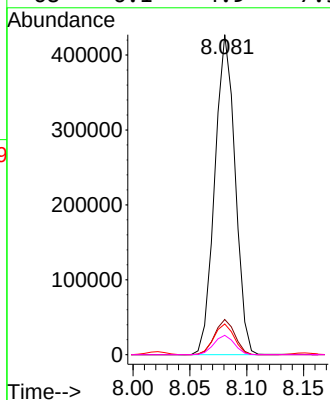
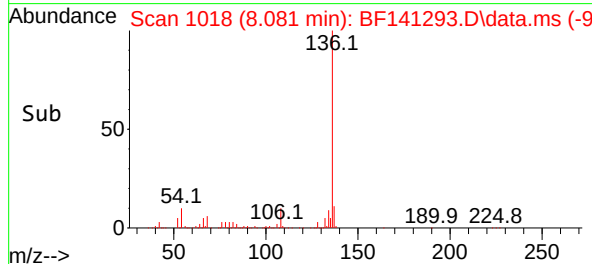
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



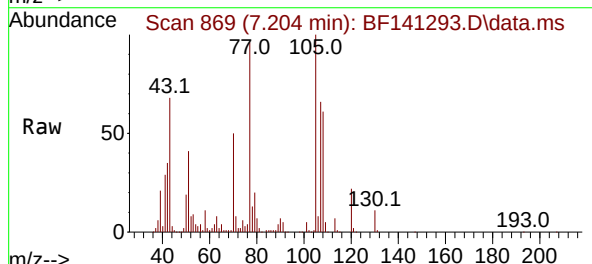
Tgt Ion:136 Resp: 532862
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.8
68 6.1 4.9 7.3

Manual Integrations
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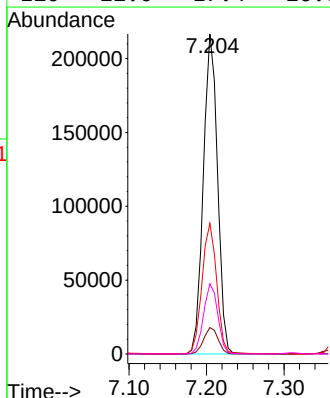
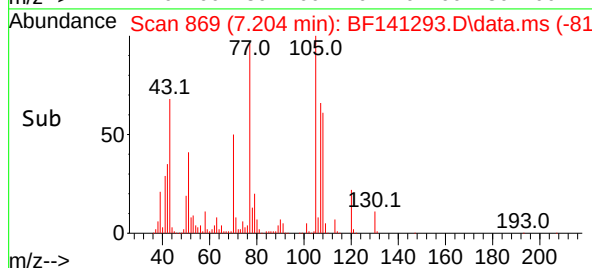
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

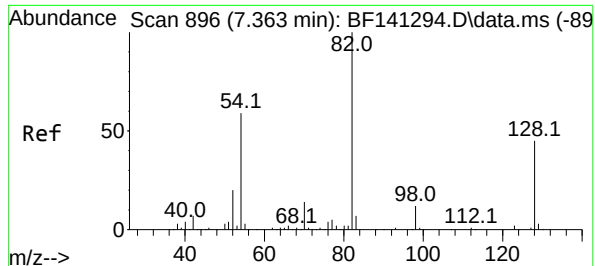


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:105 Resp: 275680
Ion Ratio Lower Upper
105 100
71 8.2 6.8 10.2
51 40.8 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 42.912 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 432160

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

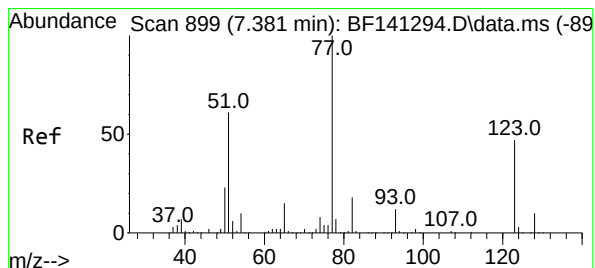
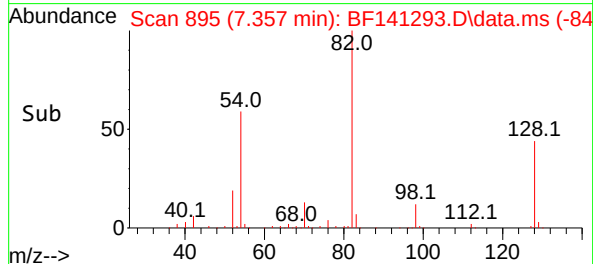
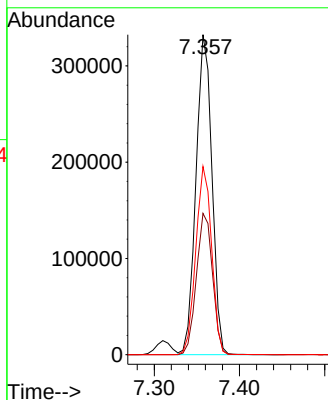
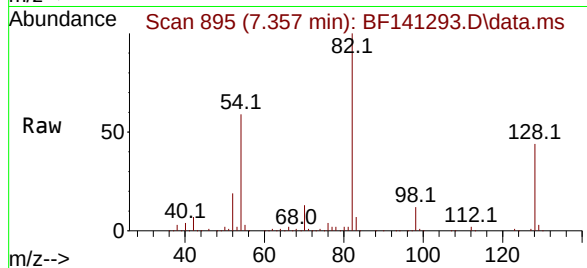
54 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 21.451 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

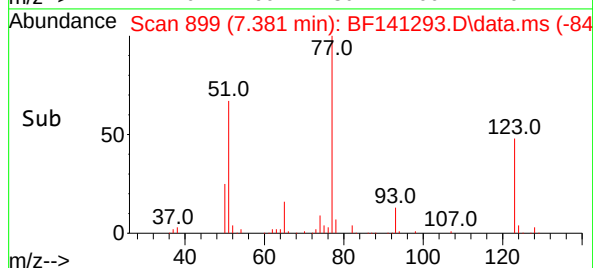
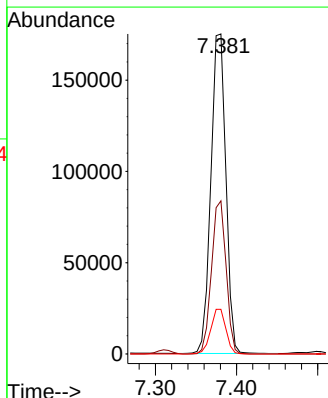
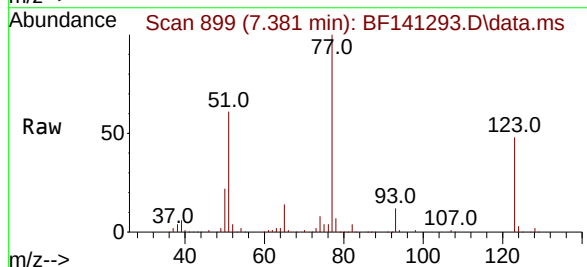
Tgt Ion: 77 Resp: 224061

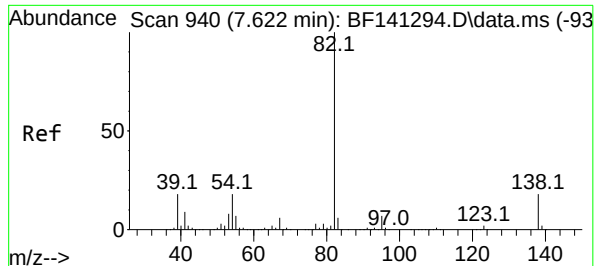
Ion Ratio Lower Upper

77 100

123 47.8 37.3 55.9

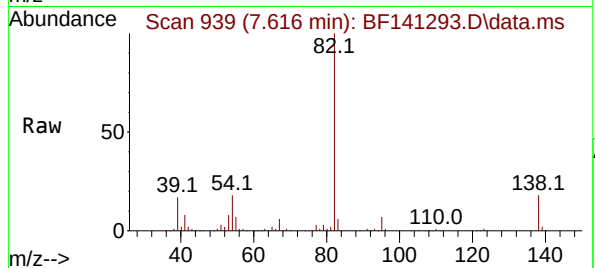
65 13.9 11.8 17.6





#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

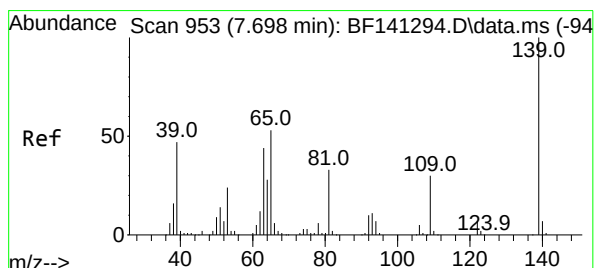
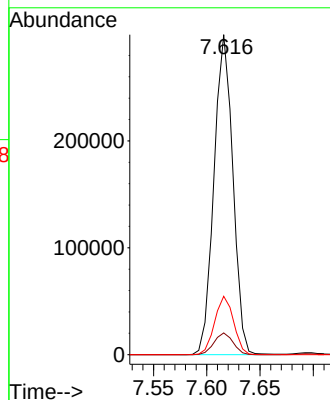
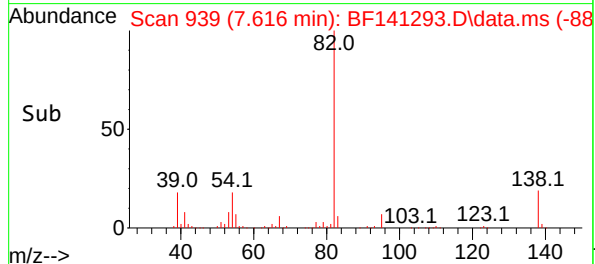
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion: 82 Resp: 369998
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 18.2 14.7 22.1

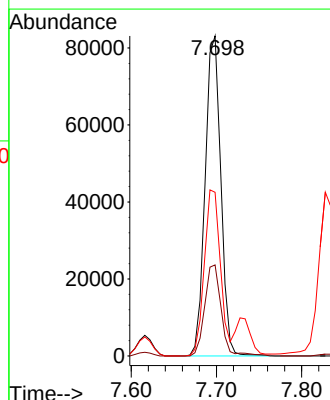
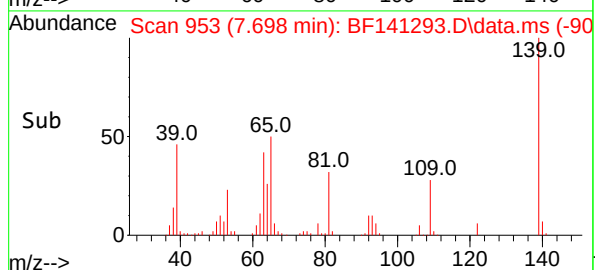
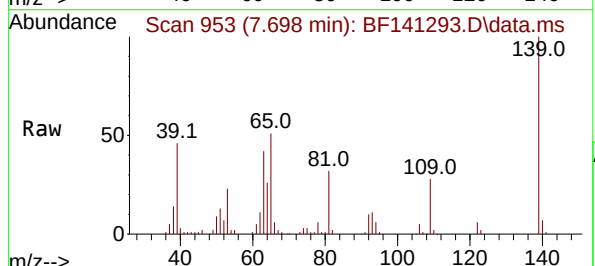
Manual Integrations
APPROVED

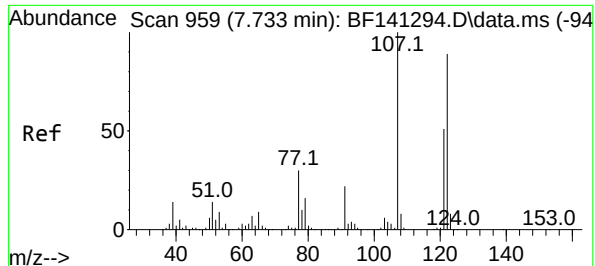
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287
Ion Ratio Lower Upper
139 100
109 28.5 23.8 35.6
65 51.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 21.233 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141293.D

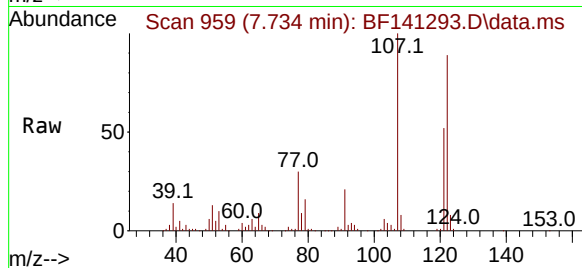
Acq: 29 Jan 2025 15:17

Instrument :

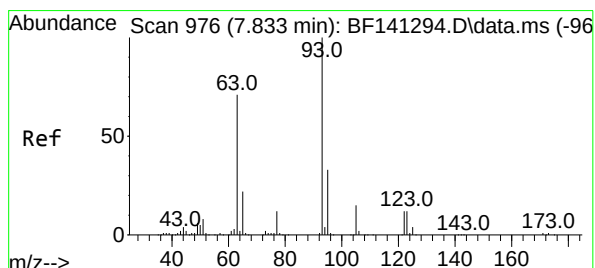
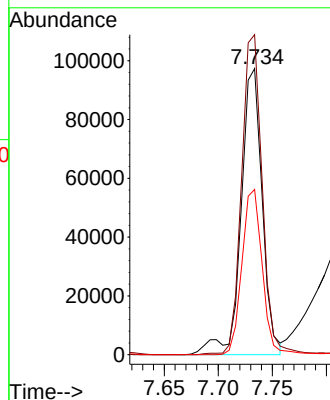
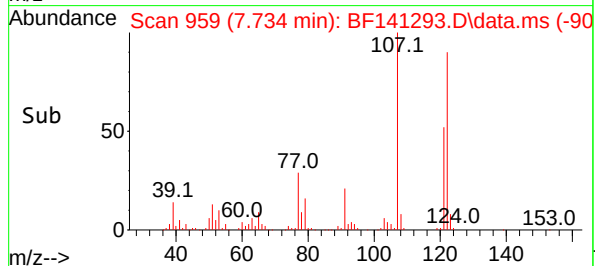
BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:	122	Resp:	13274
Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.1	69.1

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

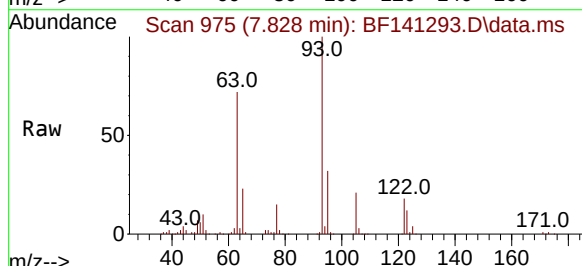
Concen: 21.403 ng

RT: 7.828 min Scan# 975

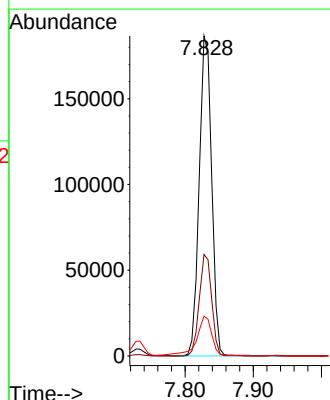
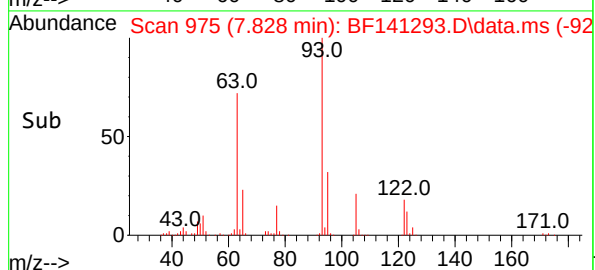
Delta R.T. -0.006 min

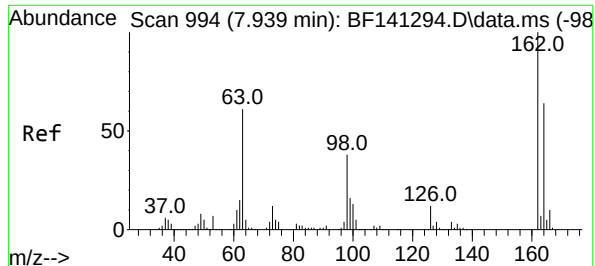
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:	93	Resp:	237369
Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.5	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 21.750 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 16615

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

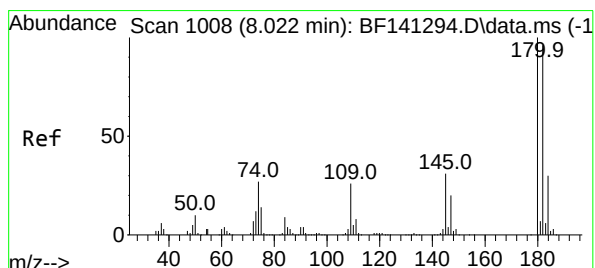
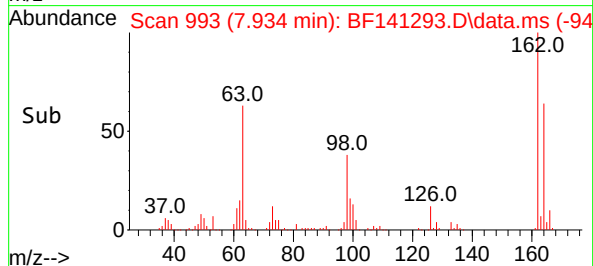
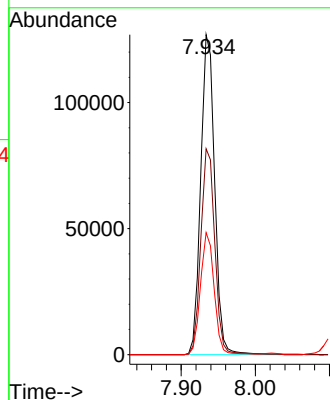
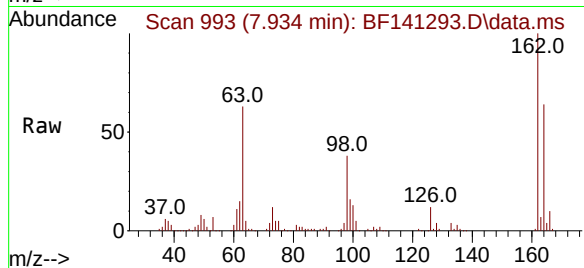
98 38.1 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.511 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

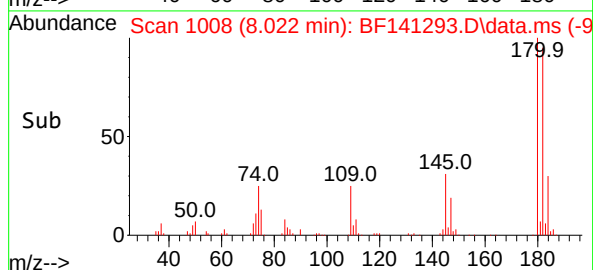
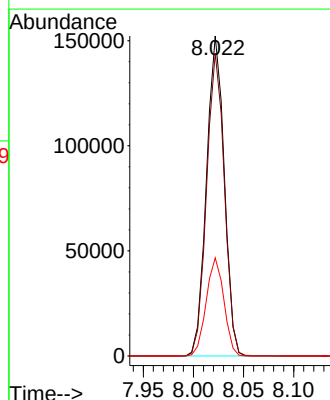
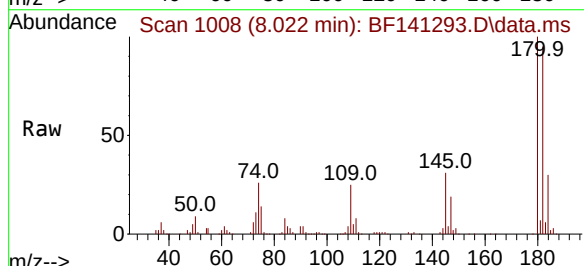
Tgt Ion:180 Resp: 188468

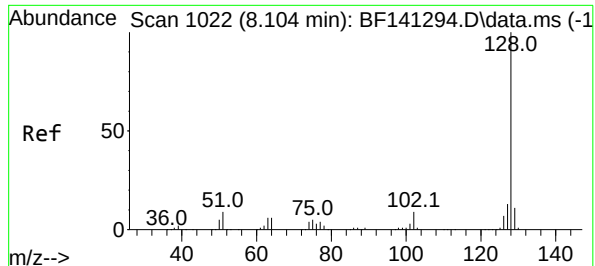
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

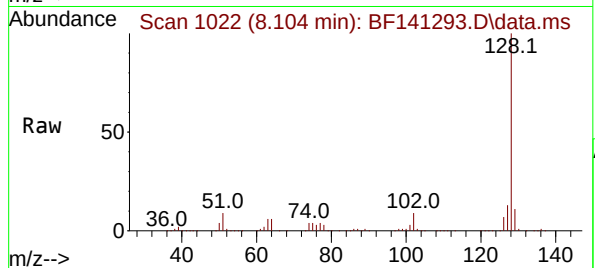
145 30.6 24.9 37.3





#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

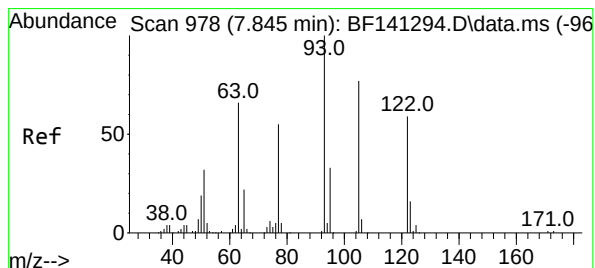
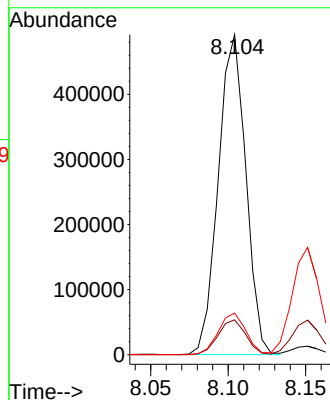
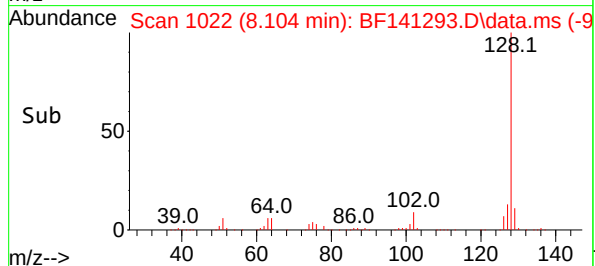
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 60762
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.6 15.8

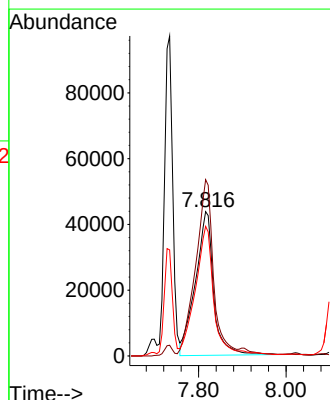
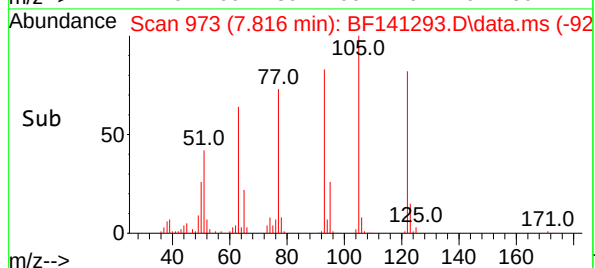
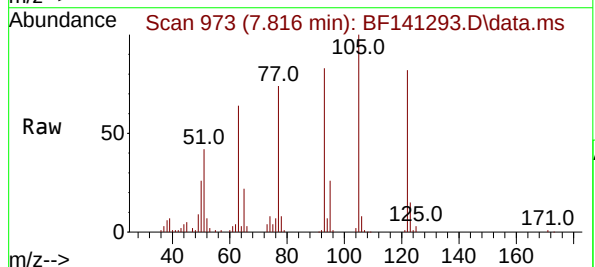
Manual Integrations
APPROVED

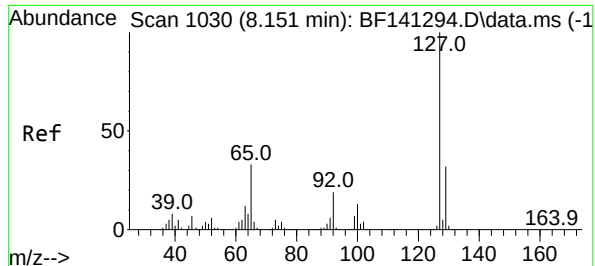
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734
Ion Ratio Lower Upper
122 100
105 122.2 103.4 143.4
77 89.9 70.9 110.9





#33

4-Chloroaniline

Concen: 22.151 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 20853

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 31.6 26.4 39.6

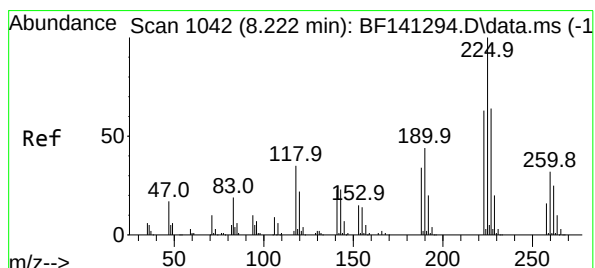
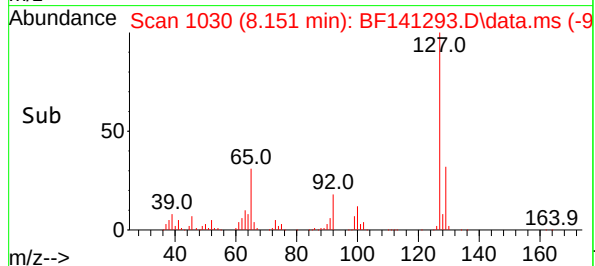
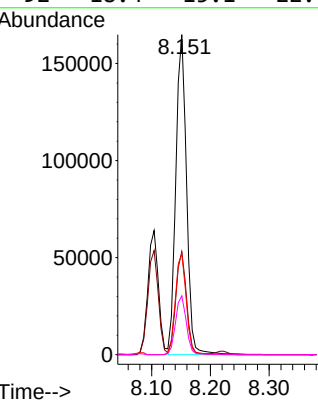
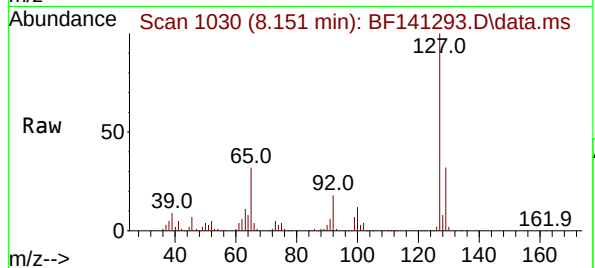
92 18.4 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 21.699 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

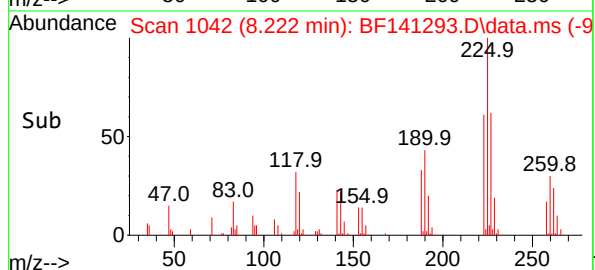
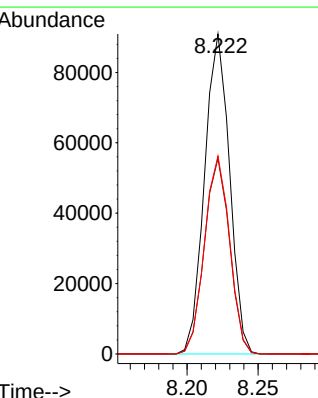
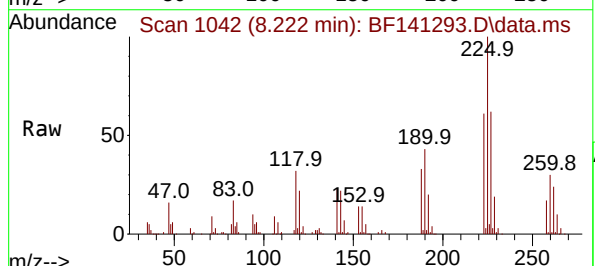
Tgt Ion:225 Resp: 111274

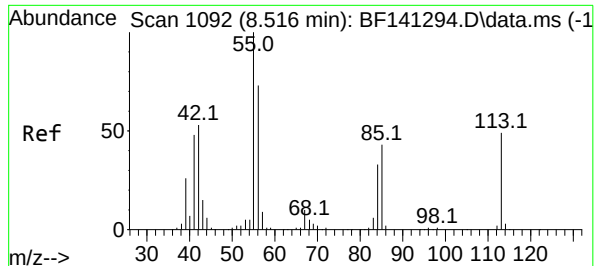
Ion Ratio Lower Upper

225 100

223 61.0 50.4 75.6

227 61.9 51.3 76.9





#35

Caprolactam

Concen: 21.968 ng

RT: 8.498 min Scan# 1089

Delta R.T. -0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:113 Resp: 54280

Ion Ratio Lower Upper

113 100

55 200.9 182.9 222.9

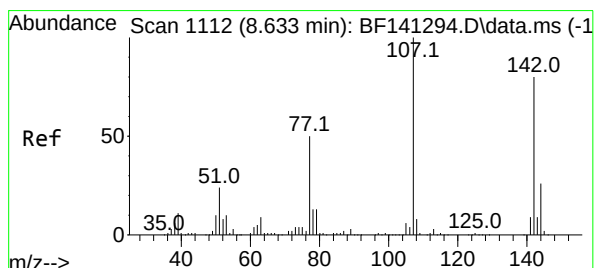
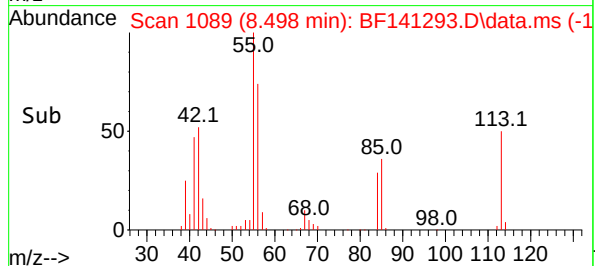
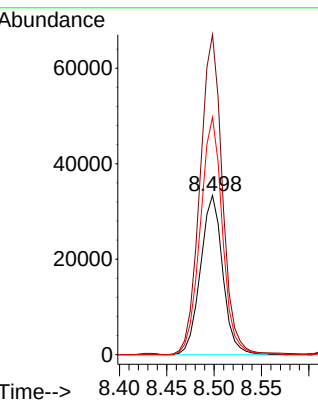
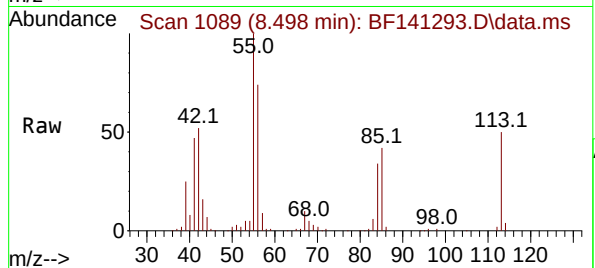
56 149.2 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#36

4-Chloro-3-methylphenol

Concen: 21.708 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

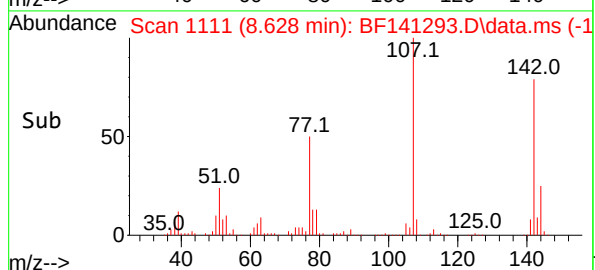
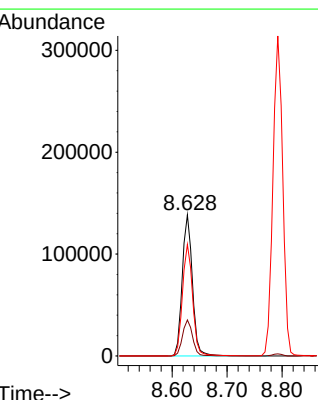
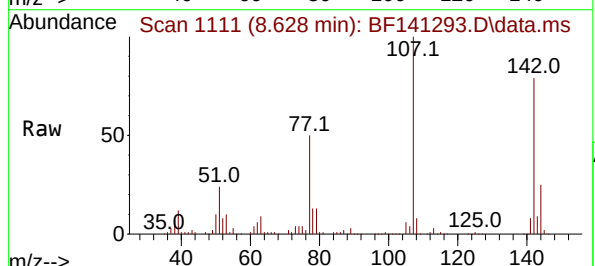
Tgt Ion:107 Resp: 177981

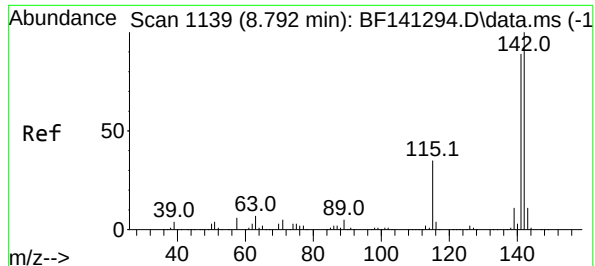
Ion Ratio Lower Upper

107 100

144 25.5 20.7 31.1

142 79.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 21.630 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 38603

Ion Ratio Lower Upper

142 100

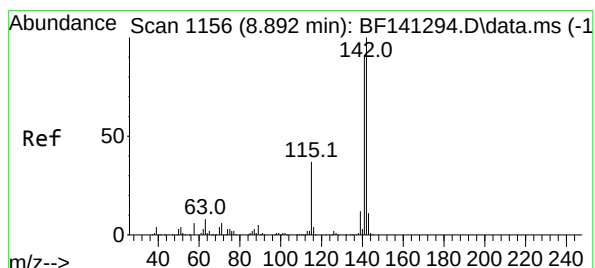
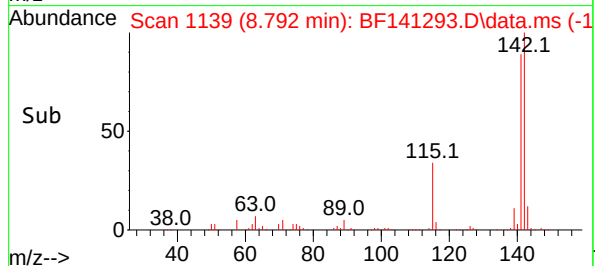
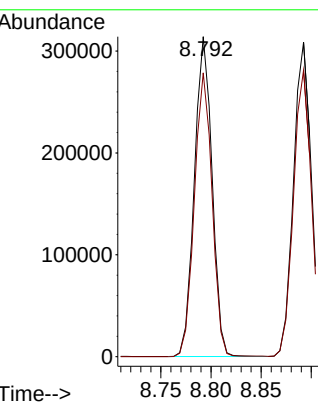
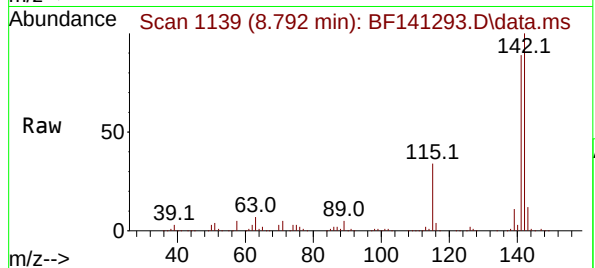
141 88.7 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 21.671 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141293.D

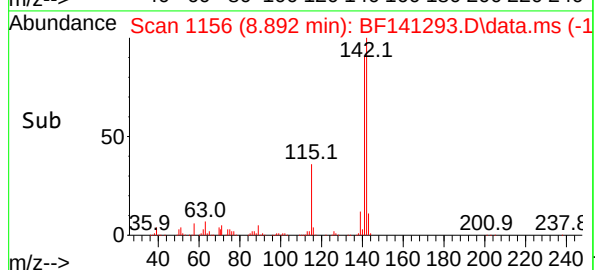
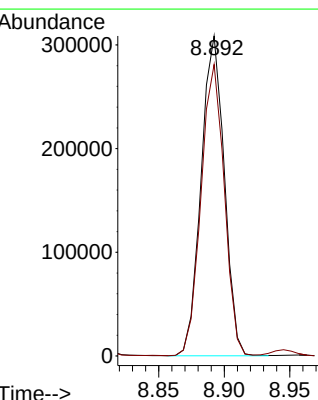
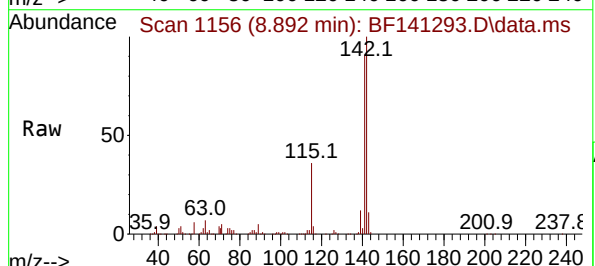
Acq: 29 Jan 2025 15:17

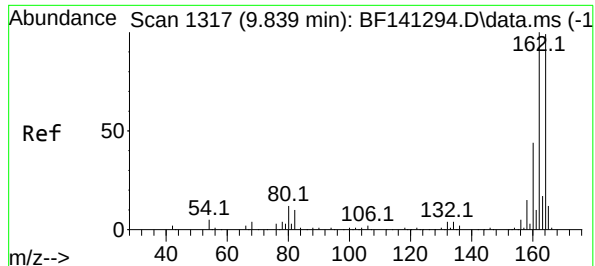
Tgt Ion:142 Resp: 378878

Ion Ratio Lower Upper

142 100

141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

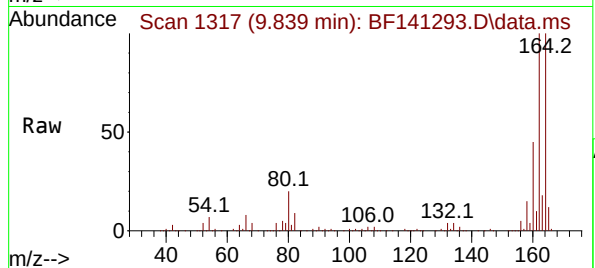
Acq: 29 Jan 2025 15:17

Instrument :

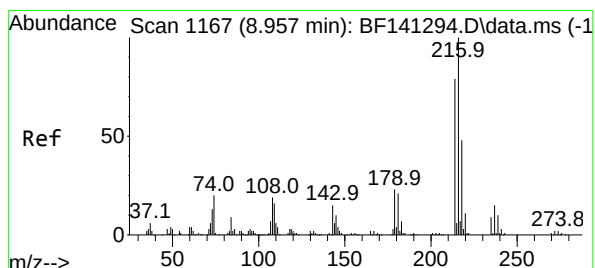
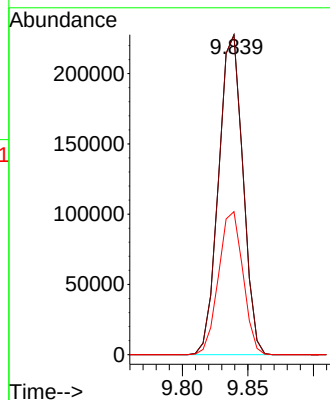
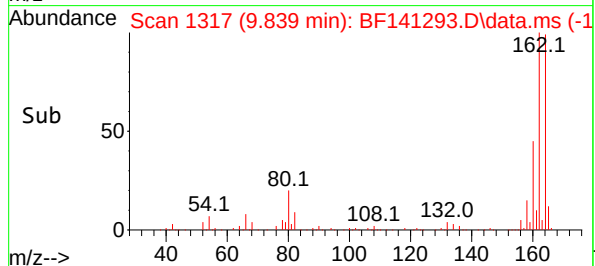
BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:	164	Resp:	293084
Ion Ratio	Lower	Upper	
164	100		
162	99.8	80.6	121.0
160	44.7	35.8	53.6

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

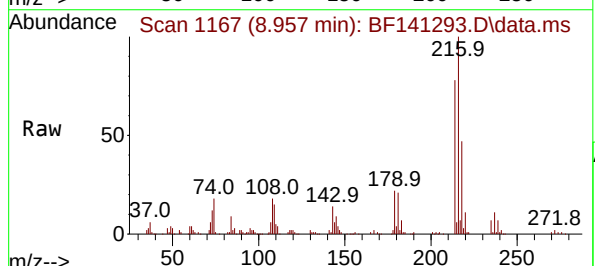
Concen: 21.209 ng

RT: 8.957 min Scan# 1167

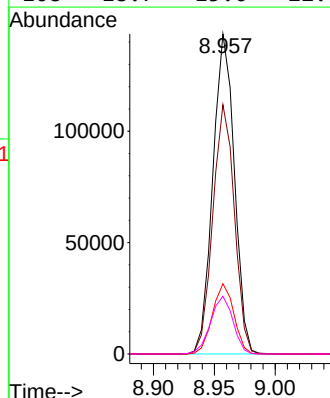
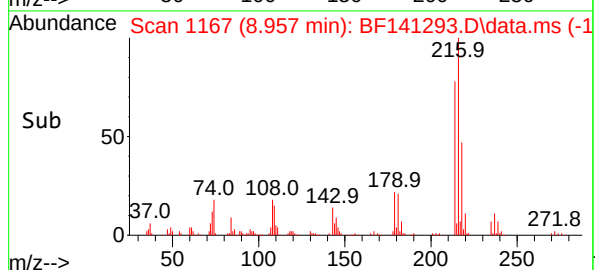
Delta R.T. 0.000 min

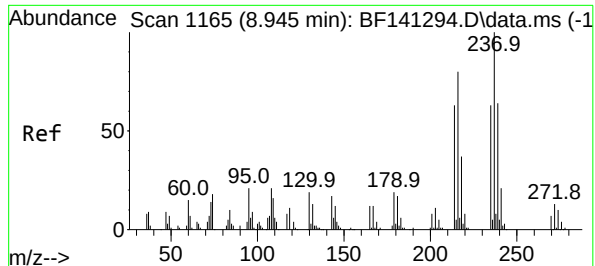
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:	216	Resp:	176736
Ion Ratio	Lower	Upper	
216	100		
214	77.9	63.2	94.8
179	21.9	17.8	26.8
108	18.7	15.0	22.6





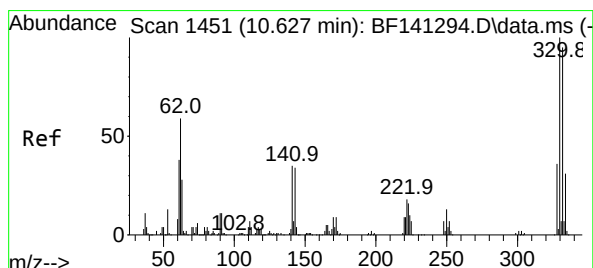
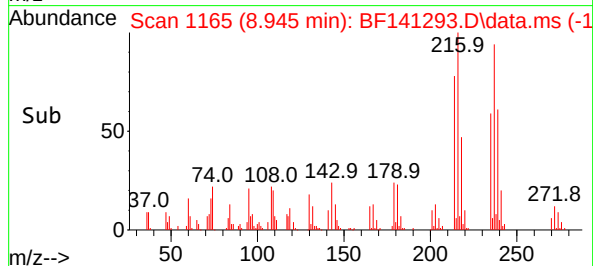
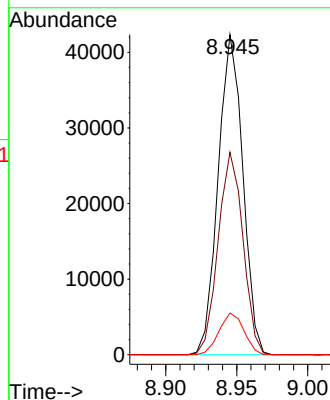
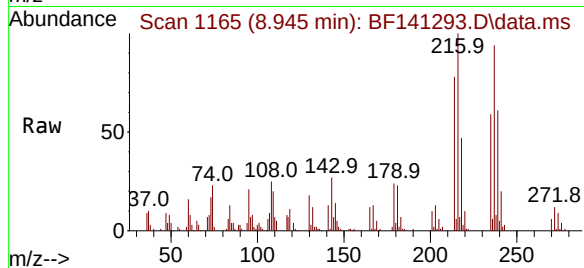
#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 237 Resp: 5111
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 13.0 0.0 32.8

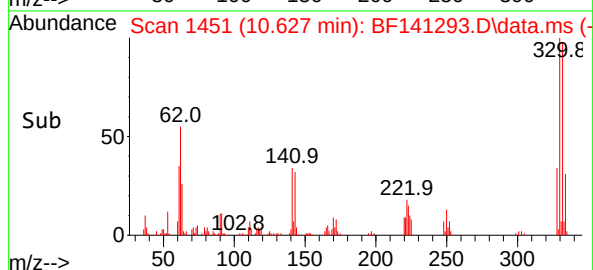
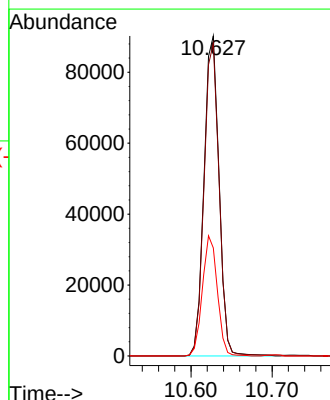
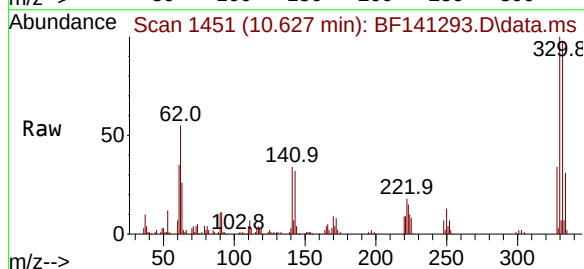
Manual Integrations
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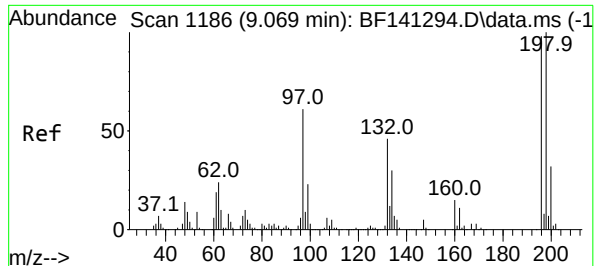
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 21.029 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141293.D

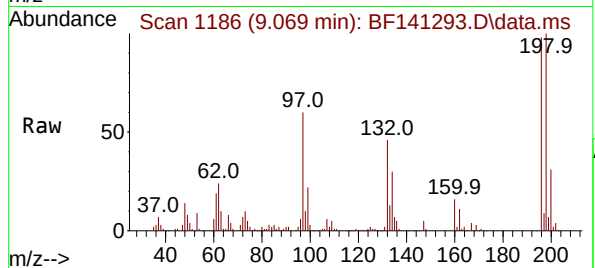
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 114390

Ion Ratio Lower Upper

196 100

198 102.3 81.8 122.6

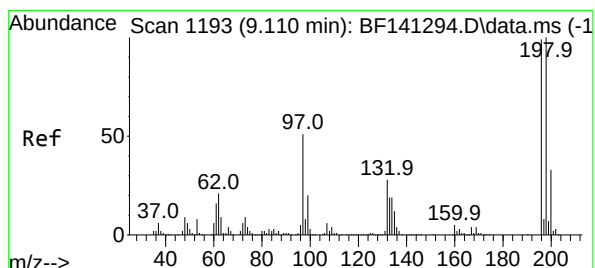
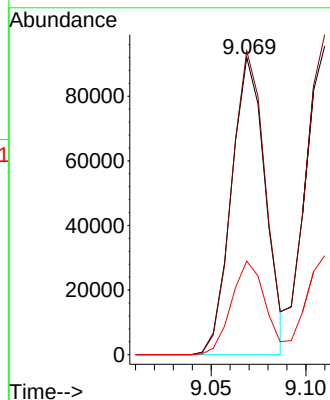
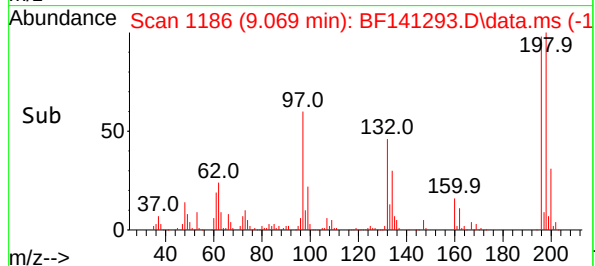
200 31.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

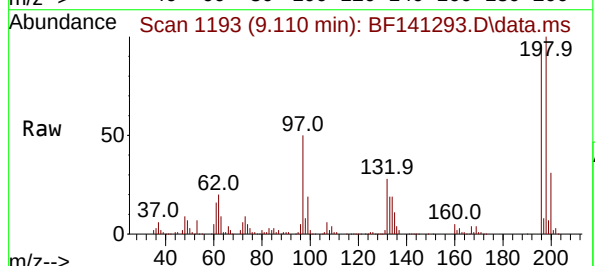
Concen: 21.245 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:196 Resp: 125725

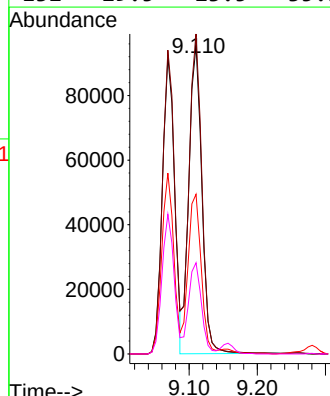
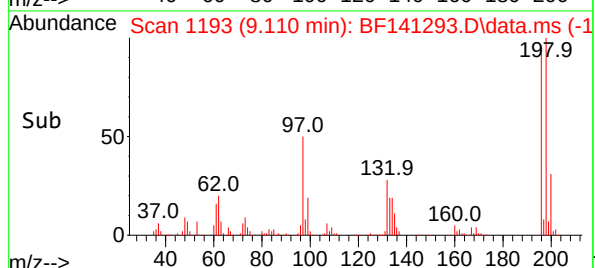
Ion Ratio Lower Upper

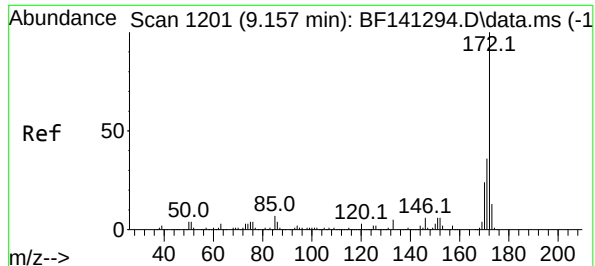
196 100

198 103.7 80.5 120.7

97 51.8 42.8 64.2

132 29.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 43.127 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 81937

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

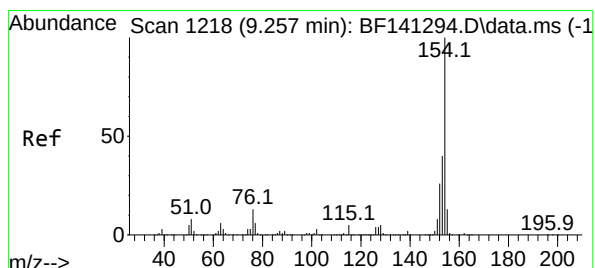
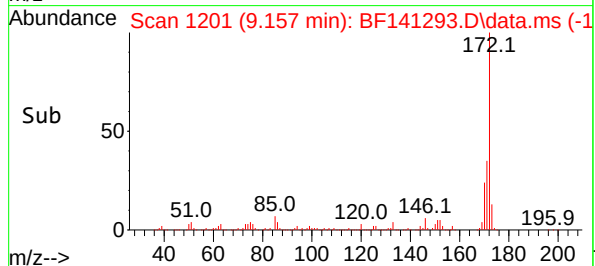
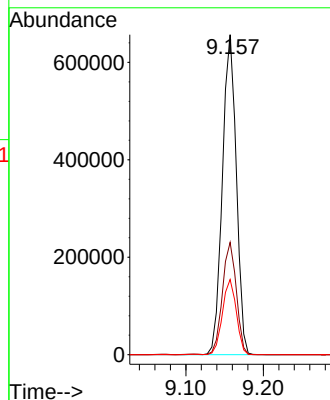
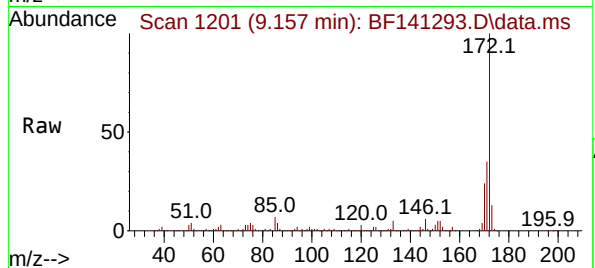
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 21.145 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

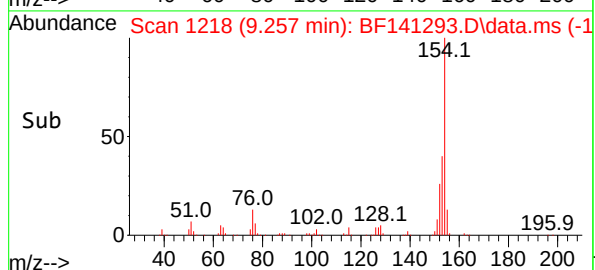
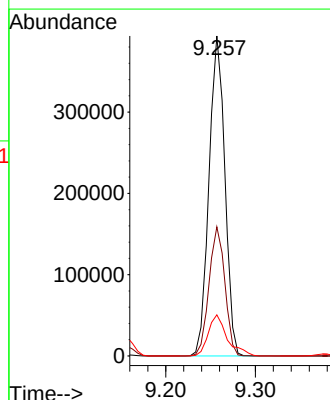
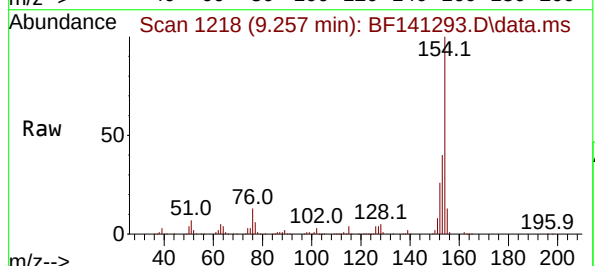
Tgt Ion:154 Resp: 483479

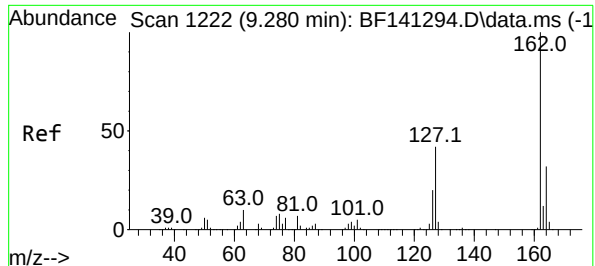
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 21.282 ng

RT: 9.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141293.D

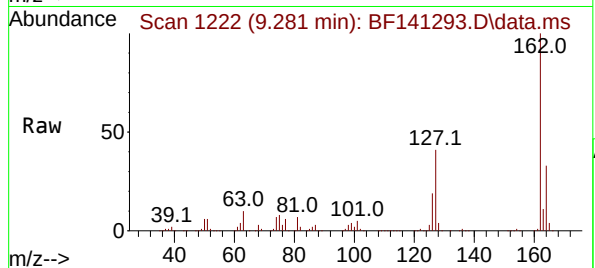
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 377940

Ion Ratio Lower Upper

162 100

127 40.8 33.7 50.5

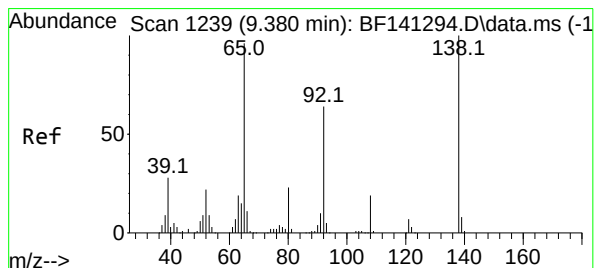
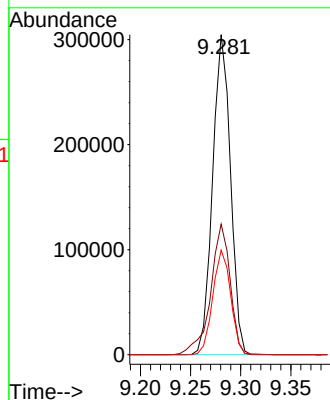
164 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 21.310 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

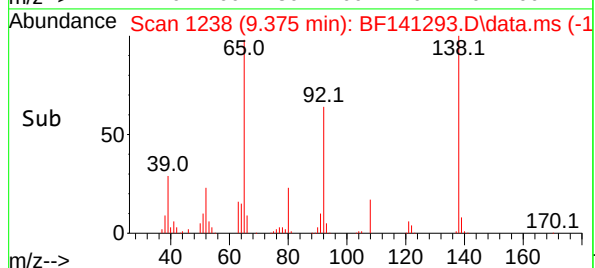
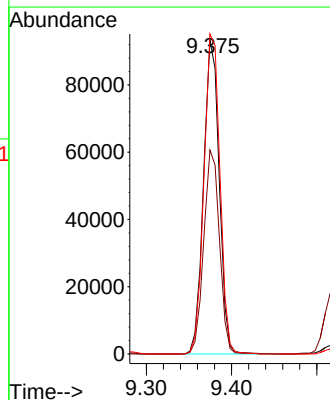
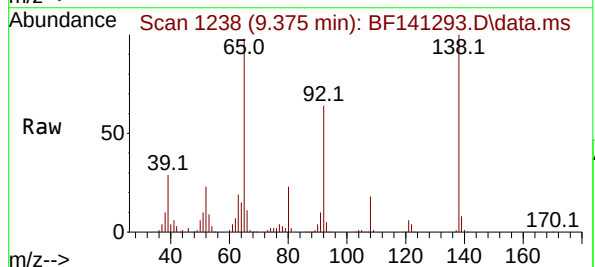
Tgt Ion: 65 Resp: 119359

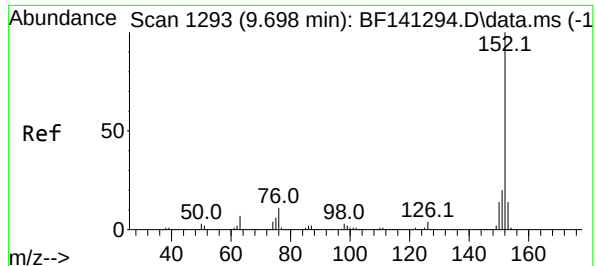
Ion Ratio Lower Upper

65 100

92 64.9 53.3 79.9

138 102.0 83.6 125.4





#49

Acenaphthylene

Concen: 21.328 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

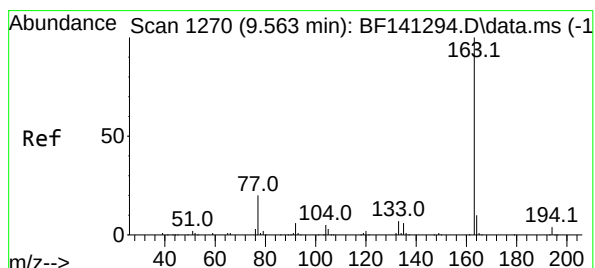
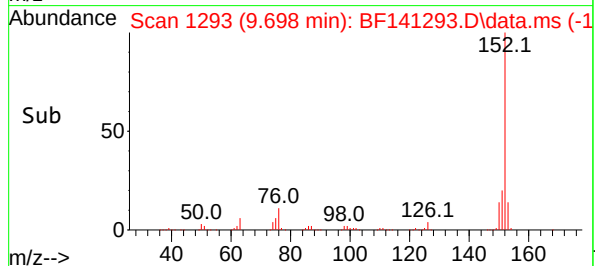
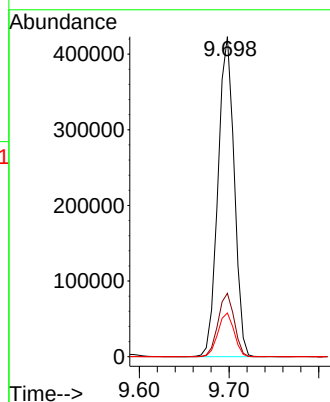
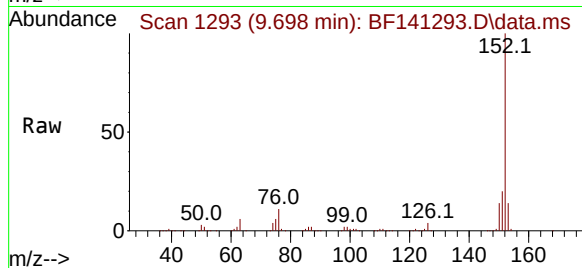
Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:152	Resp: 53195
Ion Ratio	Lower Upper
152	100
151	19.8 16.2 24.2
153	13.7 11.0 16.6

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 21.542 ng

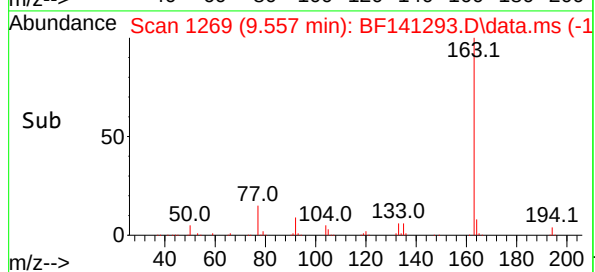
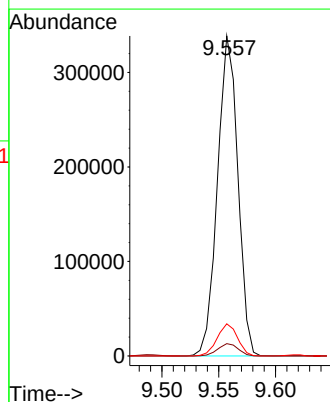
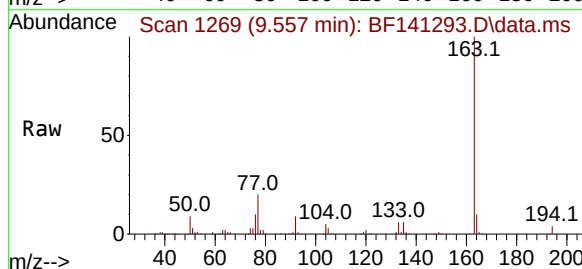
RT: 9.557 min Scan# 1269

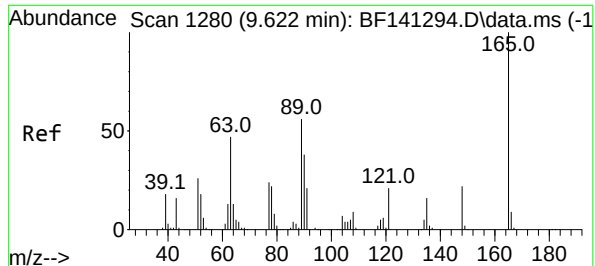
Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:163	Resp: 423377
Ion Ratio	Lower Upper
163	100
194	3.8 3.0 4.6
164	10.0 8.0 12.0





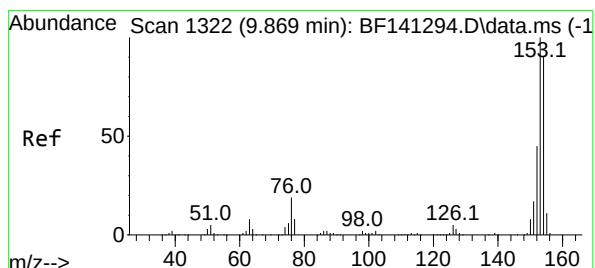
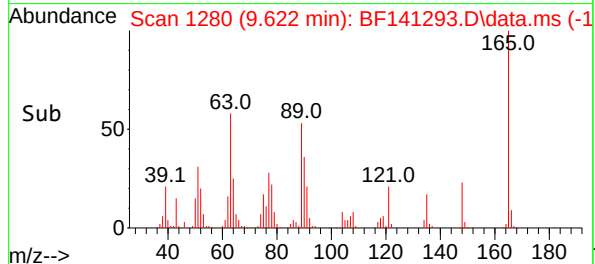
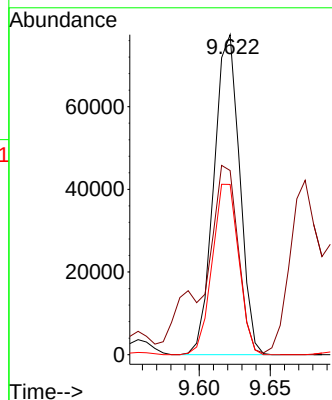
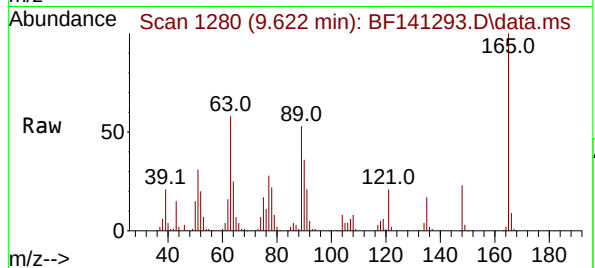
#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 9762
Ion Ratio Lower Upper
165 100
63 57.6 48.1 72.1
89 53.2 44.9 67.3

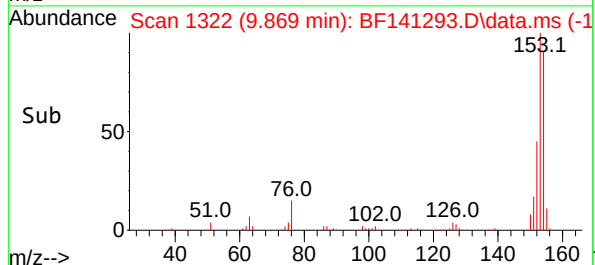
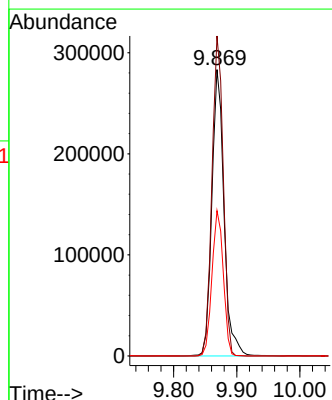
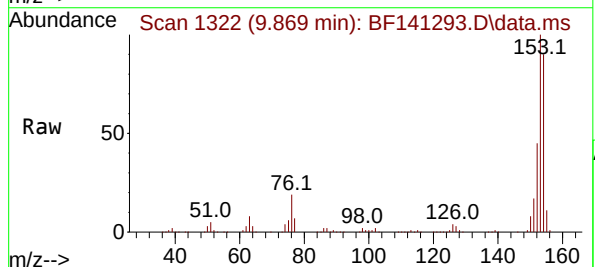
Manual Integrations
APPROVED

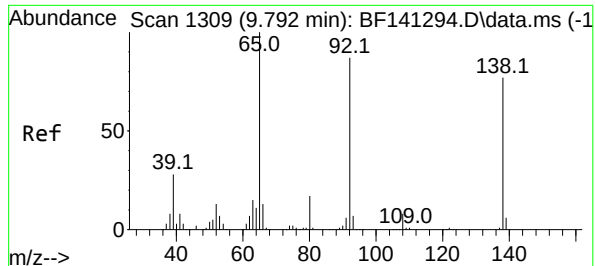
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

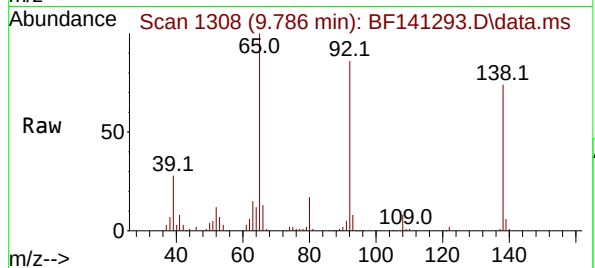
Tgt Ion:154 Resp: 378511
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.7 40.2 60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

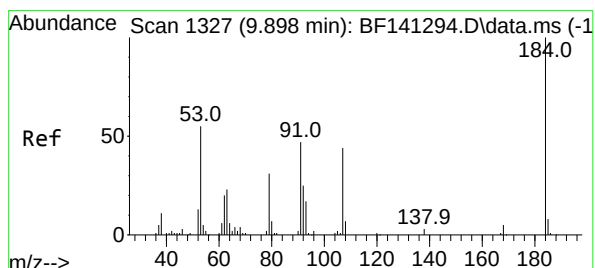
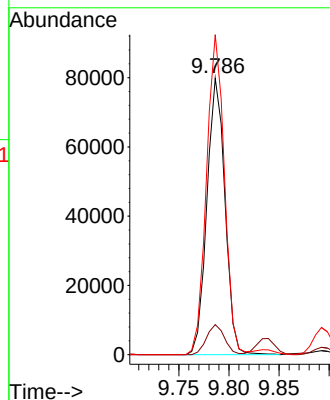
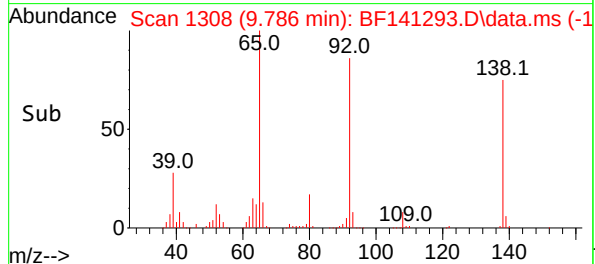
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 100085
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 115.8 91.0 136.6

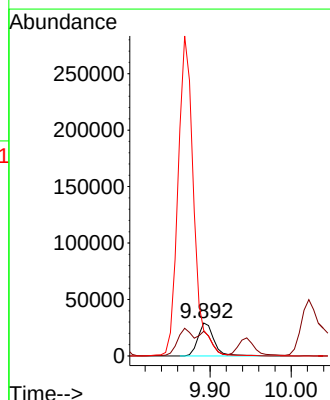
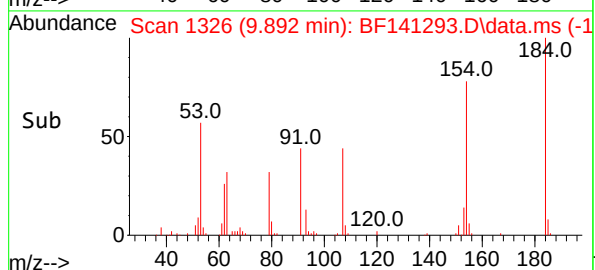
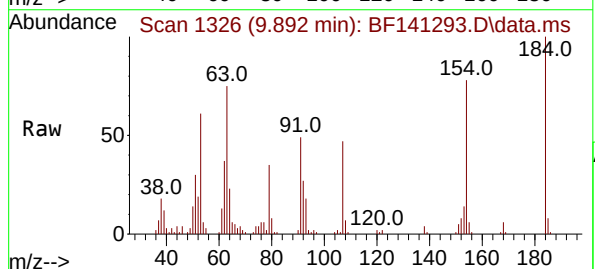
Manual Integrations
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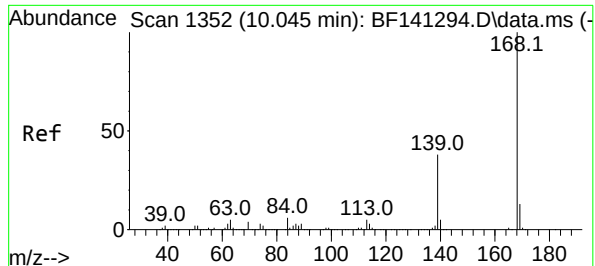
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003
Ion Ratio Lower Upper
184 100
63 75.1 54.1 81.1
154 78.0 50.7 76.1#





#55

Dibenzenofuran

Concen: 21.665 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

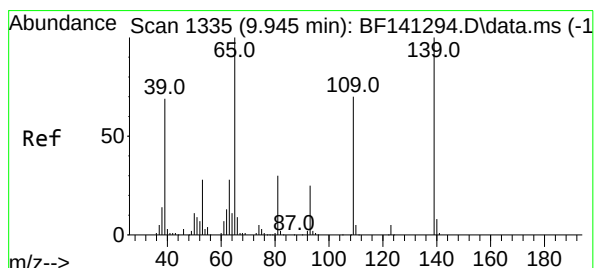
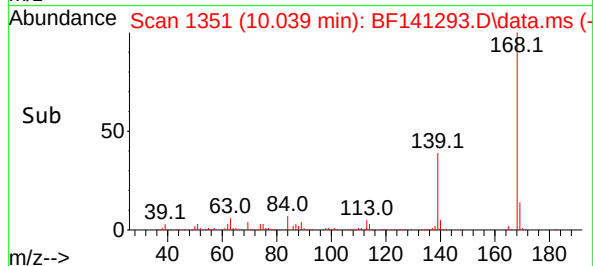
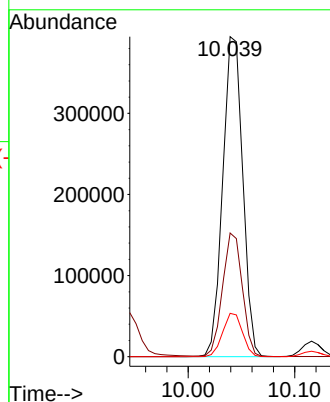
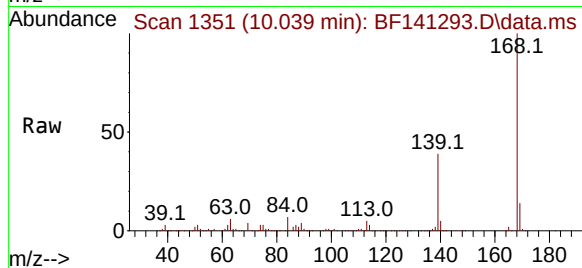
Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168	Resp: 51422
Ion Ratio	Lower Upper
168	100
139	38.7 30.6 46.0
169	13.5 10.8 16.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#56

4-Nitrophenol

Concen: 22.607 ng

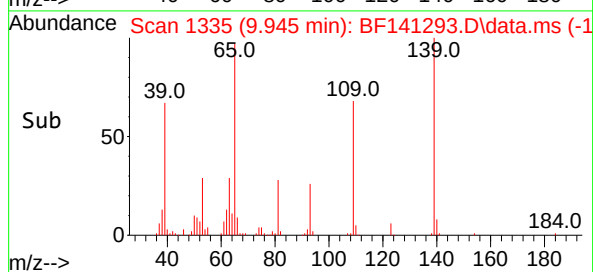
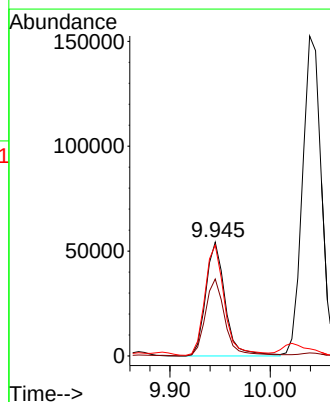
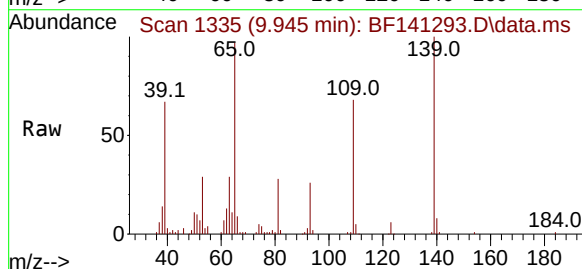
RT: 9.945 min Scan# 1335

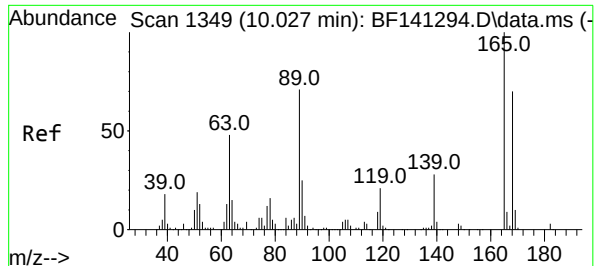
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

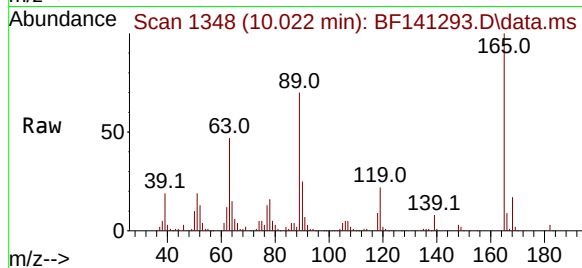
Tgt Ion:139	Resp: 73425
Ion Ratio	Lower Upper
139	100
109	67.7 50.2 90.2
65	97.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

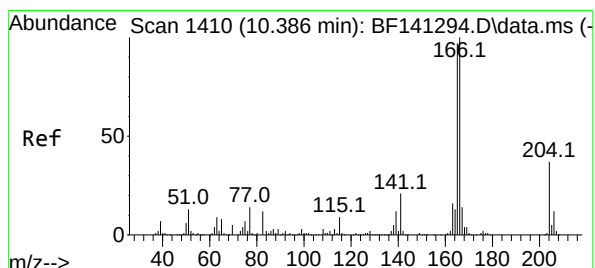
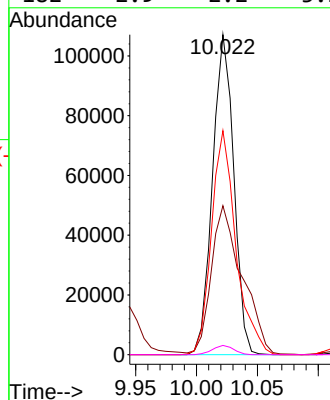
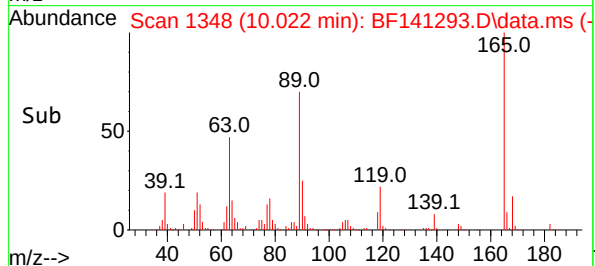
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 46.6 39.2 58.8
89 70.0 56.9 85.3
182 2.9 2.2 3.2

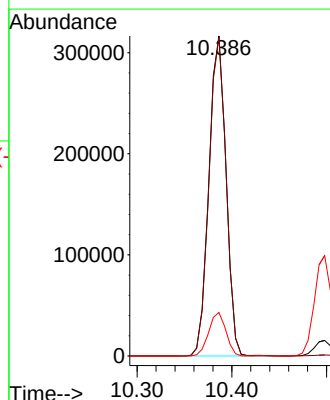
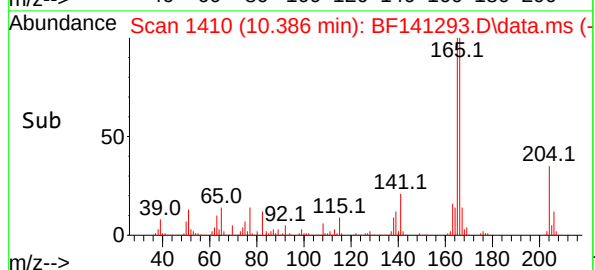
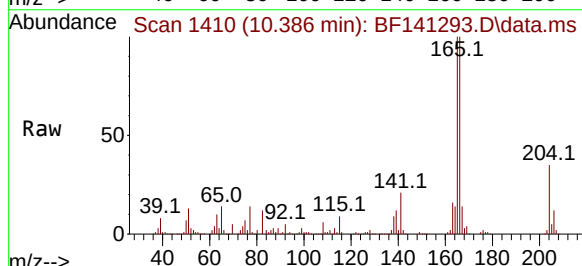
Manual Integrations
APPROVED

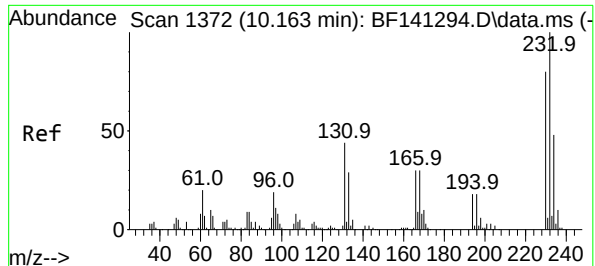
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

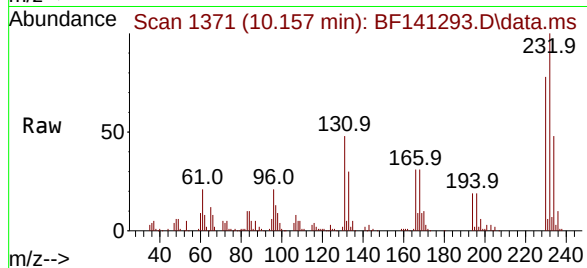
Tgt Ion:166 Resp: 396520
Ion Ratio Lower Upper
166 100
165 99.5 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

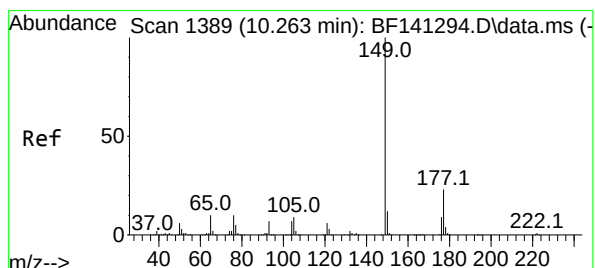
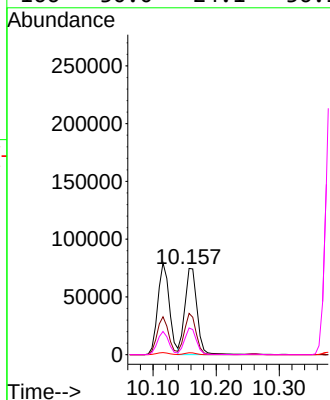
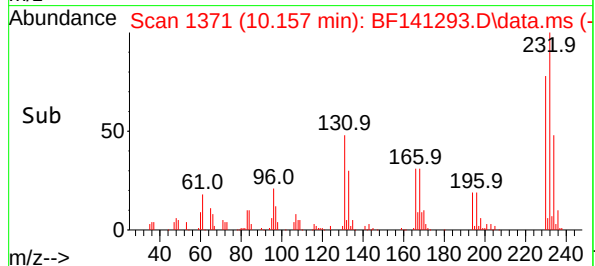
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 9984
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 30.0 24.1 36.1

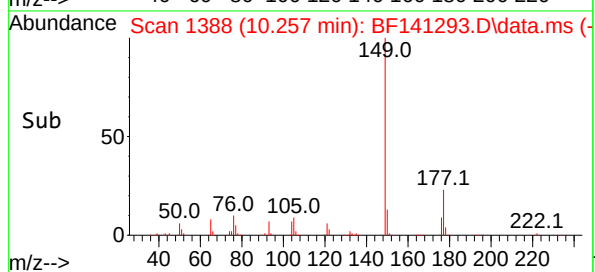
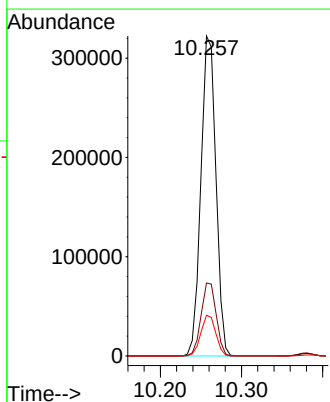
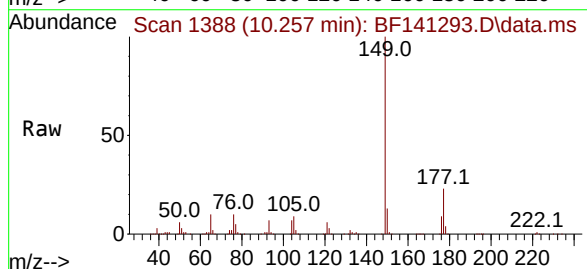
Manual Integrations
APPROVED

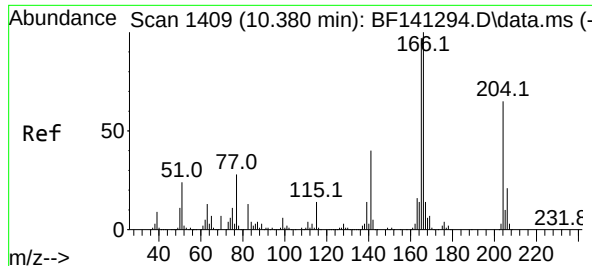
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 413889
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





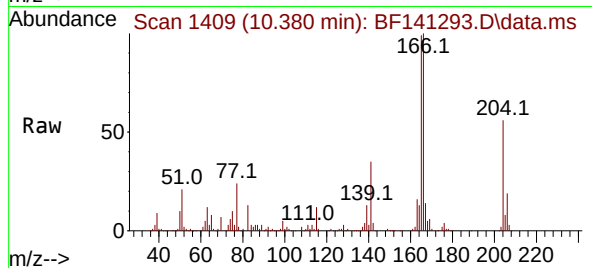
#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

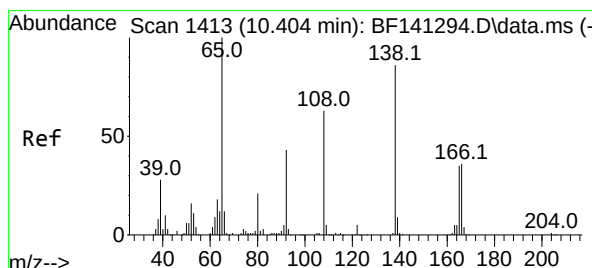
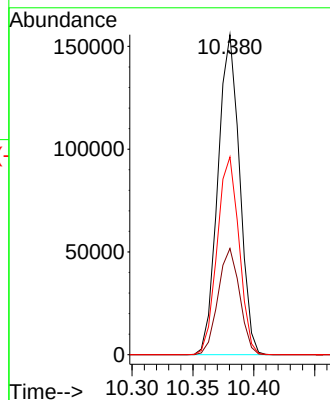
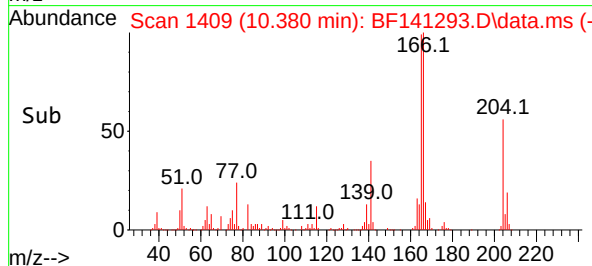
SSTDICC020



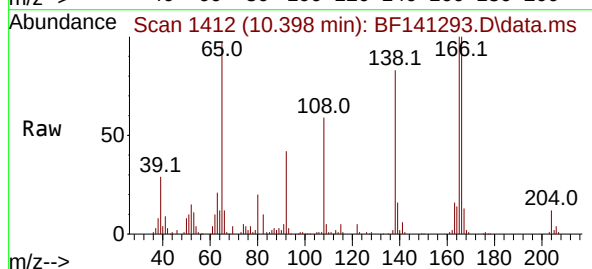
Tgt Ion:204 Resp: 193134
Ion Ratio Lower Upper
204 100
206 33.2 25.9 38.9
141 61.8 49.5 74.3

Manual Integrations
APPROVED

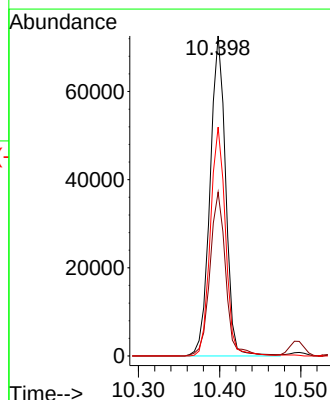
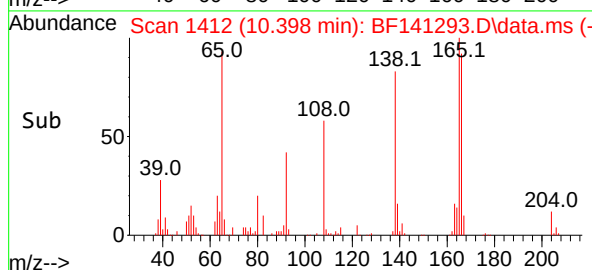
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

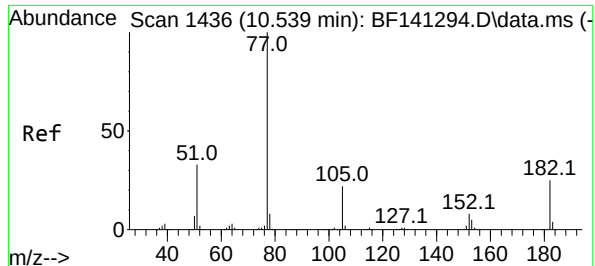


#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



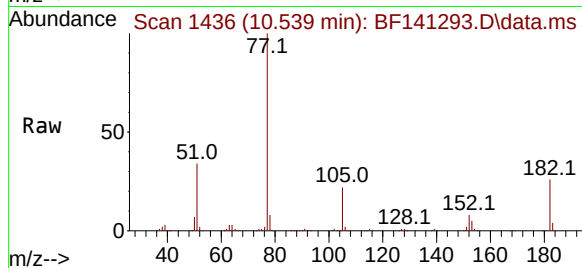
Tgt Ion:138 Resp: 96692
Ion Ratio Lower Upper
138 100
92 51.2 30.1 70.1
108 71.5 53.1 93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

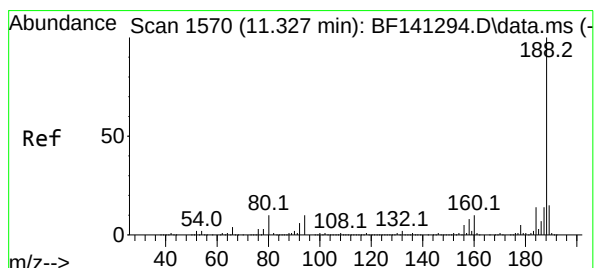
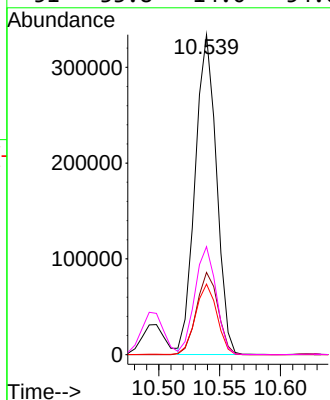
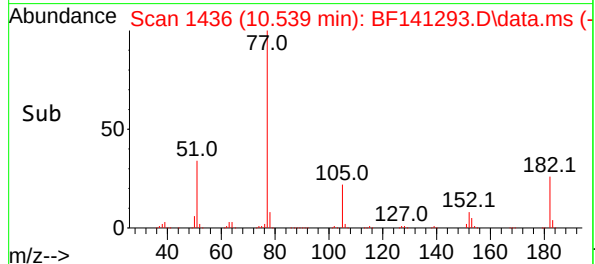
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 407492
Ion Ratio Lower Upper
77 100
182 25.7 5.1 45.1
105 22.1 1.8 41.8
51 33.8 14.0 54.0

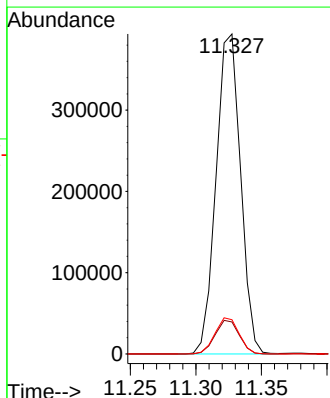
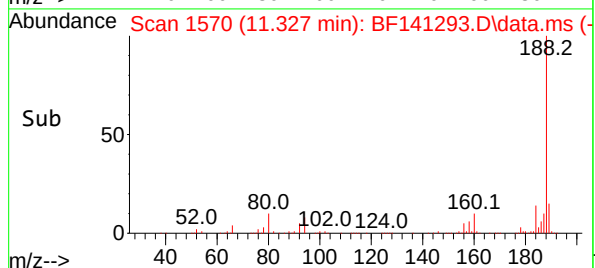
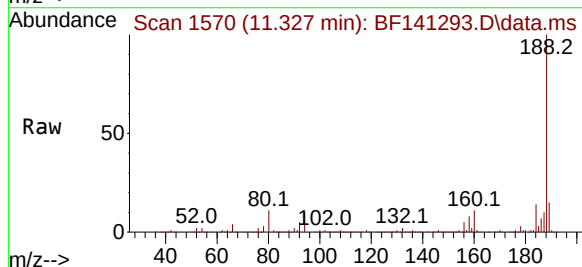
Manual Integrations
APPROVED

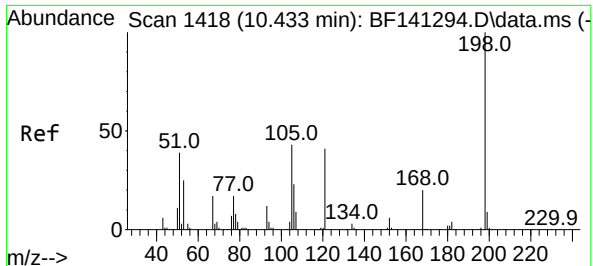
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.2 12.4





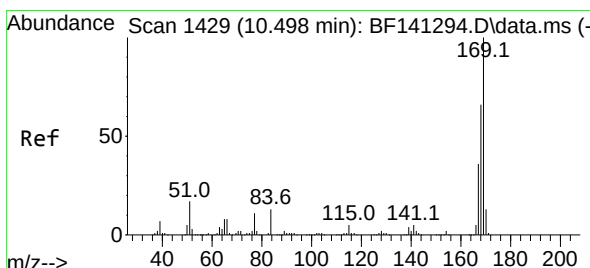
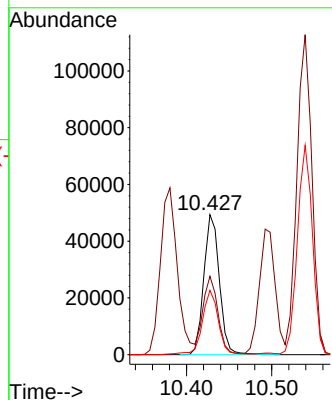
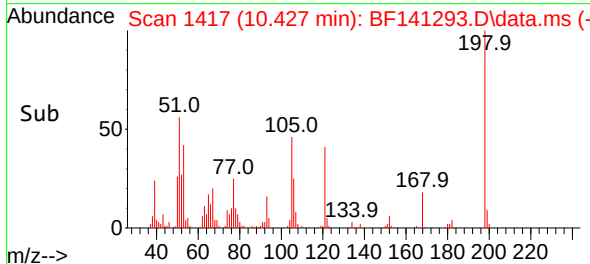
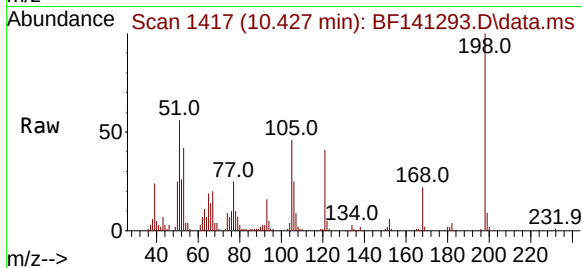
#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 62572
Ion Ratio Lower Upper
198 100
51 56.0 33.4 73.4
105 45.9 24.4 64.4

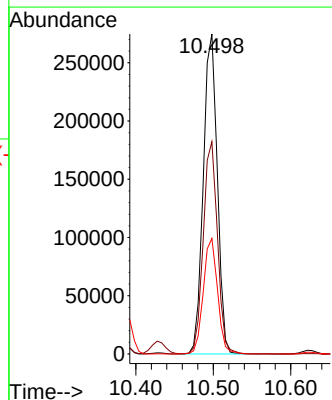
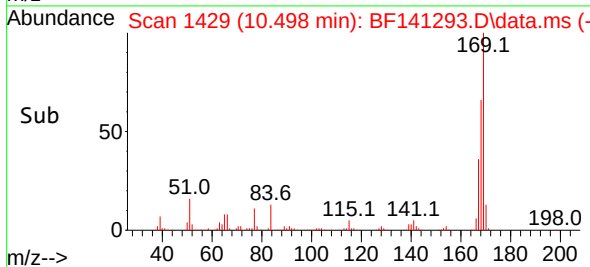
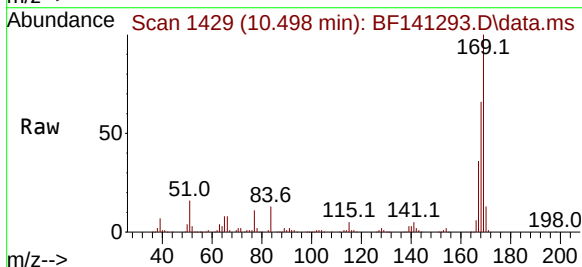
Manual Integrations
APPROVED

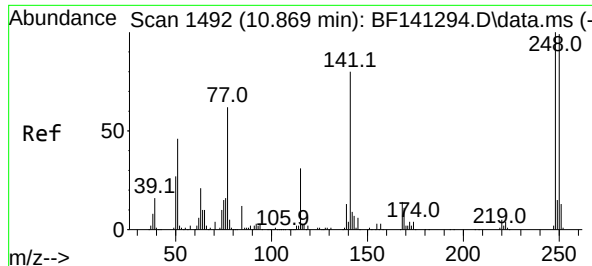
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

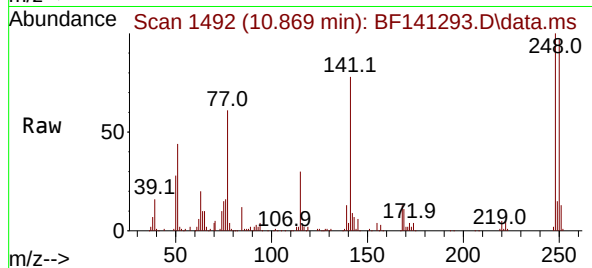
Tgt Ion:169 Resp: 344387
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

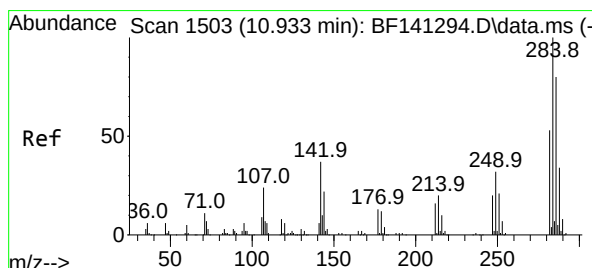
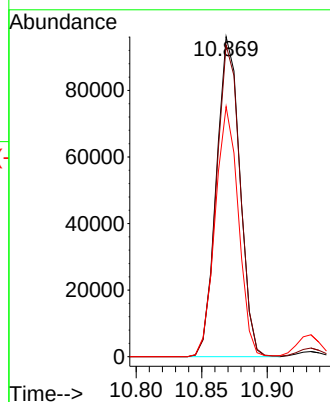
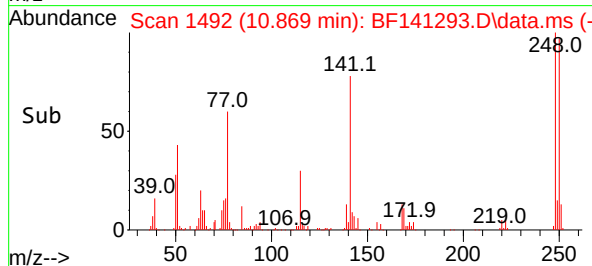
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



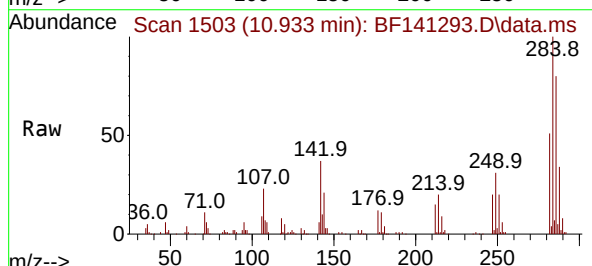
Tgt Ion:248 Resp: 119844
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.1 63.7 95.5

Manual Integrations
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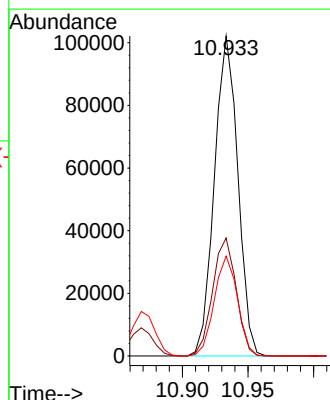
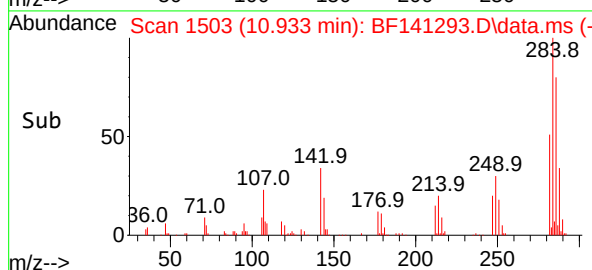
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

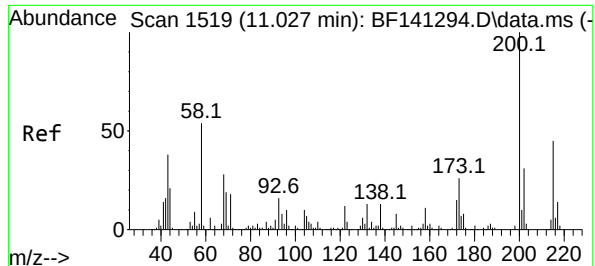


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:284 Resp: 126823
Ion Ratio Lower Upper
284 100
142 36.8 29.5 44.3
249 31.2 25.4 38.2





#69

Atrazine

Concen: 19.627 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 10913

Ion Ratio Lower Upper

200 100

173 25.5 5.9 45.9

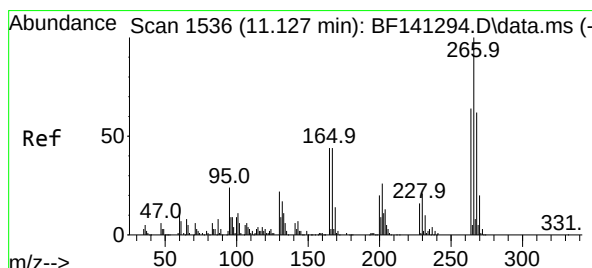
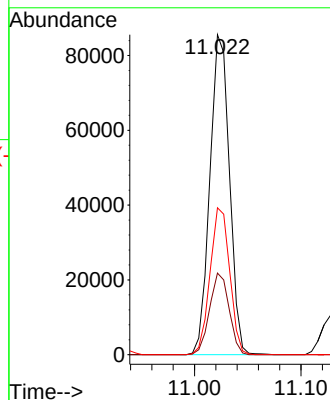
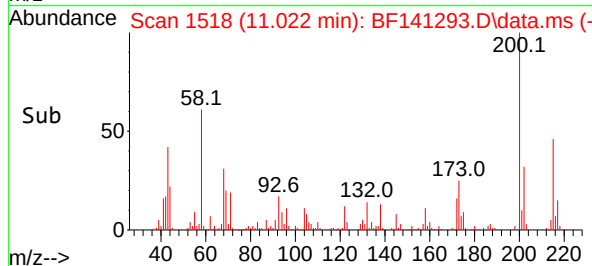
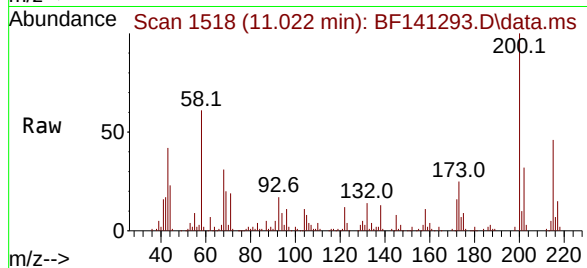
215 45.9 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 20.958 ng

RT: 11.127 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

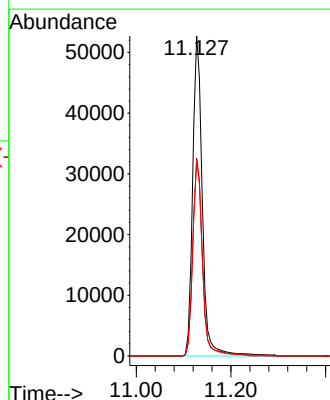
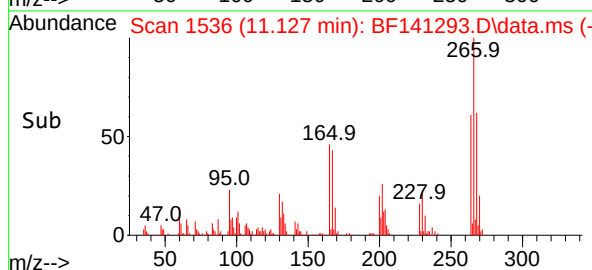
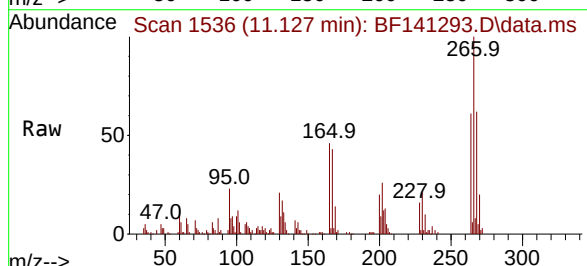
Tgt Ion:266 Resp: 74508

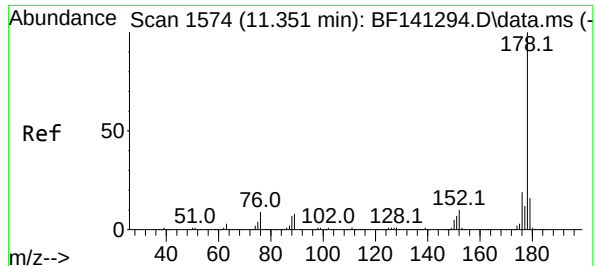
Ion Ratio Lower Upper

266 100

268 61.8 49.9 74.9

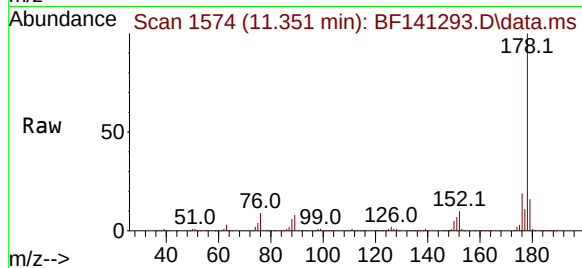
264 61.2 51.0 76.4





#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

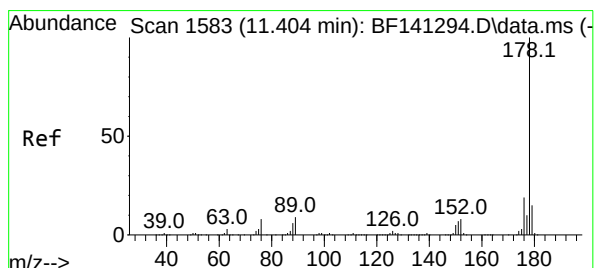
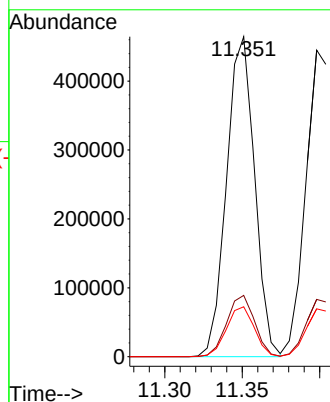
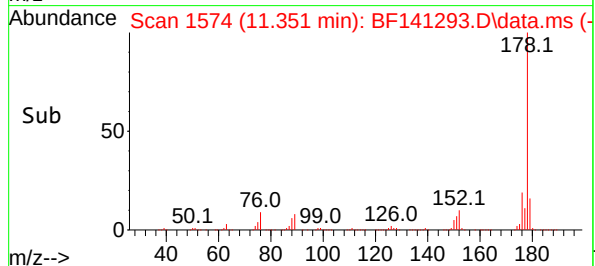
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 58402
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

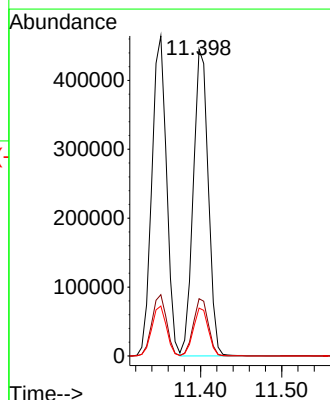
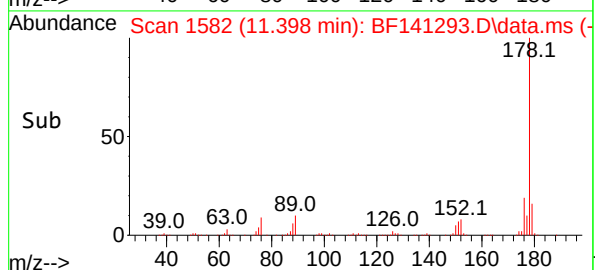
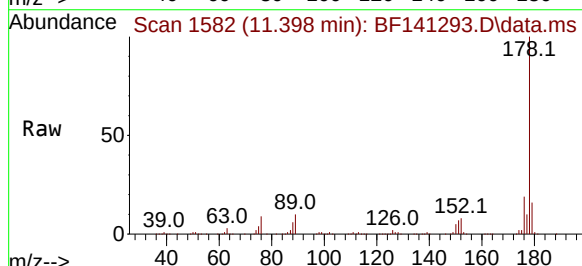
Manual Integrations
APPROVED

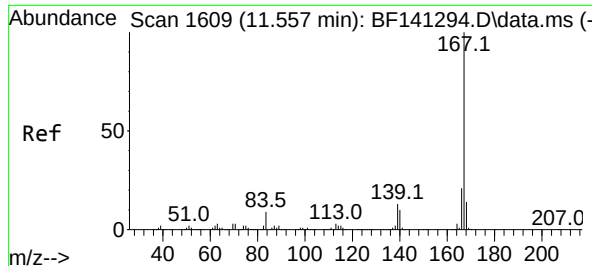
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

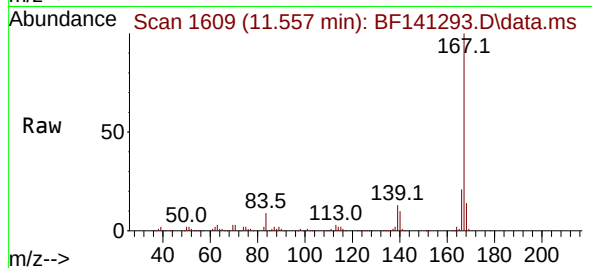
Tgt Ion:178 Resp: 572743
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

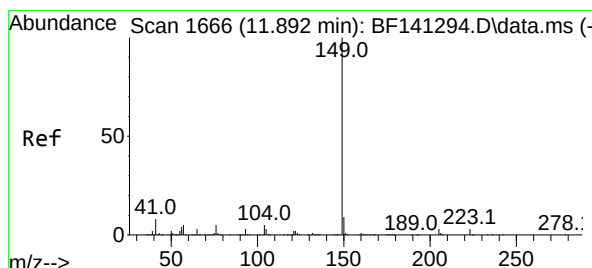
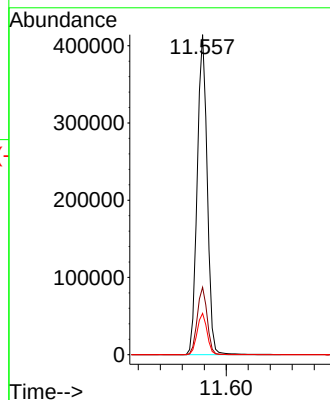
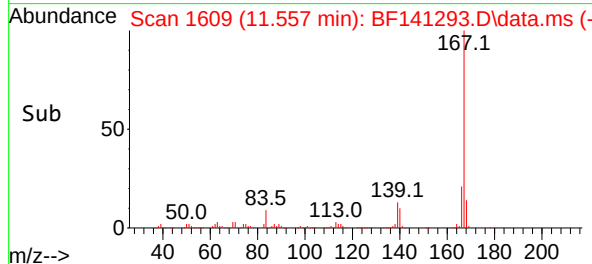
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



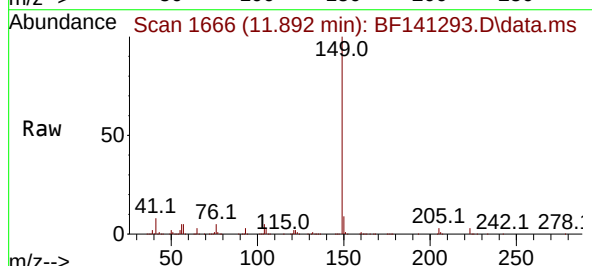
Tgt Ion:167 Resp: 522100
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.9 10.6 16.0

Manual Integrations
APPROVED

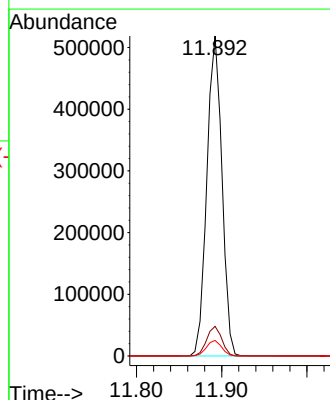
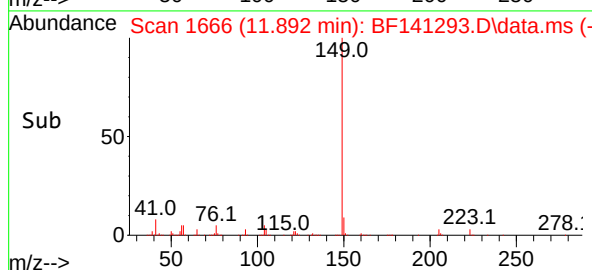
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

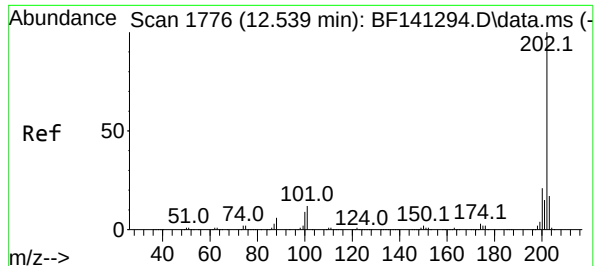


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



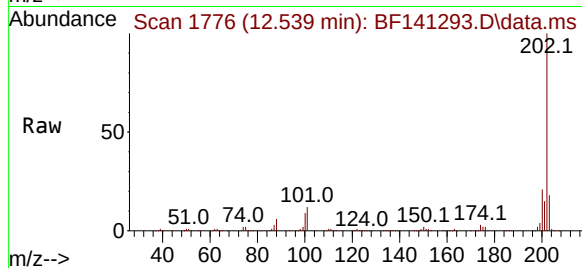
Tgt Ion:149 Resp: 636521
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.9 5.9





#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

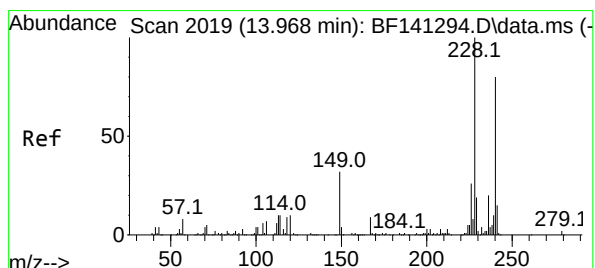
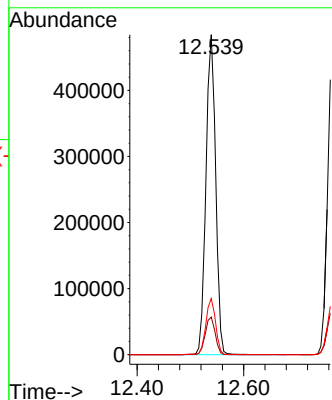
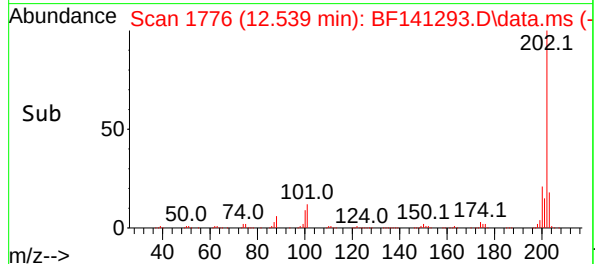
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



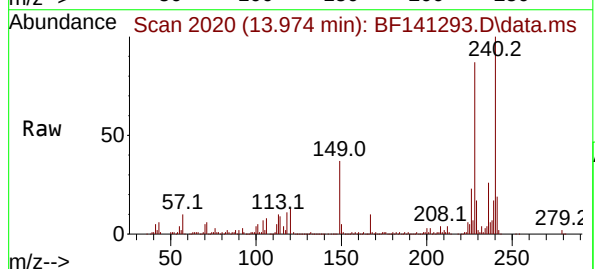
Tgt Ion:202 Resp: 611492
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.5

Manual Integrations
APPROVED

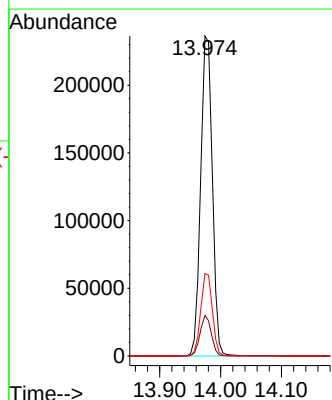
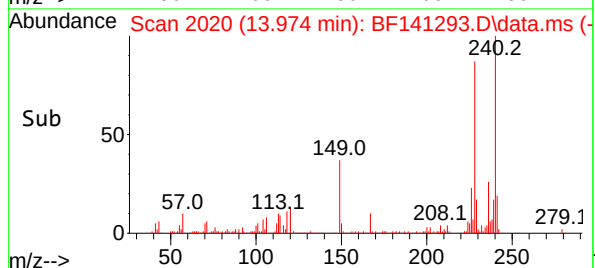
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

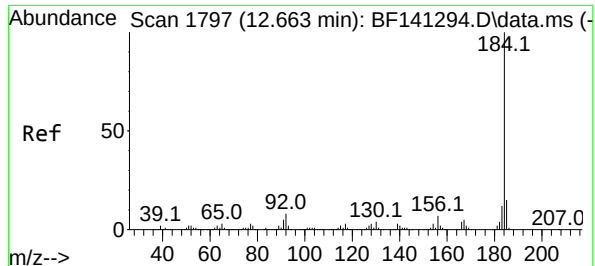


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:240 Resp: 314234
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.8 19.7 29.5





#77

Benzidine

Concen: 6.904 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

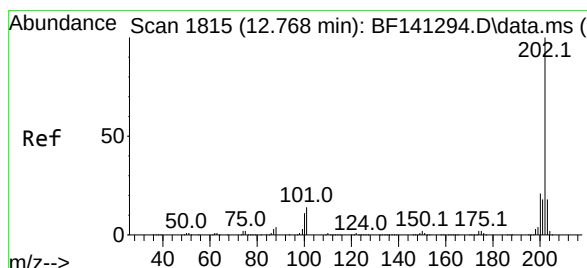
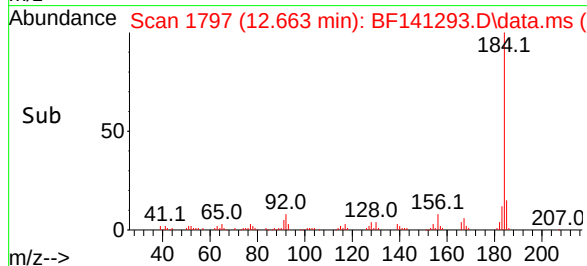
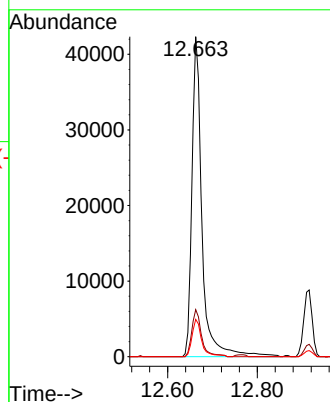
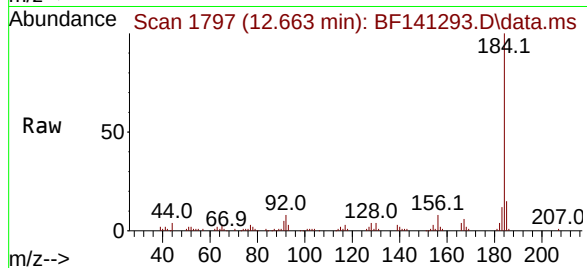
ClientSampleId :

SSTDICC020

Tgt Ion:184	Resp: 6596
Ion Ratio	Lower Upper
184	100
185	14.7 11.9 17.9
183	11.7 9.5 14.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 20.739 ng

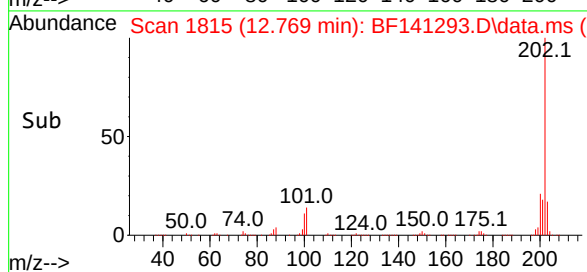
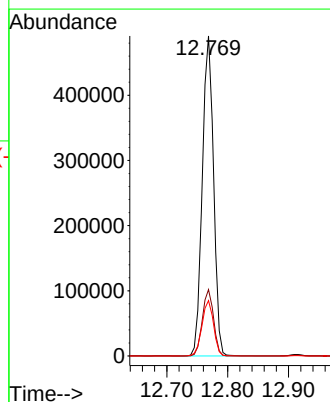
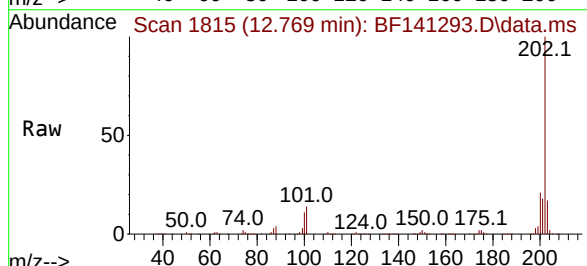
RT: 12.769 min Scan# 1815

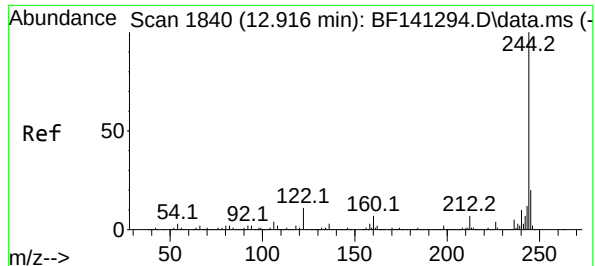
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:202	Resp: 629228
Ion Ratio	Lower Upper
202	100
200	20.7 17.0 25.4
203	17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 42.159 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

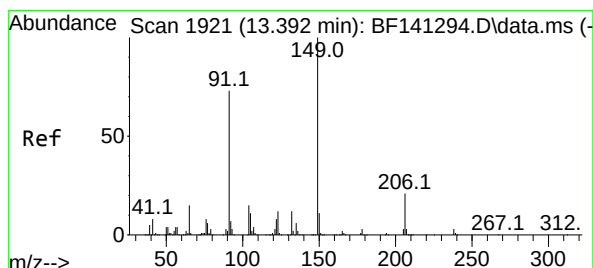
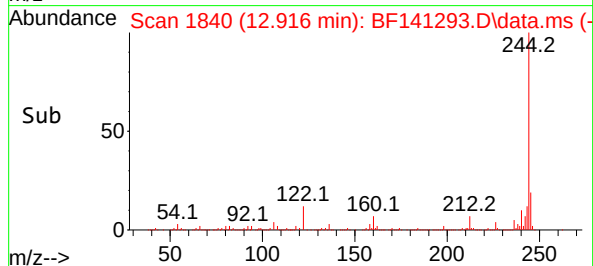
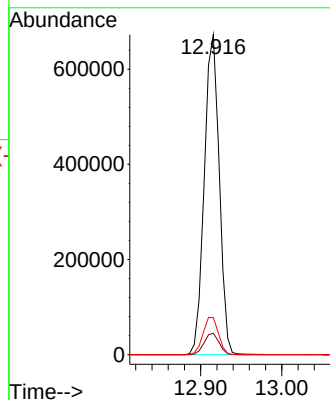
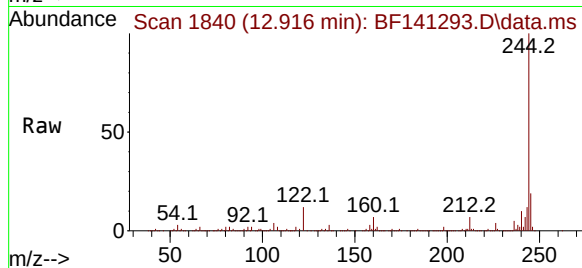
Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:	244	Resp:	860950
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.6	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#80

Butylbenzylphthalate

Concen: 22.149 ng

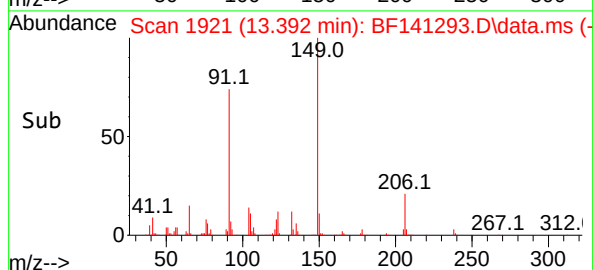
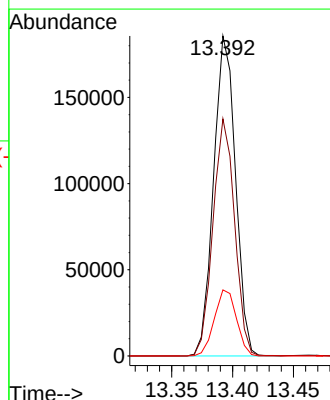
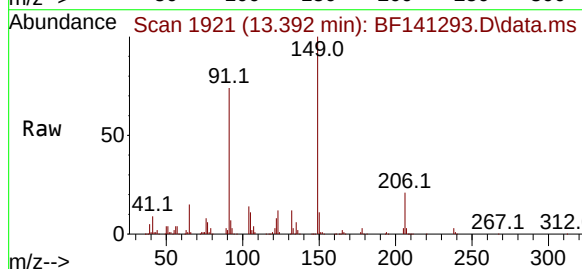
RT: 13.392 min Scan# 1921

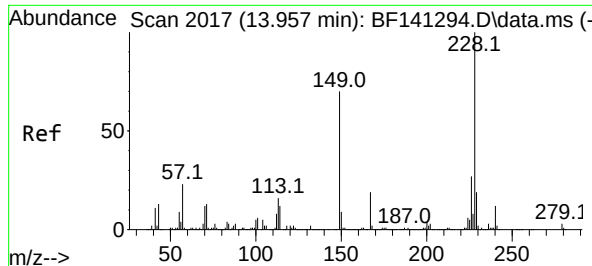
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:	149	Resp:	232095
Ion Ratio	Lower	Upper	
149	100		
91	74.1	58.6	87.8
206	20.7	16.7	25.1





#81

Benzo(a)anthracene

Concen: 21.197 ng

RT: 13.968 min Scan# 2018

Delta R.T. 0.012 min

Lab File: BF141293.D

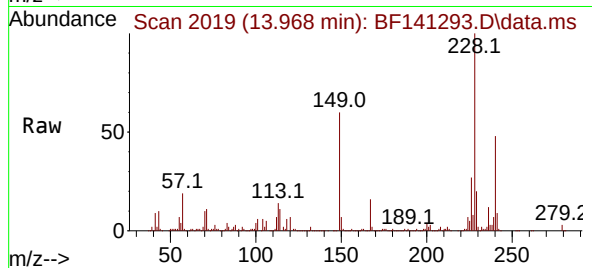
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:228 Resp: 45653

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

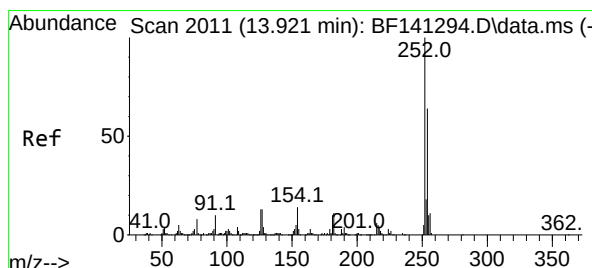
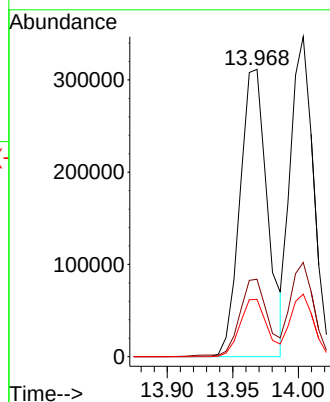
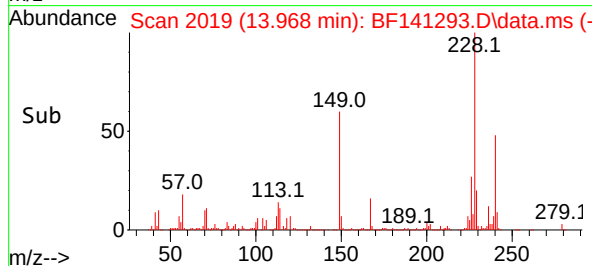
229 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#82

3,3'-Dichlorobenzidine

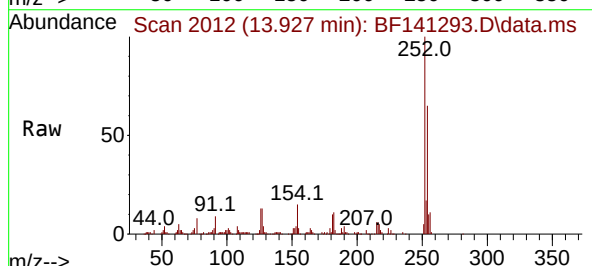
Concen: 19.914 ng

RT: 13.927 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



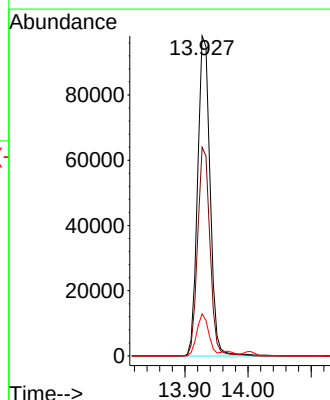
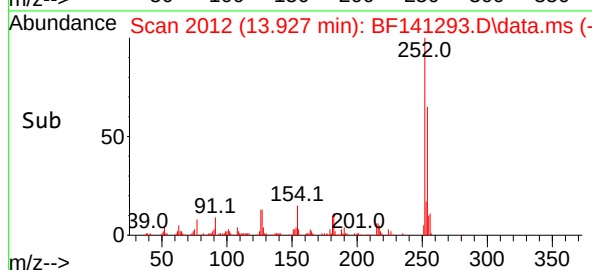
Tgt Ion:252 Resp: 134298

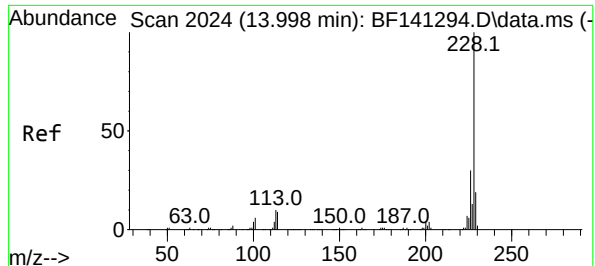
Ion Ratio Lower Upper

252 100

254 65.2 51.3 76.9

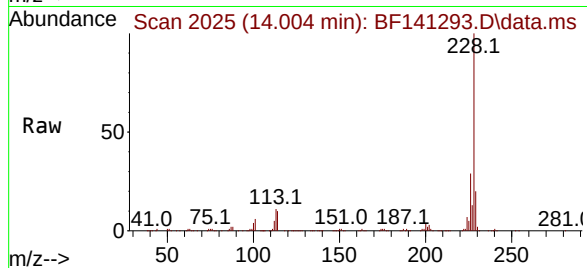
126 13.2 10.0 15.0





#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

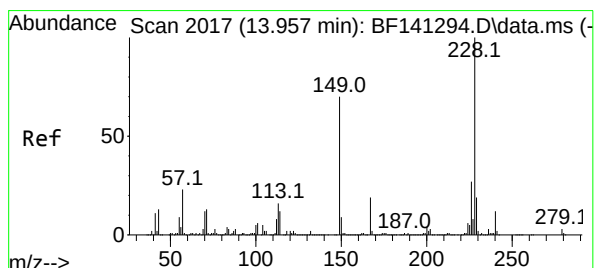
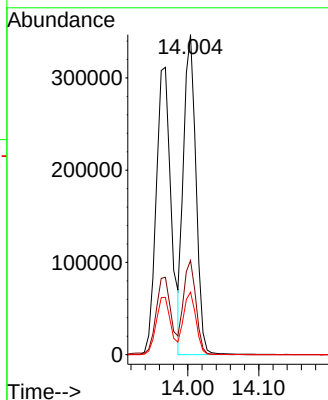
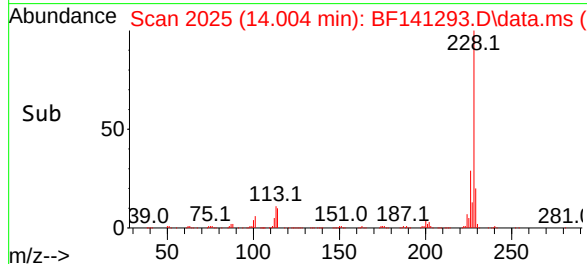
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 421849
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.5 15.6 23.4

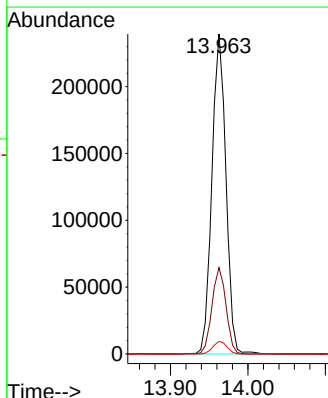
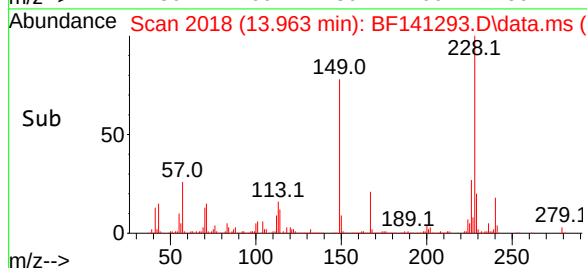
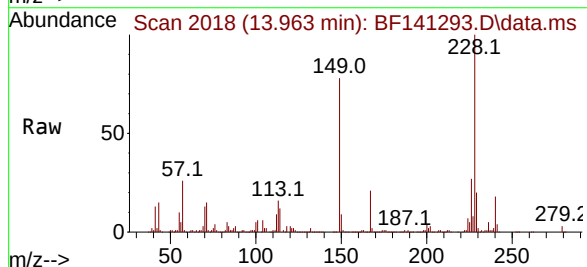
Manual Integrations
APPROVED

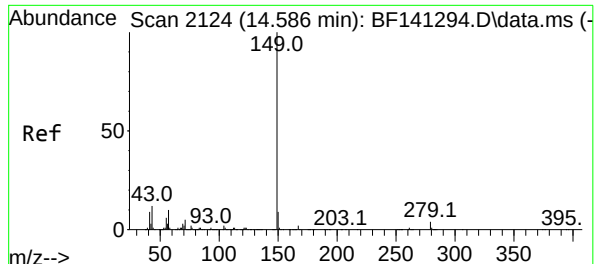
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

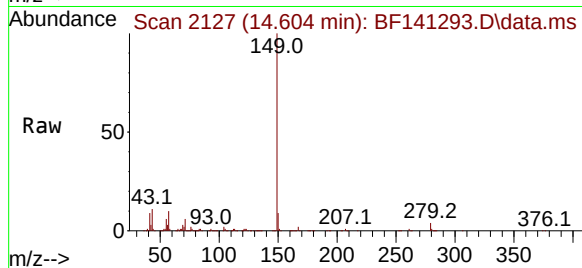
Tgt Ion:149 Resp: 300546
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

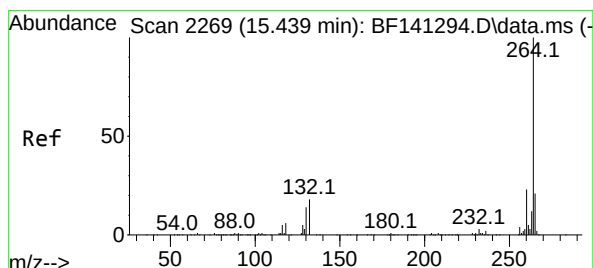
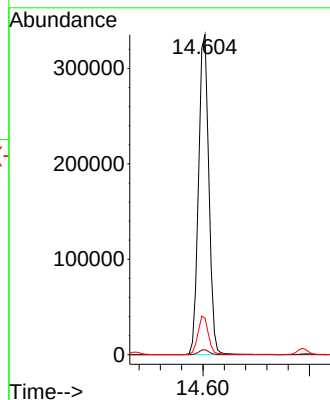
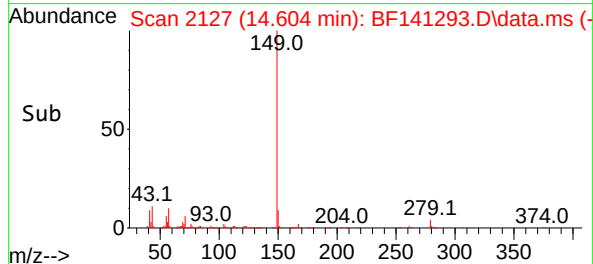
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 451748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

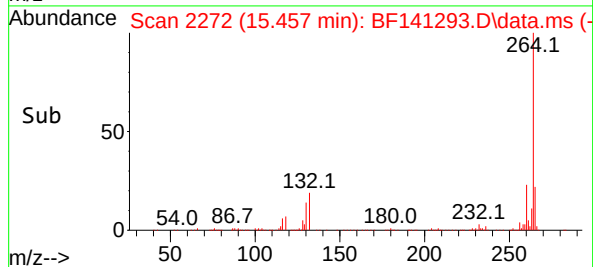
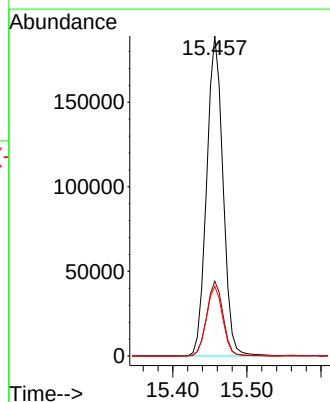
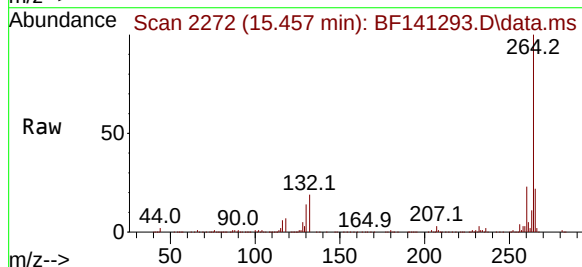
Manual Integrations
APPROVED

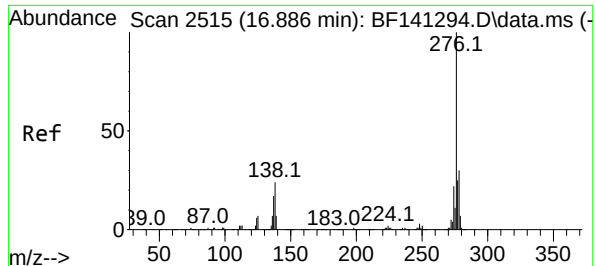
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.466 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

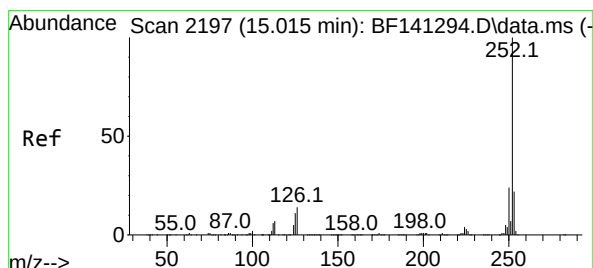
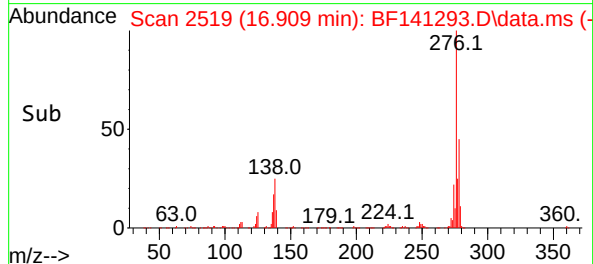
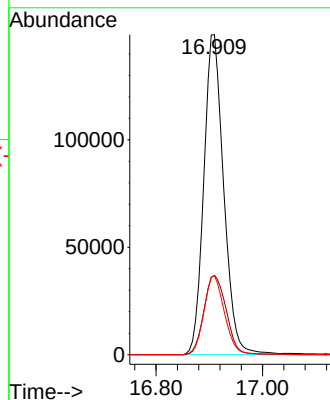
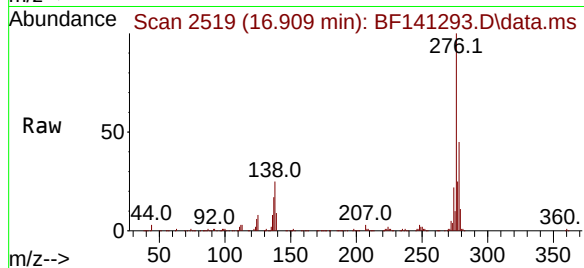
Tgt Ion:	276	Resp:	387089
Ion Ratio	Lower	Upper	
276	100		
138	27.6	21.7	32.5
277	25.5	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 21.383 ng

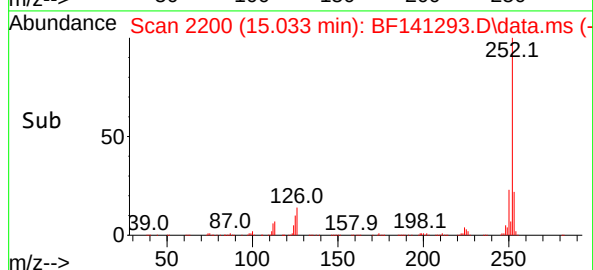
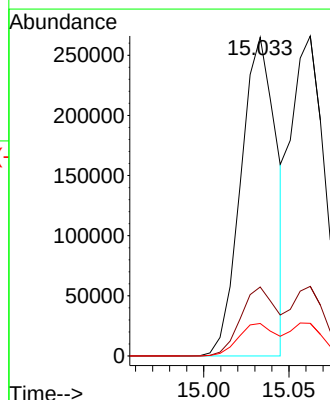
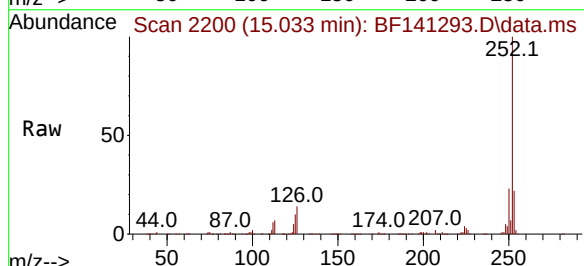
RT: 15.033 min Scan# 2200

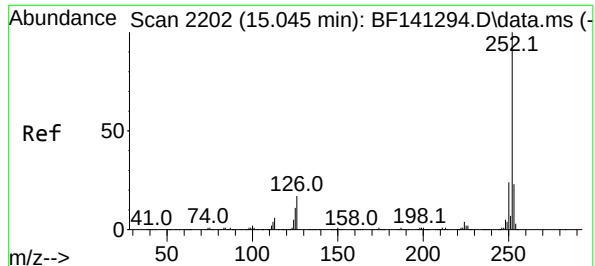
Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:	252	Resp:	384557
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.4	26.2
125	10.2	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 22.900 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

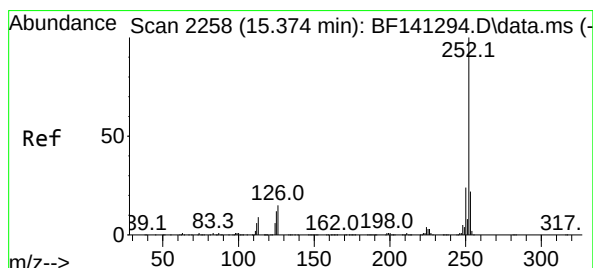
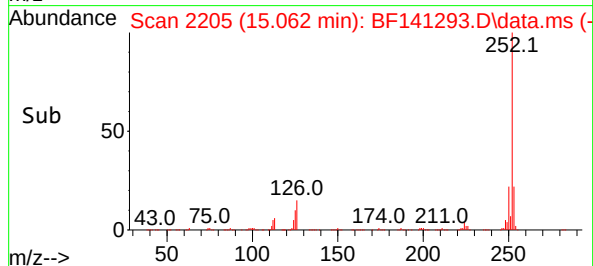
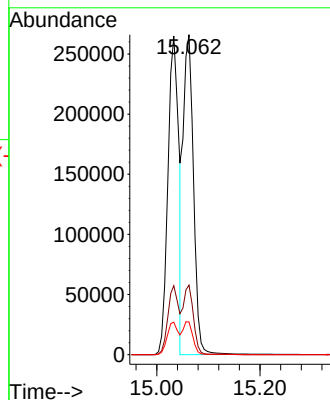
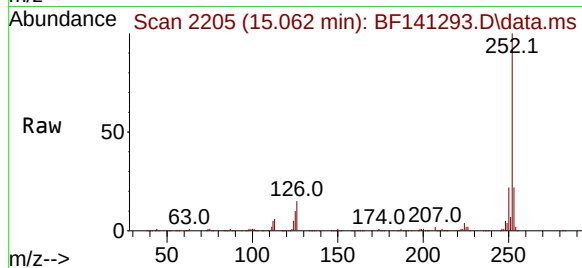
SSTDICC020

Tgt Ion:252 Resp: 36880

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.2	8.4	12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 21.317 ng

RT: 15.392 min Scan# 2261

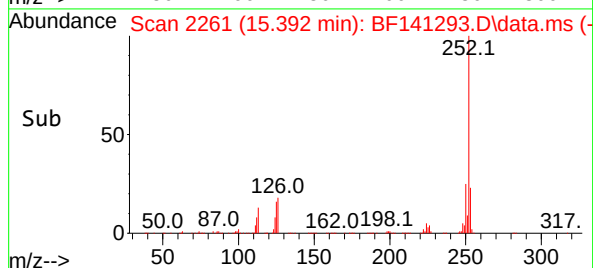
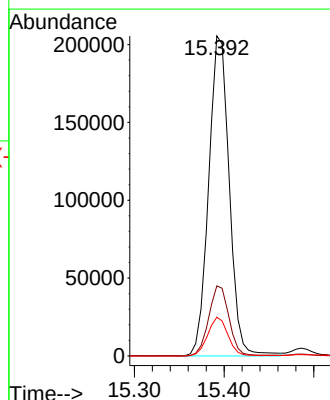
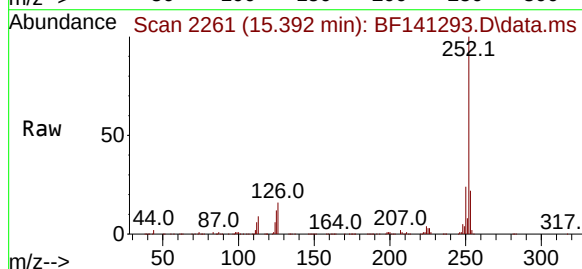
Delta R.T. 0.018 min

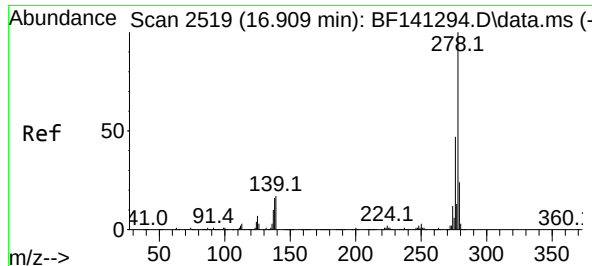
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 327630

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.1	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 21.026 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

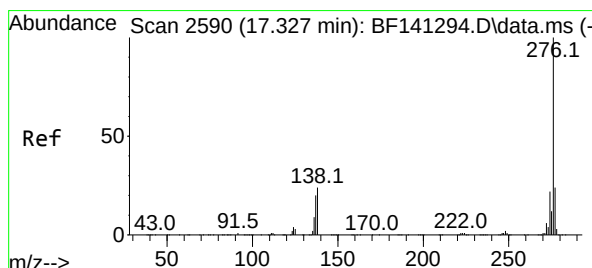
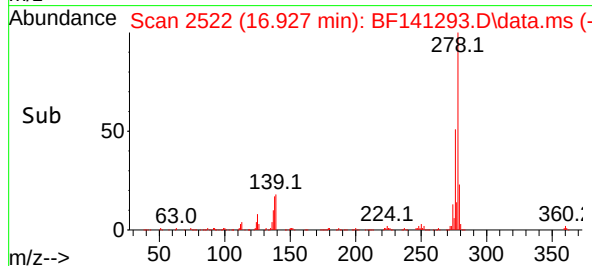
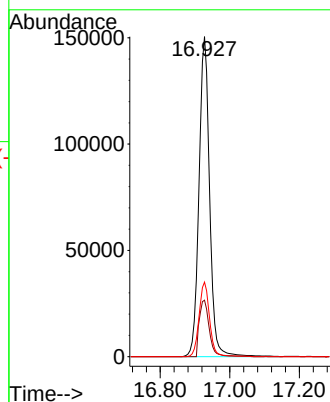
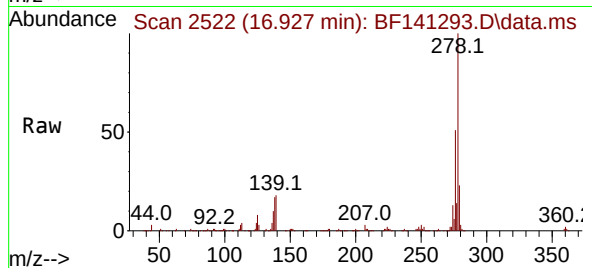
ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 318776
Ion Ratio Lower Upper
278 100
139 17.7 13.9 20.9
279 23.3 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 20.684 ng

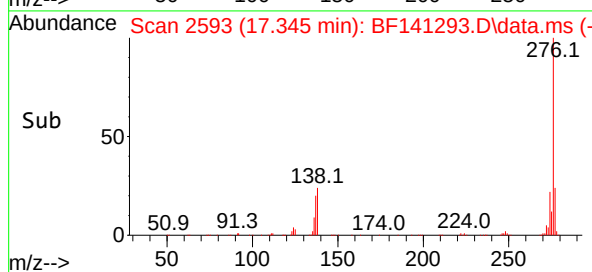
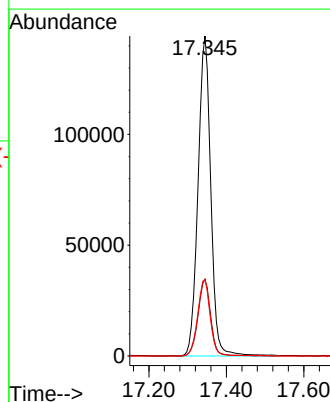
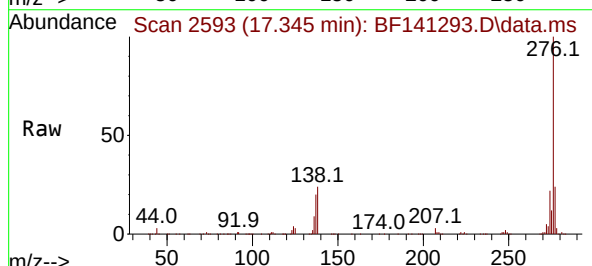
RT: 17.345 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 329876
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 23.9 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

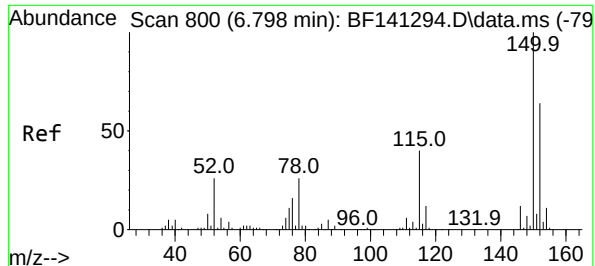
Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

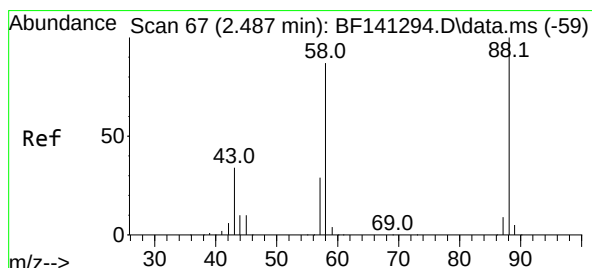
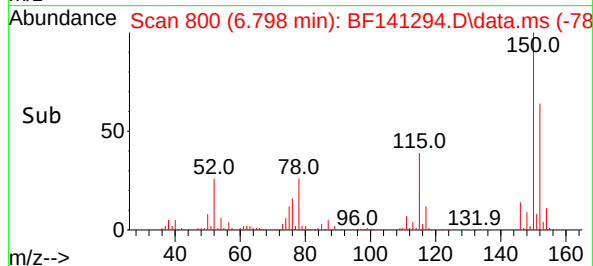
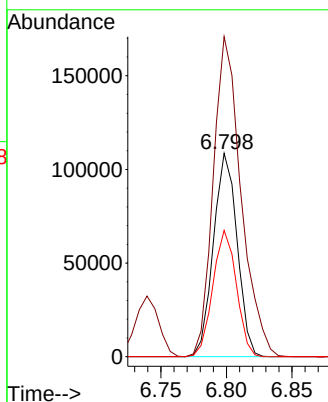
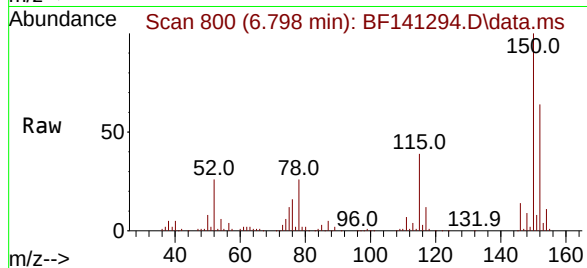
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- 2
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- 12
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- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

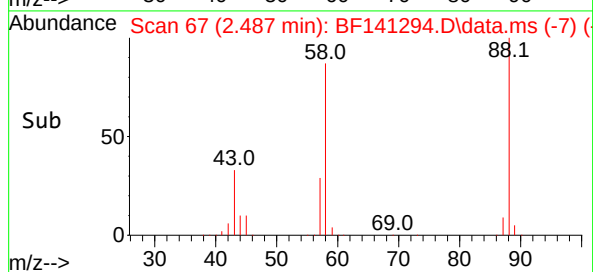
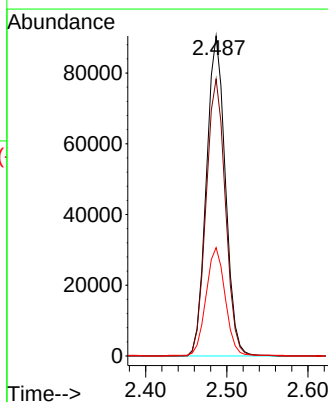
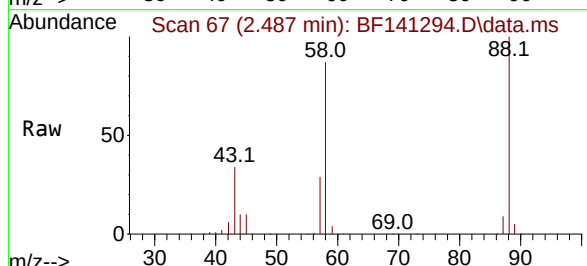
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

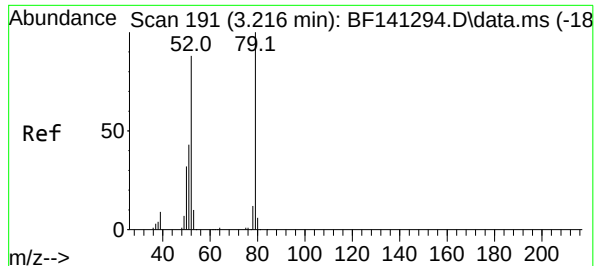
Tgt Ion:152 Resp: 136511
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 62.1 49.7 74.5



#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.5 27.6 41.4





#3

Pyridine

Concen: 38.457 ng

RT: 3.216 min Scan# 191

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

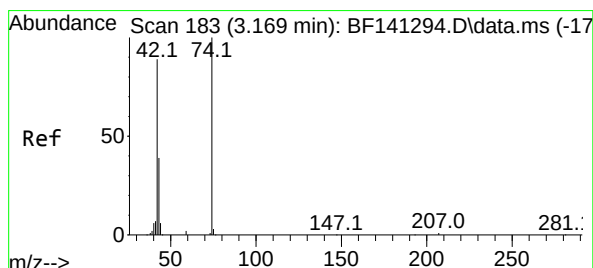
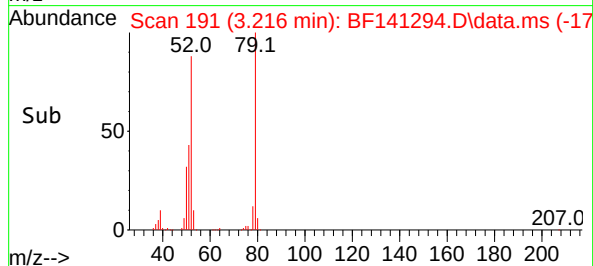
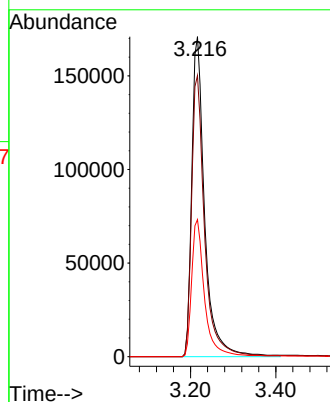
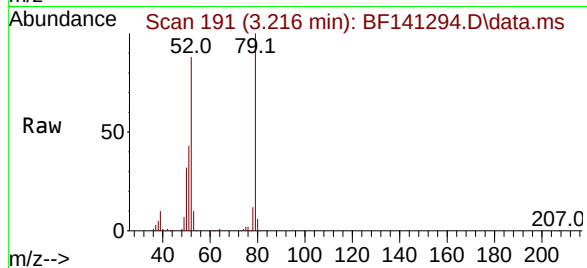
Tgt Ion: 79 Resp: 360381

Ion Ratio Lower Upper

79 100

52 87.9 70.3 105.5

51 42.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 38.203 ng

RT: 3.169 min Scan# 183

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

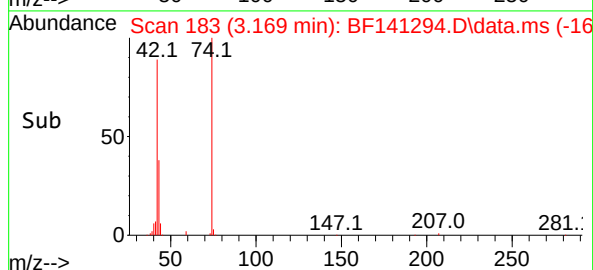
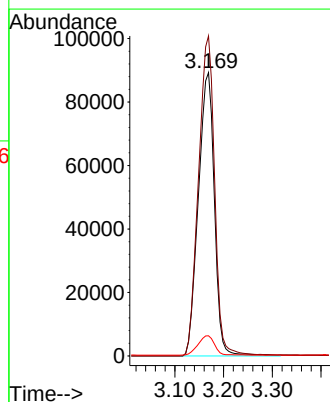
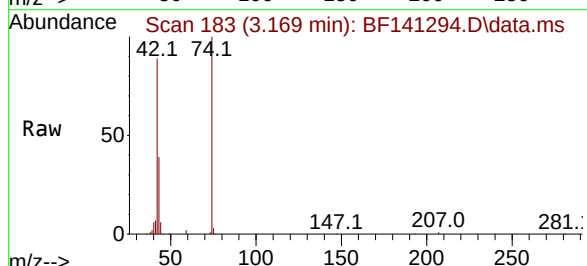
Tgt Ion: 42 Resp: 205026

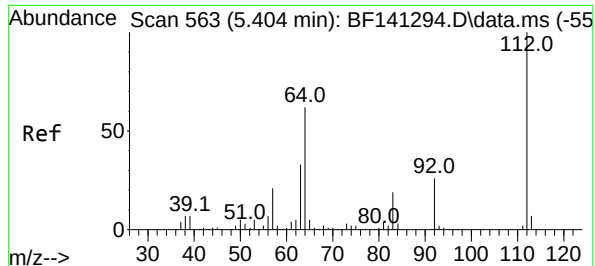
Ion Ratio Lower Upper

42 100

74 112.9 90.3 135.5

44 7.1 5.7 8.5

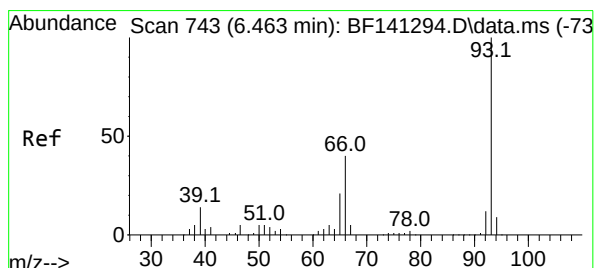
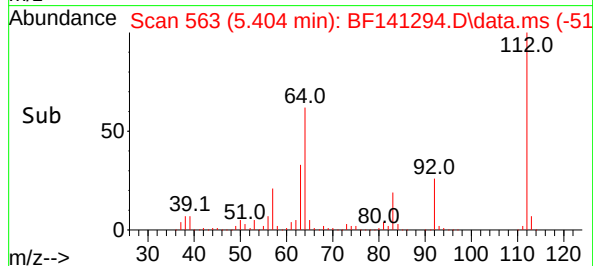
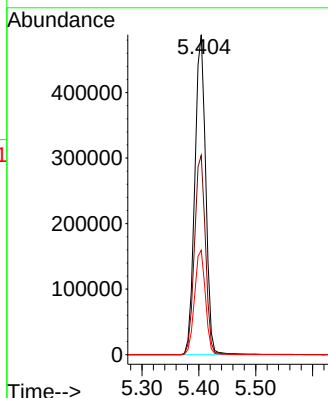
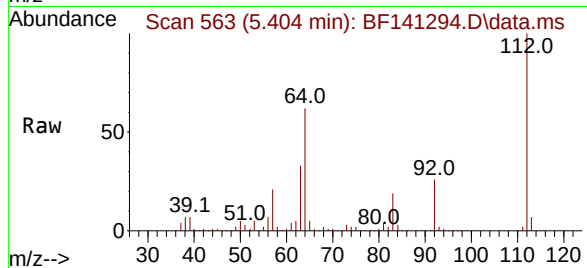




#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

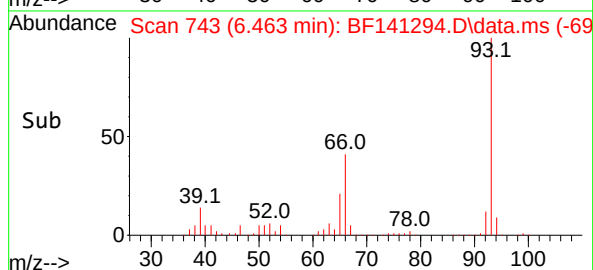
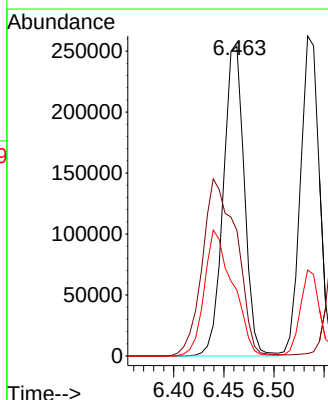
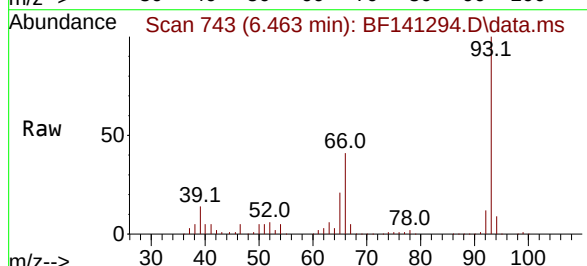
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

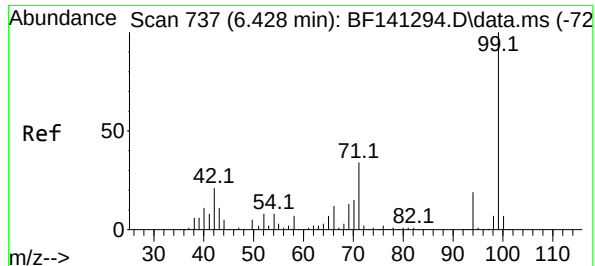
Tgt Ion:112 Resp: 655671
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.6 26.1 39.1



#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145
Ion Ratio Lower Upper
93 100
66 40.6 32.5 48.7
65 21.3 17.0 25.6

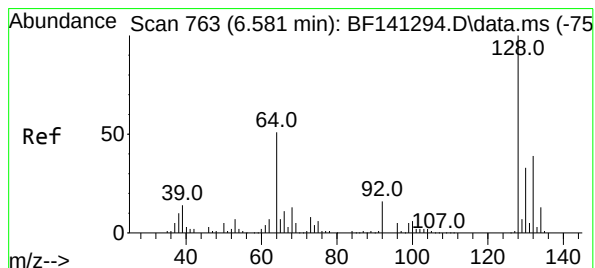
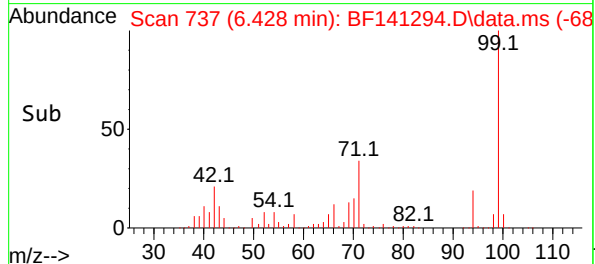
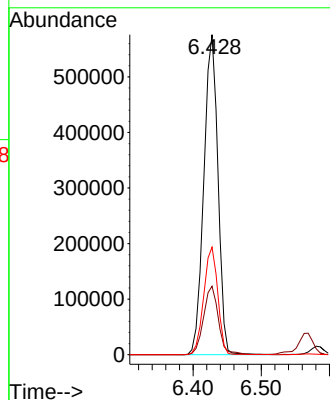
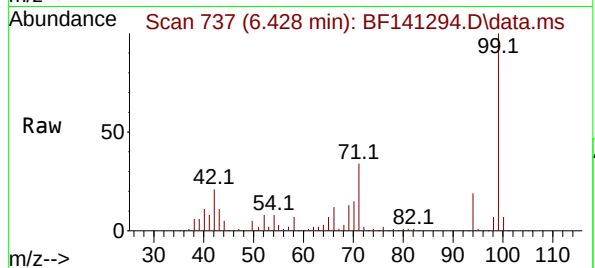




#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

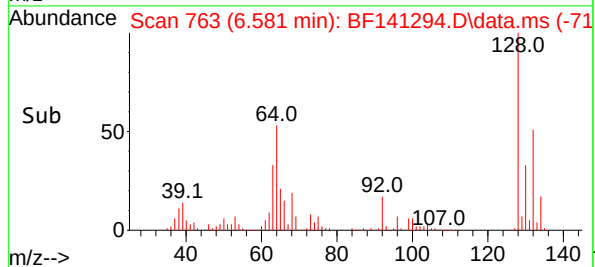
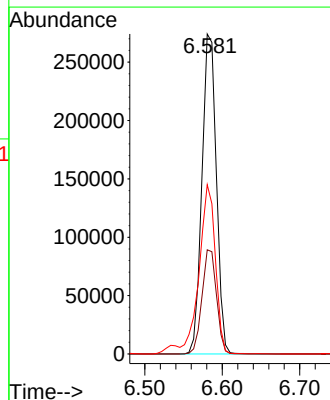
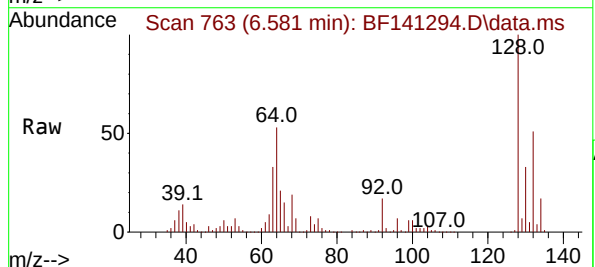
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

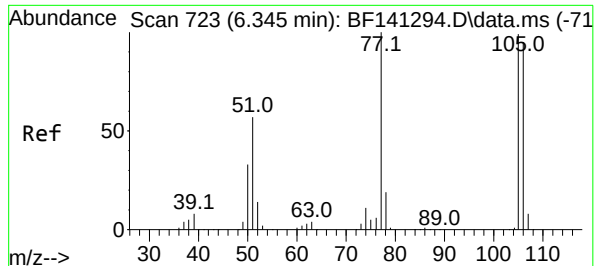
Tgt Ion: 99 Resp: 829746
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.6 26.9 40.3



#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 128 Resp: 354141
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 52.9 32.9 72.9





#9

Benzaldehyde

Concen: 37.402 ng

RT: 6.345 min Scan# 723

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

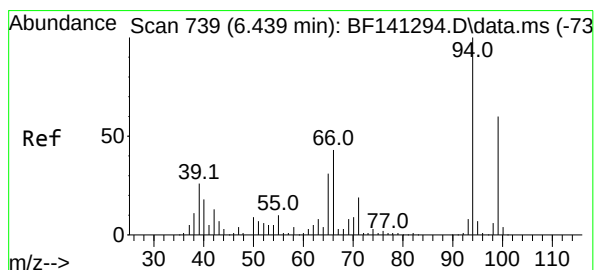
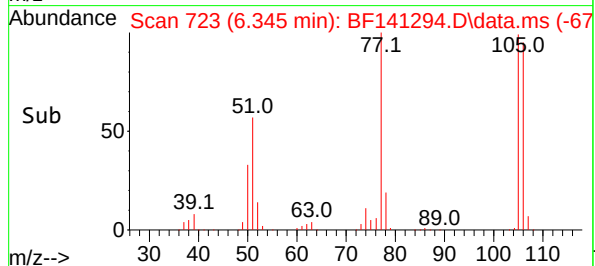
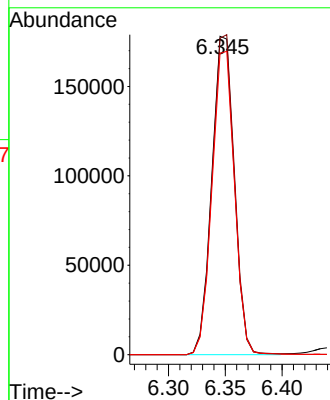
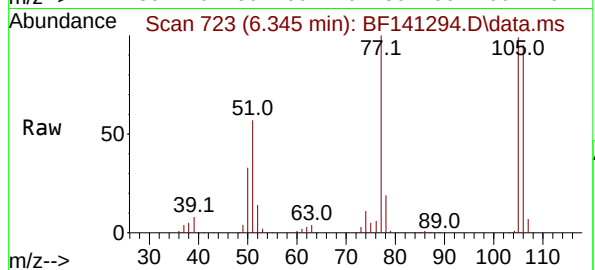
Tgt Ion: 77 Resp: 244365

Ion Ratio Lower Upper

77 100

105 99.4 79.4 119.4

106 94.6 74.6 114.6



#10

Phenol

Concen: 37.678 ng

RT: 6.439 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

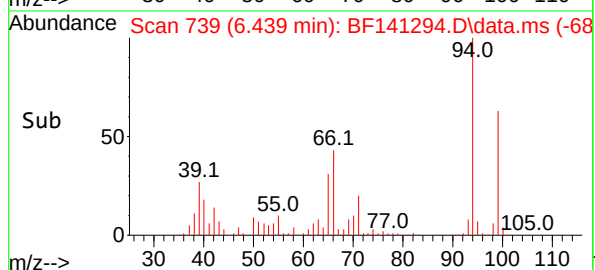
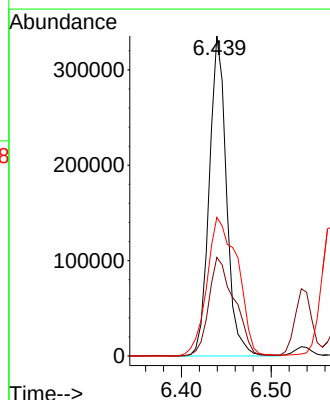
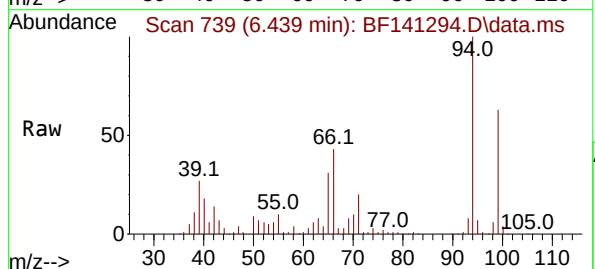
Tgt Ion: 94 Resp: 448441

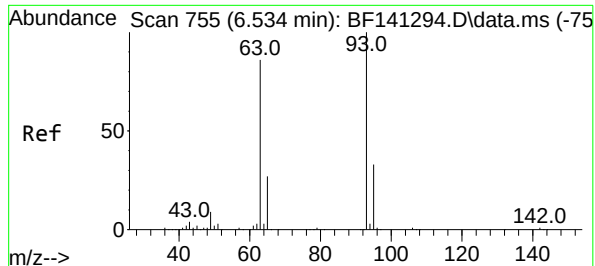
Ion Ratio Lower Upper

94 100

65 30.8 10.8 50.8

66 43.3 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 36.754 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

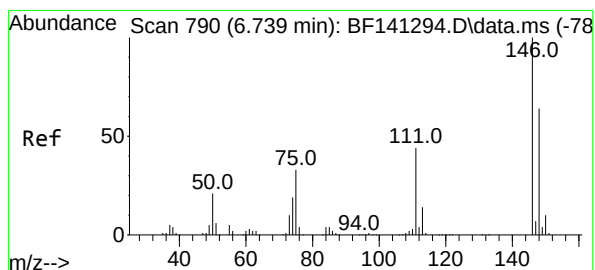
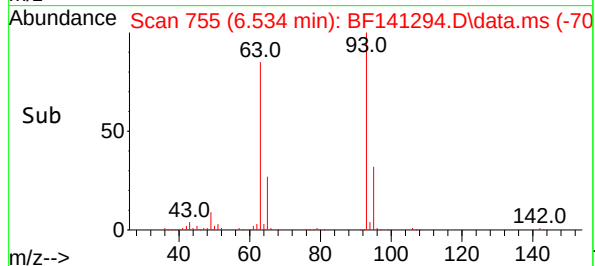
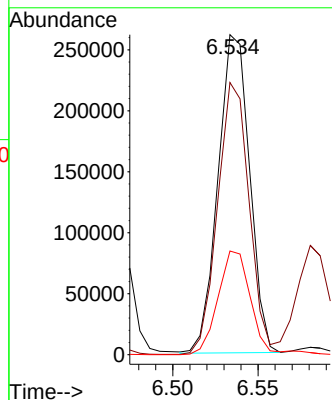
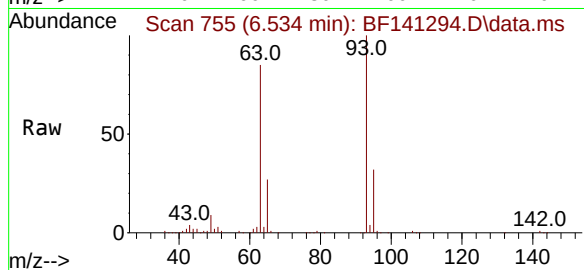
Tgt Ion: 93 Resp: 336429

Ion Ratio Lower Upper

93 100

63 85.0 65.0 105.0

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.328 ng

RT: 6.739 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

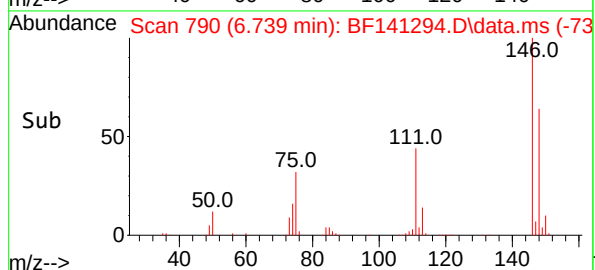
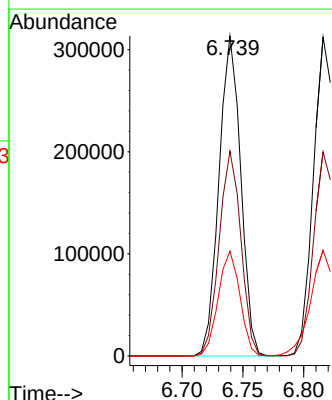
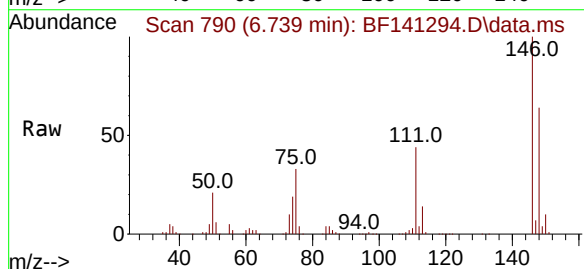
Tgt Ion: 146 Resp: 390276

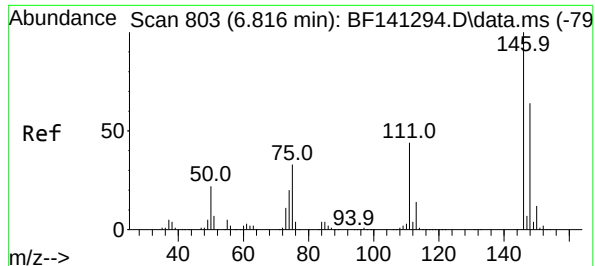
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.119 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

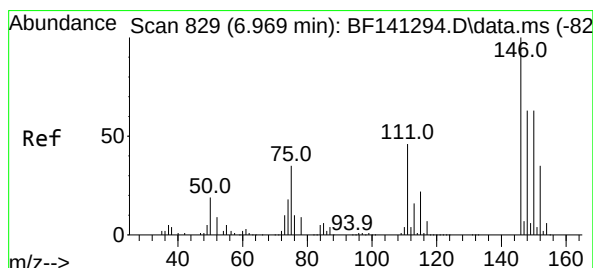
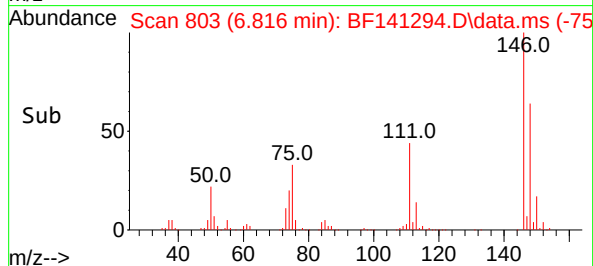
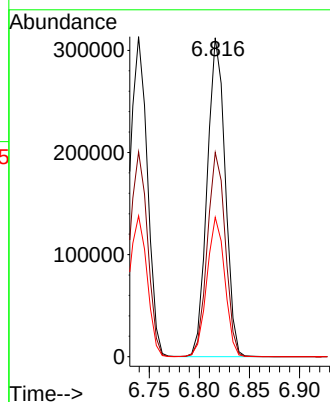
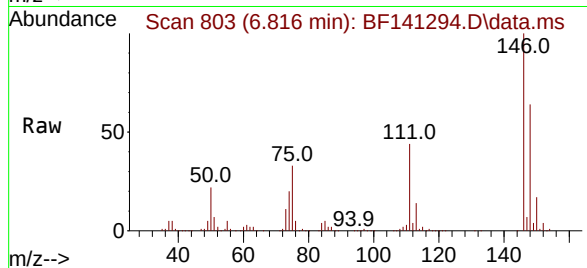
Tgt Ion:146 Resp: 390834

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.114 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

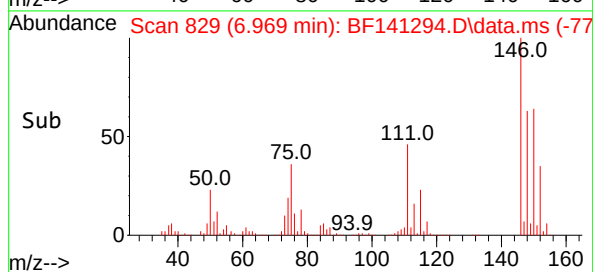
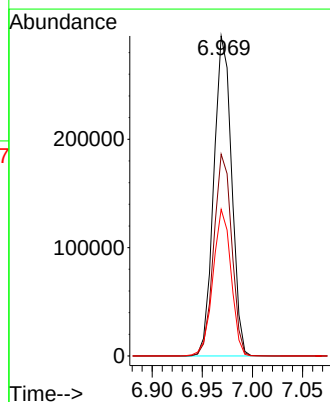
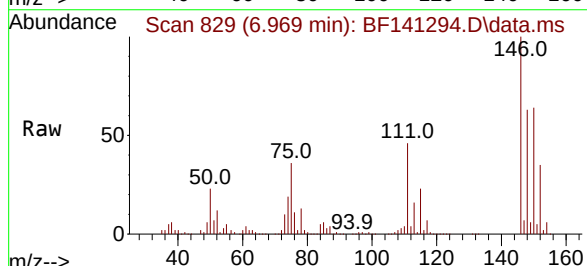
Tgt Ion:146 Resp: 365173

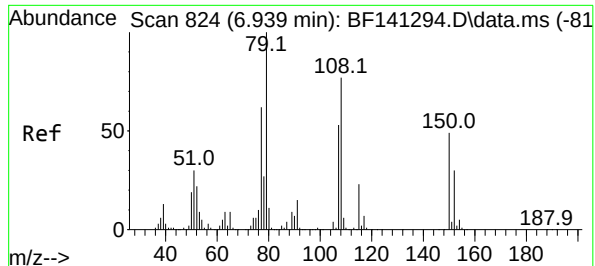
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.8 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.445 ng

RT: 6.939 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

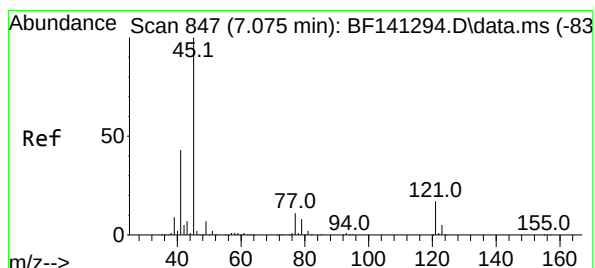
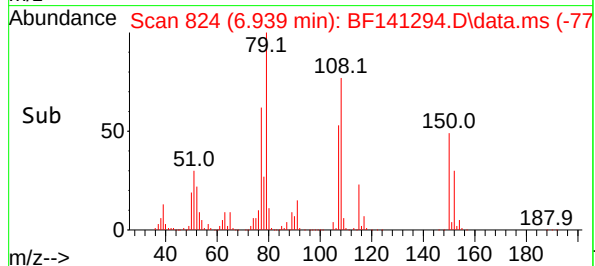
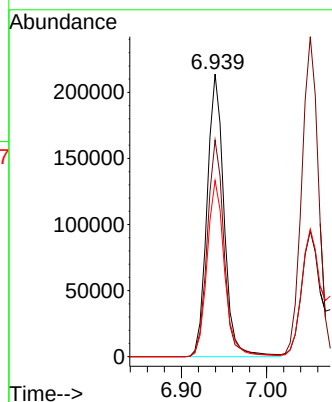
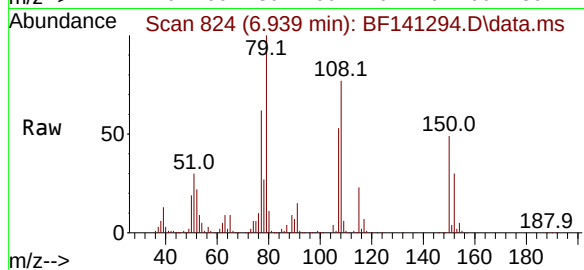
Tgt Ion: 79 Resp: 295478

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.578 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

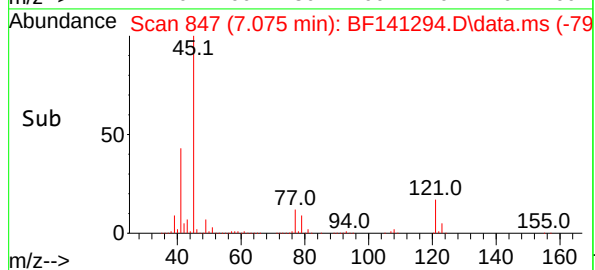
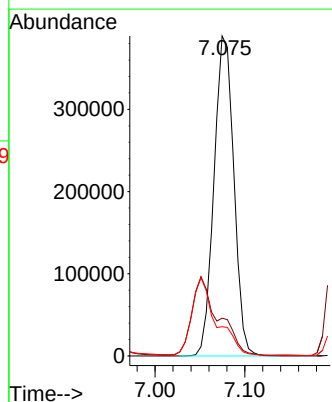
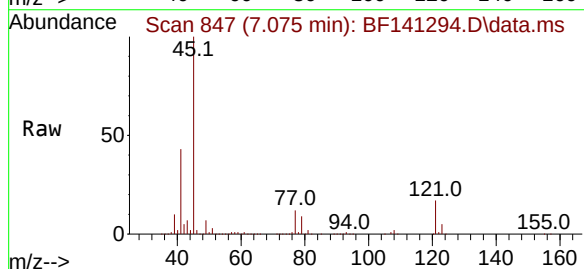
Tgt Ion: 45 Resp: 597590

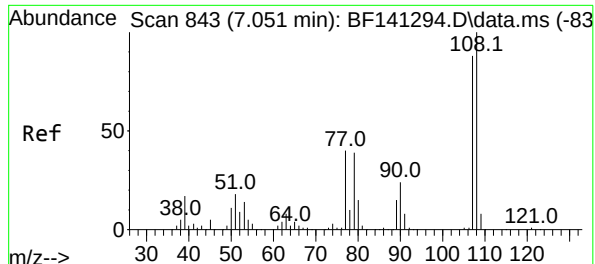
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.1 0.0 29.1

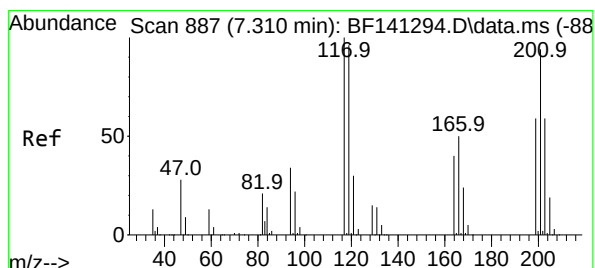
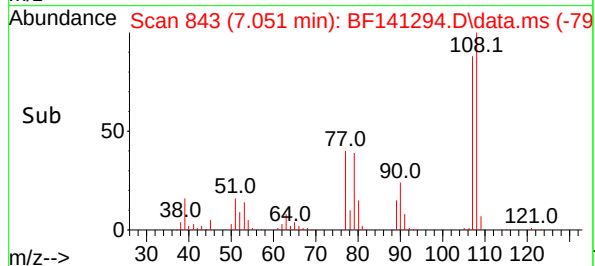
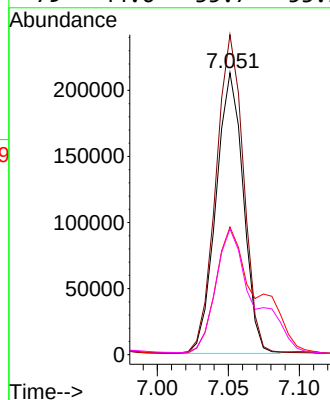
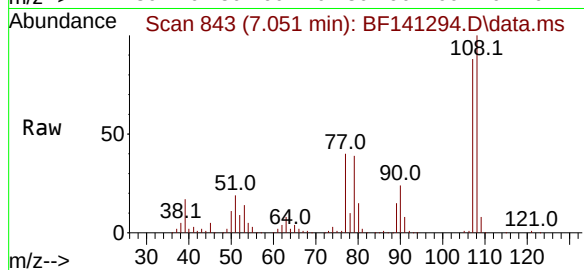




#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

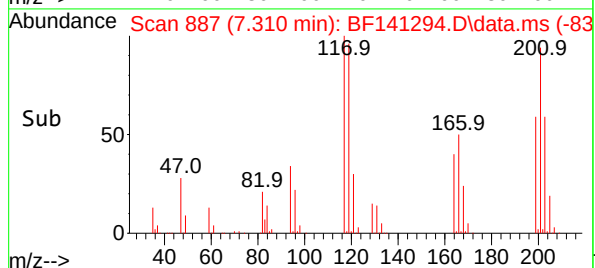
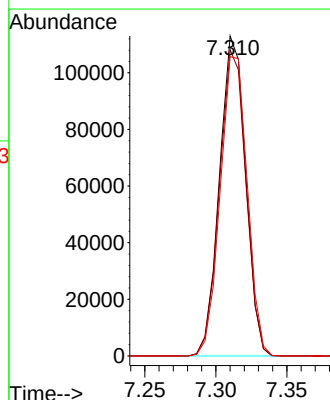
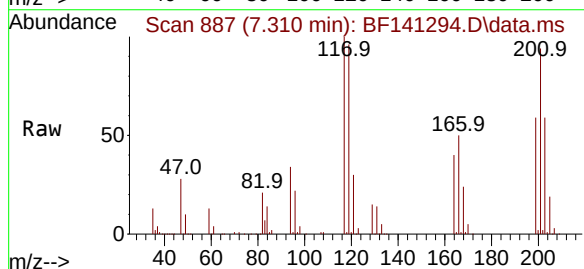
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

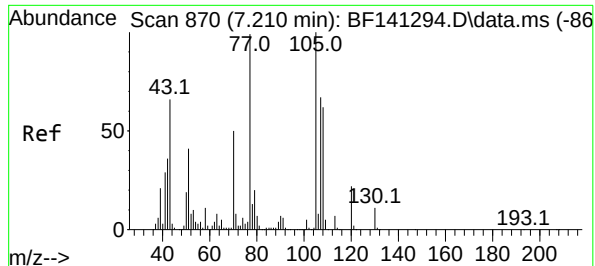
Tgt Ion:	107	Resp:	284578
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.3	36.2	54.4
79	44.6	35.7	53.5



#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	117	Resp:	144619
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	93.5	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.524 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 244379

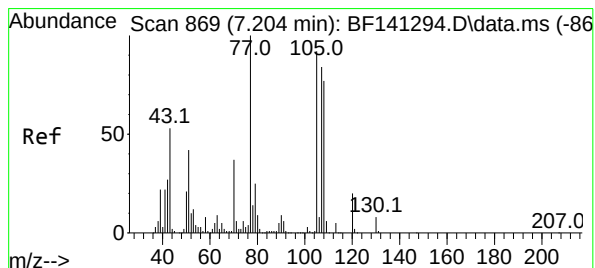
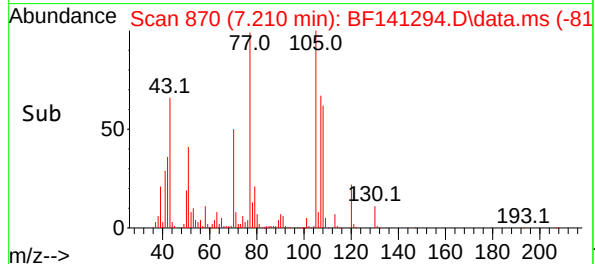
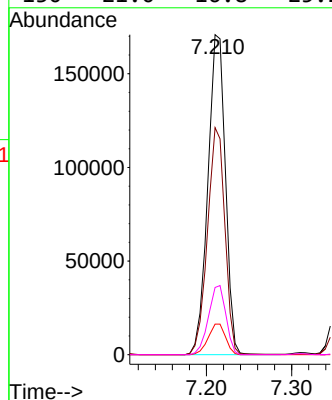
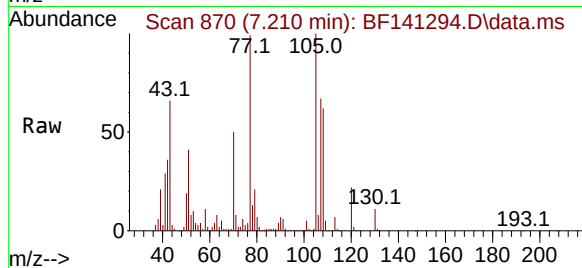
Ion Ratio Lower Upper

70 100

42 71.0 56.8 85.2

101 9.6 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.222 ng

RT: 7.204 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 107 Resp: 351248

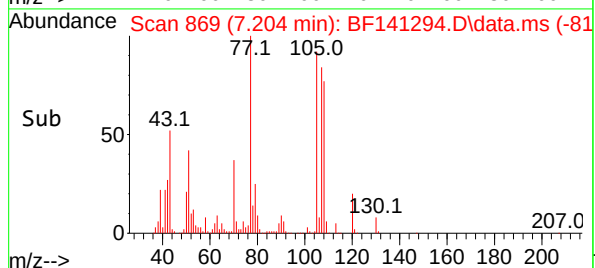
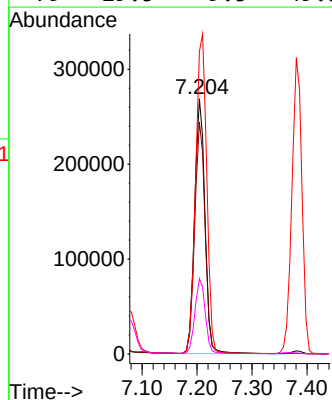
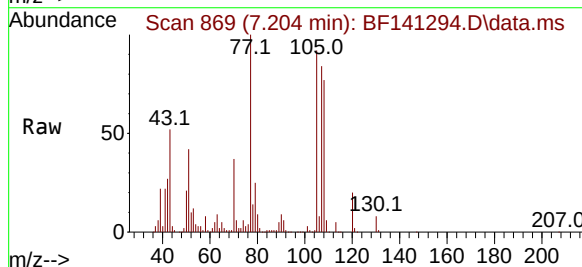
Ion Ratio Lower Upper

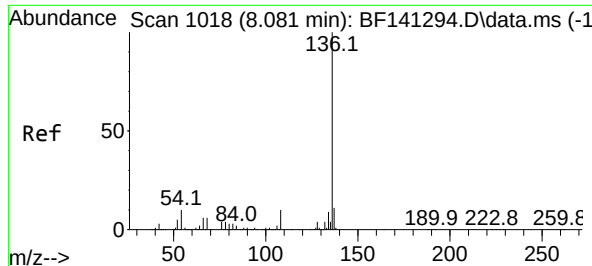
107 100

108 90.9 70.9 110.9

77 118.5 98.5 138.5

79 29.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 533326

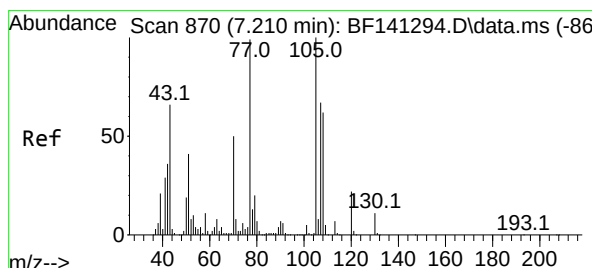
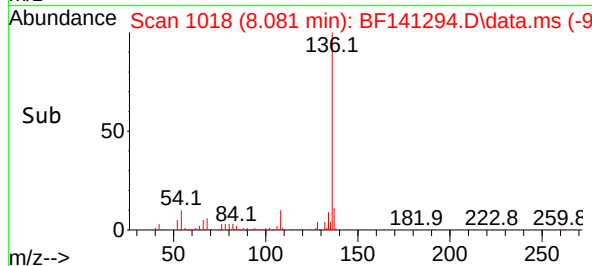
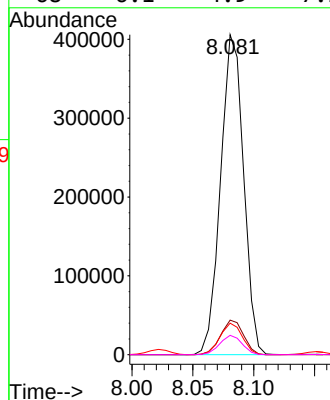
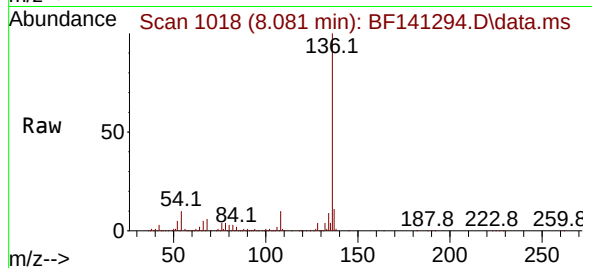
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.8 7.8 11.8

68 6.1 4.9 7.3



#22

Acetophenone

Concen: 36.793 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

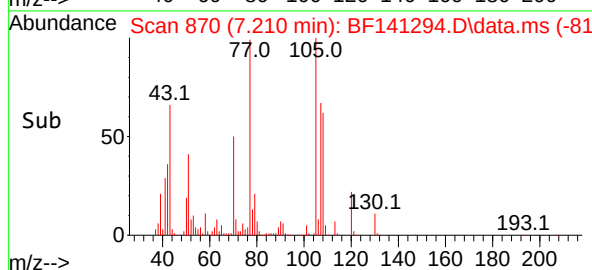
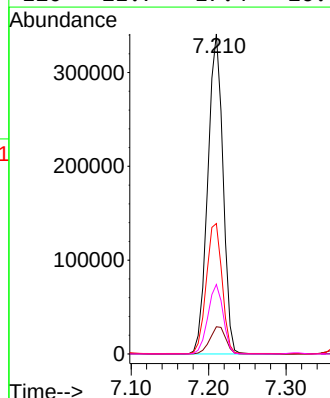
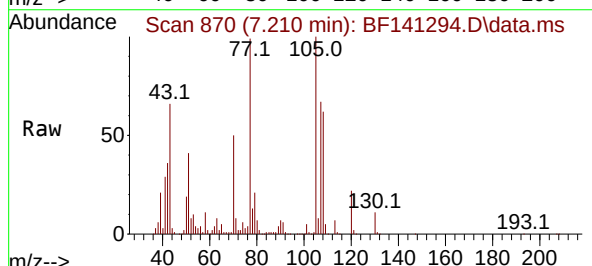
Ion Ratio Lower Upper

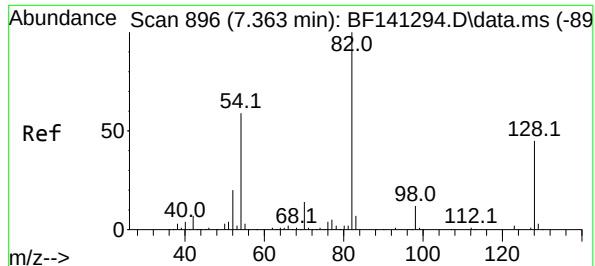
105 100

71 8.5 6.8 10.2

51 40.8 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 74.958 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

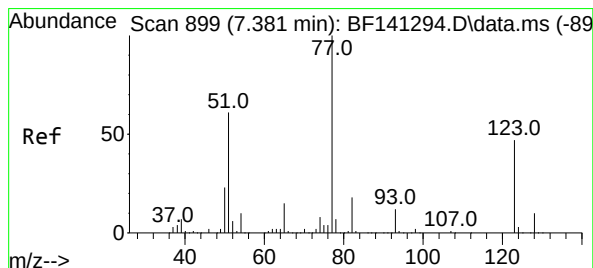
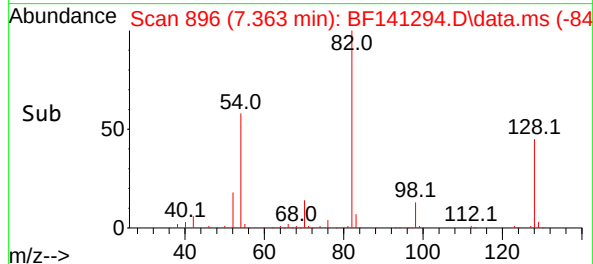
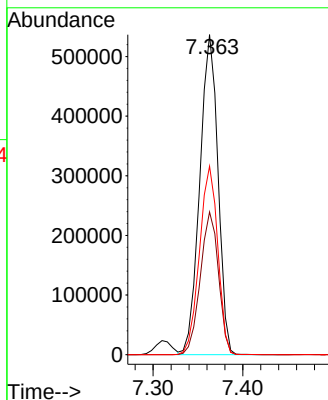
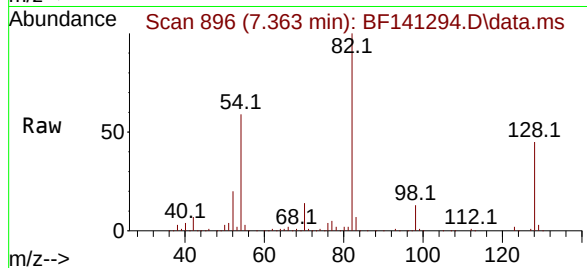
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 755539

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.9	47.1	70.7



#24

Nitrobenzene

Concen: 37.893 ng

RT: 7.381 min Scan# 899

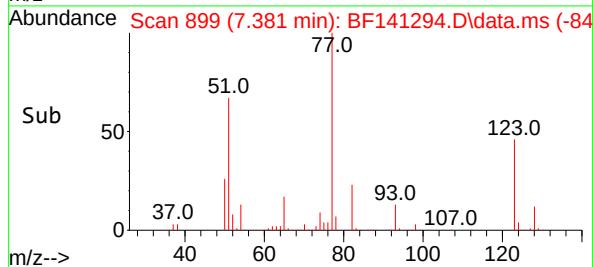
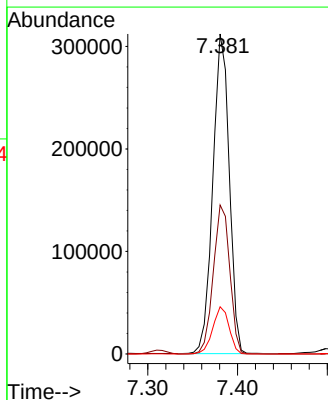
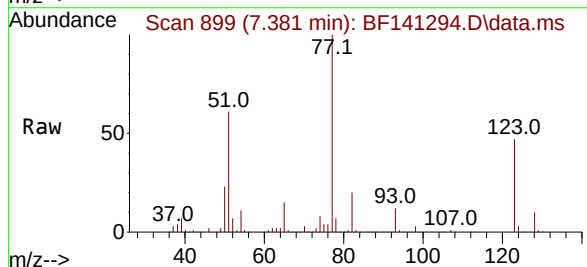
Delta R.T. 0.000 min

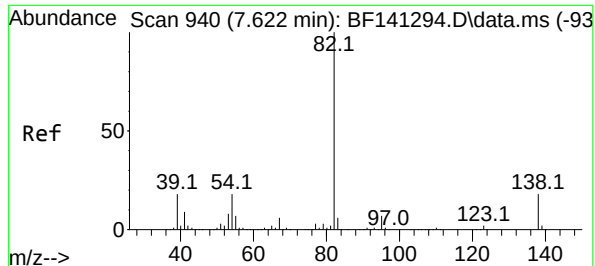
Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 77 Resp: 396149

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.7	11.8	17.6





#25

Isophorone

Concen: 37.429 ng

RT: 7.622 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

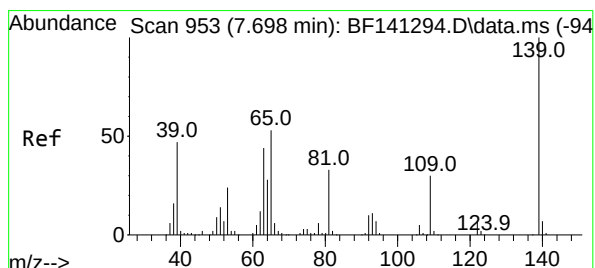
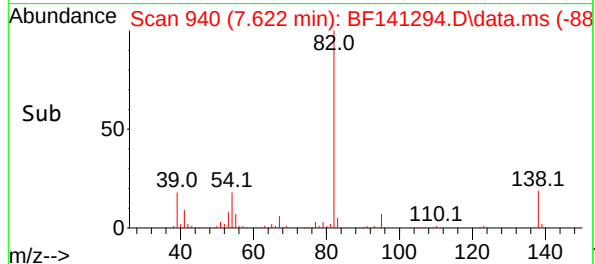
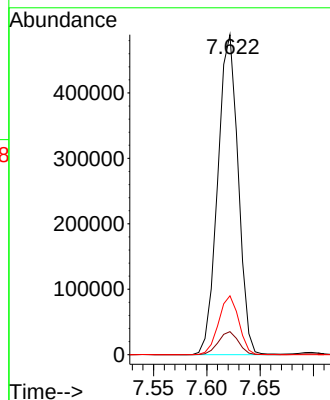
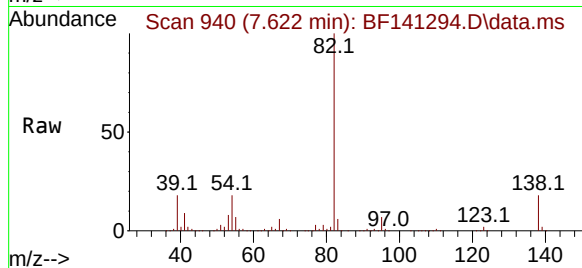
Tgt Ion: 82 Resp: 651994

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.6

138 18.4 14.7 22.1



#26

2-Nitrophenol

Concen: 38.483 ng

RT: 7.698 min Scan# 953

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

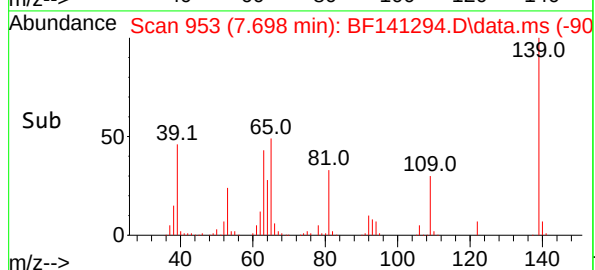
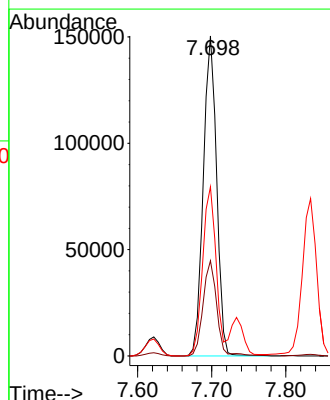
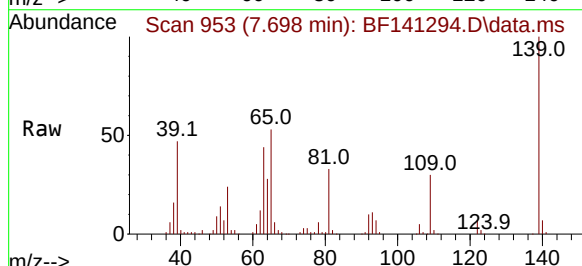
Tgt Ion: 139 Resp: 188435

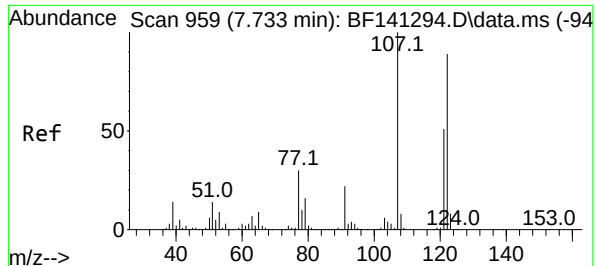
Ion Ratio Lower Upper

139 100

109 29.7 23.8 35.6

65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.255 ng

RT: 7.733 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

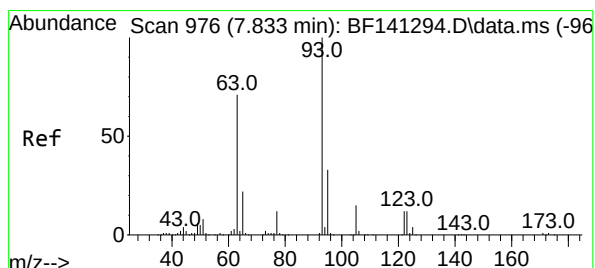
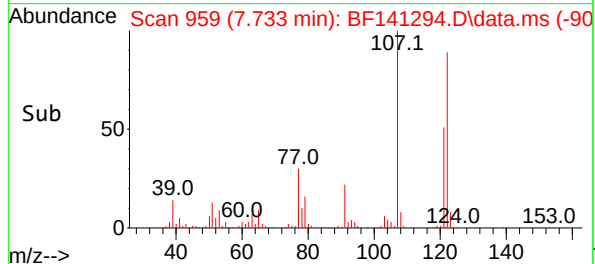
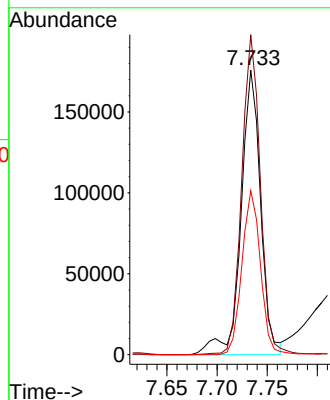
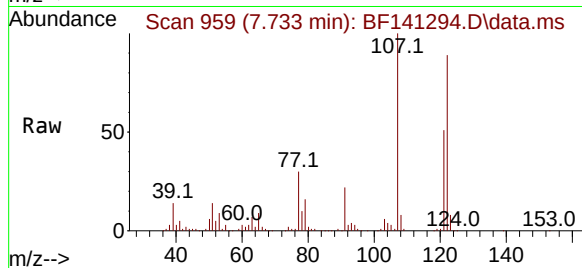
Tgt Ion:122 Resp: 239376

Ion Ratio Lower Upper

122 100

107 112.4 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 37.367 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

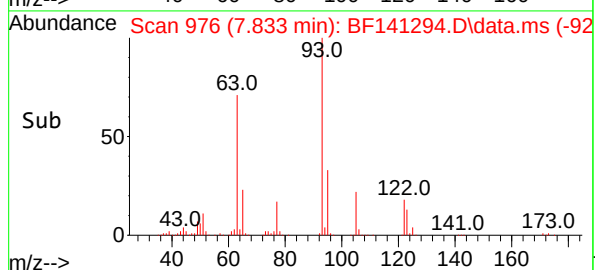
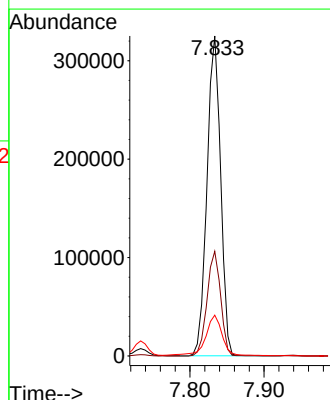
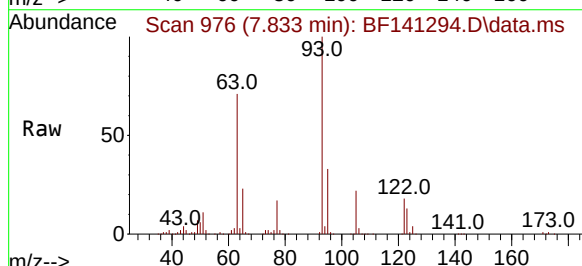
Tgt Ion: 93 Resp: 414781

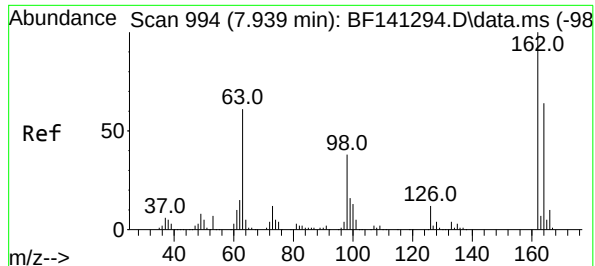
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.768 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

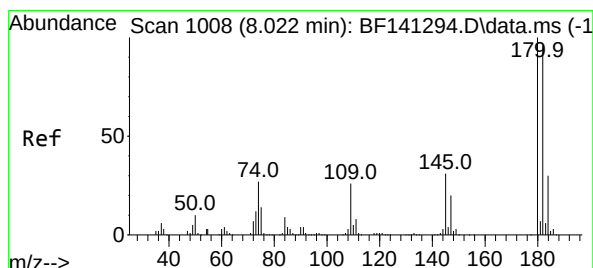
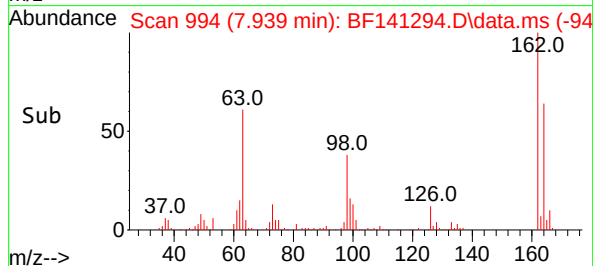
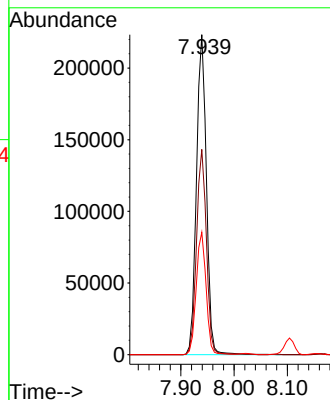
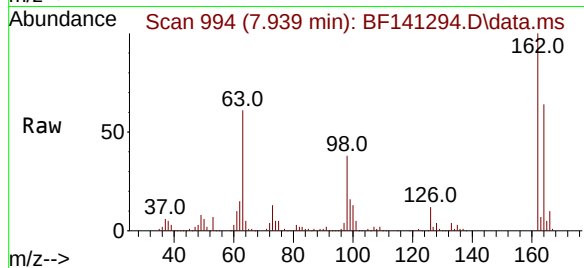
Tgt Ion:162 Resp: 288763

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.932 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

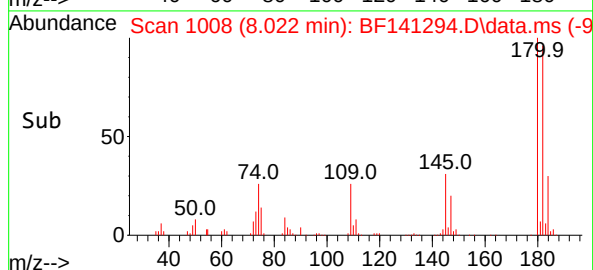
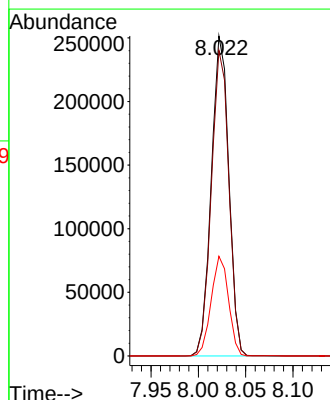
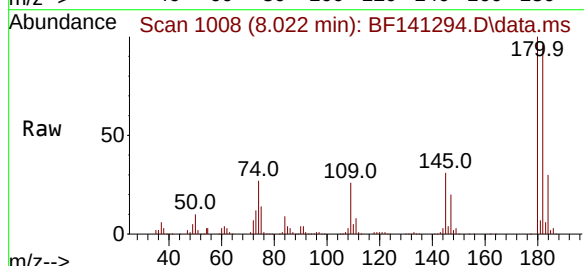
Tgt Ion:180 Resp: 323865

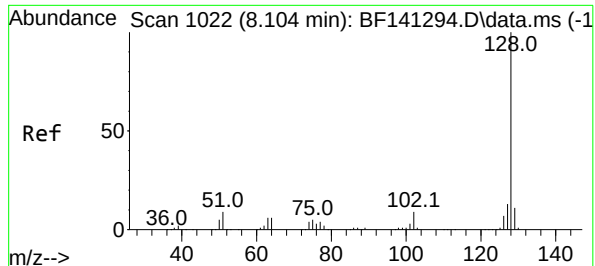
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 37.116 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

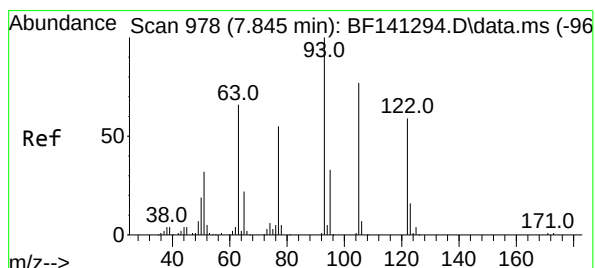
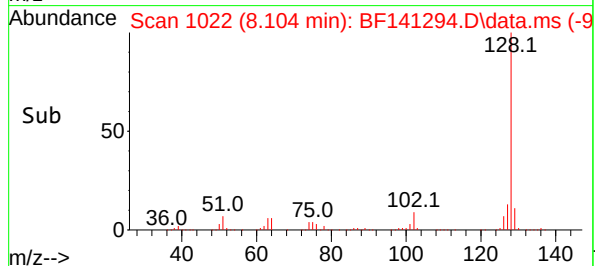
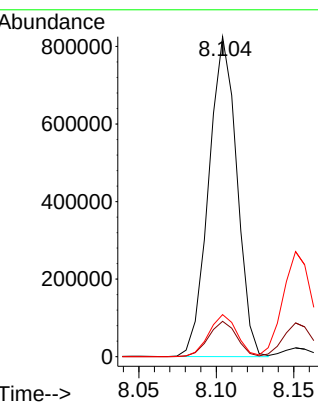
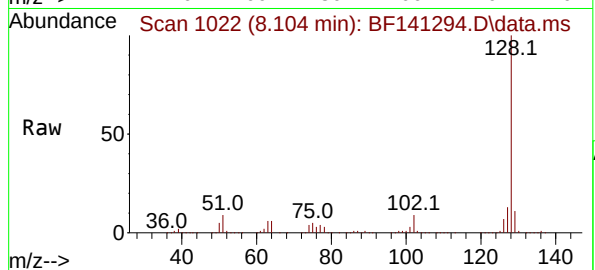
Tgt Ion:128 Resp: 1041107

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.459 ng

RT: 7.845 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

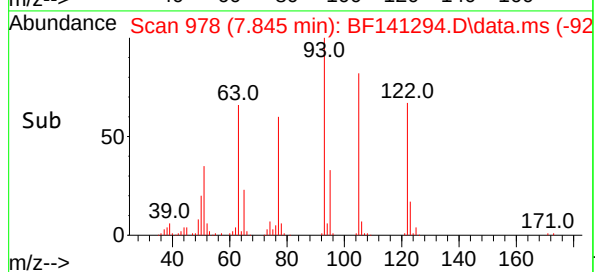
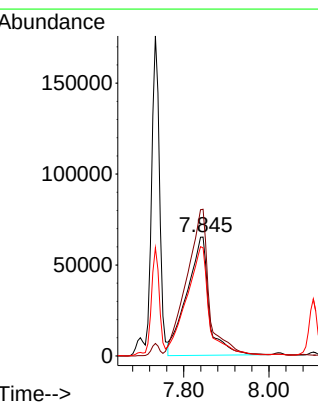
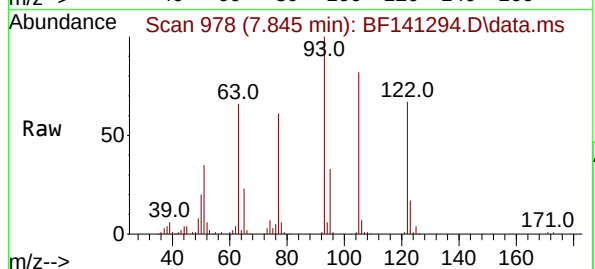
Tgt Ion:122 Resp: 235596

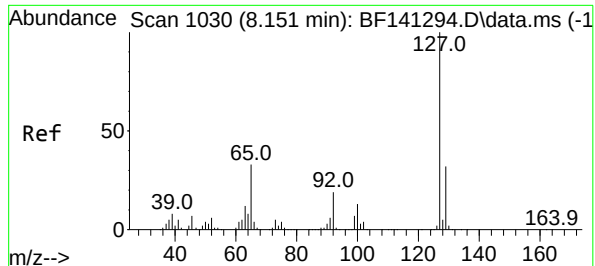
Ion Ratio Lower Upper

122 100

105 123.4 103.4 143.4

77 90.9 70.9 110.9





#33

4-Chloroaniline

Concen: 38.313 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 361001

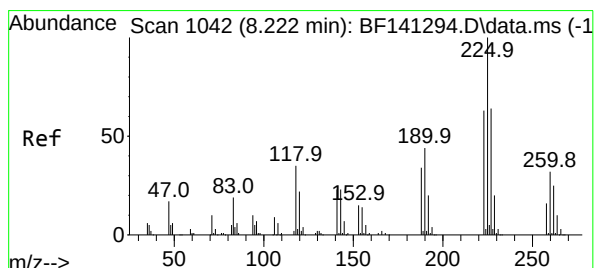
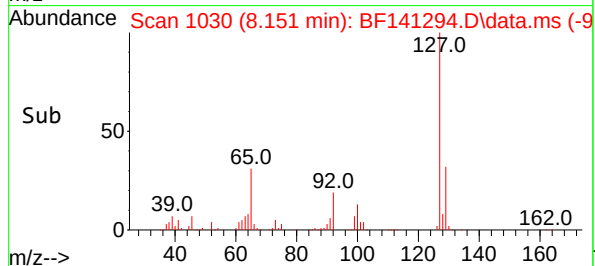
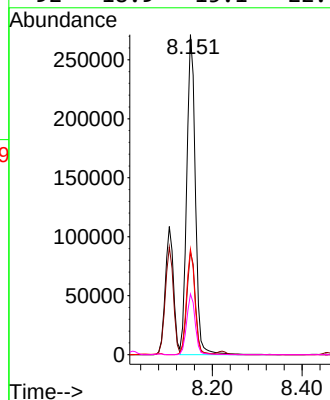
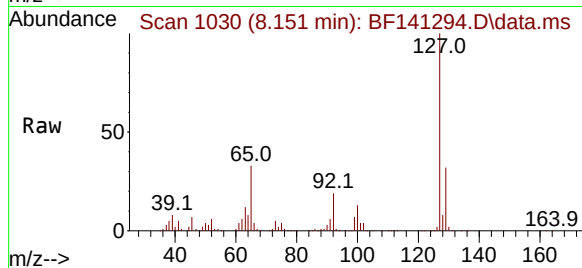
Ion Ratio Lower Upper

127 100

129 32.1 25.7 38.5

65 33.0 26.4 39.6

92 18.9 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.169 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

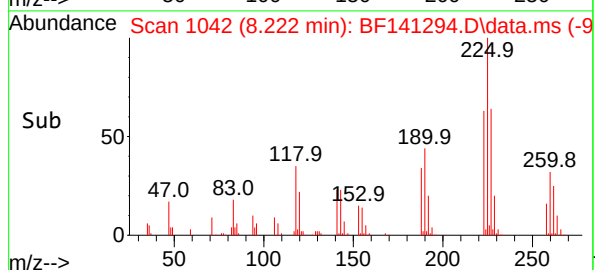
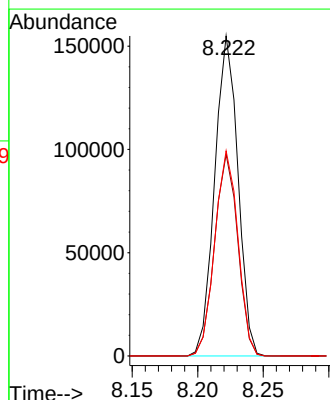
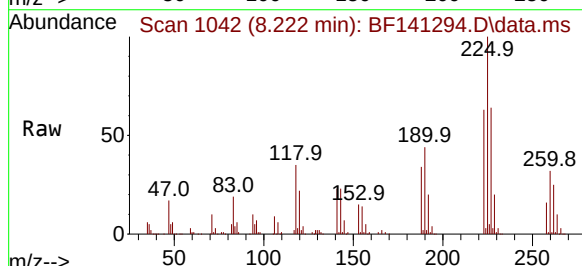
Tgt Ion:225 Resp: 190772

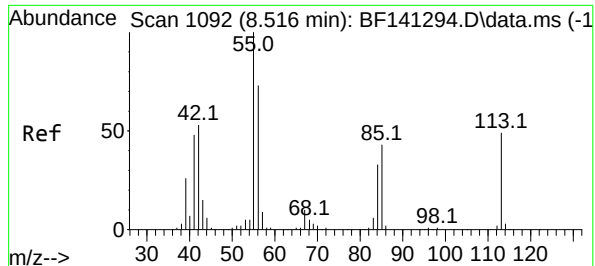
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

227 64.1 51.3 76.9





#35

Caprolactam

Concen: 38.342 ng

RT: 8.516 min Scan# 1092

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

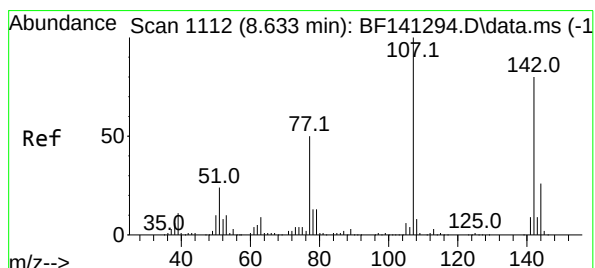
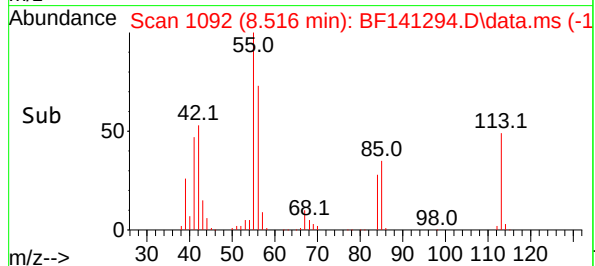
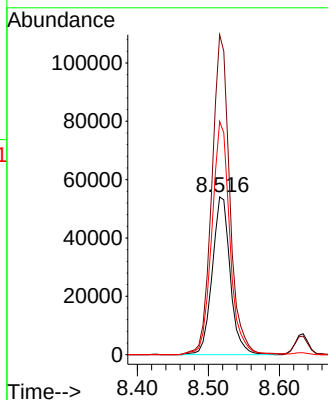
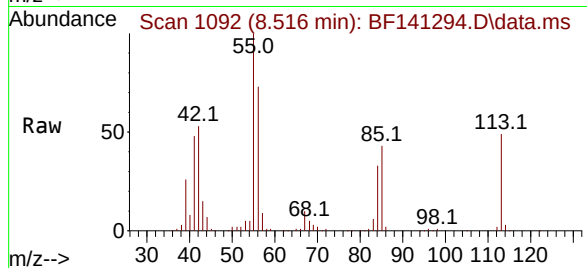
Tgt Ion:113 Resp: 94819

Ion Ratio Lower Upper

113 100

55 202.9 182.9 222.9

56 147.9 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 37.262 ng

RT: 8.633 min Scan# 1112

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

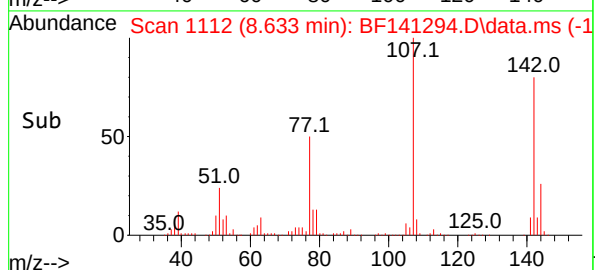
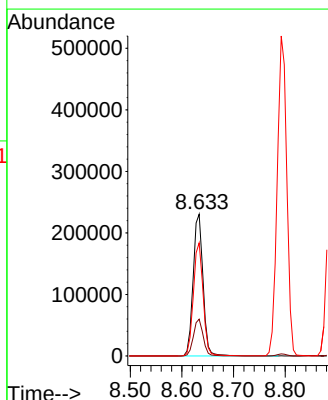
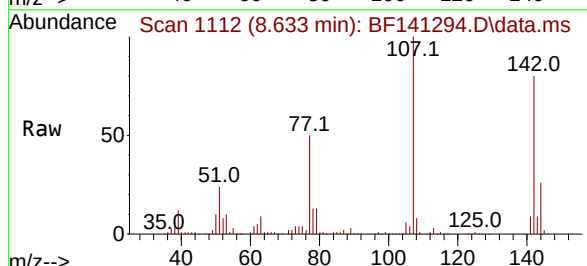
Tgt Ion:107 Resp: 305768

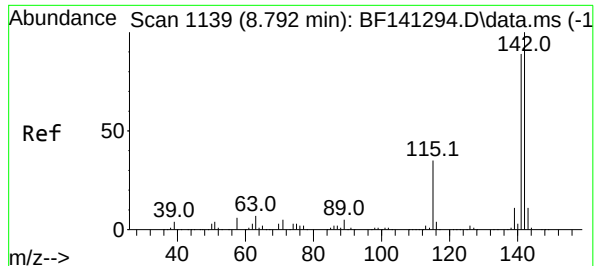
Ion Ratio Lower Upper

107 100

144 25.9 20.7 31.1

142 79.8 63.8 95.8





#37

2-Methylnaphthalene

Concen: 37.286 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

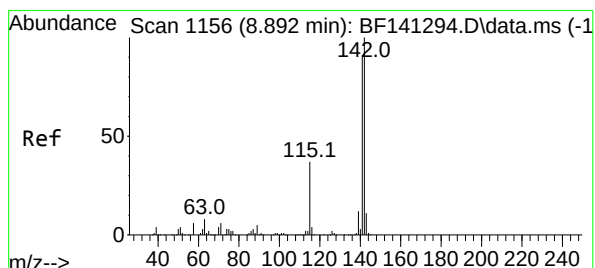
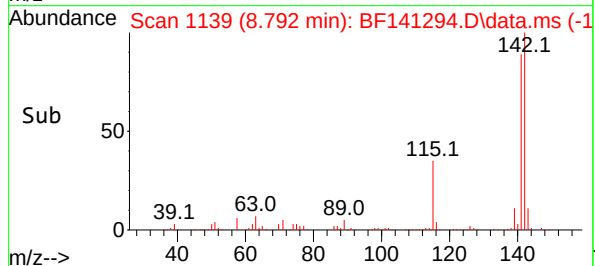
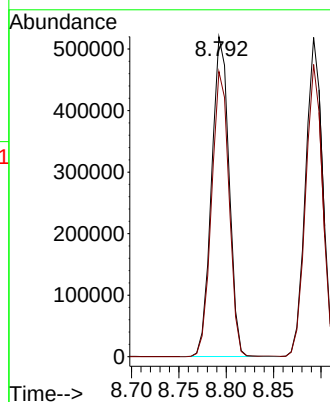
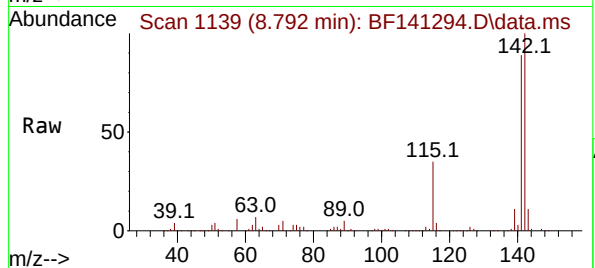
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.938 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141294.D

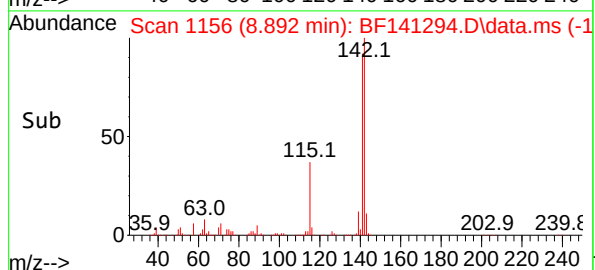
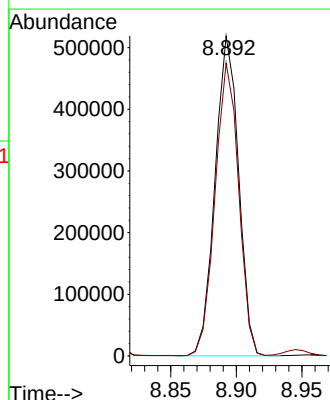
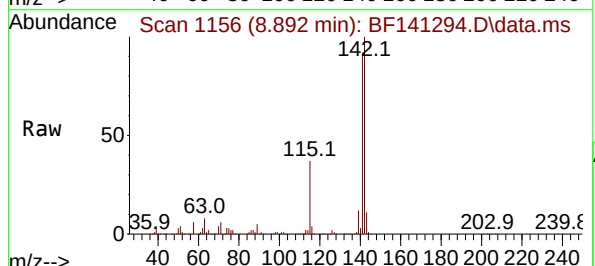
Acq: 29 Jan 2025 15:45

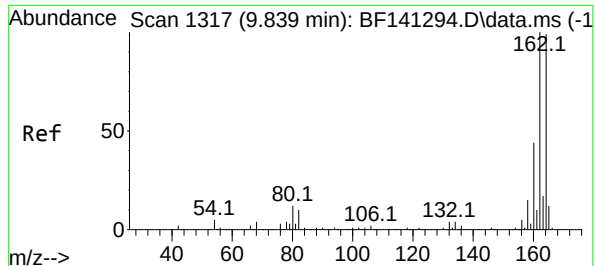
Tgt Ion:142 Resp: 646346

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

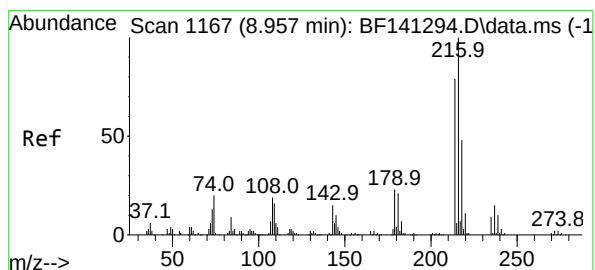
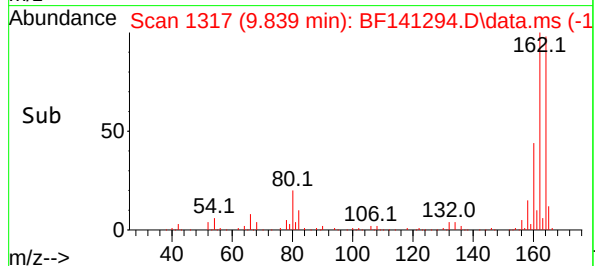
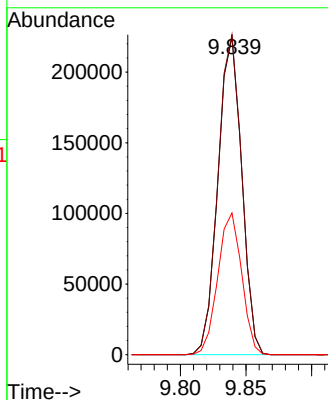
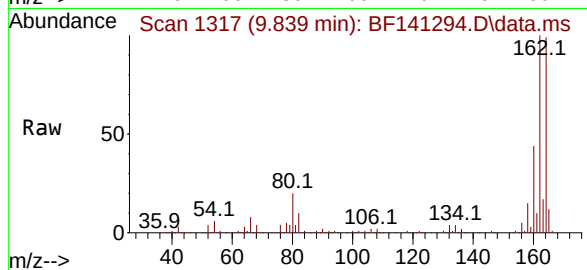
Tgt Ion:164 Resp: 282995

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.591 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

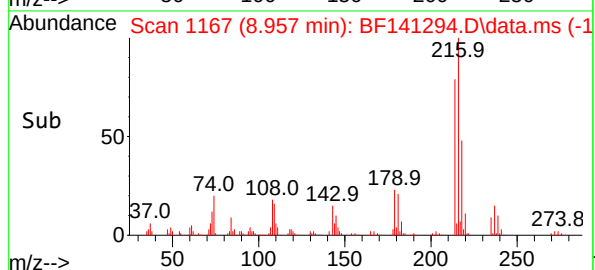
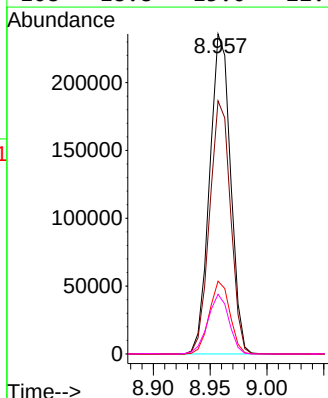
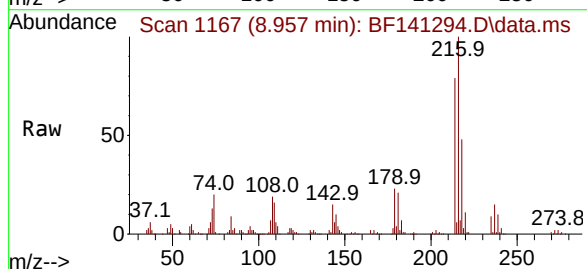
Ion Ratio Lower Upper

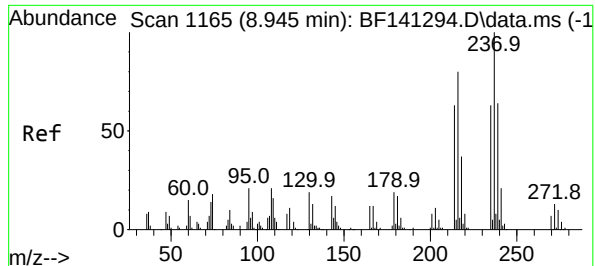
216 100

214 79.0 63.2 94.8

179 22.3 17.8 26.8

108 18.8 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 40.295 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

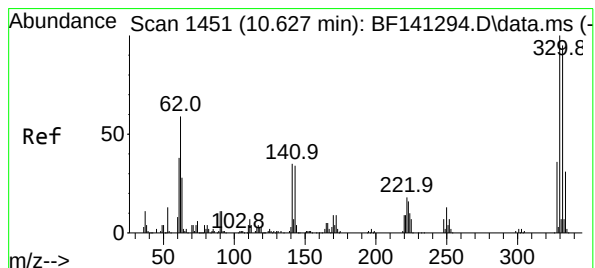
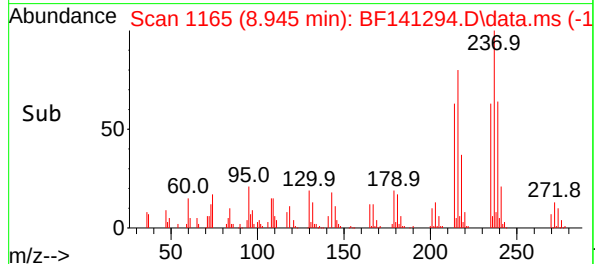
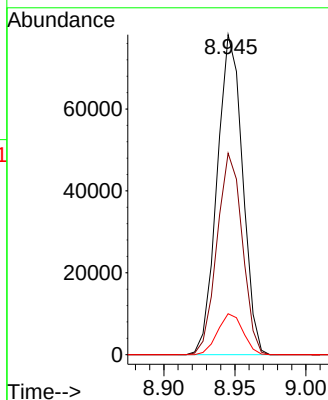
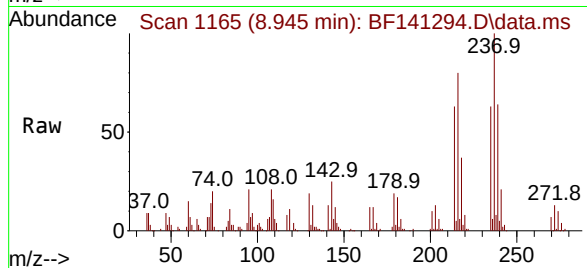
Tgt Ion:237 Resp: 97299

Ion Ratio Lower Upper

237 100

235 62.9 42.9 82.9

272 12.8 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 75.888 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

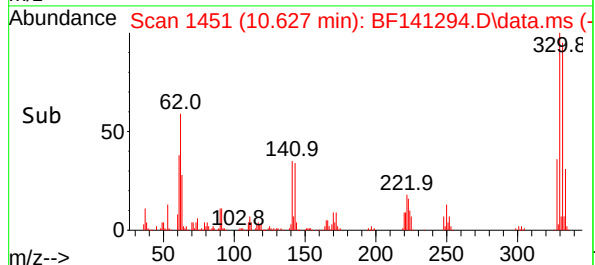
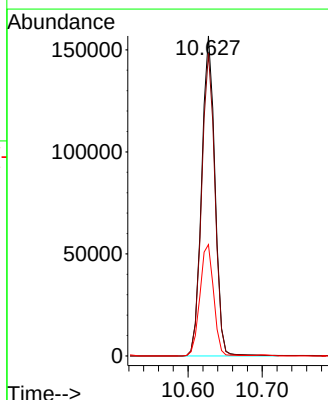
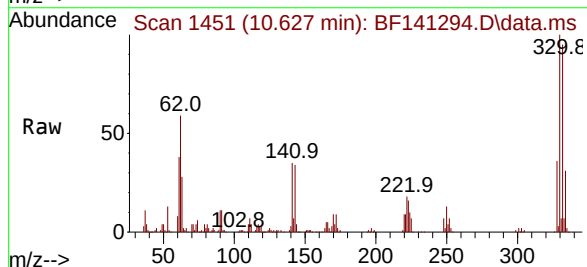
Tgt Ion:330 Resp: 195693

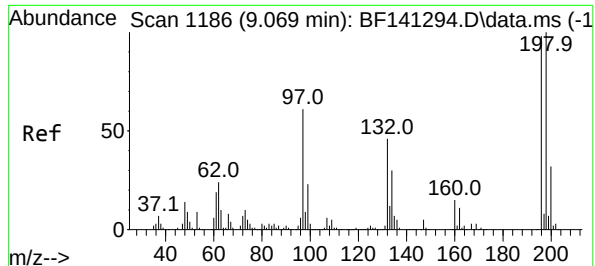
Ion Ratio Lower Upper

330 100

332 95.1 76.1 114.1

141 36.0 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 39.181 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

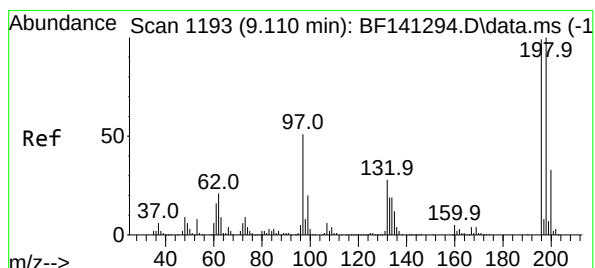
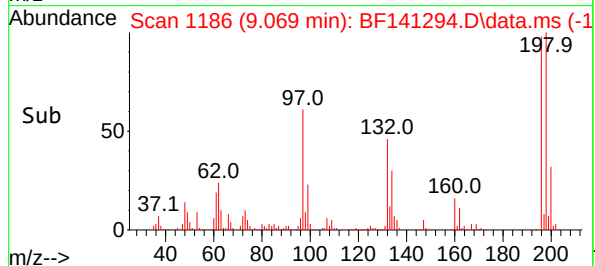
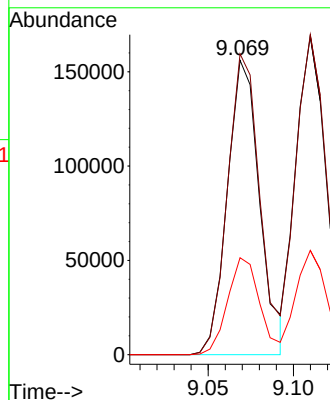
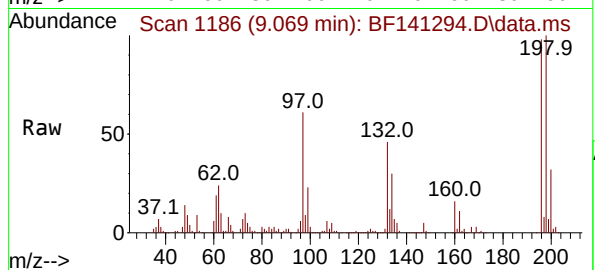
Tgt Ion:196 Resp: 205797

Ion Ratio Lower Upper

196 100

198 102.2 81.8 122.6

200 32.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.346 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

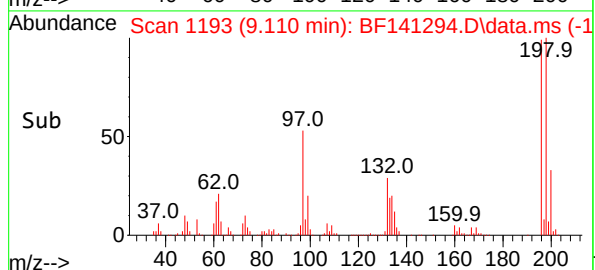
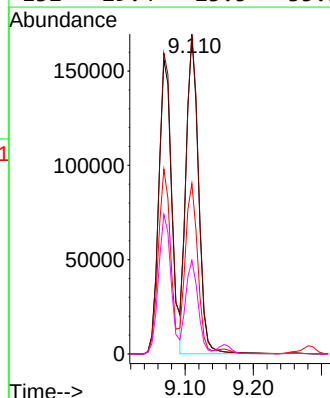
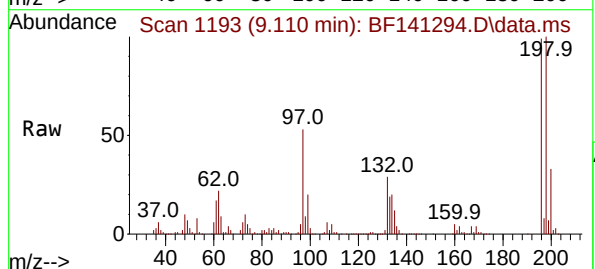
Ion Ratio Lower Upper

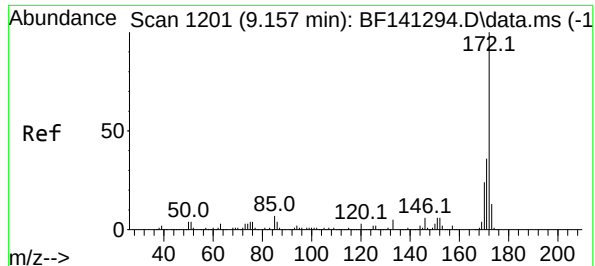
196 100

198 100.6 80.5 120.7

97 53.5 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 73.029 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

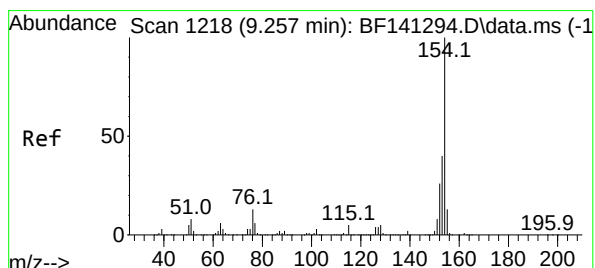
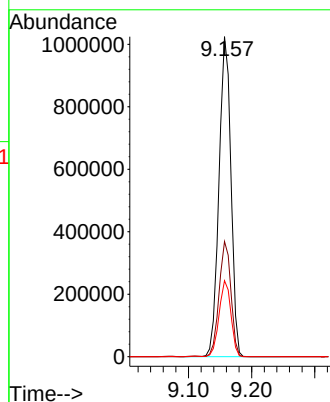
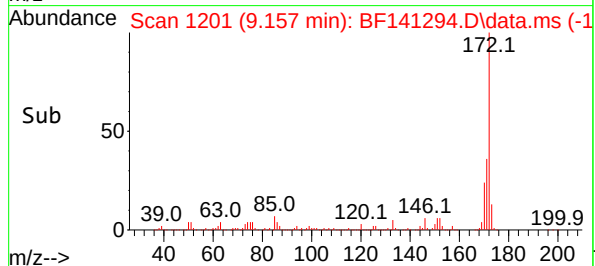
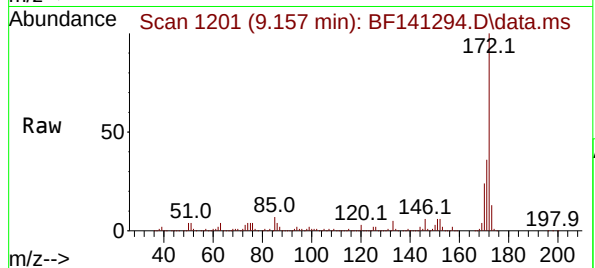
Tgt Ion:172 Resp: 1339709

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.278 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

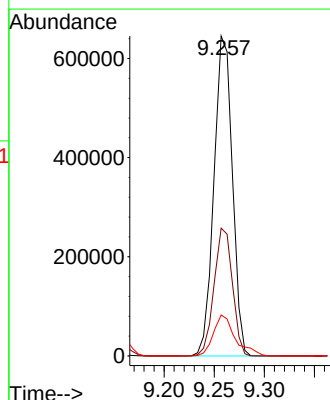
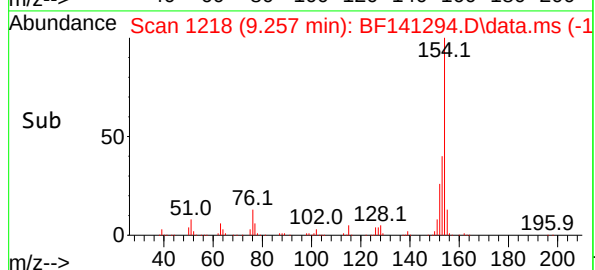
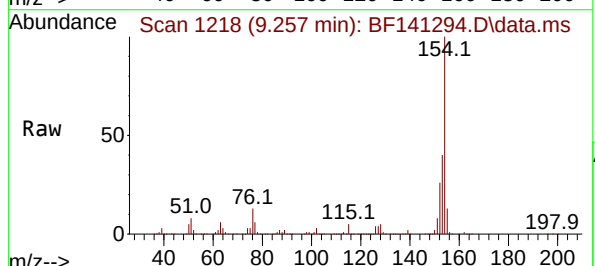
Tgt Ion:154 Resp: 823004

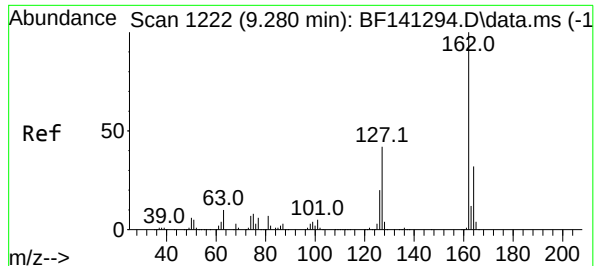
Ion Ratio Lower Upper

154 100

153 40.0 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 37.020 ng

RT: 9.280 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

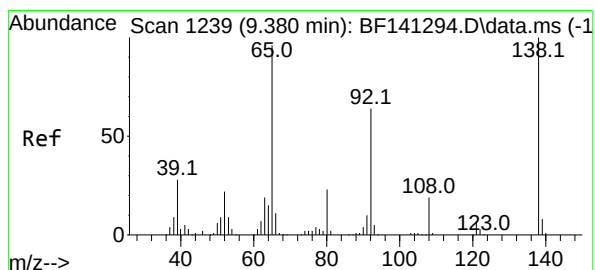
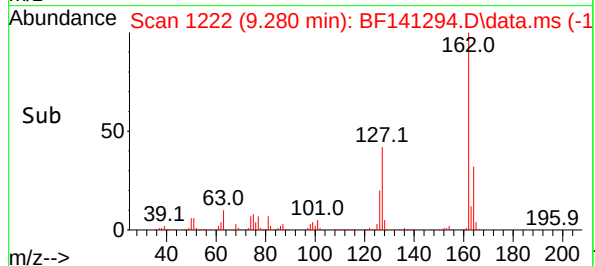
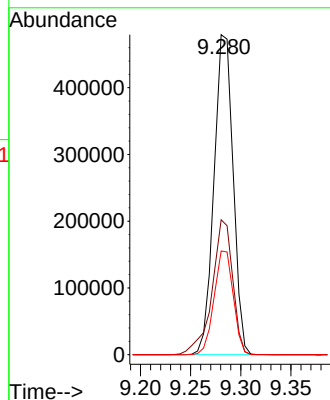
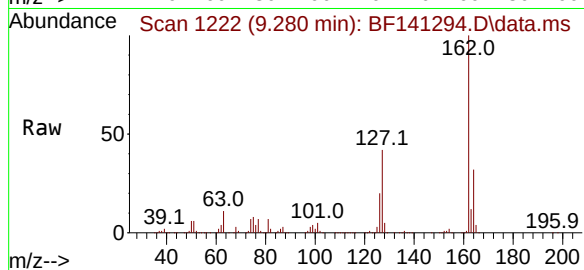
Tgt Ion:162 Resp: 634814

Ion Ratio Lower Upper

162 100

127 42.1 33.7 50.5

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 38.089 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

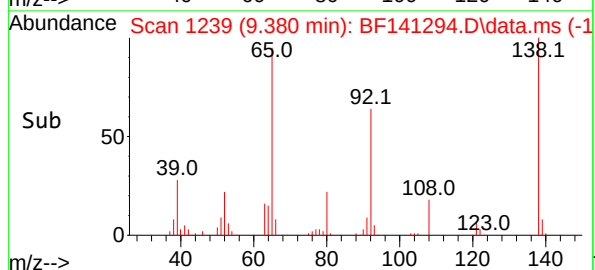
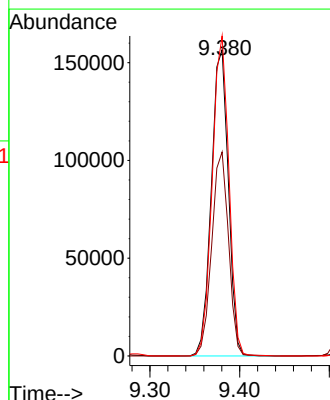
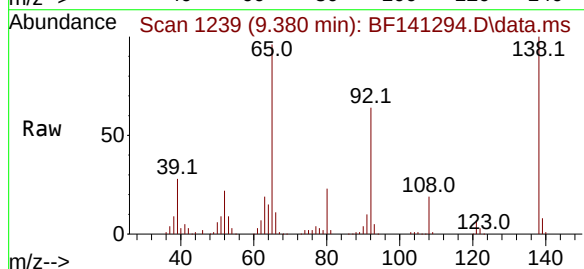
Tgt Ion: 65 Resp: 205997

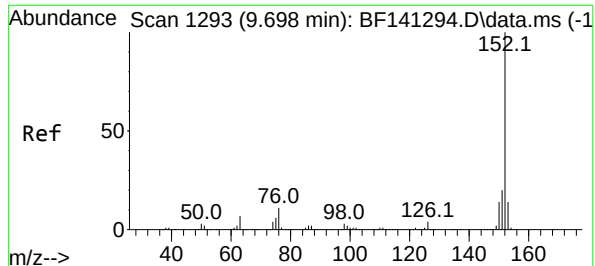
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 37.483 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

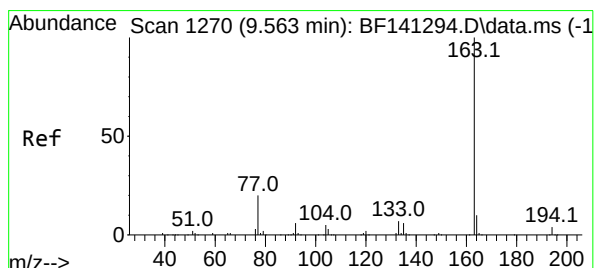
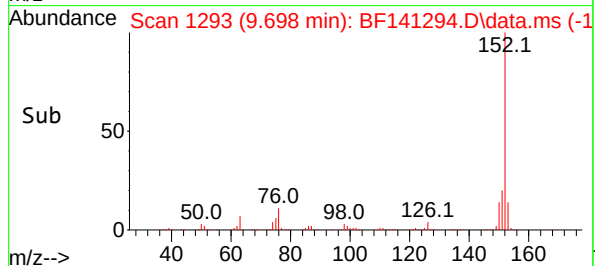
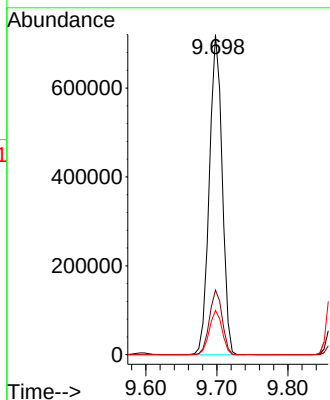
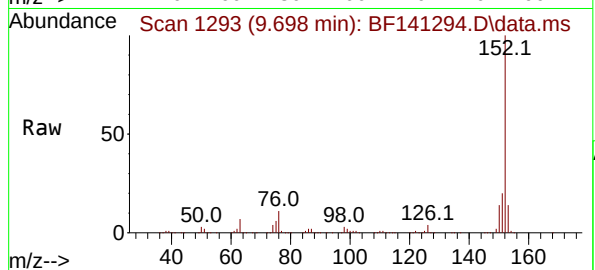
Tgt Ion:152 Resp: 902715

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 36.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

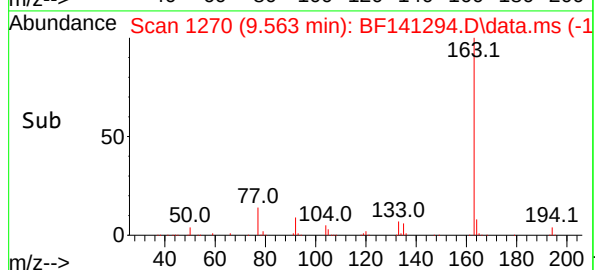
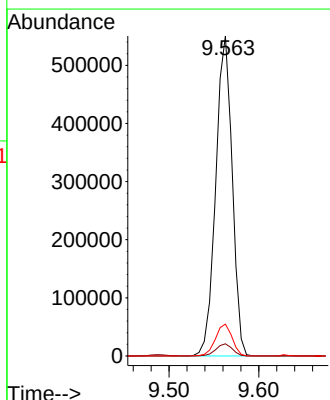
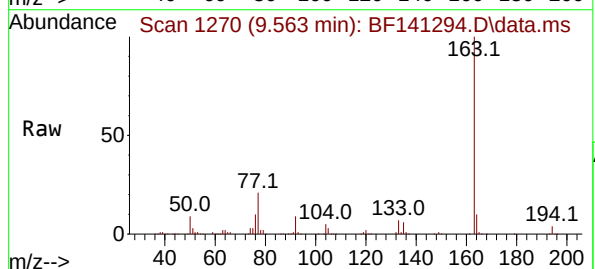
Tgt Ion:163 Resp: 701107

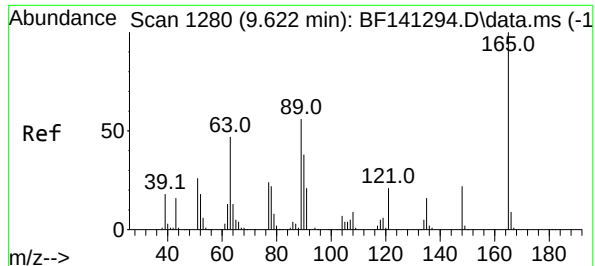
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 37.909 ng

RT: 9.622 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

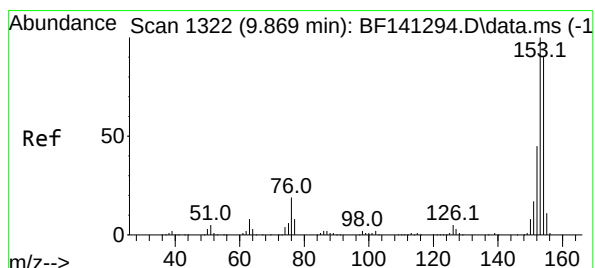
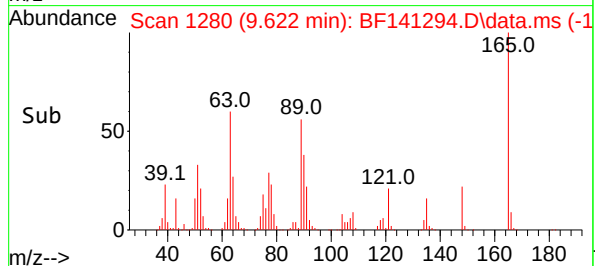
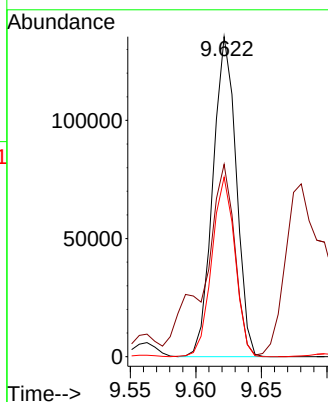
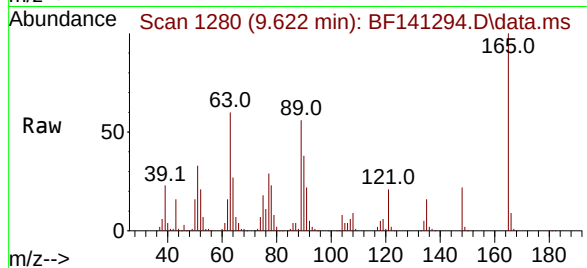
Tgt Ion:165 Resp: 167409

Ion Ratio Lower Upper

165 100

63 60.1 48.1 72.1

89 56.1 44.9 67.3



#52

Acenaphthene

Concen: 37.266 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

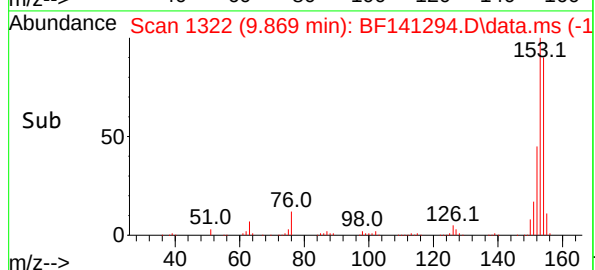
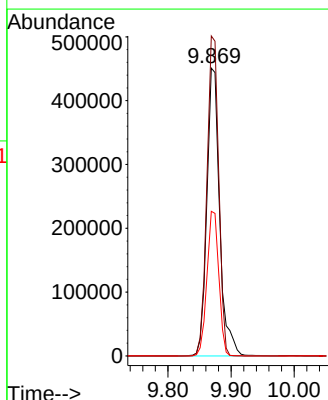
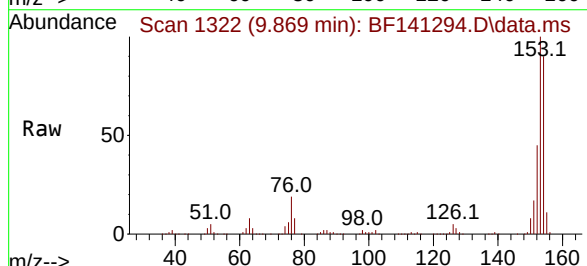
Tgt Ion:154 Resp: 638597

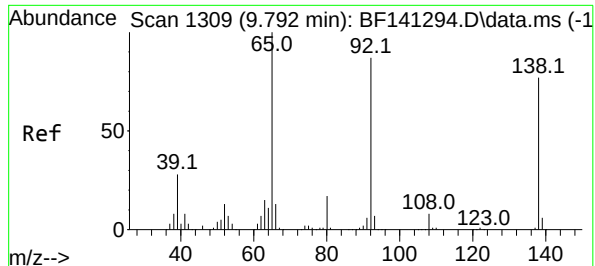
Ion Ratio Lower Upper

154 100

153 111.2 89.0 133.4

152 50.3 40.2 60.4

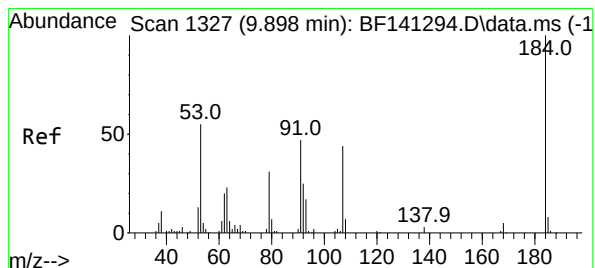
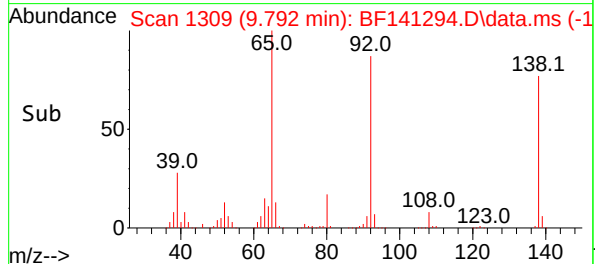
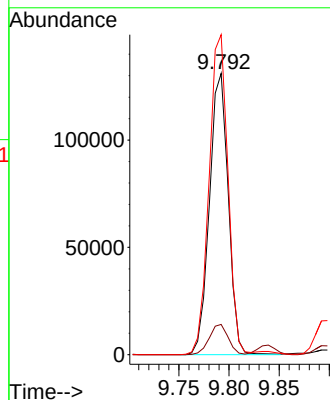
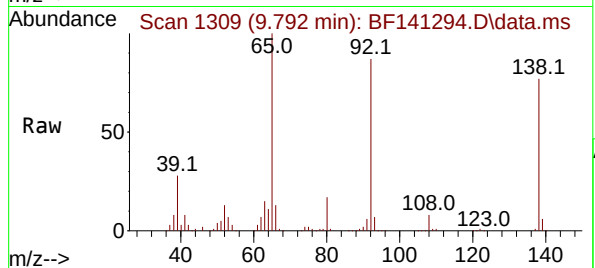




#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

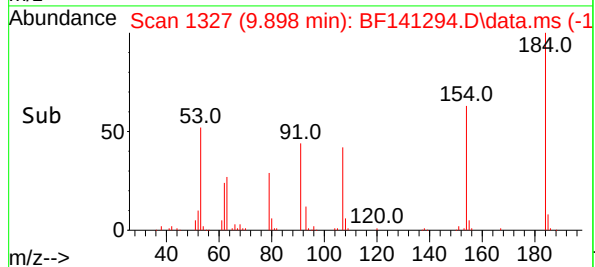
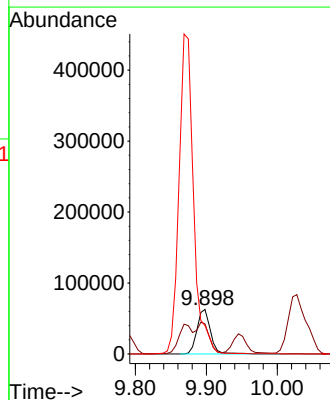
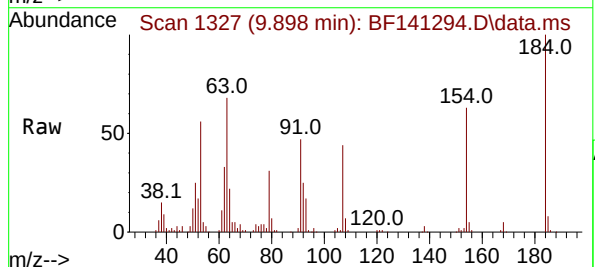
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

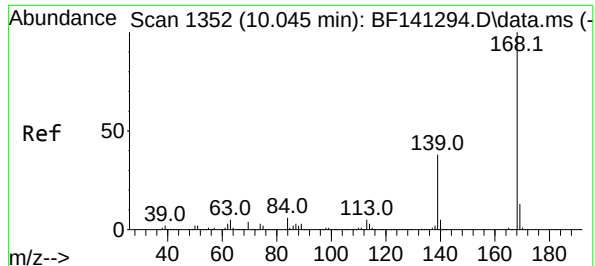
Tgt Ion:138 Resp: 171409
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 113.8 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282
Ion Ratio Lower Upper
184 100
63 67.6 54.1 81.1
154 63.4 50.7 76.1





#55

Dibenzenofuran

Concen: 37.490 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

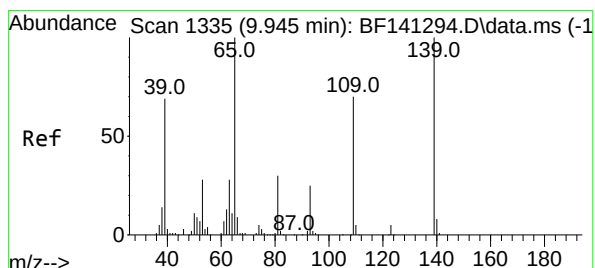
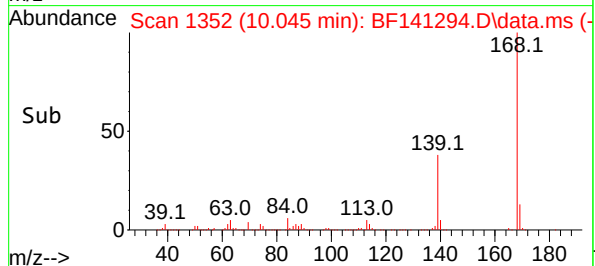
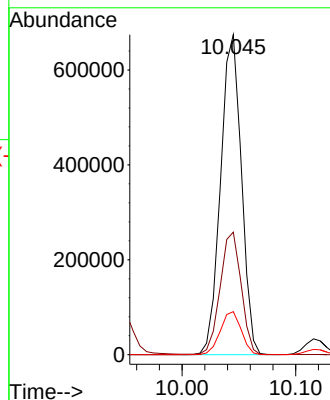
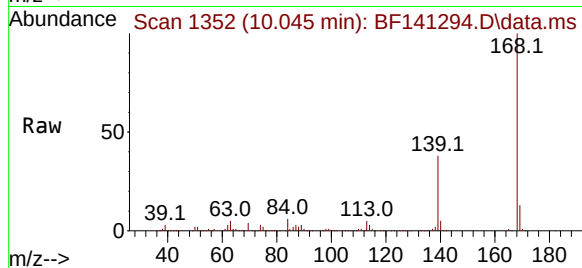
Tgt Ion:168 Resp: 859175

Ion Ratio Lower Upper

168 100

139 38.3 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 40.349 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

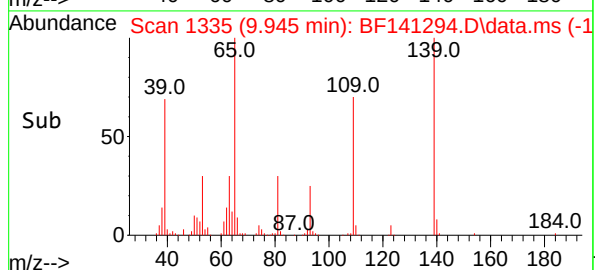
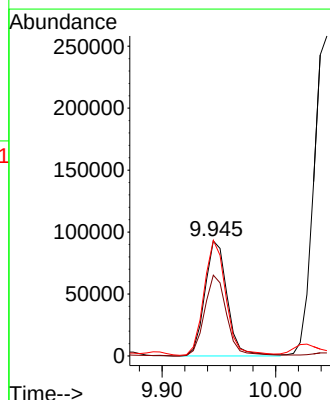
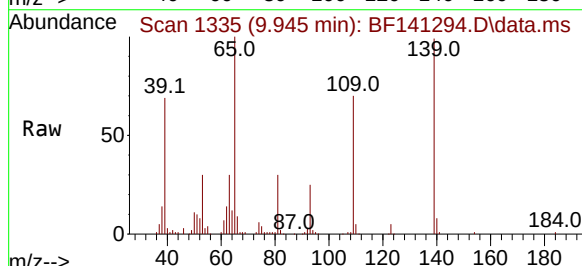
Tgt Ion:139 Resp: 126536

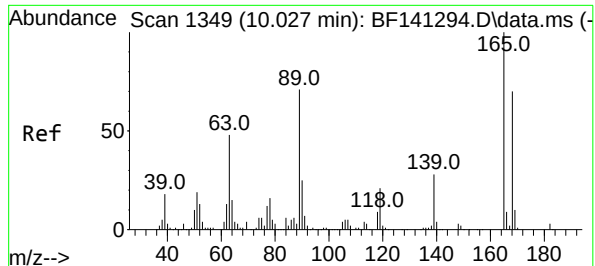
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

65 100.6 80.6 120.6

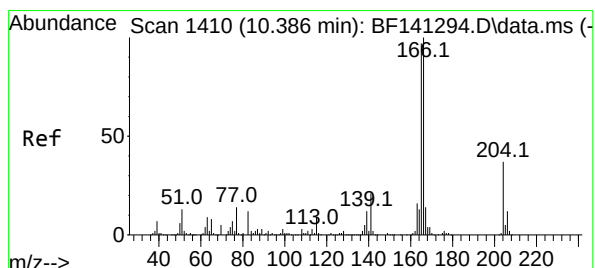
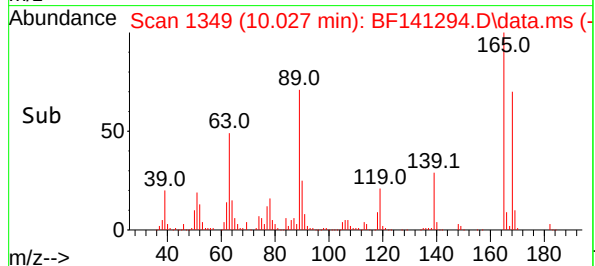
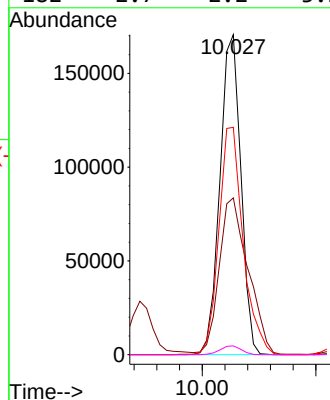
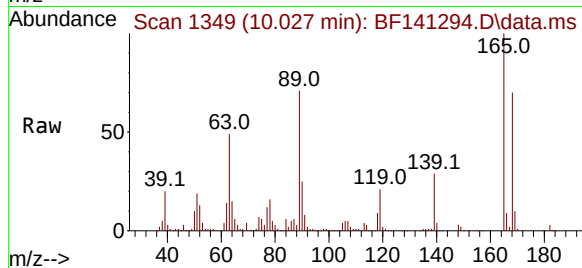




#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

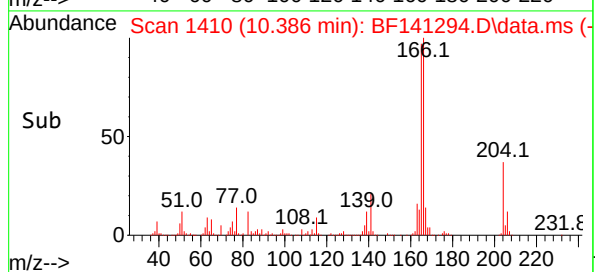
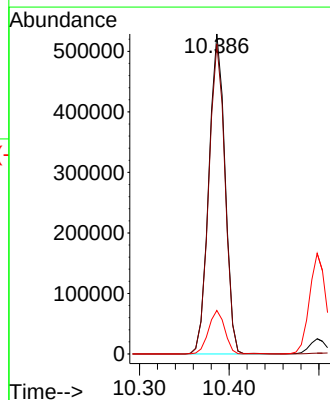
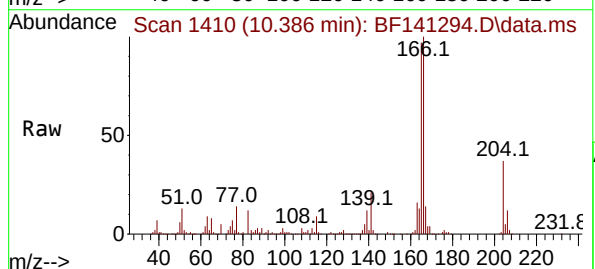
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

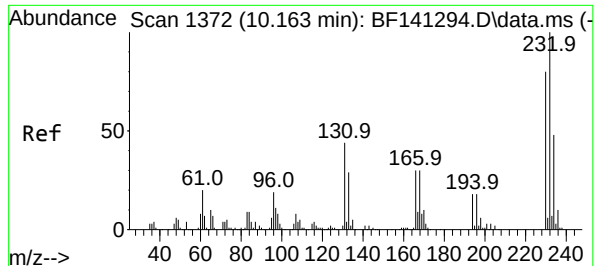
Tgt Ion:165 Resp: 218627
Ion Ratio Lower Upper
165 100
63 49.0 39.2 58.8
89 71.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3

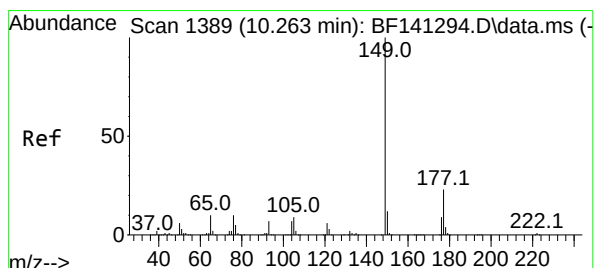
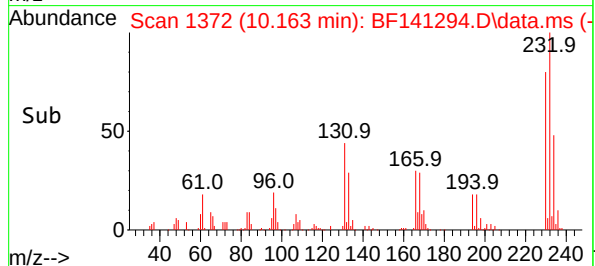
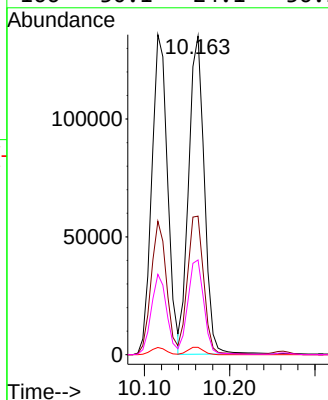
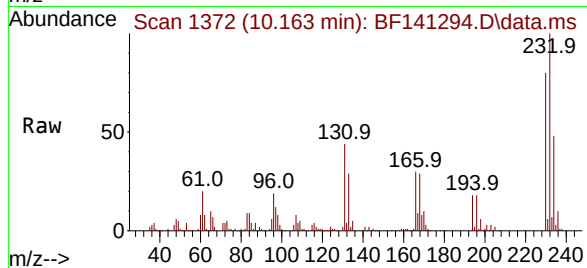




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

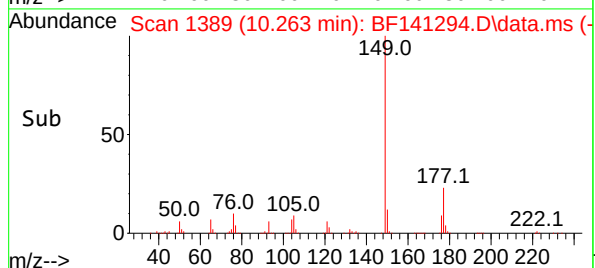
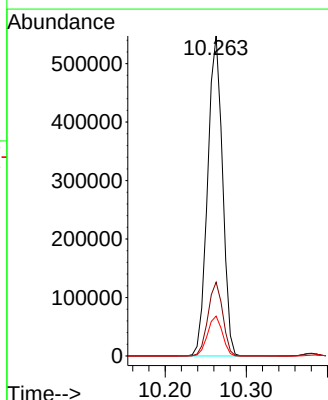
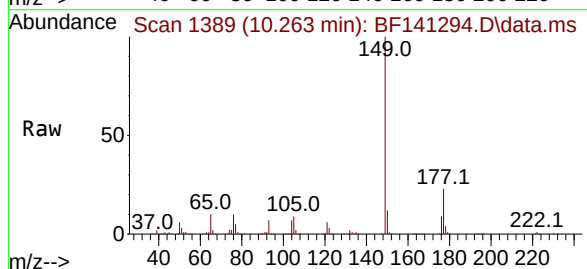
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

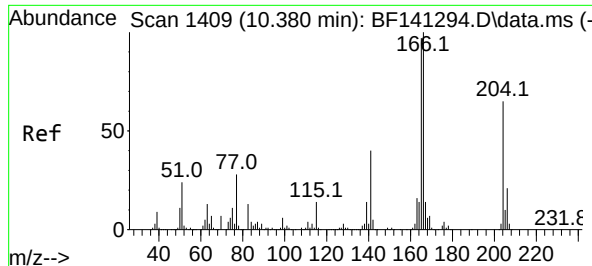
Tgt Ion:232 Resp: 172174
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.4 1.9 2.9
166 30.1 24.1 36.1



#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066
Ion Ratio Lower Upper
149 100
177 23.1 18.5 27.7
150 12.5 10.0 15.0

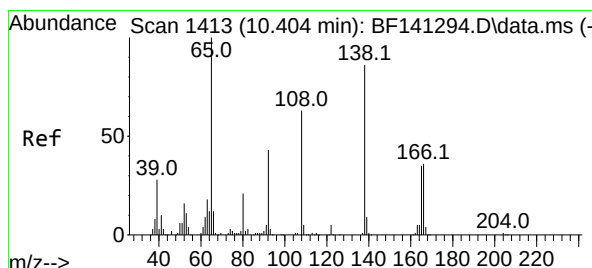
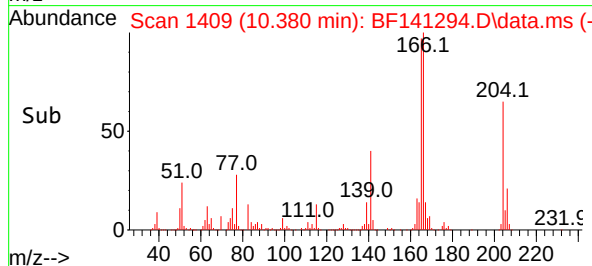
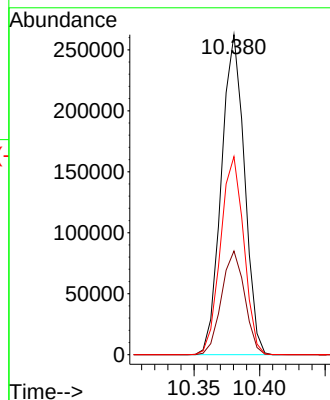
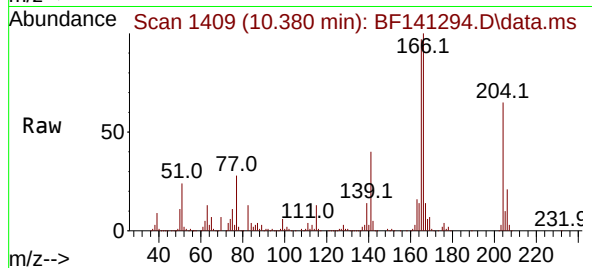




#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

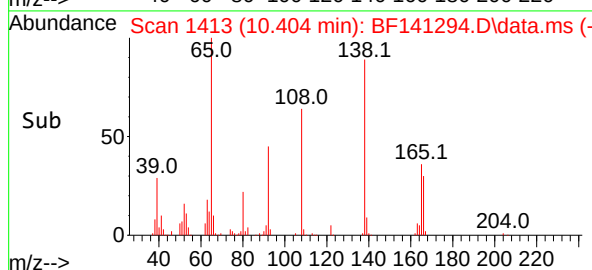
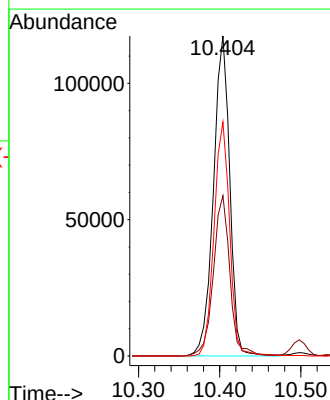
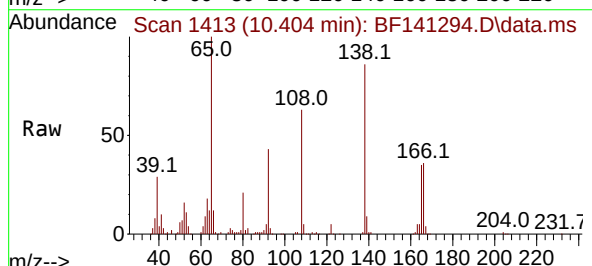
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

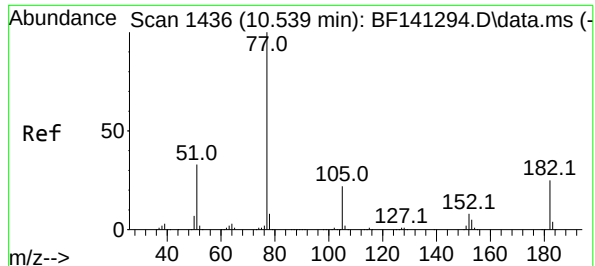
Tgt Ion:204 Resp: 321112
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 61.9 49.5 74.3



#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154
Ion Ratio Lower Upper
138 100
92 50.1 30.1 70.1
108 73.1 53.1 93.1

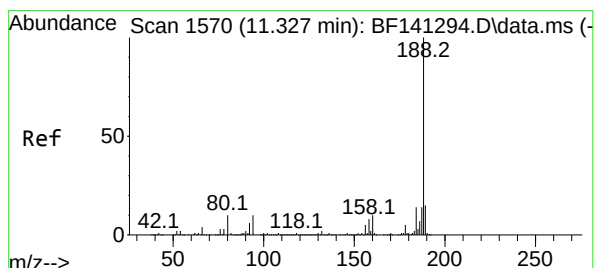
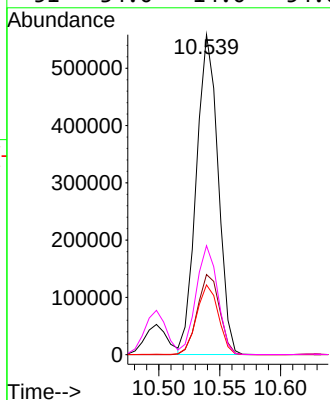
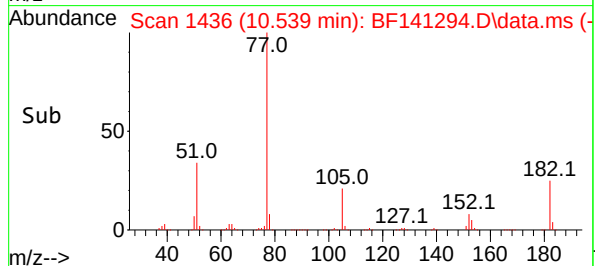
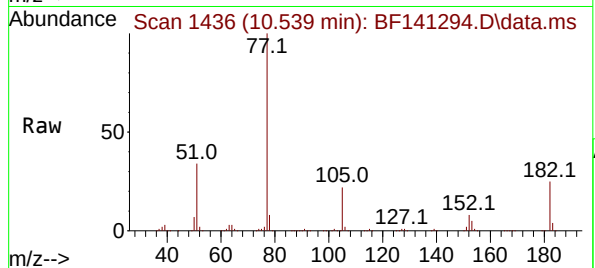




#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

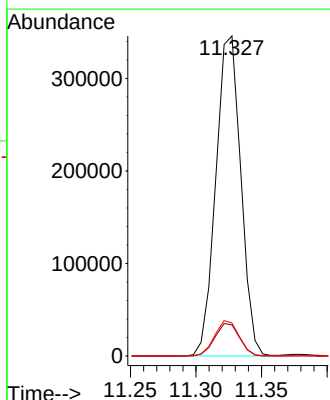
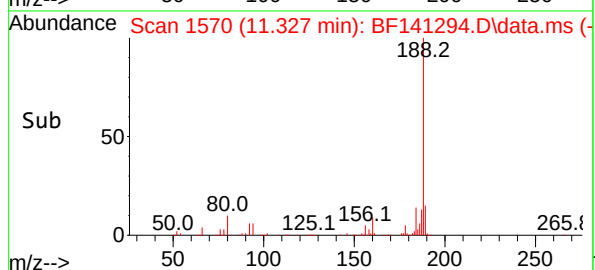
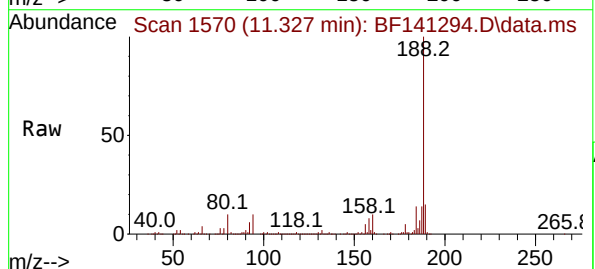
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

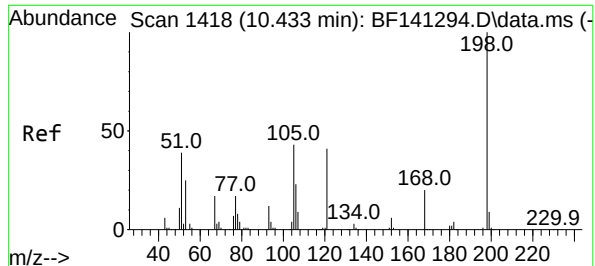
Tgt Ion:	77	Resp:	693050
Ion Ratio	Lower	Upper	
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	188	Resp:	458392
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4

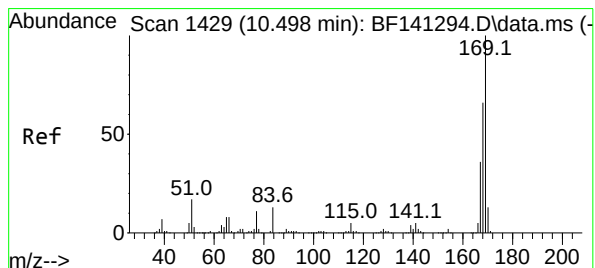
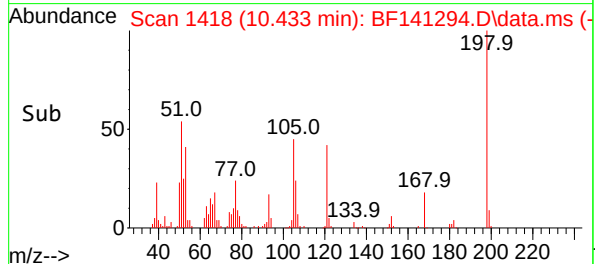
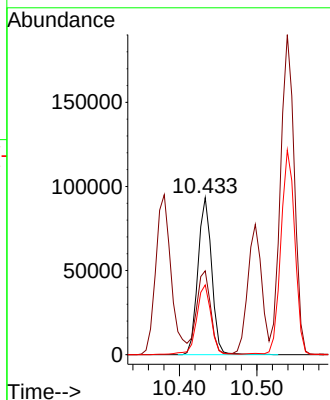
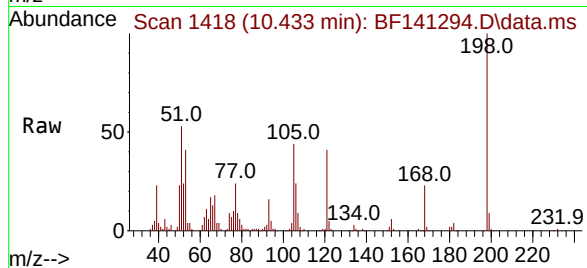




#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

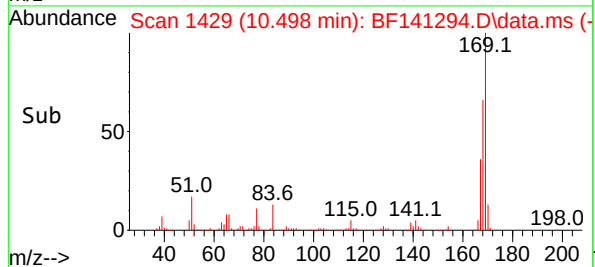
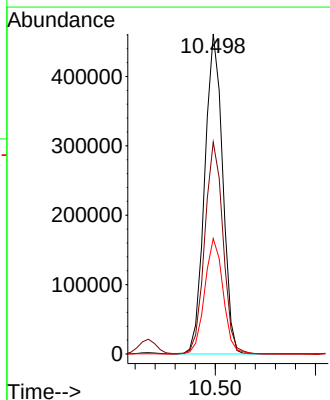
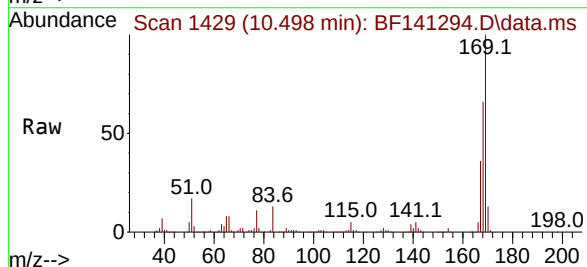
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

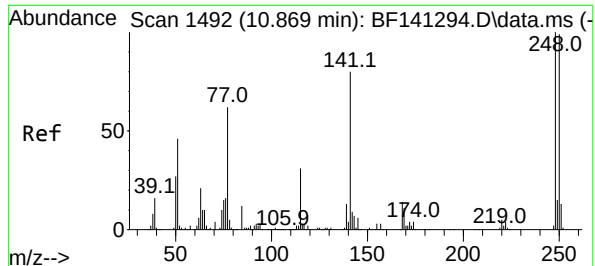
Tgt Ion:198 Resp: 114735
Ion Ratio Lower Upper
198 100
51 53.4 33.4 73.4
105 44.4 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:169 Resp: 573712
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.0 28.8 43.2

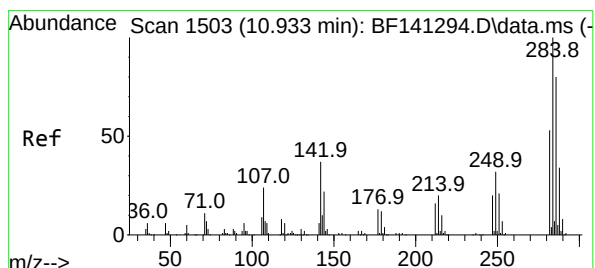
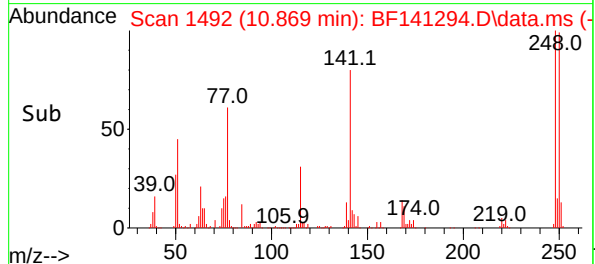
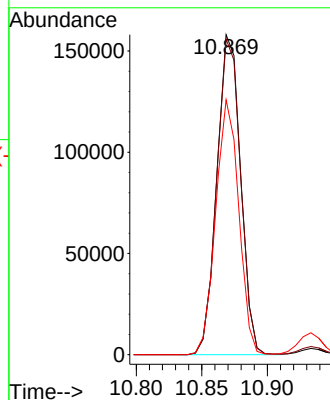
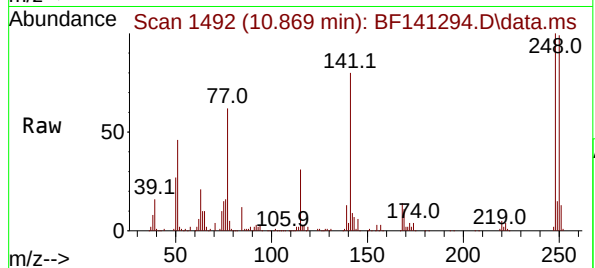




#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

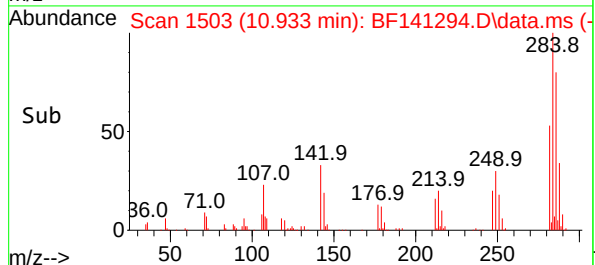
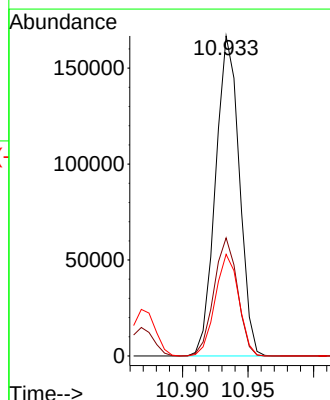
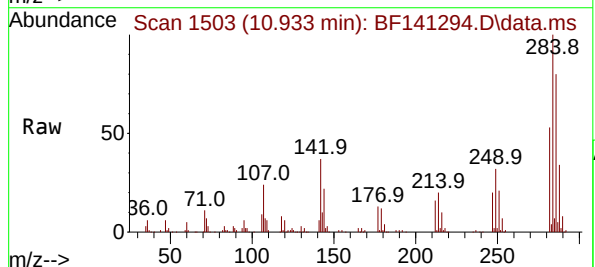
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

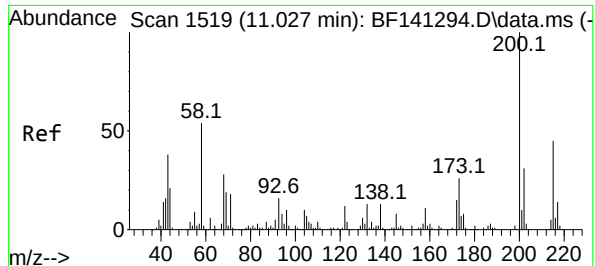
Tgt Ion:248 Resp: 198895
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.4
141 79.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 31.8 25.4 38.2





#69

Atrazine

Concen: 39.131 ng

RT: 11.027 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

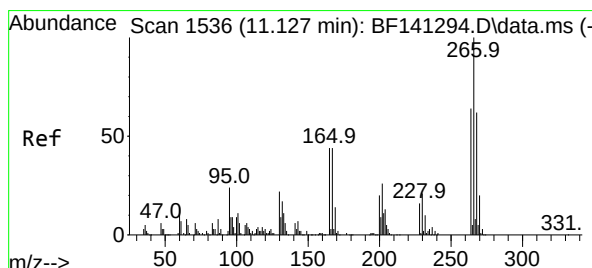
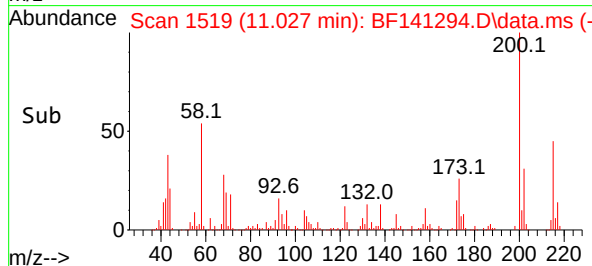
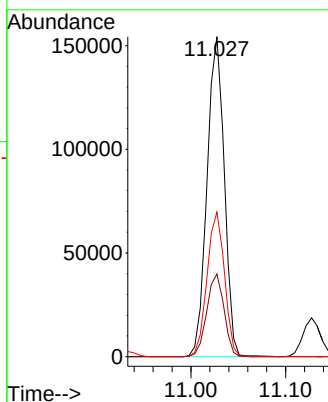
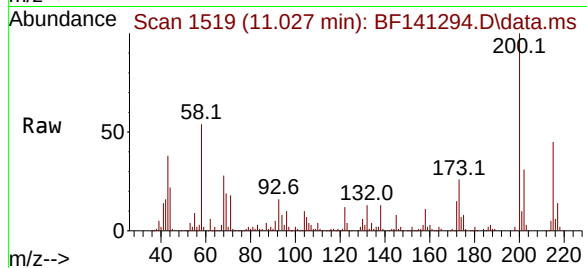
Tgt Ion:200 Resp: 195062

Ion Ratio Lower Upper

200 100

173 25.9 5.9 45.9

215 45.2 25.2 65.2



#70

Pentachlorophenol

Concen: 41.196 ng

RT: 11.127 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

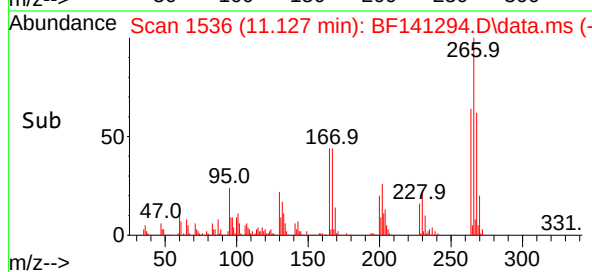
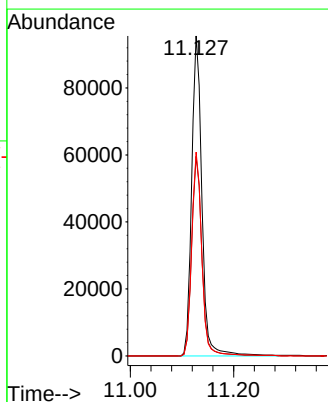
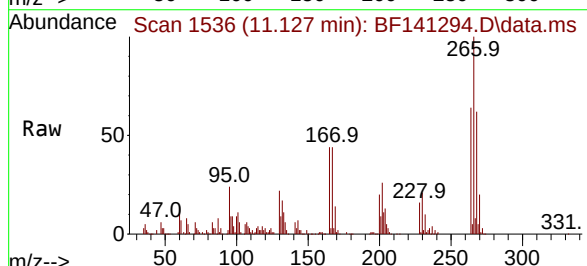
Tgt Ion:266 Resp: 131295

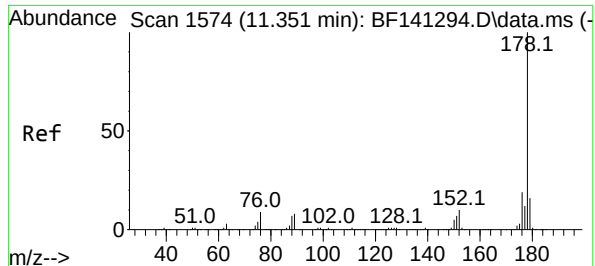
Ion Ratio Lower Upper

266 100

268 62.4 49.9 74.9

264 63.7 51.0 76.4





#71

Phenanthrene

Concen: 38.175 ng

RT: 11.351 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

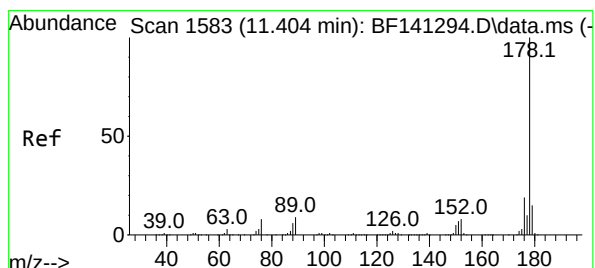
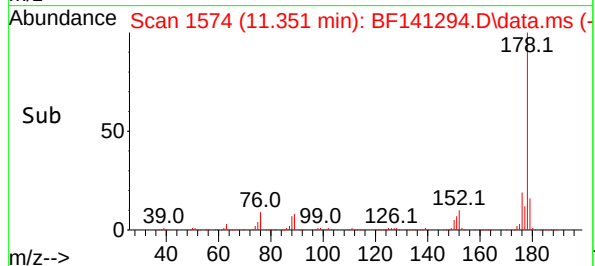
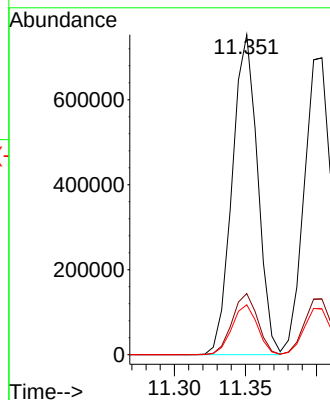
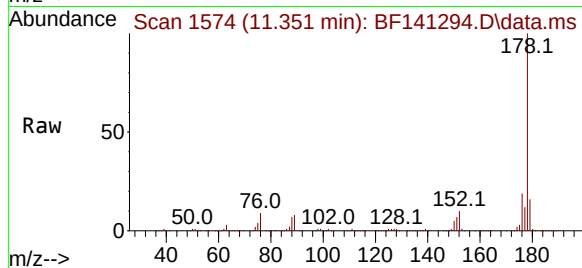
Tgt Ion:178 Resp: 940021

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 38.521 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

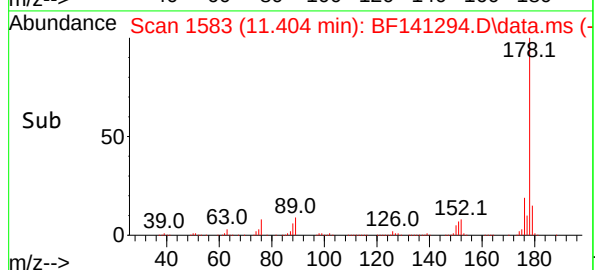
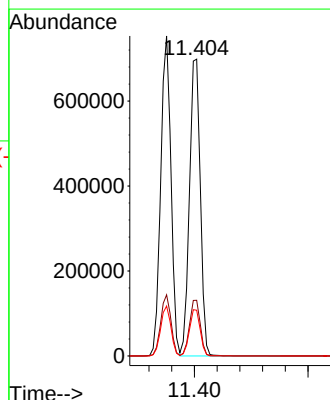
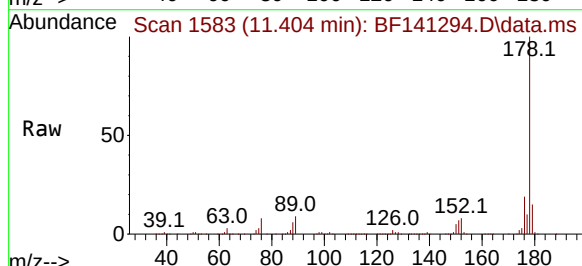
Tgt Ion:178 Resp: 925244

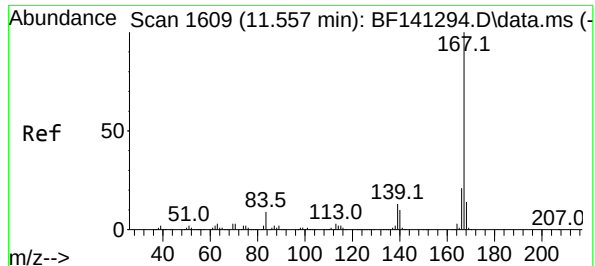
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.4 12.3 18.5

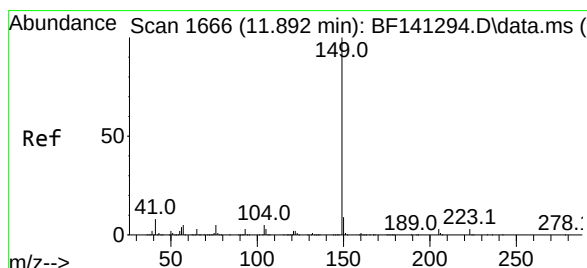
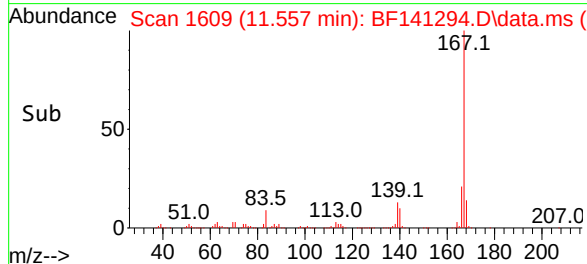
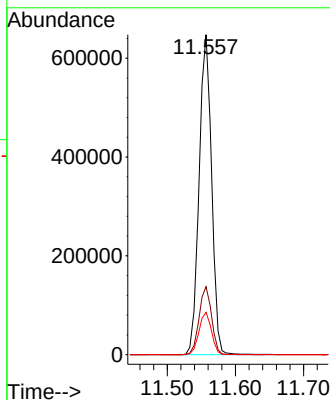
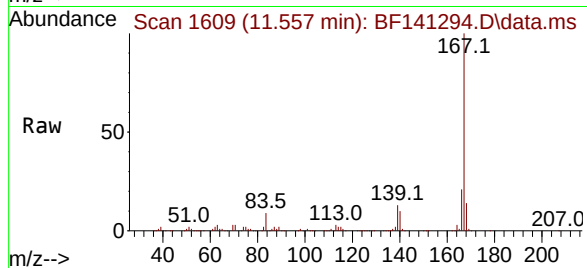




#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

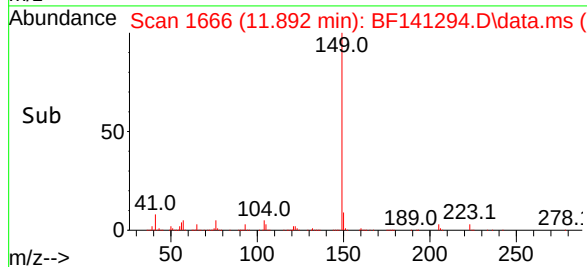
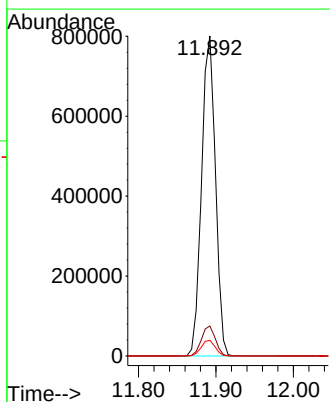
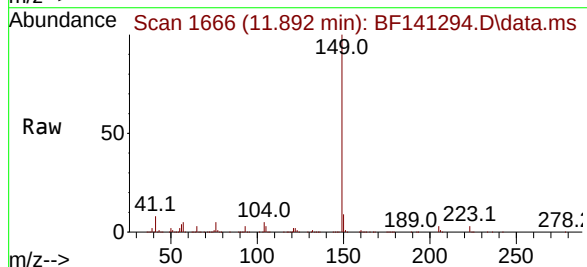
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

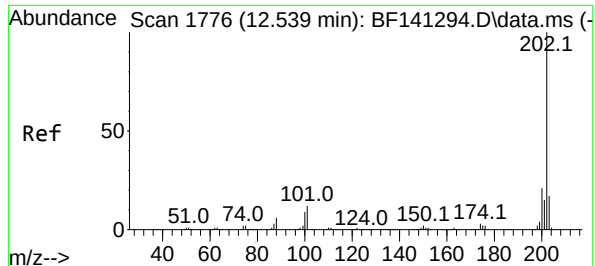
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0



#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9

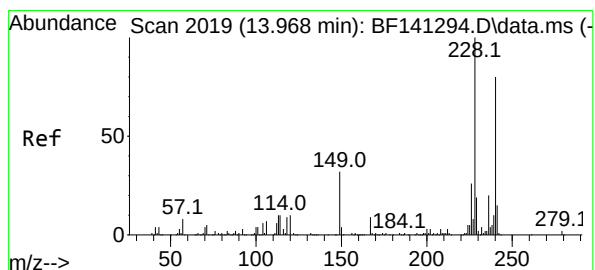
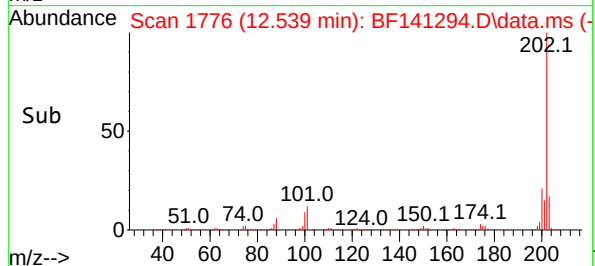
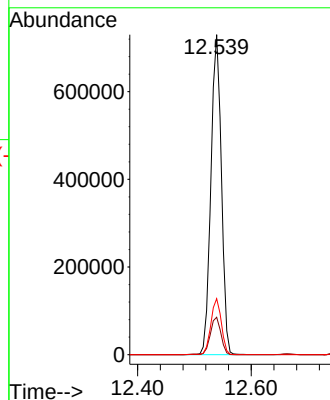
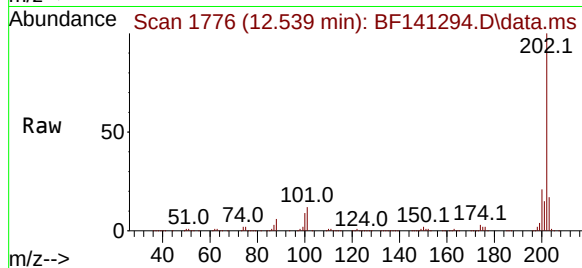




#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

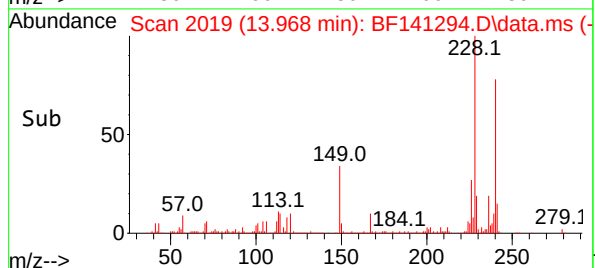
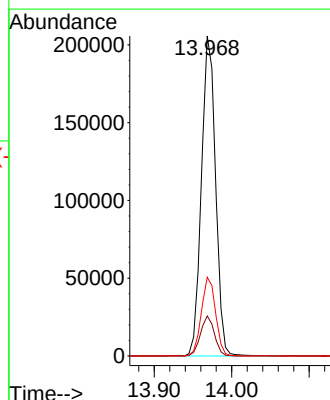
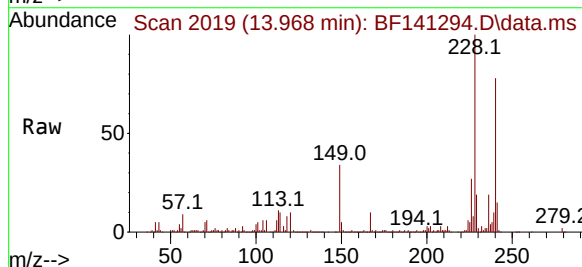
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

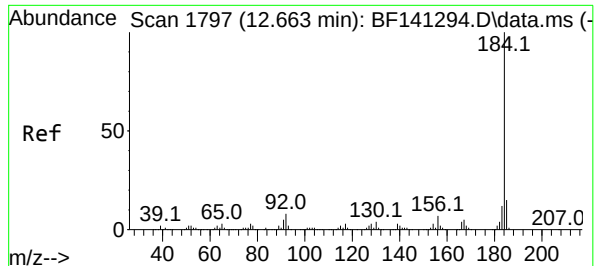
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5





#77

Benzidine

Concen: 48.034 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

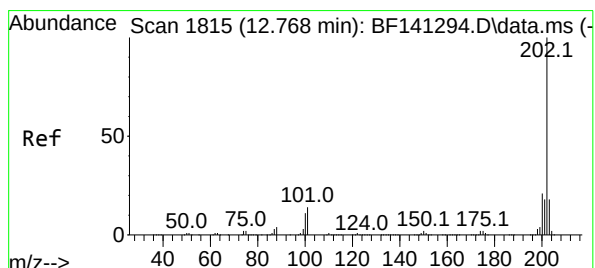
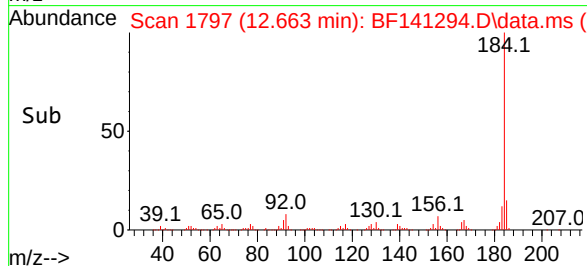
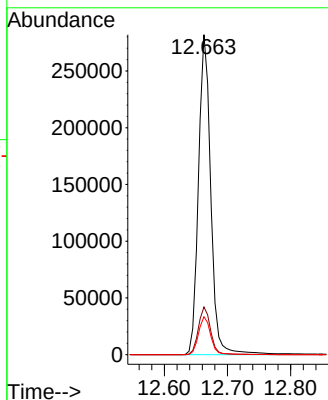
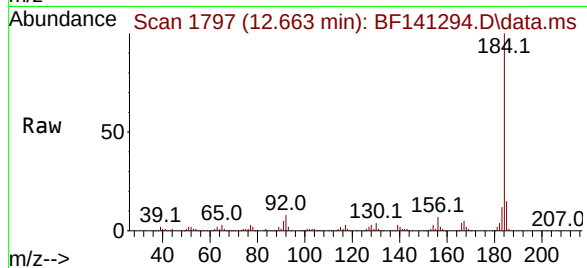
Tgt Ion:184 Resp: 380623

Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 36.333 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

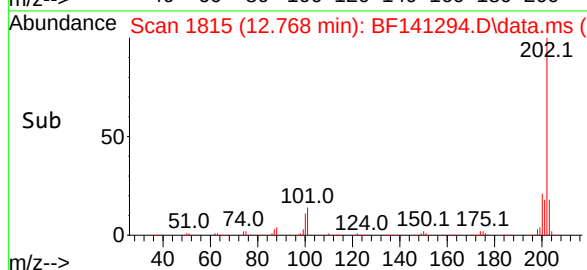
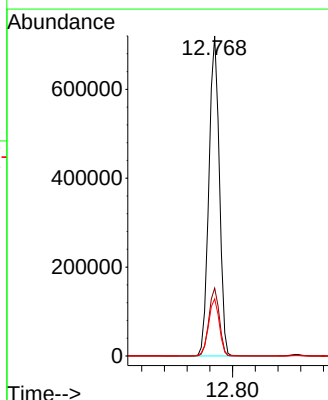
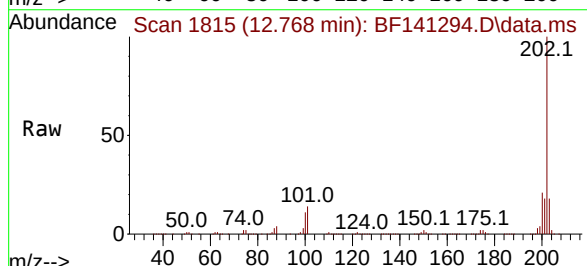
Tgt Ion:202 Resp: 914205

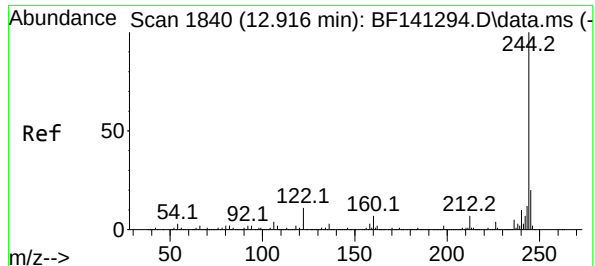
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 72.802 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141294.D

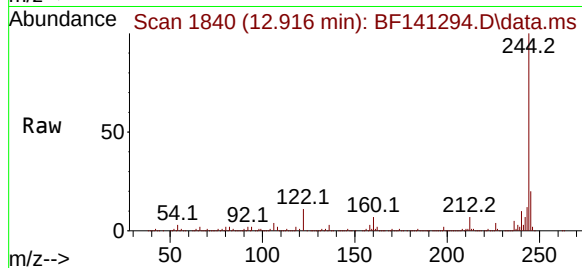
Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



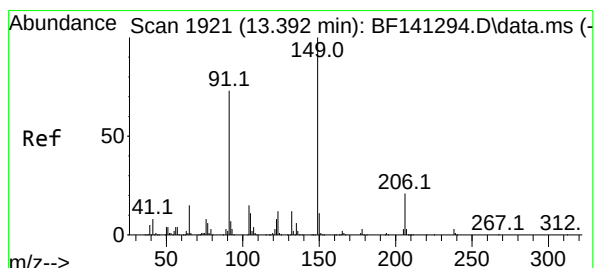
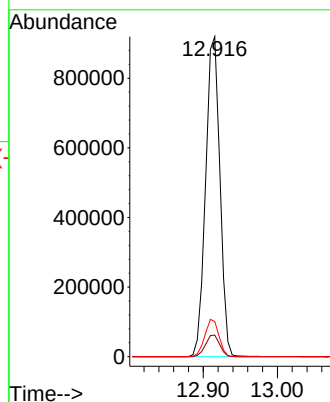
Tgt Ion:244 Resp: 1232977

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 37.532 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

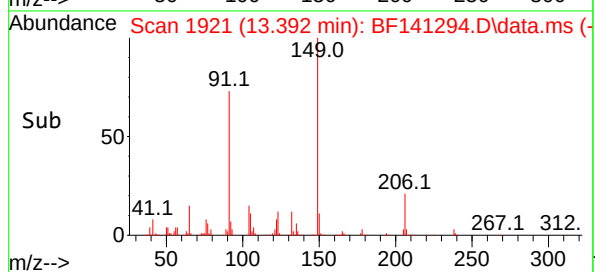
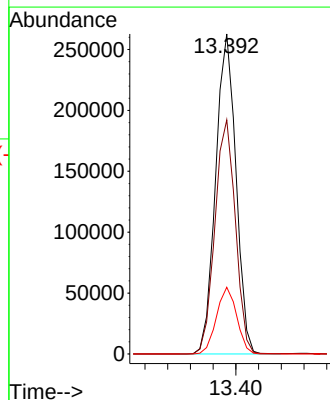
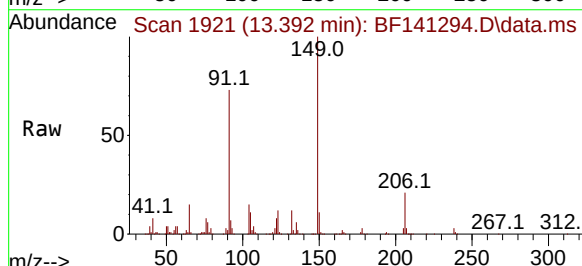
Tgt Ion:149 Resp: 326158

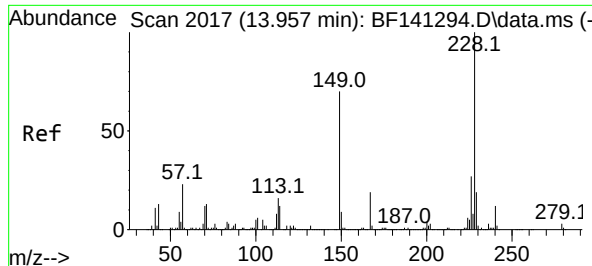
Ion Ratio Lower Upper

149 100

91 73.2 58.6 87.8

206 20.9 16.7 25.1





#81

Benzo(a)anthracene

Concen: 37.062 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

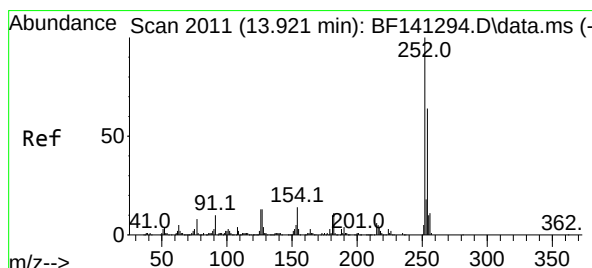
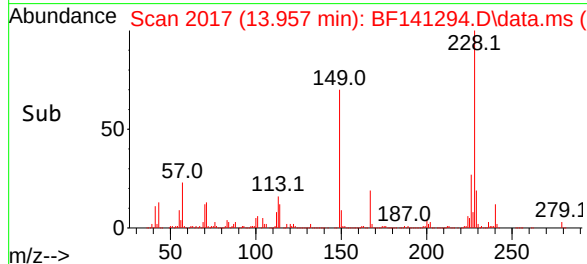
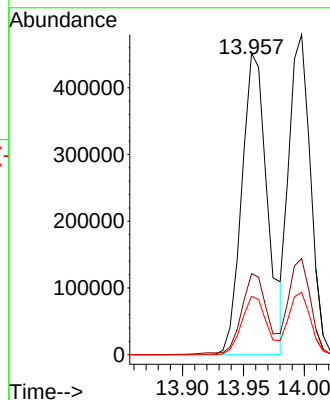
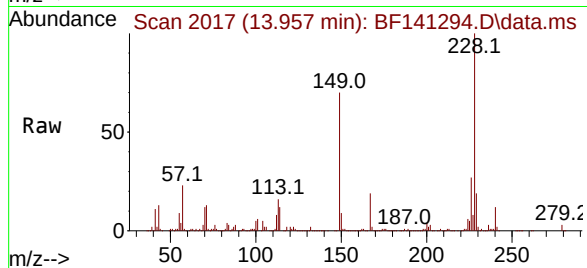
Tgt Ion:228 Resp: 661997

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

229 19.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 38.953 ng

RT: 13.921 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

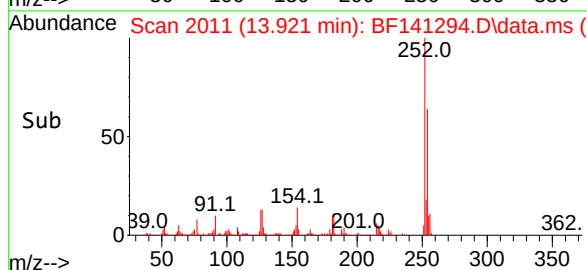
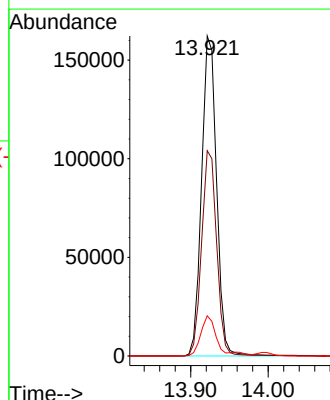
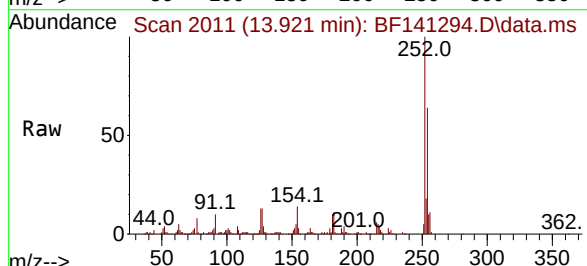
Tgt Ion:252 Resp: 217856

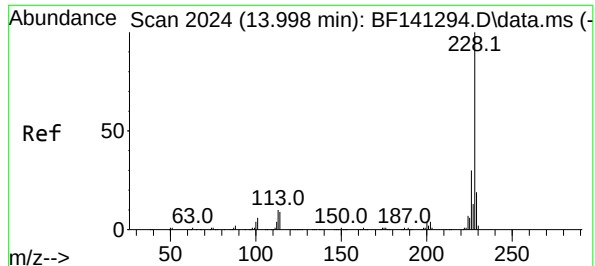
Ion Ratio Lower Upper

252 100

254 64.1 51.3 76.9

126 12.5 10.0 15.0

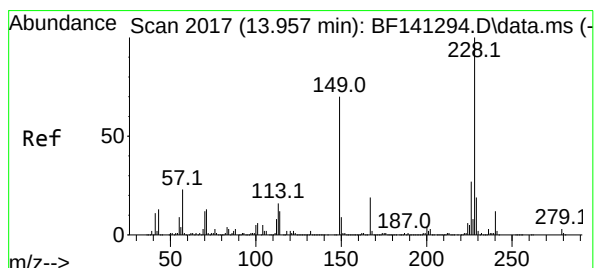
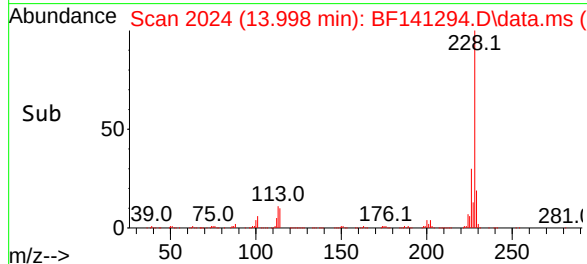
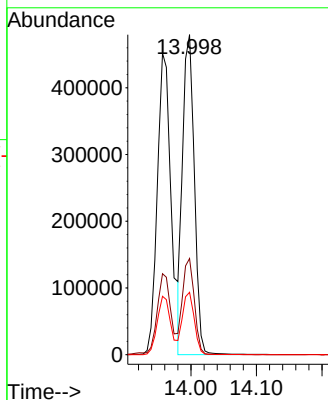
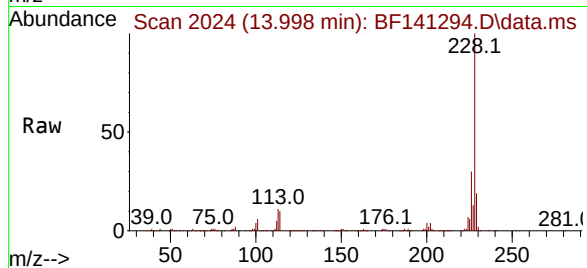




#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

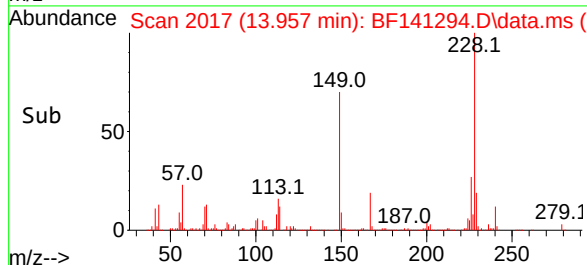
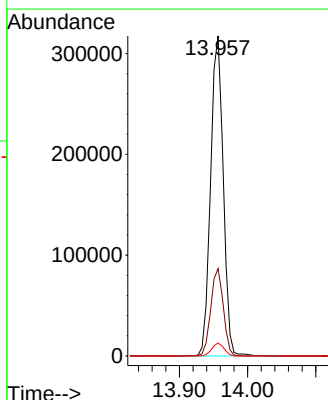
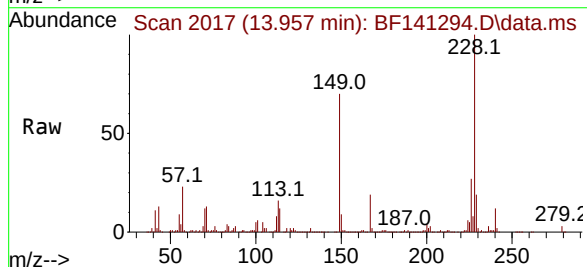
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

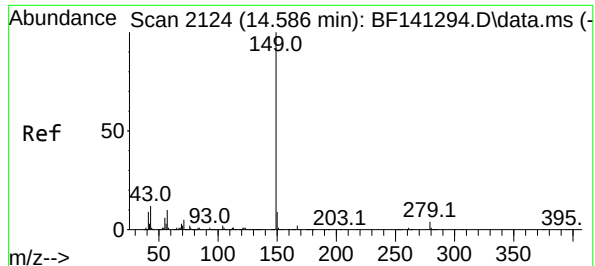
Tgt Ion:228 Resp: 591939
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.5 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.8
279 4.1 3.3 4.9

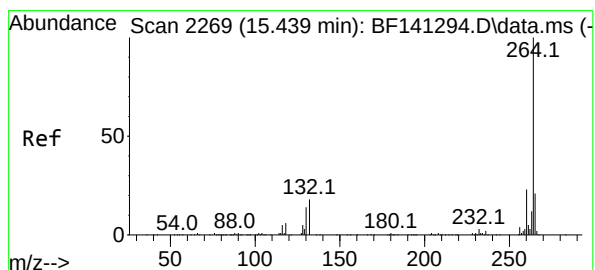
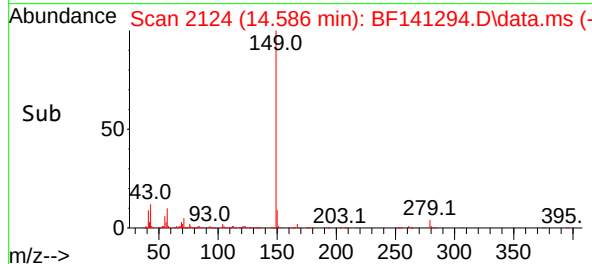
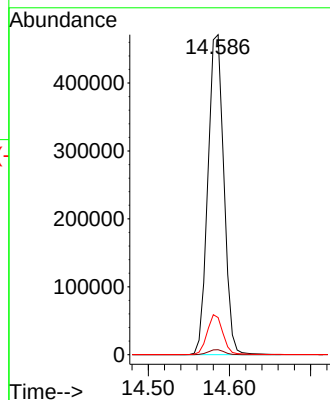
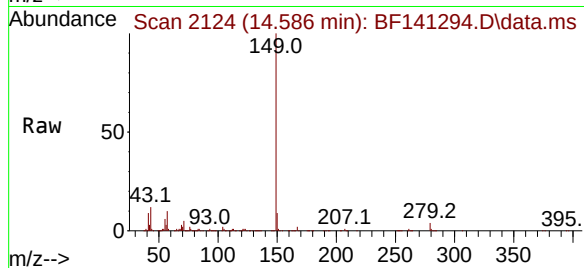




#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

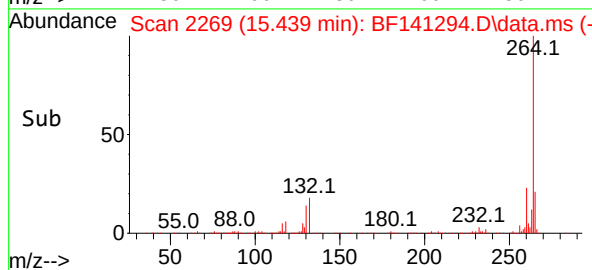
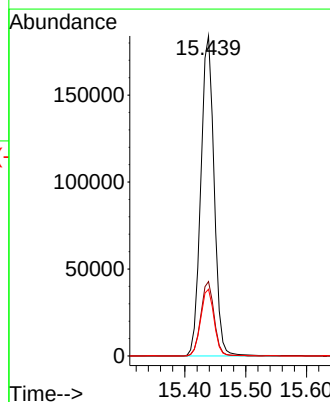
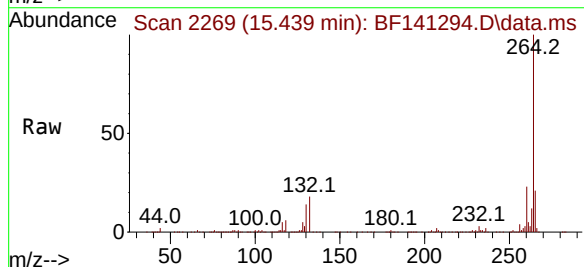
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

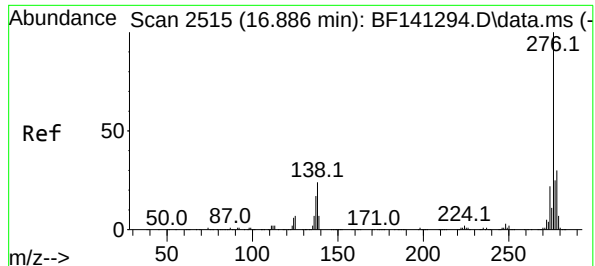
Tgt Ion:149 Resp: 640977
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.503 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

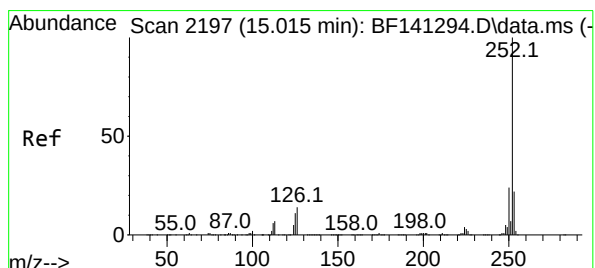
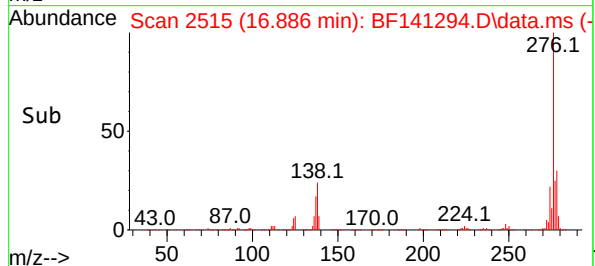
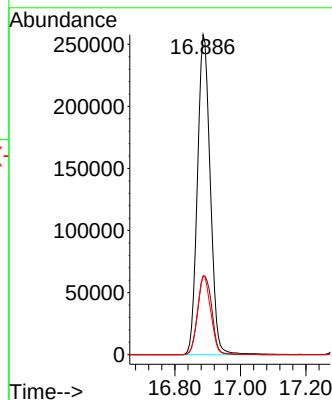
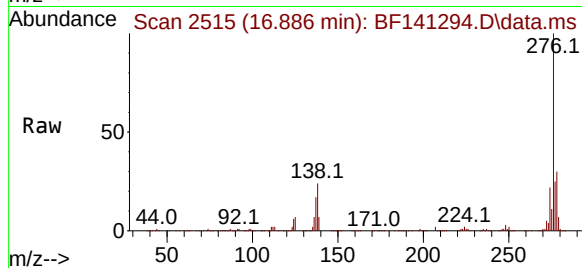
Tgt Ion:276 Resp: 702692

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.061 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

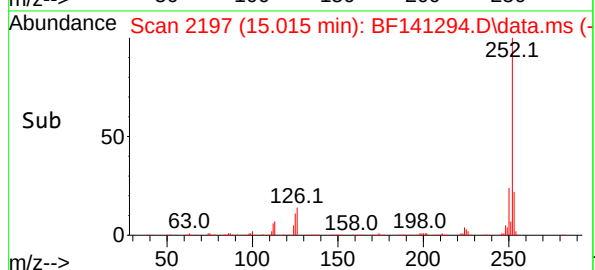
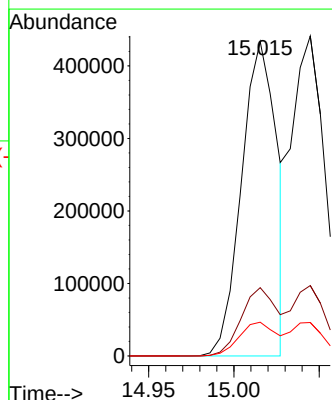
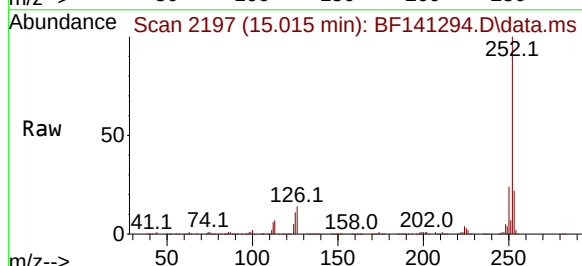
Tgt Ion:252 Resp: 625758

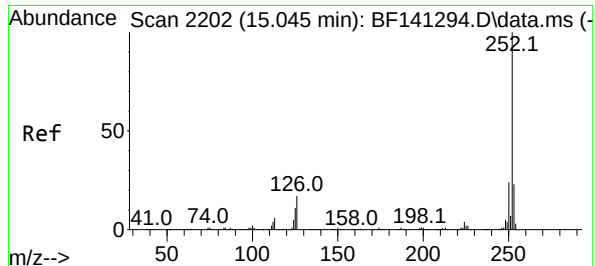
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.959 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

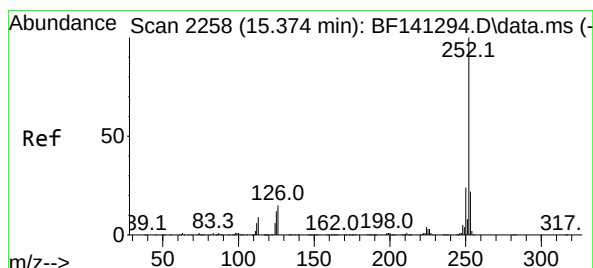
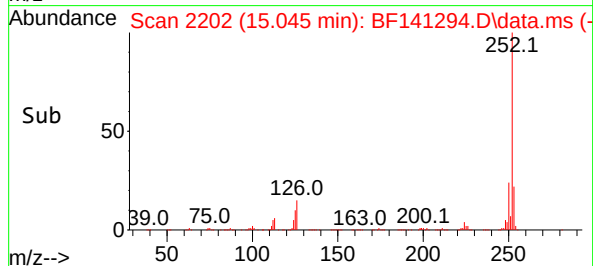
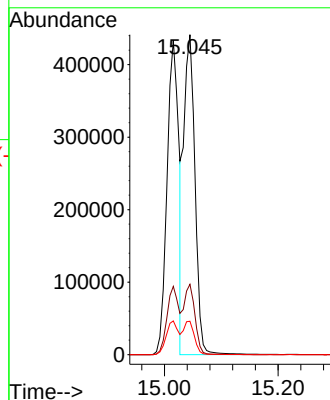
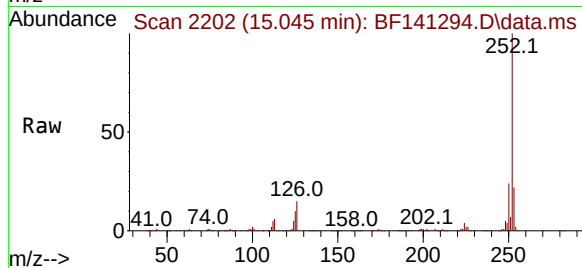
Tgt Ion:252 Resp: 605401

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 38.096 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

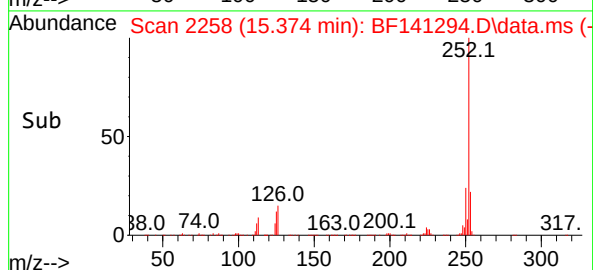
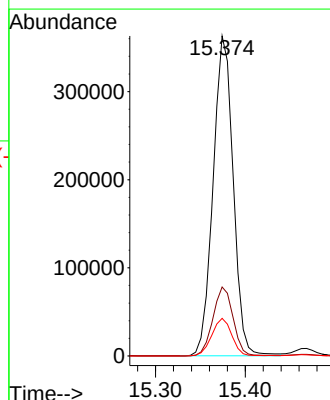
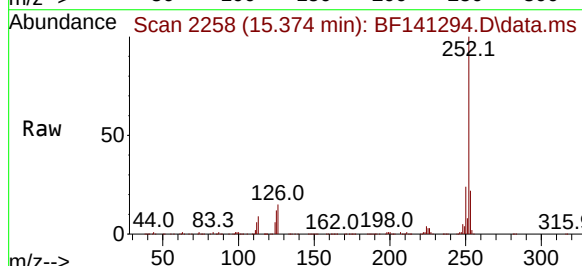
Tgt Ion:252 Resp: 564975

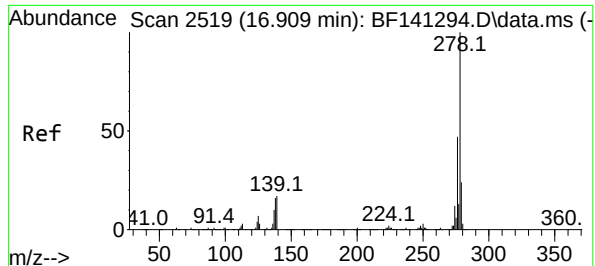
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.812 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

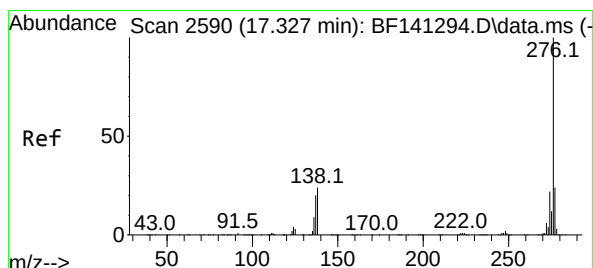
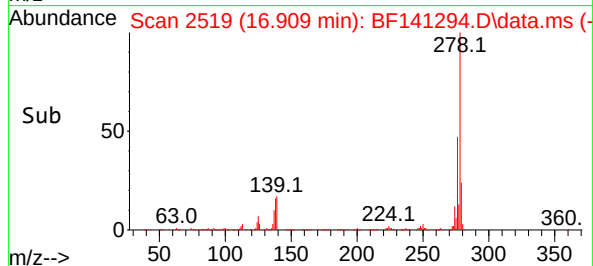
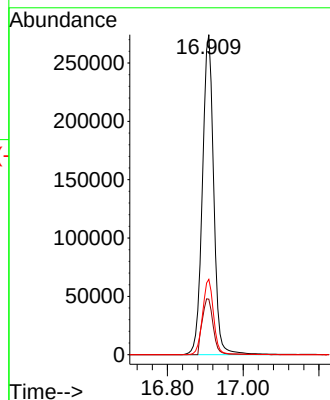
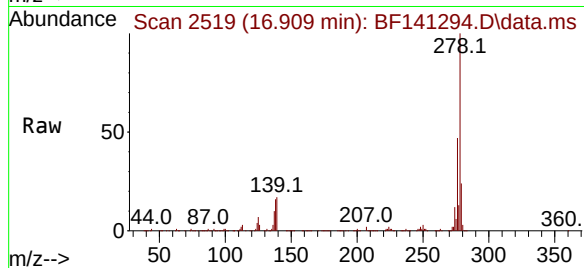
Tgt Ion:278 Resp: 567762

Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 37.870 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

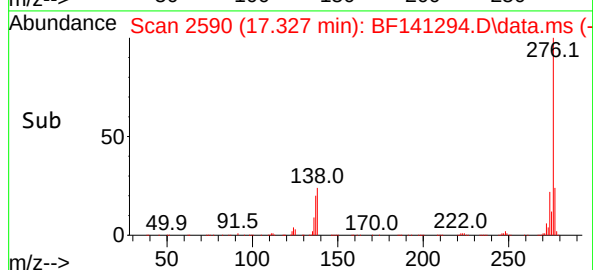
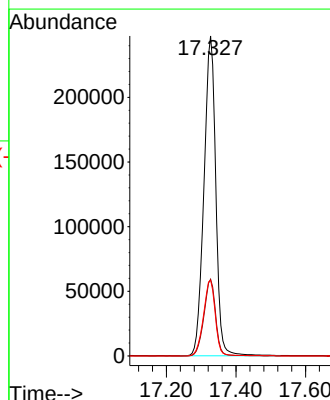
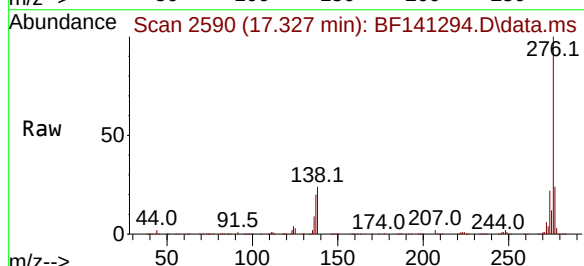
Tgt Ion:276 Resp: 582768

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng	0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng	0.00
86) Perylene-d12	15.439	264	272084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	827672	97.984	ng	0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng	0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng	0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng	98
3) Pyridine	3.222	79	455306	50.773	ng	100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng	100
6) Aniline	6.463	93	458390	50.942	ng	97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng	98
9) Benzaldehyde	6.351	77	281326	44.996	ng	98
10) Phenol	6.445	94	553844	48.628	ng	95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng	98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng	100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng	99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng	99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng	99
17) 2-Methylphenol	7.051	107	361469	49.214	ng	99
18) Hexachloroethane	7.310	117	182933	49.073	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng	98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng	94
22) Acetophenone	7.210	105	574700	47.365	ng	# 97
24) Nitrobenzene	7.386	77	492082	49.046	ng	98
25) Isophorone	7.622	82	818496	48.959	ng	99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng	99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng	99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng	100
31) Naphthalene	8.104	128	1304758	48.468	ng	100
32) Benzoic acid	7.857	122	308525	56.571	ng	99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng	100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng	99
35) Caprolactam	8.528	113	120078	50.594	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng	98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng	99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng	100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

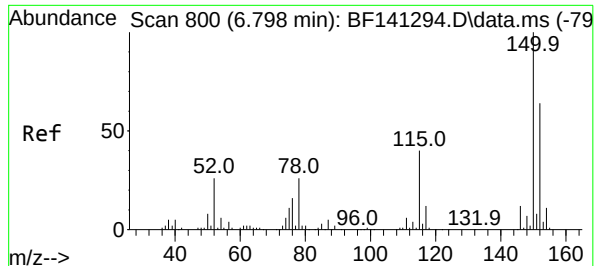
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations

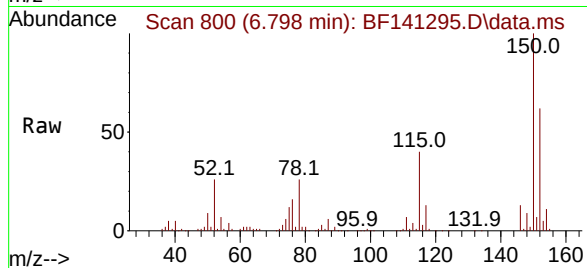
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

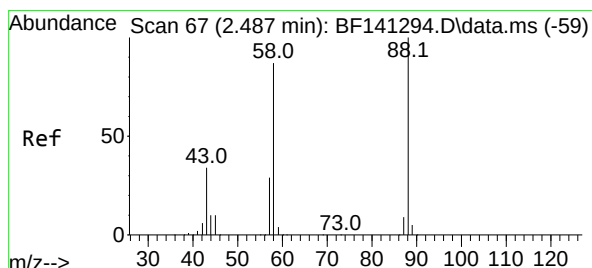
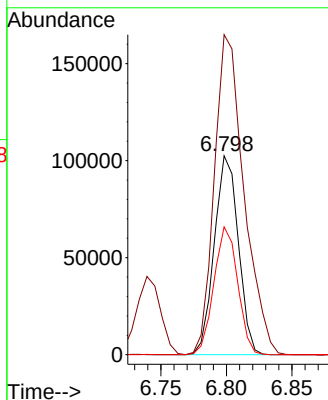
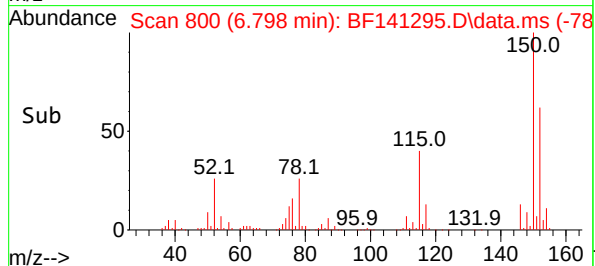
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 13063
Ion Ratio Lower Upper
152 100
150 160.9 125.9 188.9
115 64.3 49.7 74.5

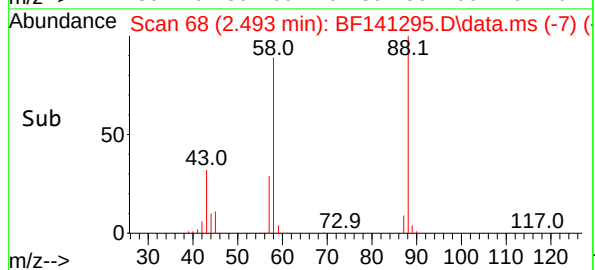
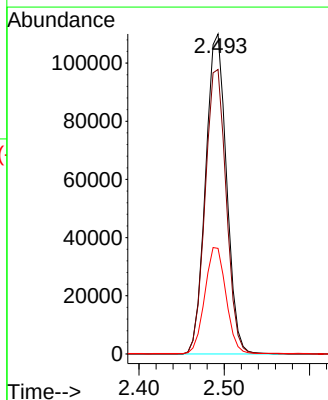
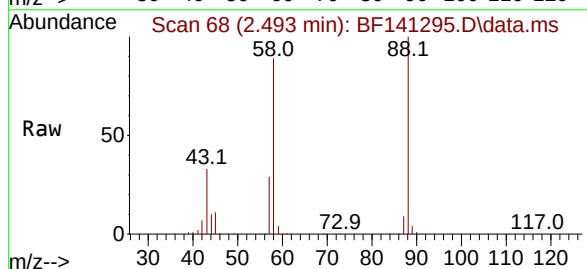
Manual Integrations
APPROVED

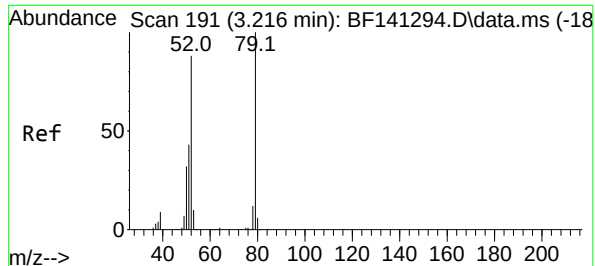
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

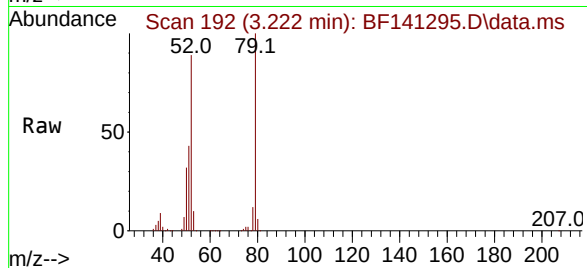
Tgt Ion: 88 Resp: 187460
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 33.5 27.6 41.4





#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

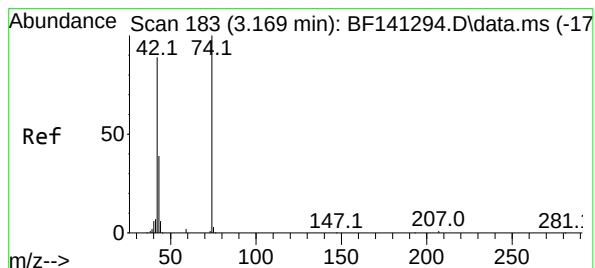
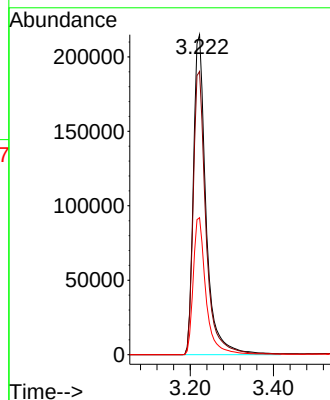
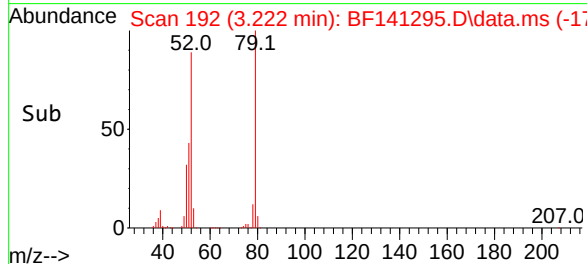
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



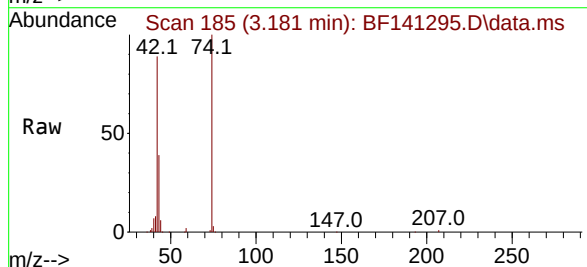
Tgt Ion: 79 Resp: 455300
Ion Ratio Lower Upper
79 100
52 88.5 70.3 105.5
51 42.8 34.3 51.5

Manual Integrations
APPROVED

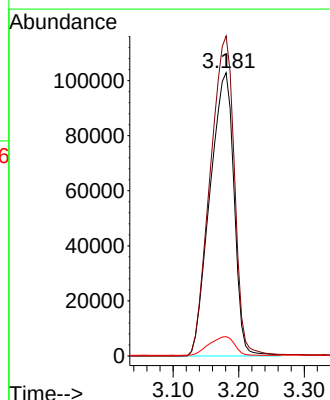
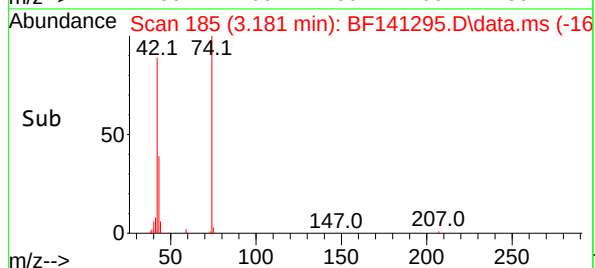
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

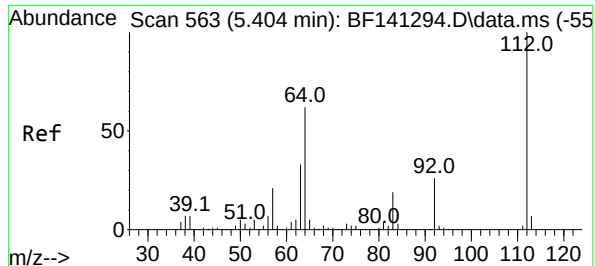


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



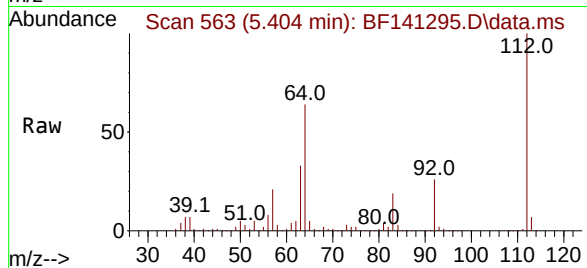
Tgt Ion: 42 Resp: 262086
Ion Ratio Lower Upper
42 100
74 113.0 90.3 135.5
44 6.8 5.7 8.5





#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

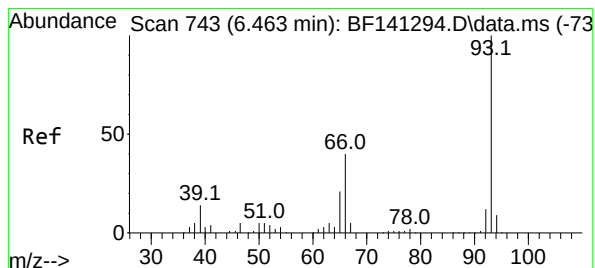
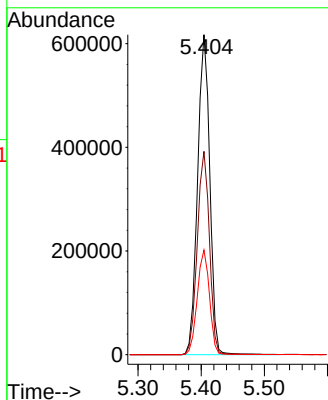
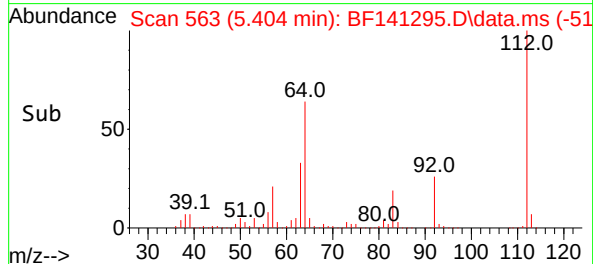
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 827672
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 32.7 26.1 39.1

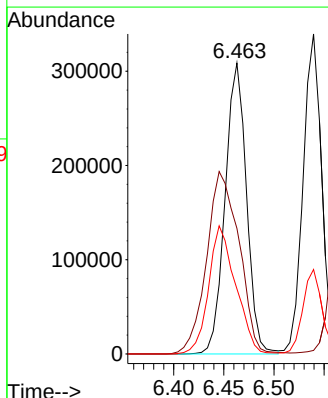
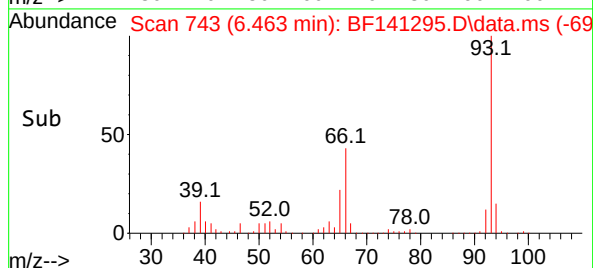
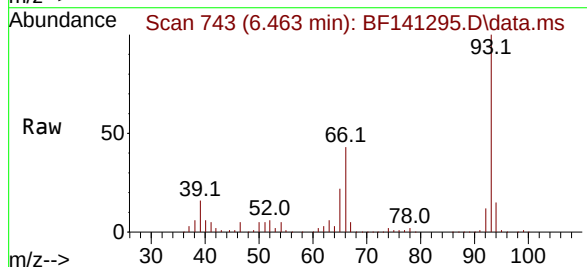
Manual Integrations
APPROVED

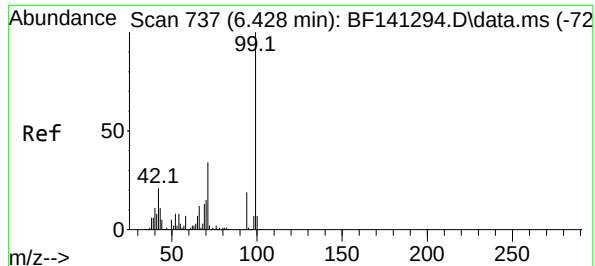
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

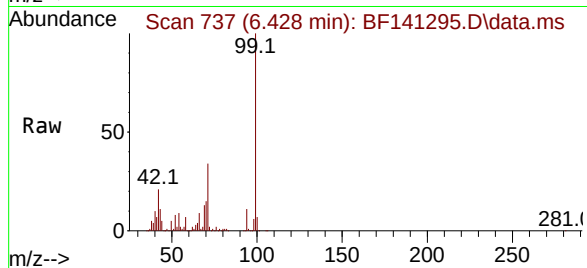
Tgt Ion: 93 Resp: 458390
Ion Ratio Lower Upper
93 100
66 43.2 32.5 48.7
65 22.4 17.0 25.6





#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

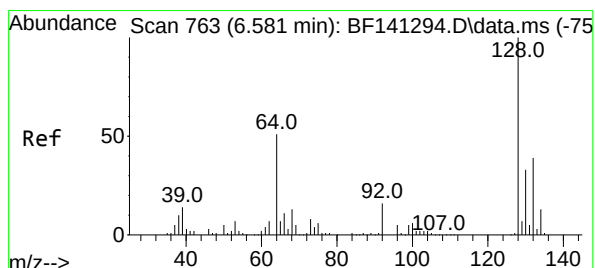
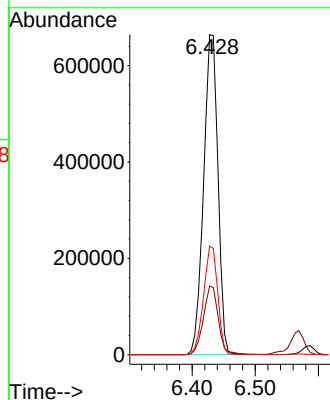
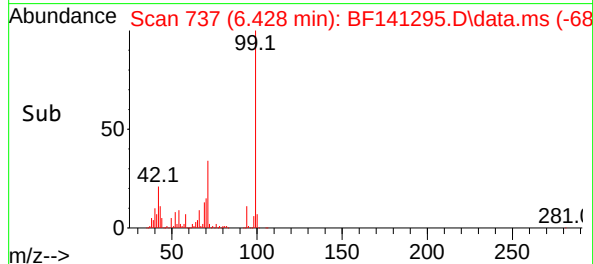
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 105238
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.9 26.9 40.3

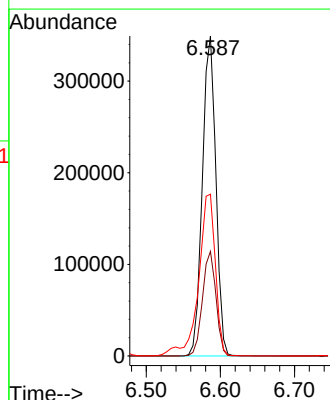
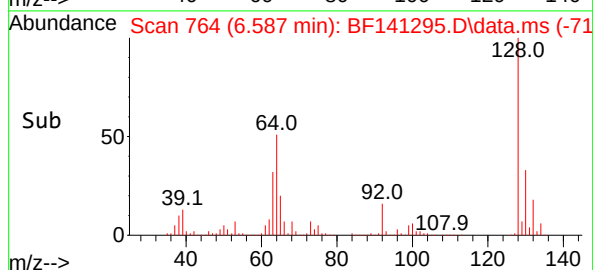
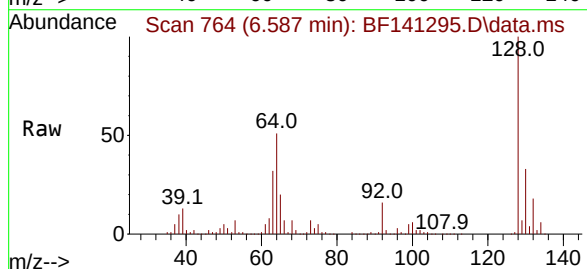
Manual Integrations
APPROVED

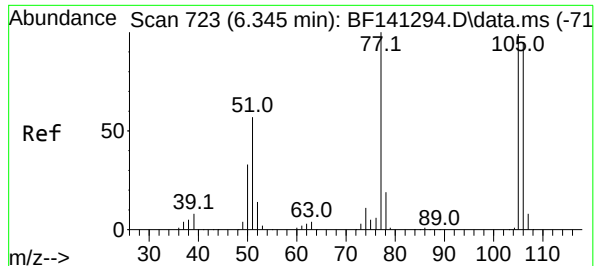
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 50.5 32.9 72.9





#9

Benzaldehyde

Concen: 44.996 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 281320

Ion Ratio Lower Upper

77 100

105 100.8 79.4 119.4

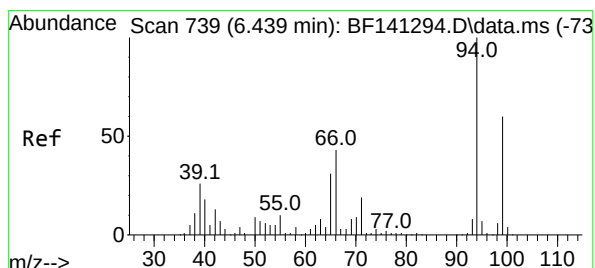
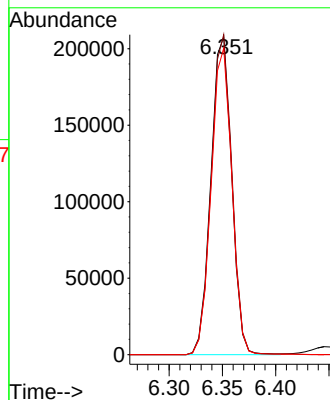
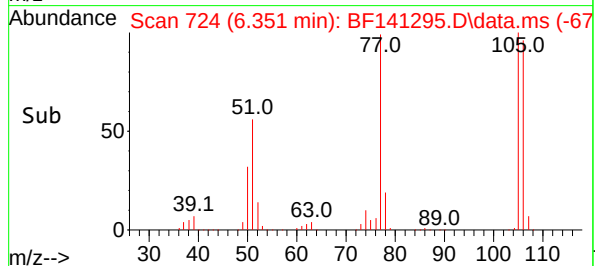
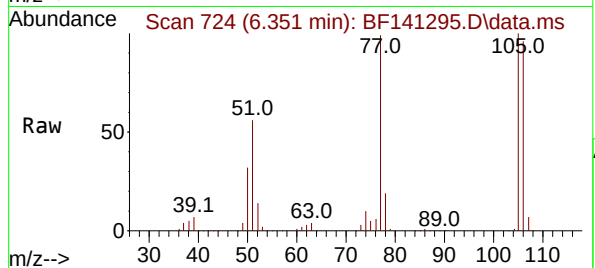
106 96.5 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 48.628 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

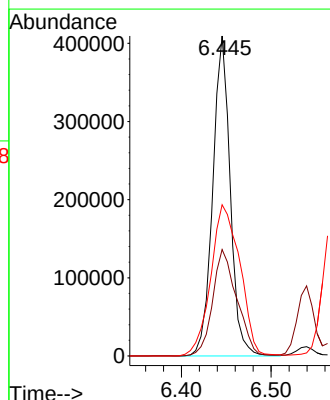
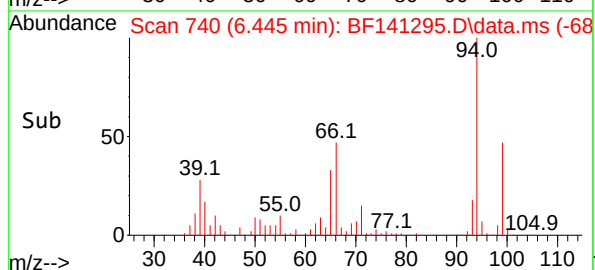
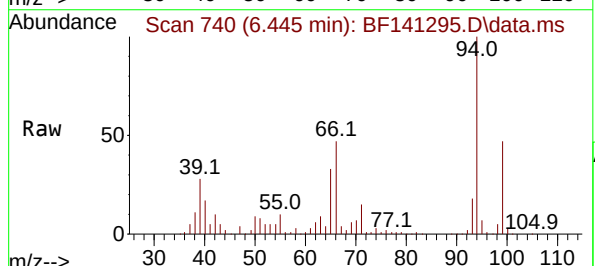
Tgt Ion: 94 Resp: 553844

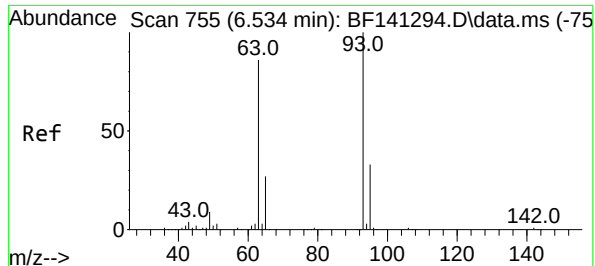
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 47.3 23.3 63.3





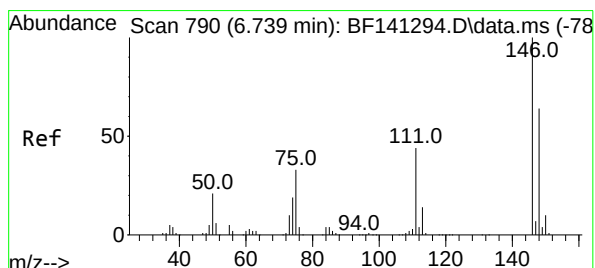
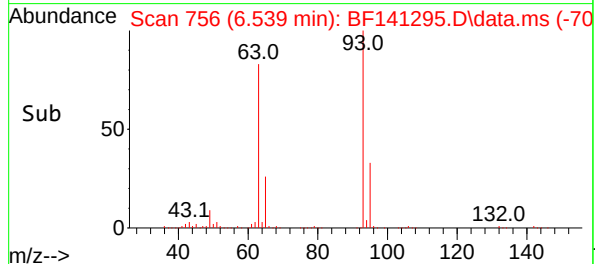
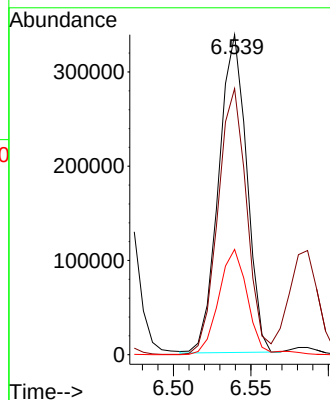
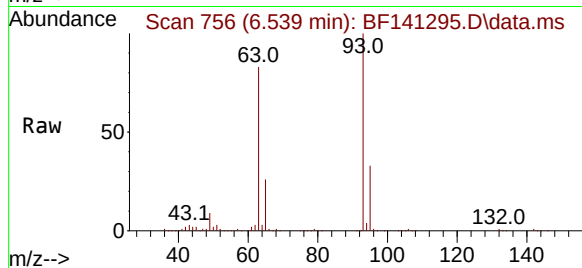
#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 424244
Ion Ratio Lower Upper
93 100
63 83.2 65.0 105.0
95 32.9 12.4 52.4

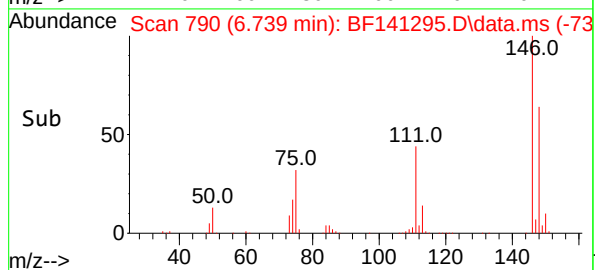
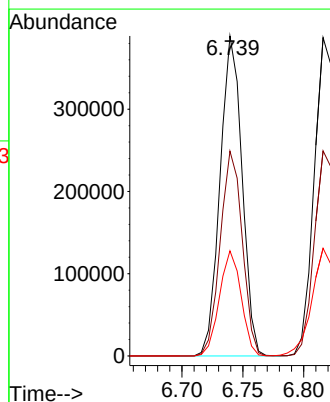
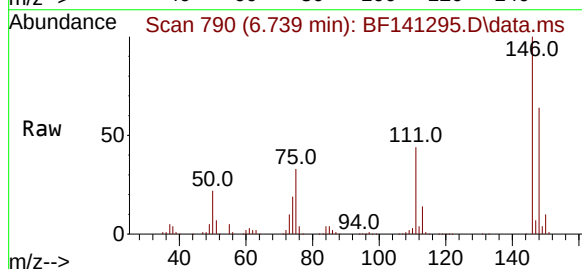
Manual Integrations
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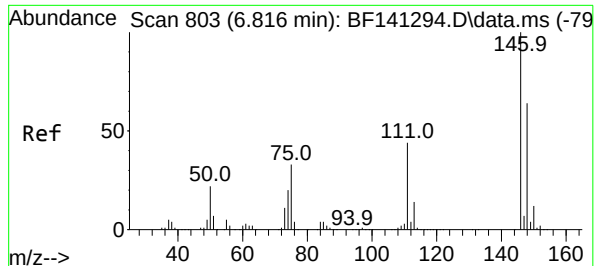
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 48.671 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:146 Resp: 490392

Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

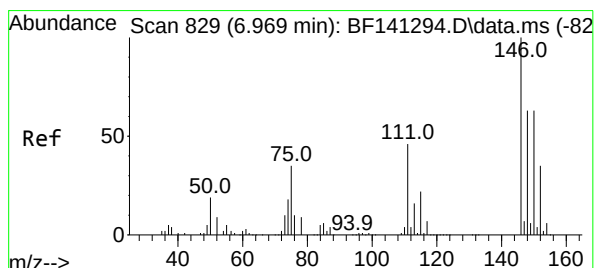
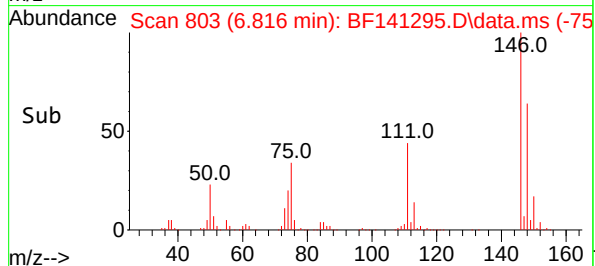
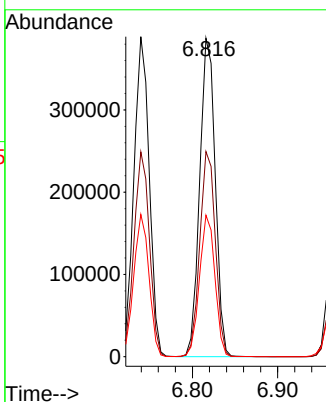
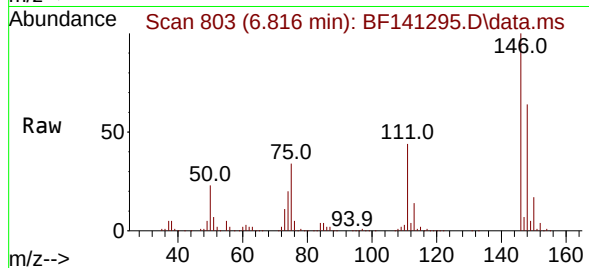
111 44.4 35.0 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 48.279 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

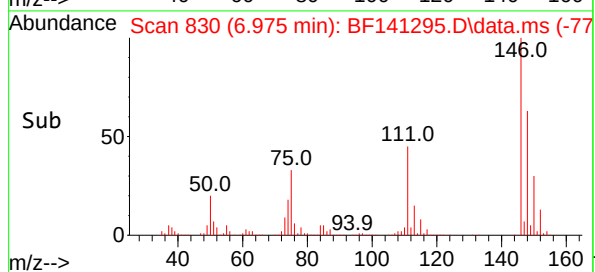
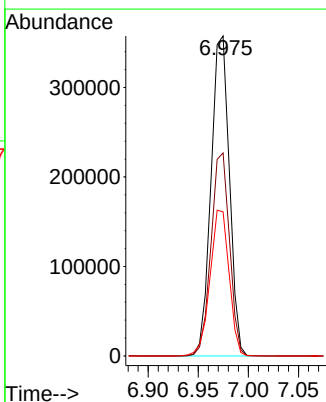
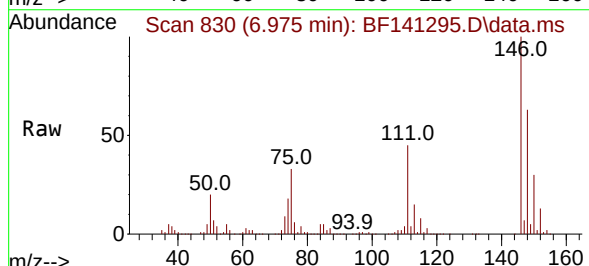
Tgt Ion:146 Resp: 454569

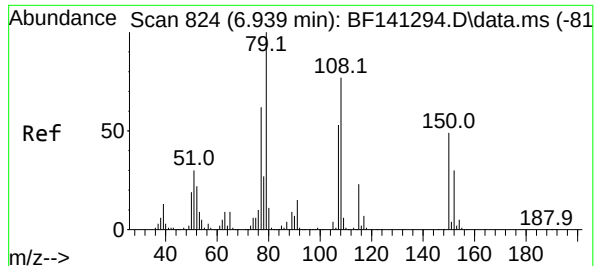
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

111 45.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 50.480 ng

RT: 6.939 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 371274

Ion Ratio Lower Upper

79 100

108 76.2 61.4 92.0

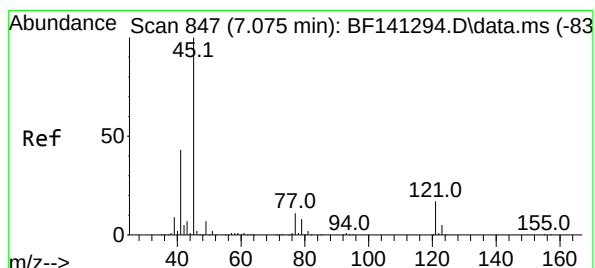
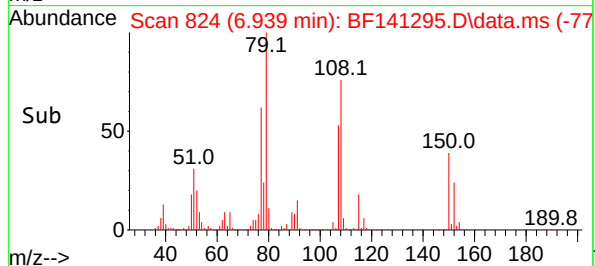
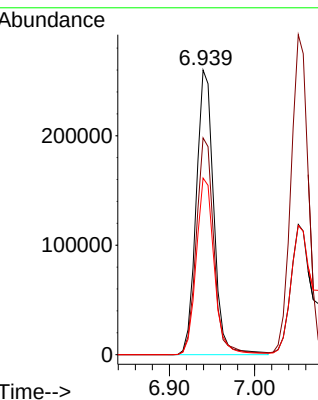
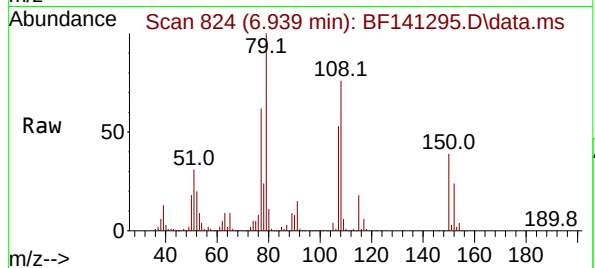
77 62.1 49.9 74.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.280 ng

RT: 7.081 min Scan# 848

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

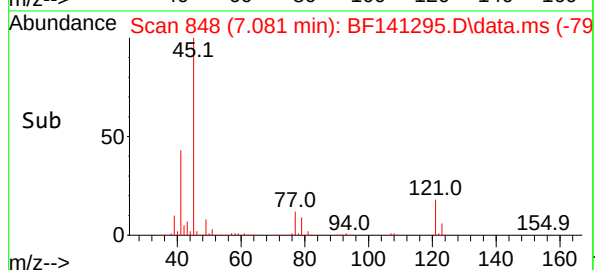
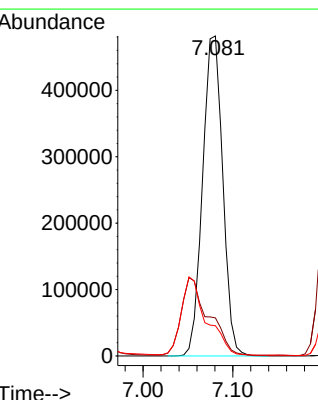
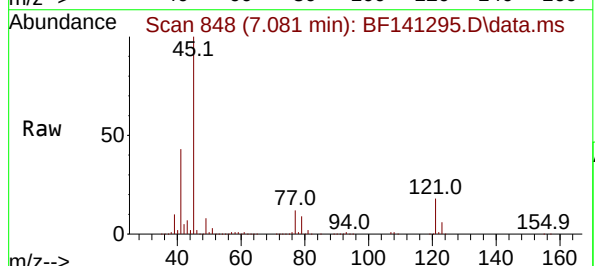
Tgt Ion: 45 Resp: 749938

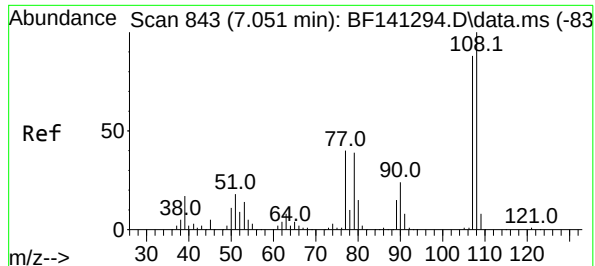
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.8

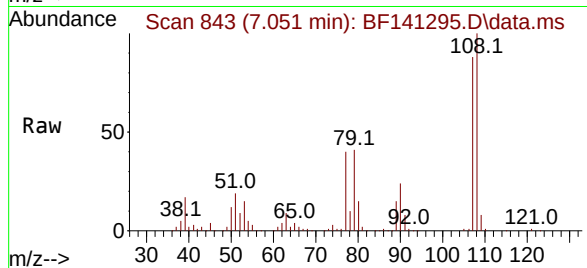
79 9.5 0.0 29.1





#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

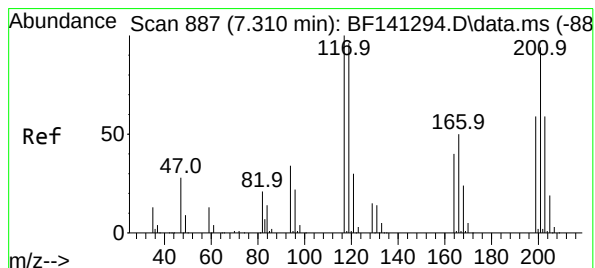
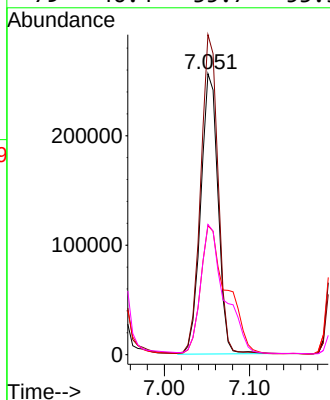
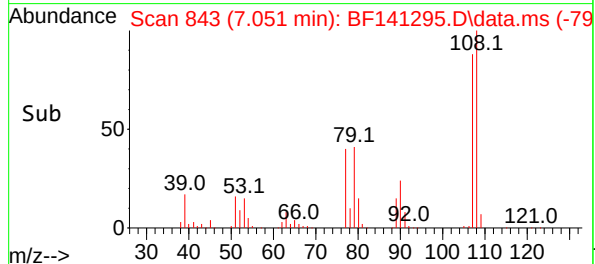
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



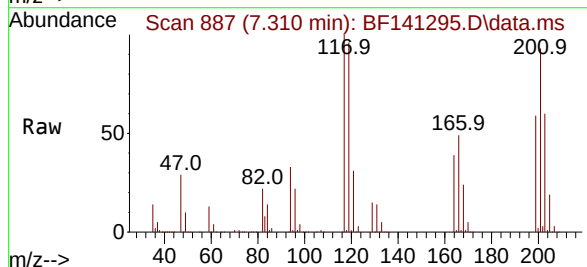
Tgt Ion:107 Resp: 361469
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 46.0 36.2 54.4
79 46.4 35.7 53.5

Manual Integrations
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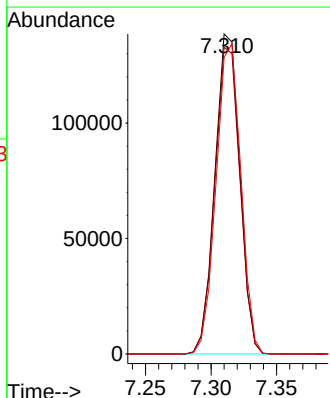
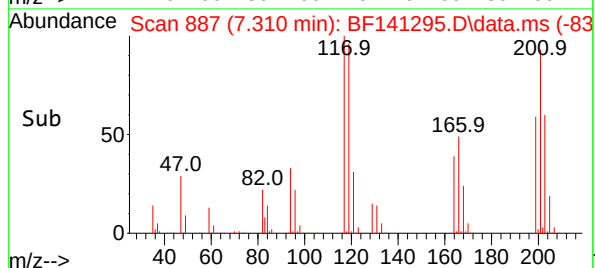
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

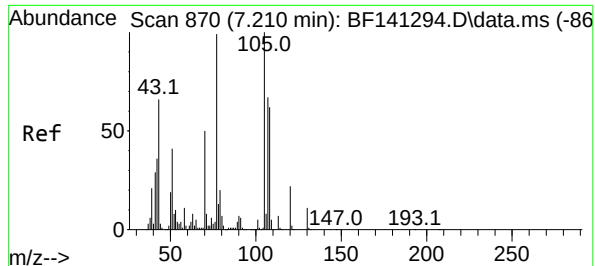


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:117 Resp: 182933
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 92.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.753 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141295.D

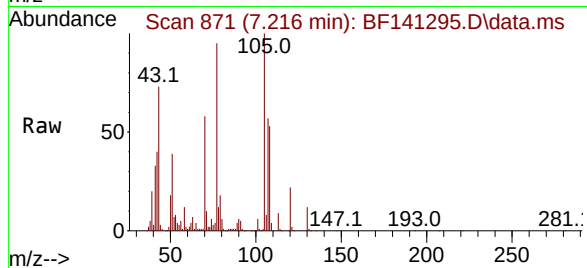
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 305749

Ion Ratio Lower Upper

70 100

42 69.2 56.8 85.2

101 9.7 7.7 11.5

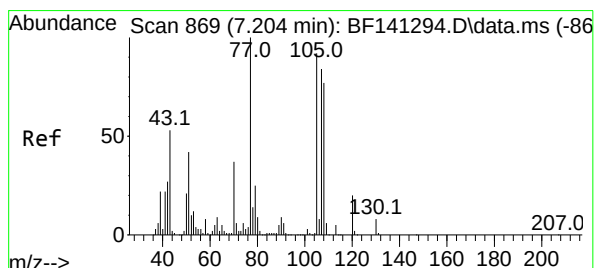
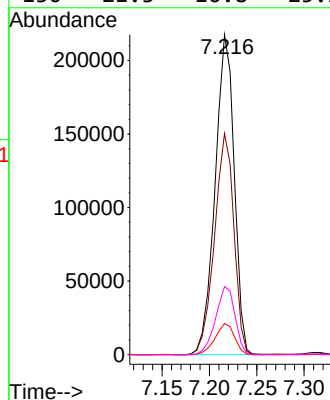
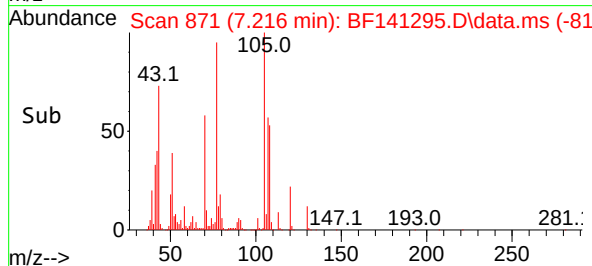
130 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

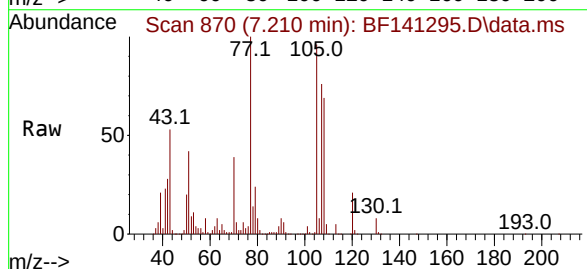
Concen: 48.143 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:107 Resp: 434743

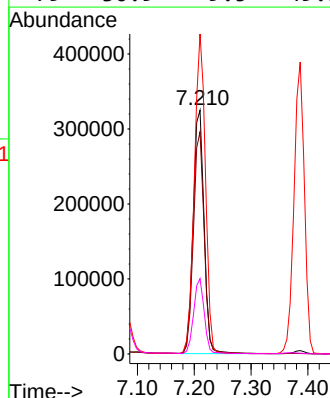
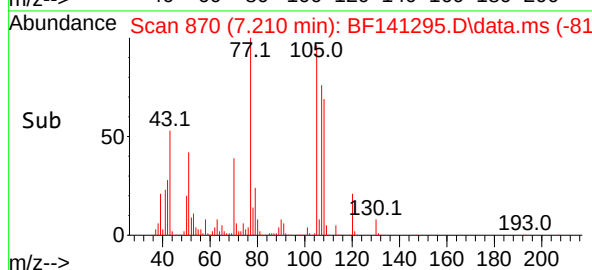
Ion Ratio Lower Upper

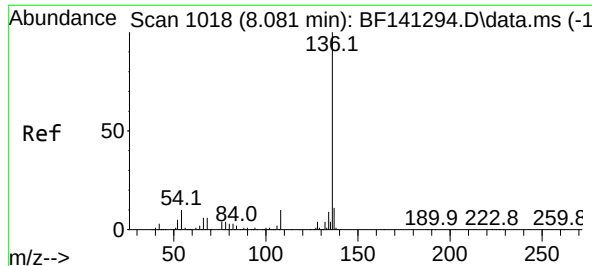
107 100

108 91.2 70.9 110.9

77 131.3 98.5 138.5

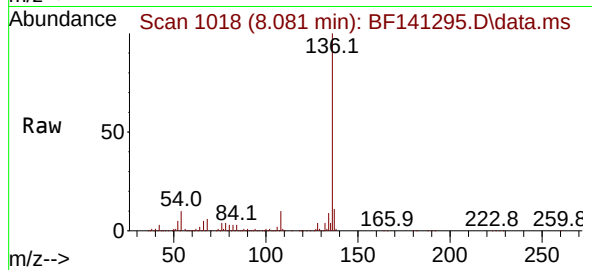
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

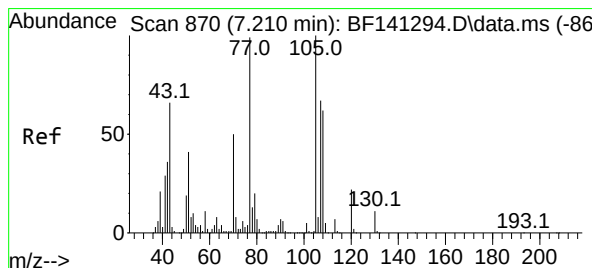
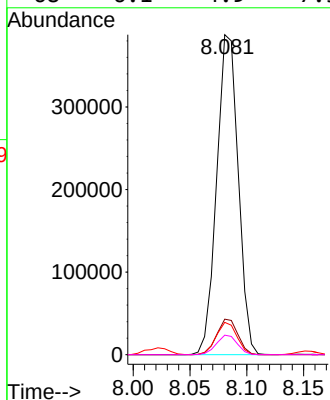
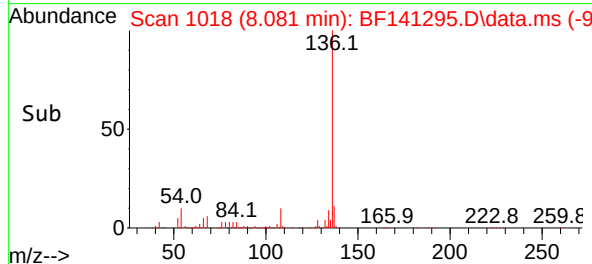
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 51184
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.1 7.8 11.8
68 6.1 4.9 7.3

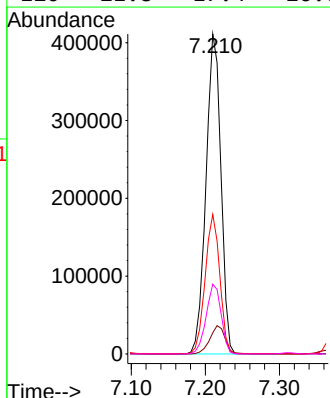
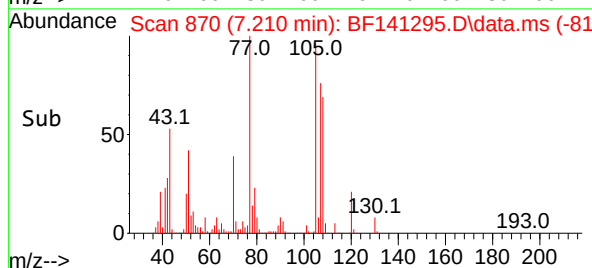
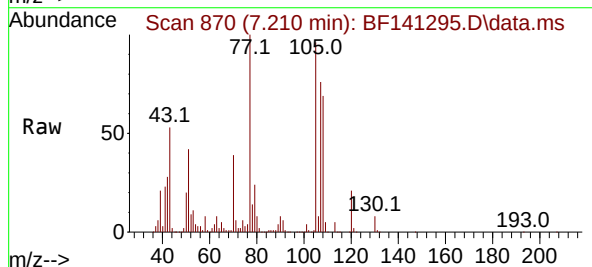
Manual Integrations
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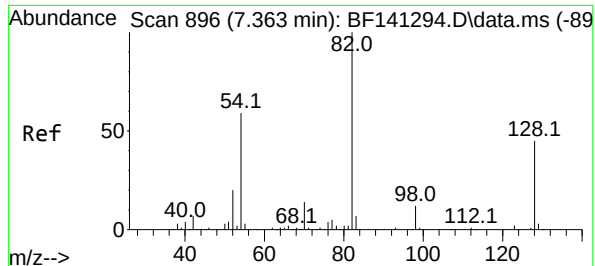
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700
Ion Ratio Lower Upper
105 100
71 6.6 6.8 10.2#
51 43.6 32.6 49.0
120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 98.761 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 95536

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

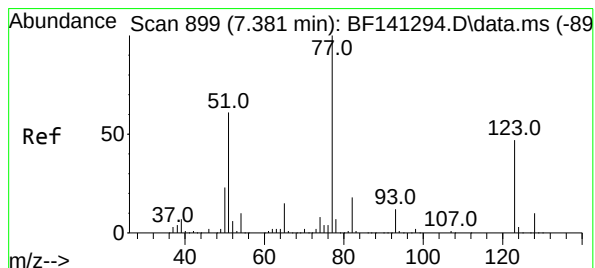
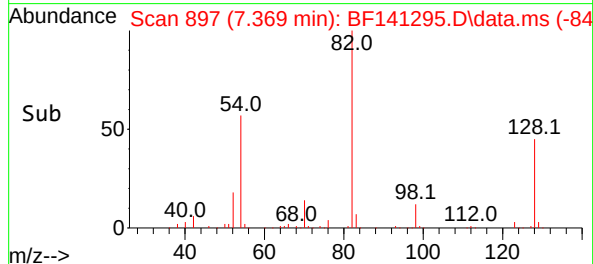
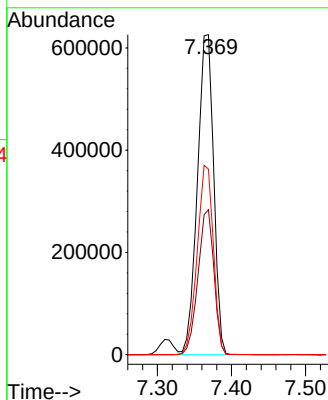
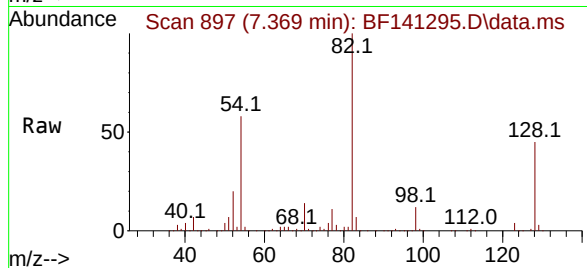
54 58.0 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 49.046 ng

RT: 7.386 min Scan# 900

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

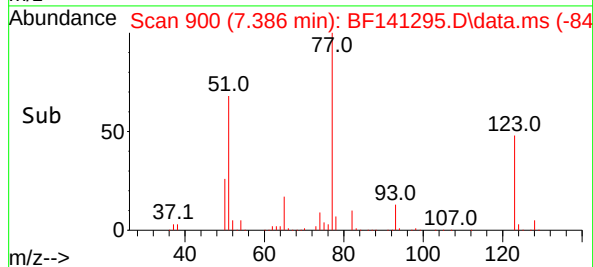
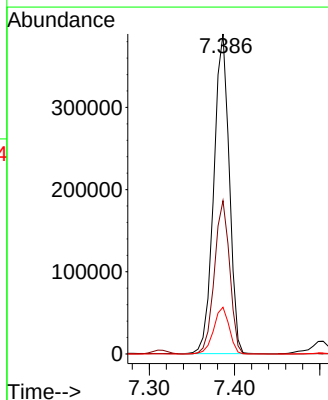
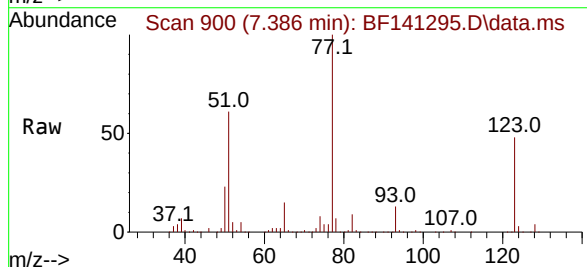
Tgt Ion: 77 Resp: 492082

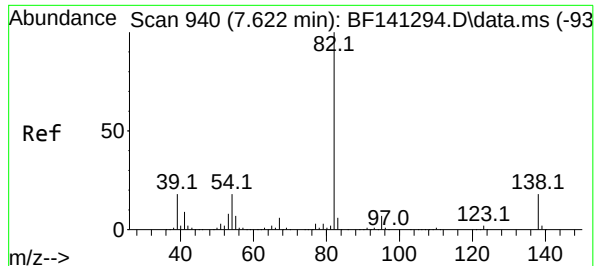
Ion Ratio Lower Upper

77 100

123 47.9 37.3 55.9

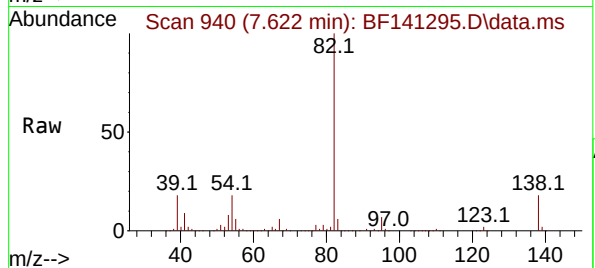
65 14.6 11.8 17.6





#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

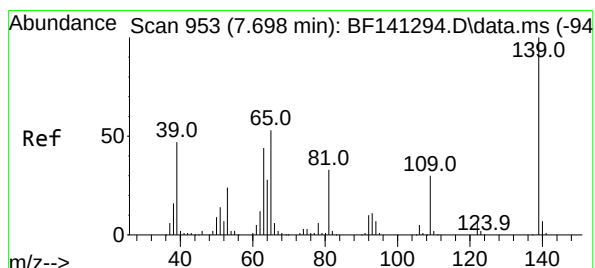
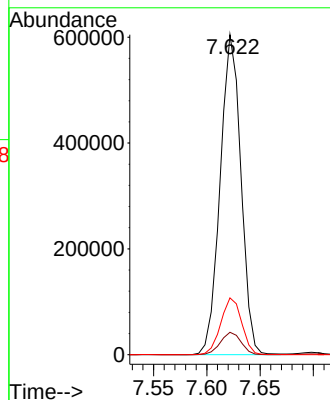
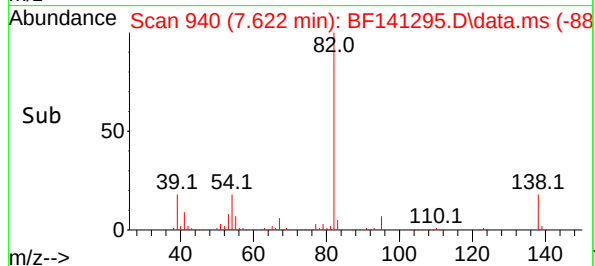
Instrument :
BNA_F
Client Sample Id :
SSTDICC050



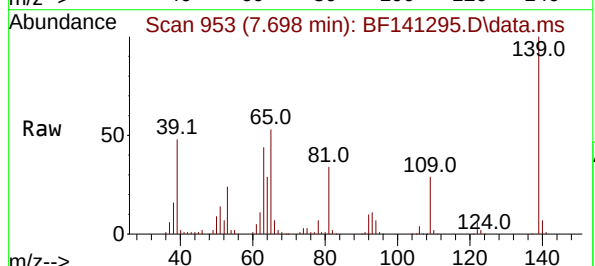
Tgt Ion: 82 Resp: 818490
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 17.7 14.7 22.1

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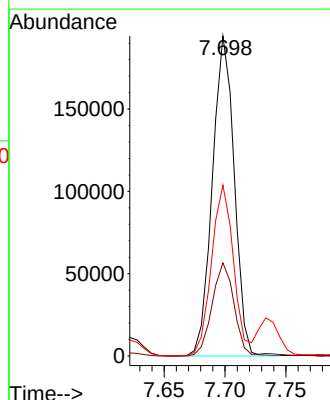
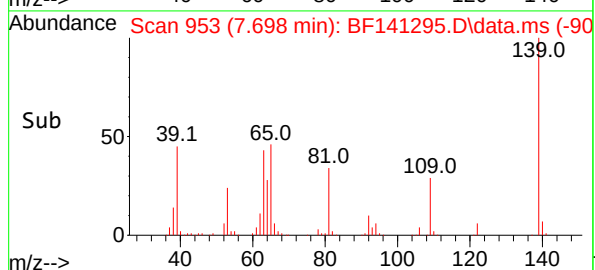
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

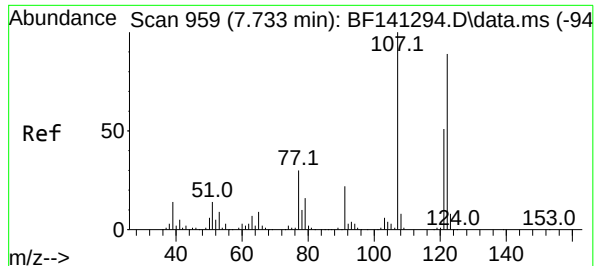


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:139 Resp: 242228
Ion Ratio Lower Upper
139 100
109 29.1 23.8 35.6
65 53.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.969 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 300079

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

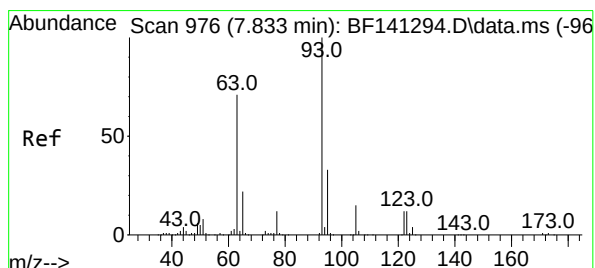
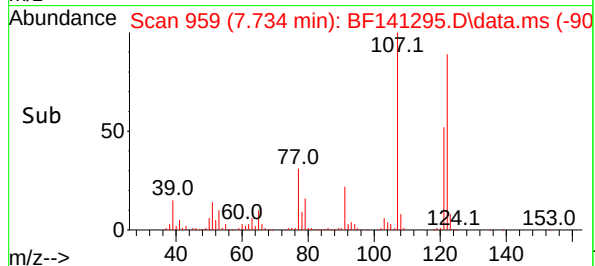
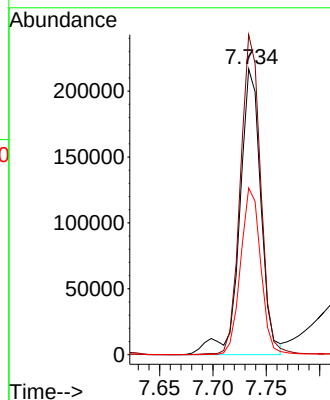
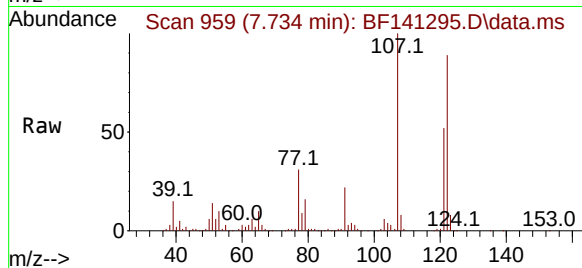
121 58.3 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.701 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

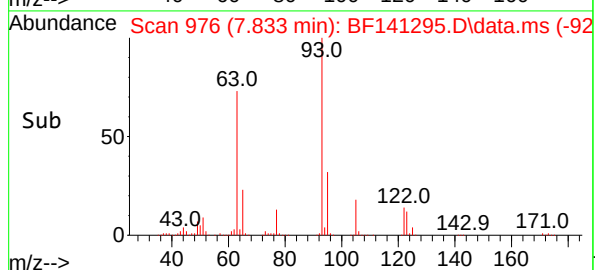
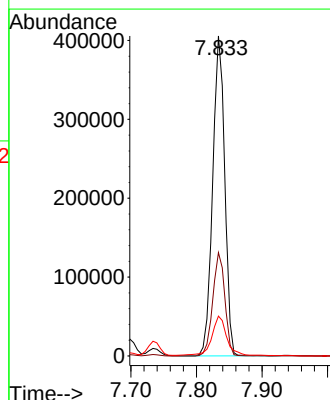
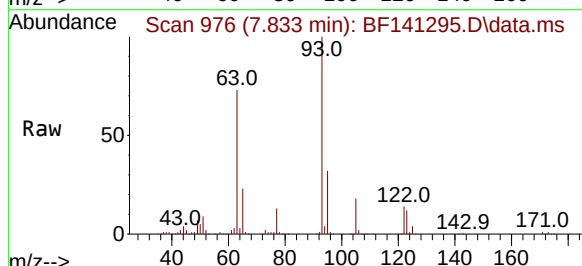
Tgt Ion: 93 Resp: 518825

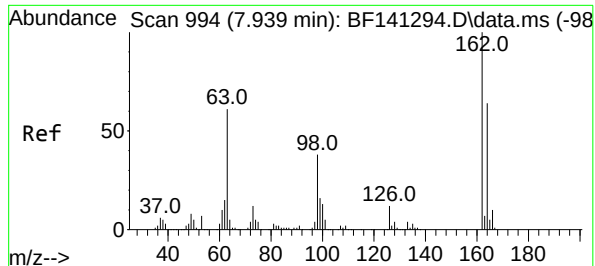
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 363274

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

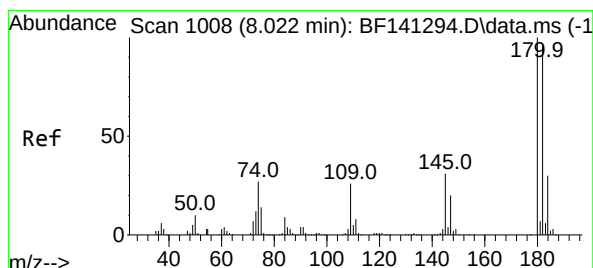
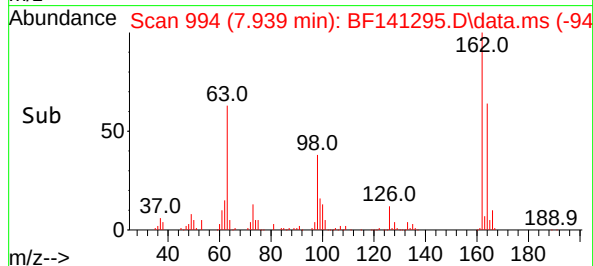
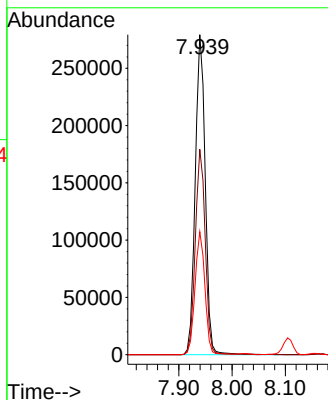
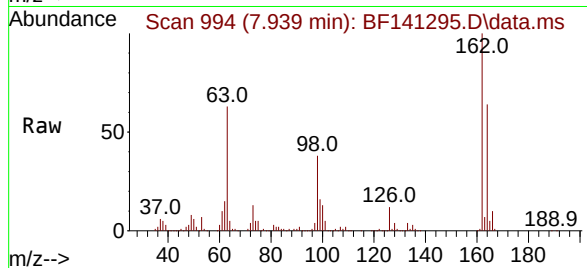
98 38.4 18.2 58.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 48.309 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

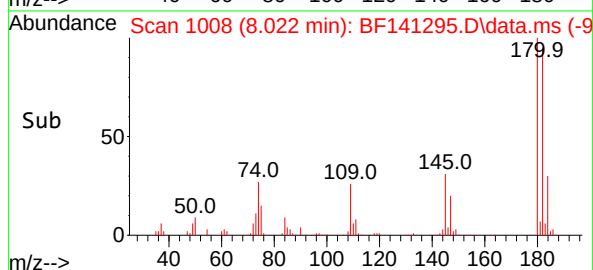
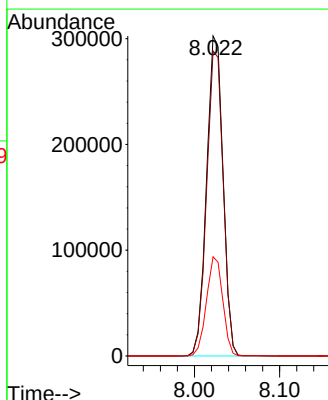
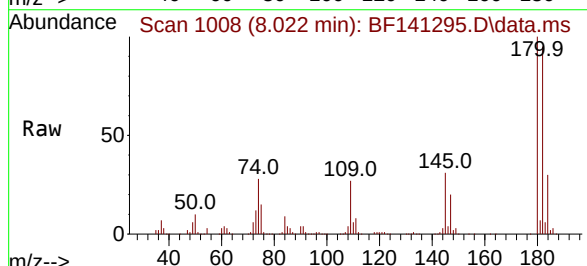
Tgt Ion:180 Resp: 406562

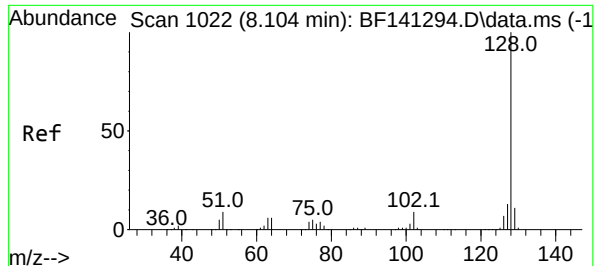
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

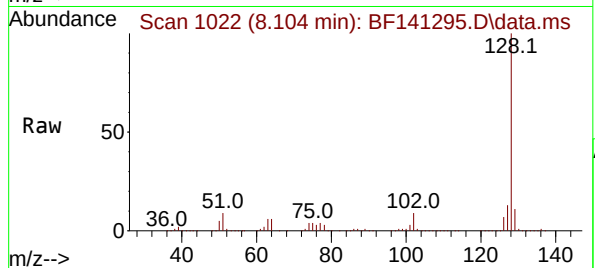
145 31.0 24.9 37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

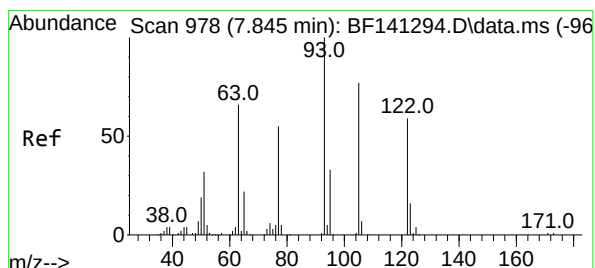
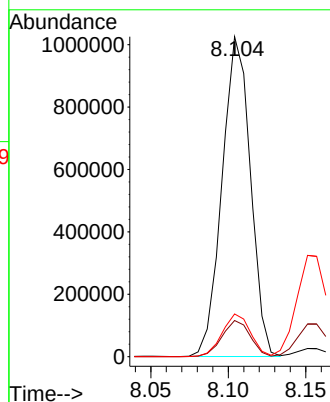
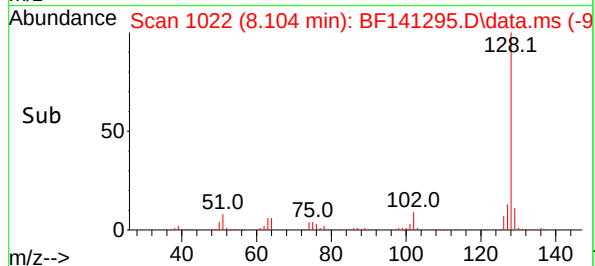
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 130475
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8

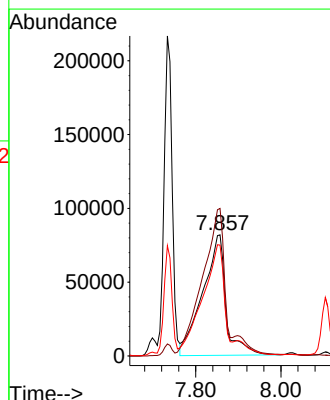
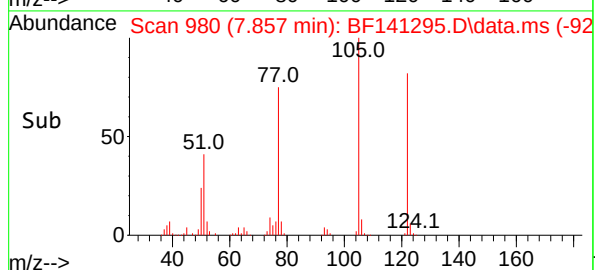
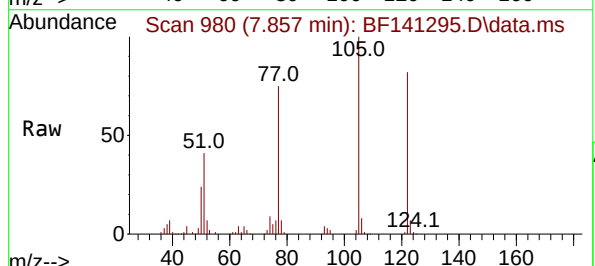
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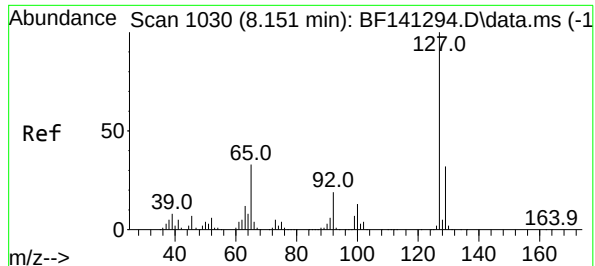
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525
Ion Ratio Lower Upper
122 100
105 121.7 103.4 143.4
77 91.5 70.9 110.9





#33

4-Chloroaniline

Concen: 49.712 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 44954

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 32.6 26.4 39.6

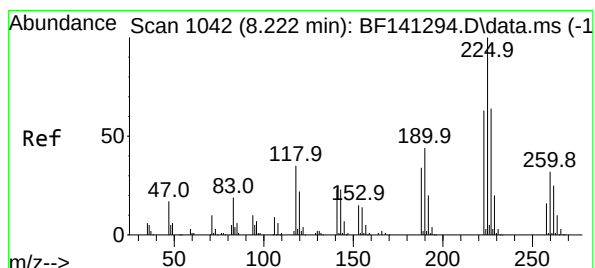
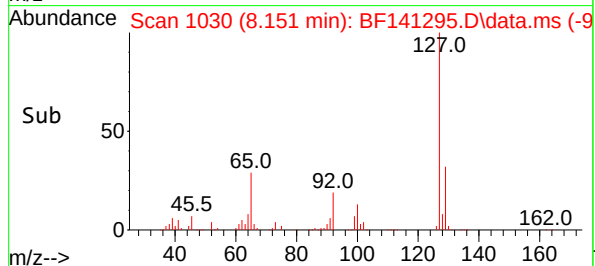
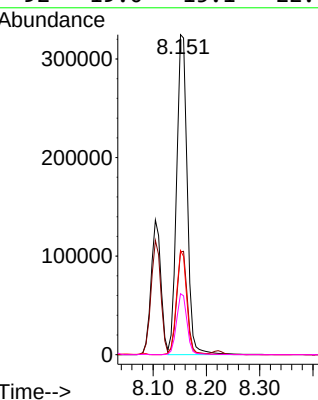
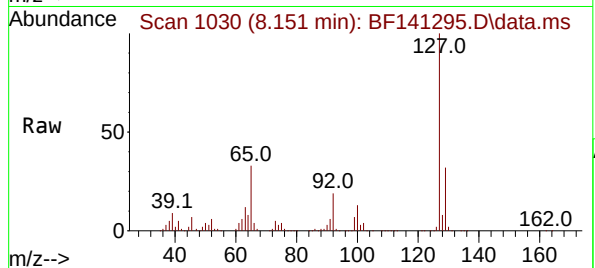
92 19.0 15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 49.395 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

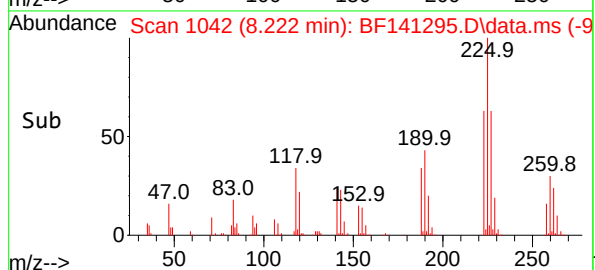
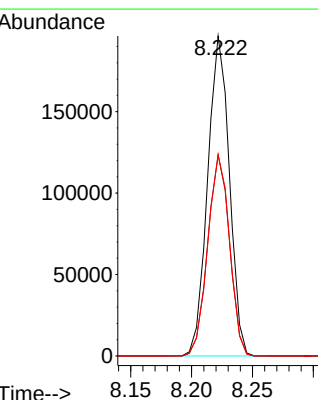
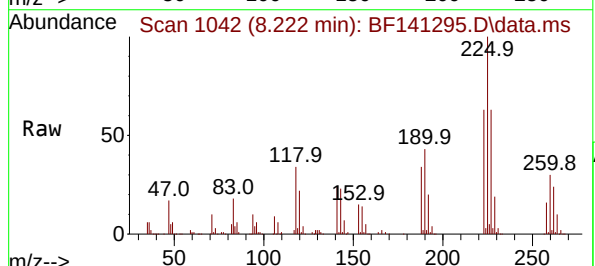
Tgt Ion:225 Resp: 243308

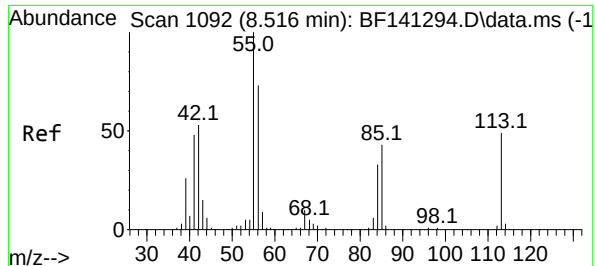
Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

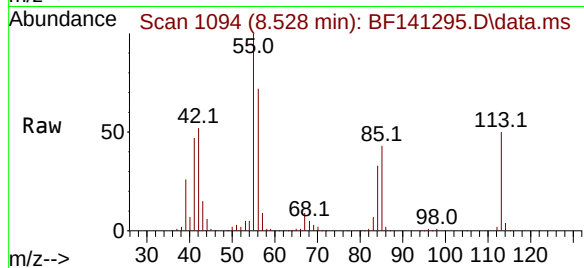
227 62.9 51.3 76.9





#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1094
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

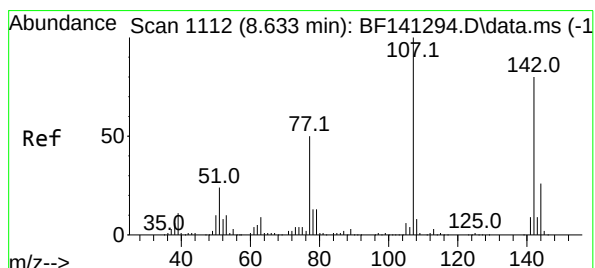
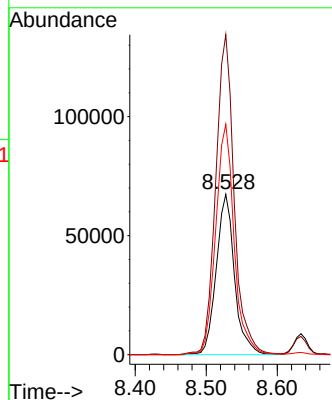
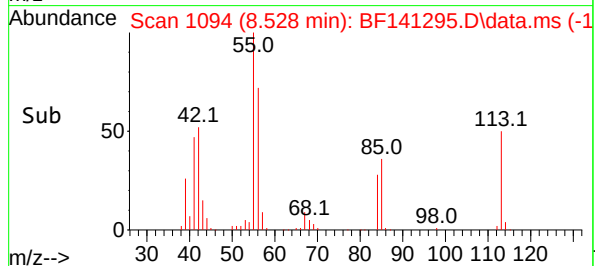
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 120078
Ion Ratio Lower Upper
113 100
55 199.5 182.9 222.9
56 143.7 127.9 167.9

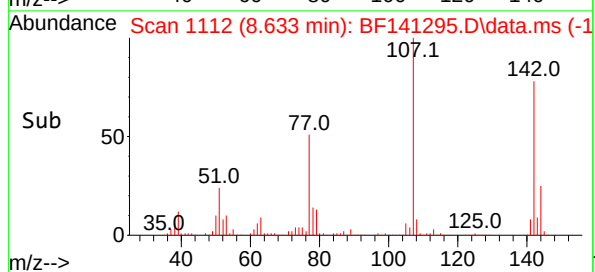
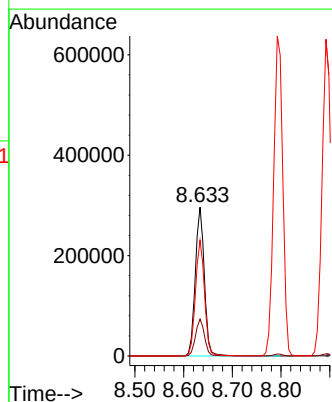
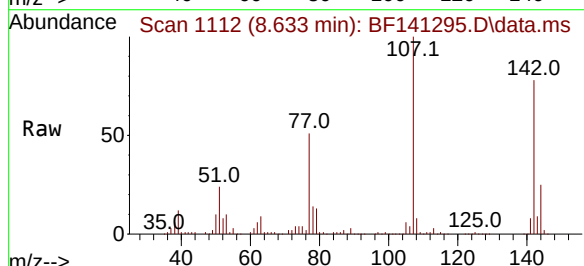
Manual Integrations
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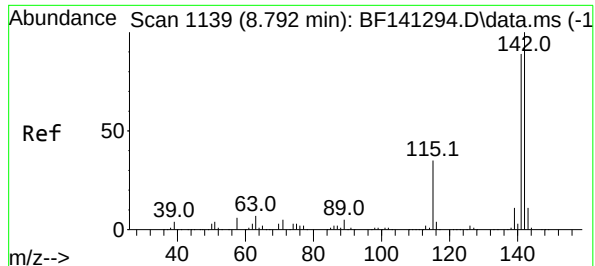
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

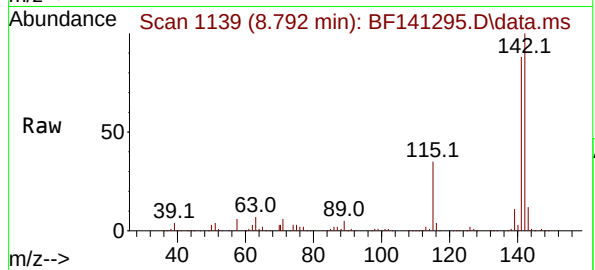
Tgt Ion:107 Resp: 385683
Ion Ratio Lower Upper
107 100
144 24.8 20.7 31.1
142 77.7 63.8 95.8





#37
2-Methylnaphthalene
Concen: 48.006 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

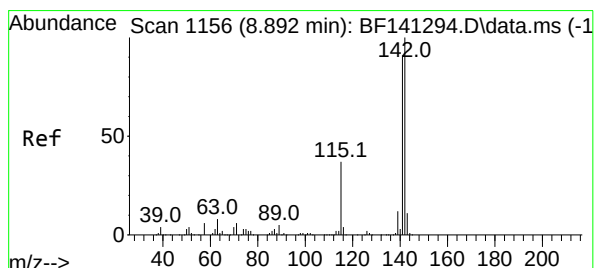
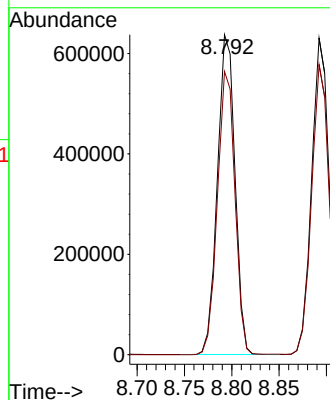
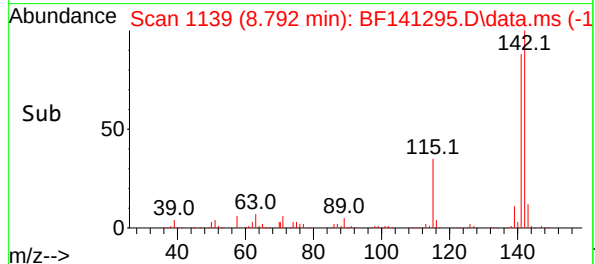
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 822986
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9

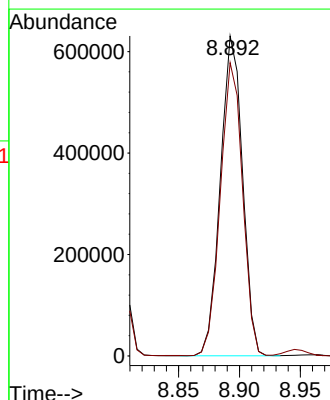
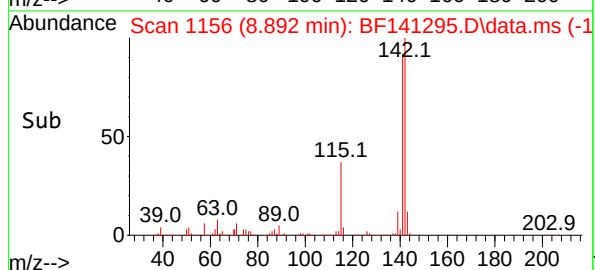
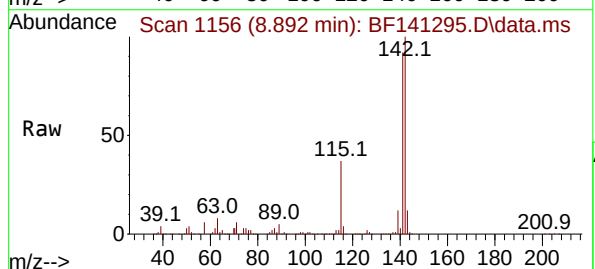
Manual Integrations
APPROVED

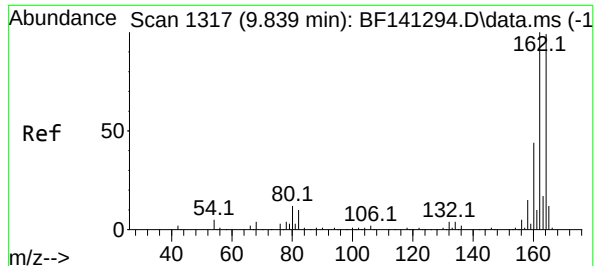
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136
Ion Ratio Lower Upper
142 100
141 91.6 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141295.D

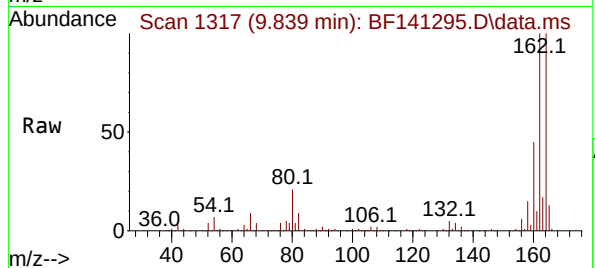
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:164 Resp: 269662

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

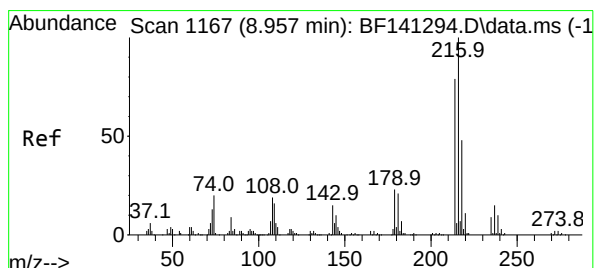
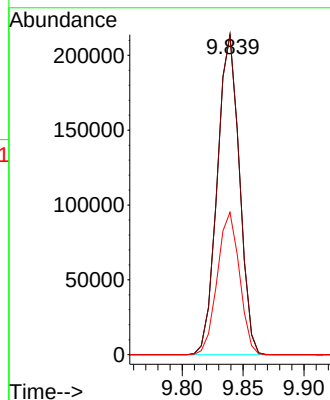
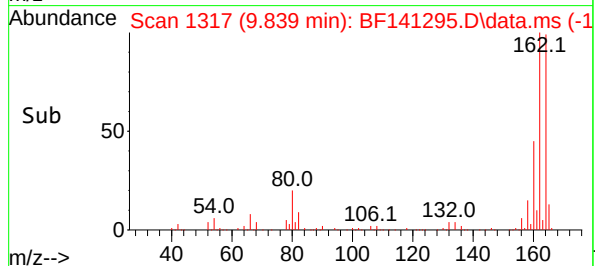
160 44.5 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

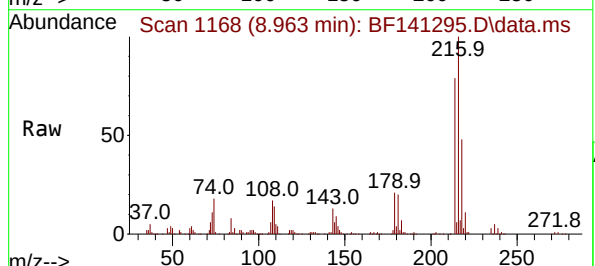
Concen: 48.774 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:216 Resp: 373963

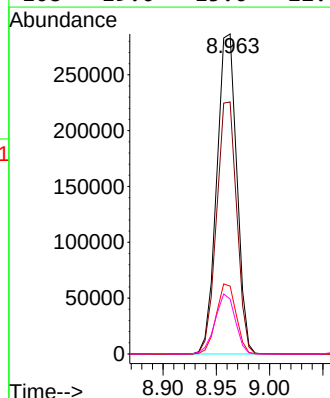
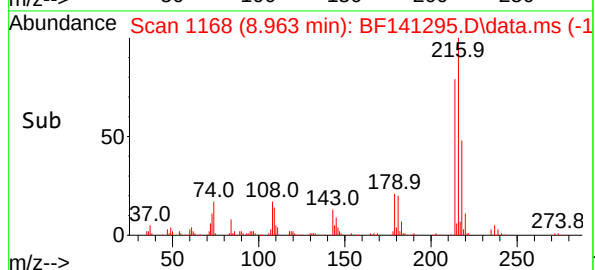
Ion Ratio Lower Upper

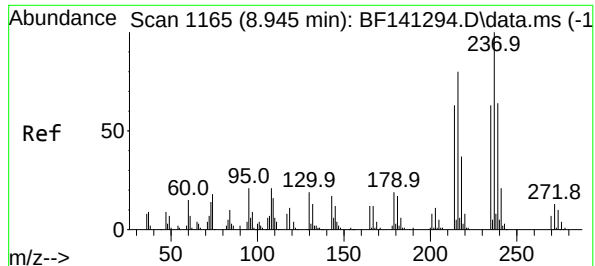
216 100

214 79.0 63.2 94.8

179 21.7 17.8 26.8

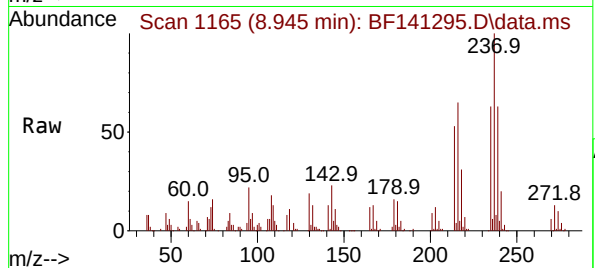
108 19.0 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

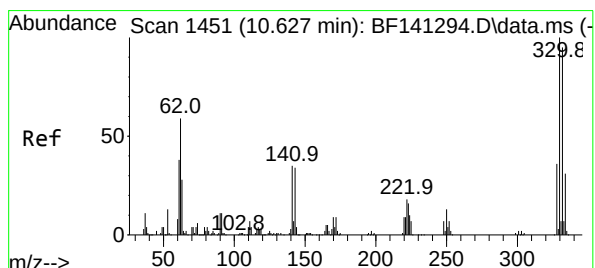
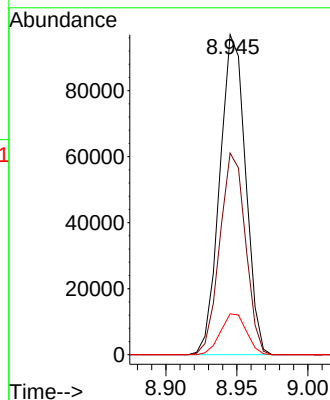
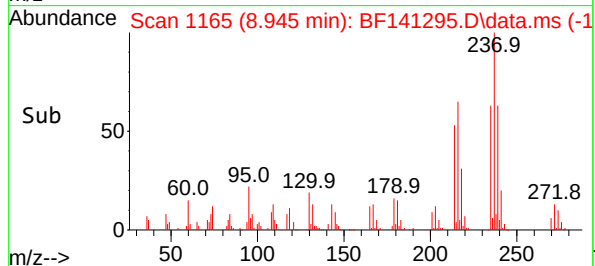
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



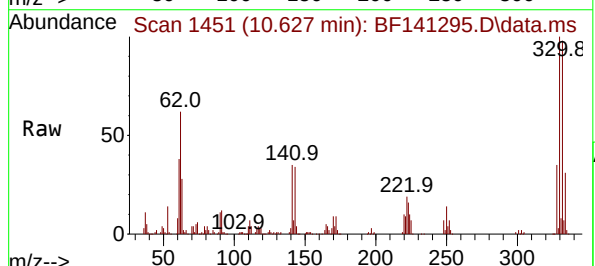
Tgt Ion: 237 Resp: 122470
Ion Ratio Lower Upper
237 100
235 63.0 42.9 82.9
272 12.7 0.0 32.8

Manual Integrations
APPROVED

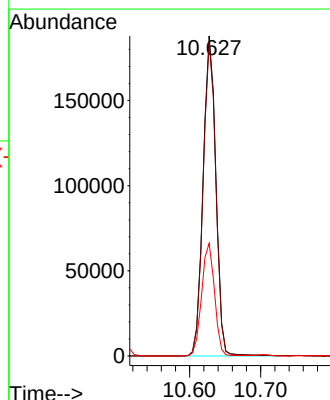
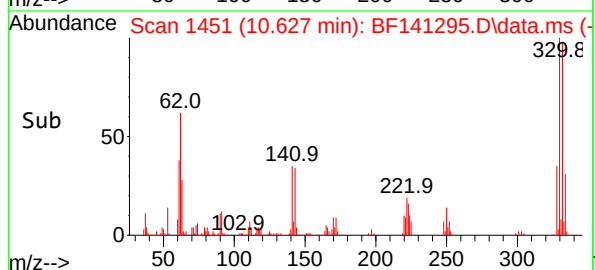
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

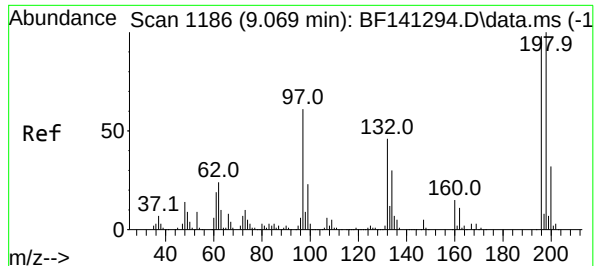


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion: 330 Resp: 235884
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 35.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 50.545 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141295.D

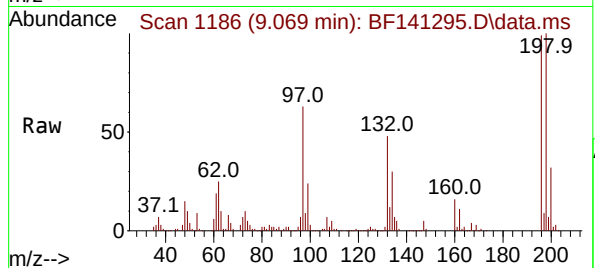
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 252974

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

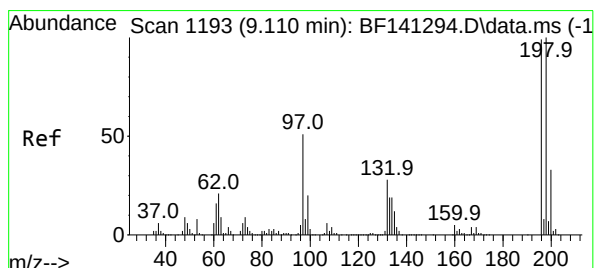
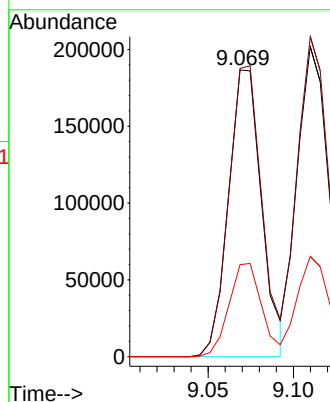
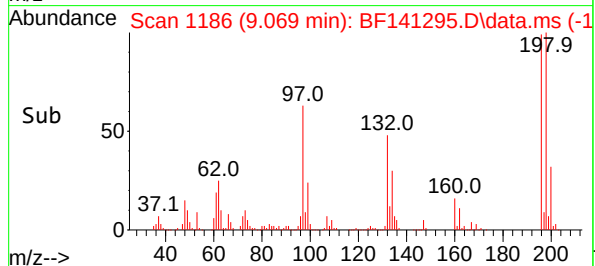
200 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

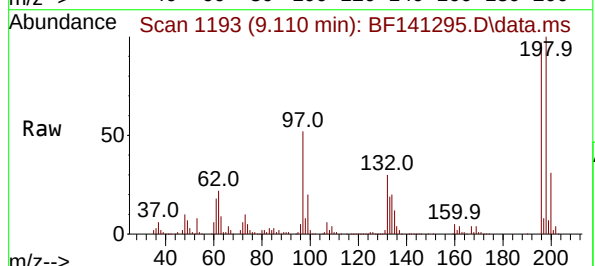
Concen: 48.438 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:196 Resp: 263745

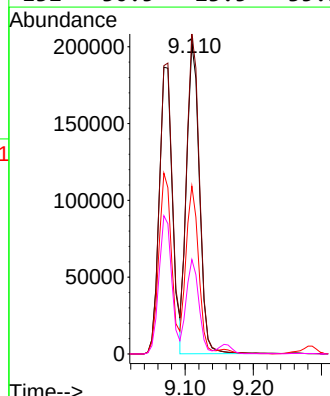
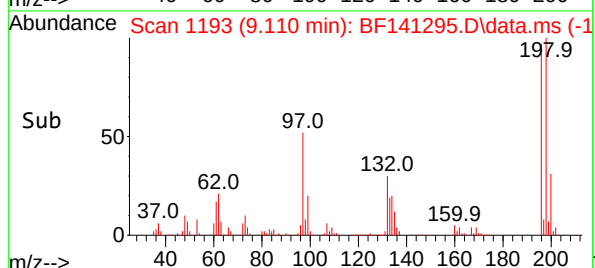
Ion Ratio Lower Upper

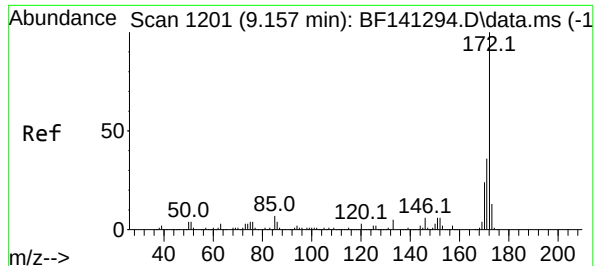
196 100

198 103.2 80.5 120.7

97 54.1 42.8 64.2

132 30.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 92.721 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 1620825

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

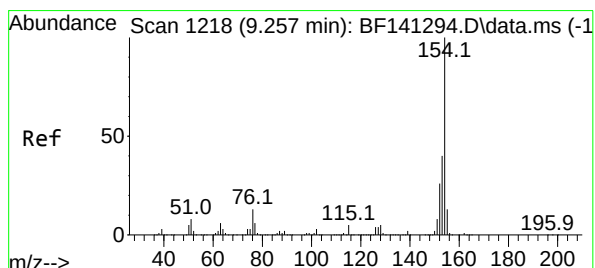
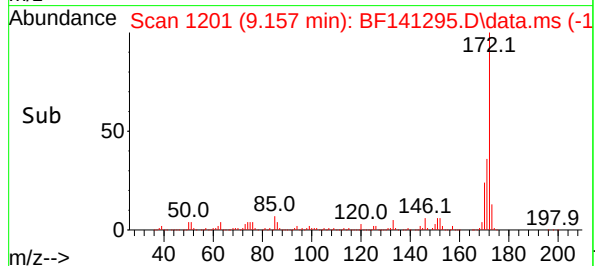
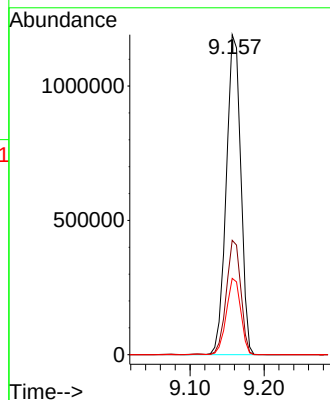
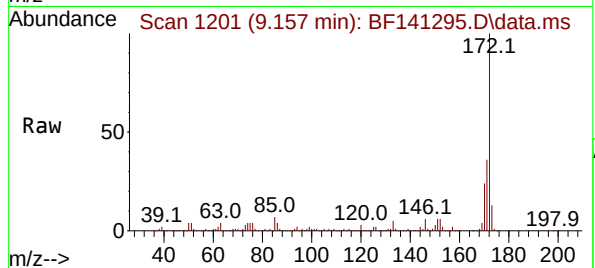
170 23.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 47.808 ng

RT: 9.263 min Scan# 1219

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

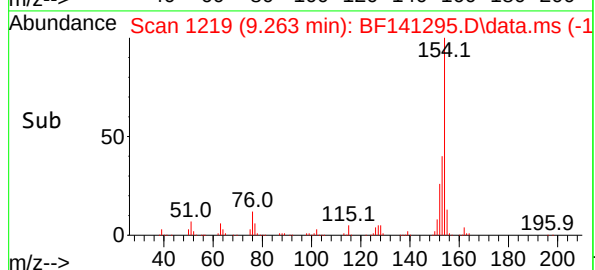
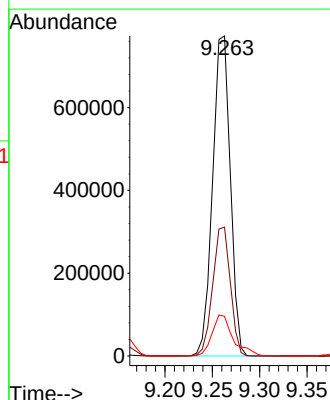
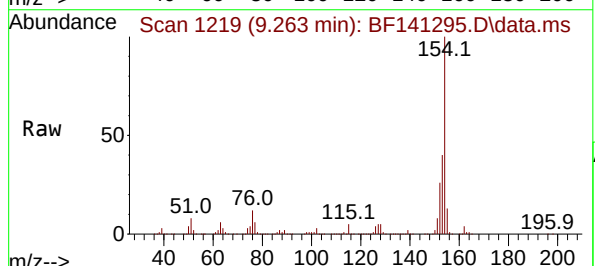
Tgt Ion:154 Resp: 1005774

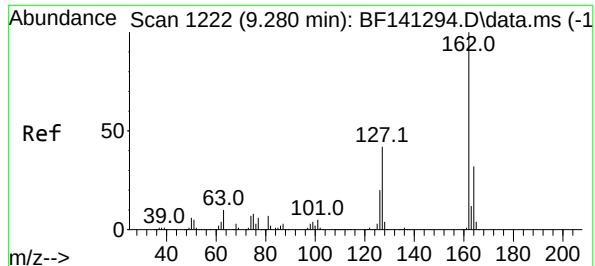
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 47.835 ng

RT: 9.286 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

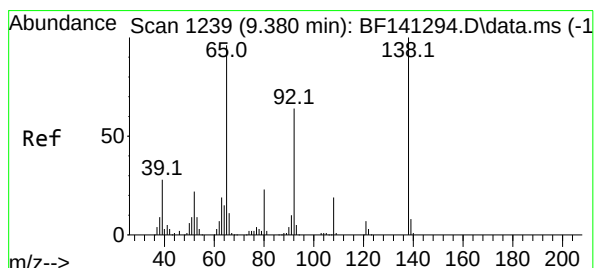
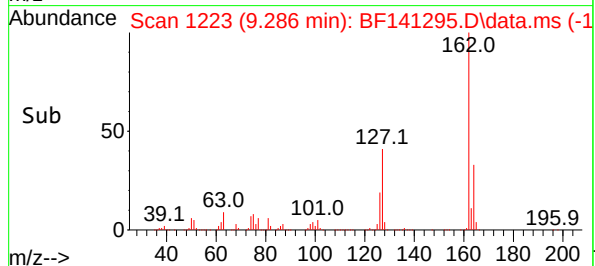
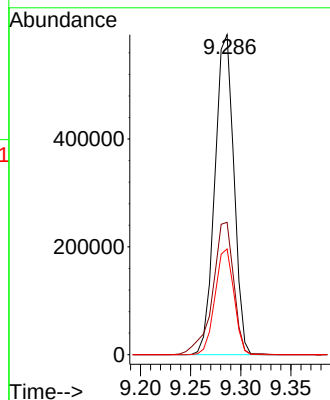
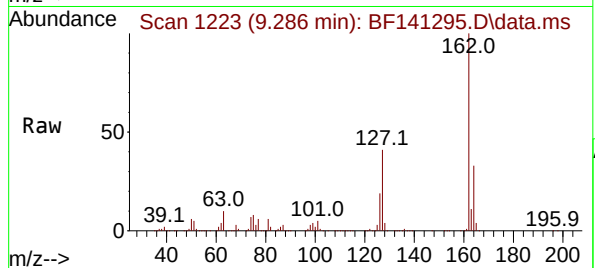
SSTDICC050

Tgt Ion:	162	Resp:	78161
Ion Ratio	Lower	Upper	
162	100		
127	41.3	33.7	50.5
164	33.0	25.9	38.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 49.907 ng

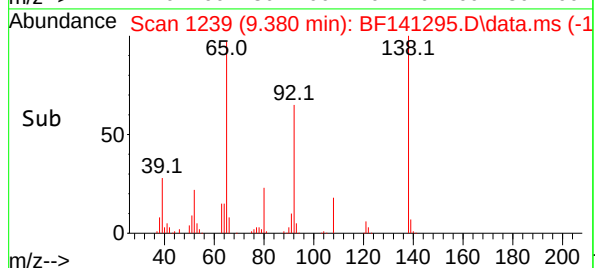
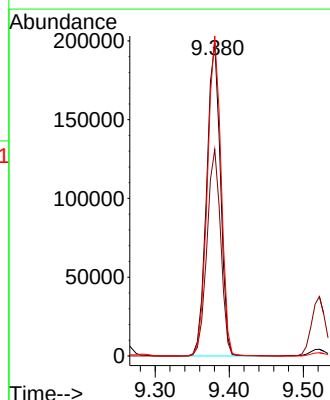
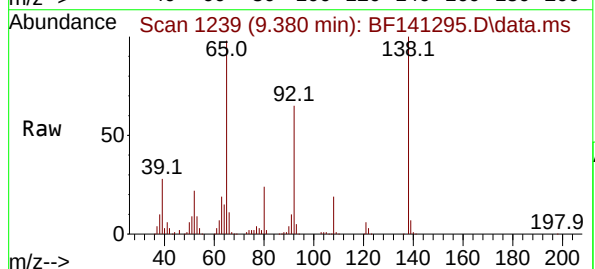
RT: 9.380 min Scan# 1239

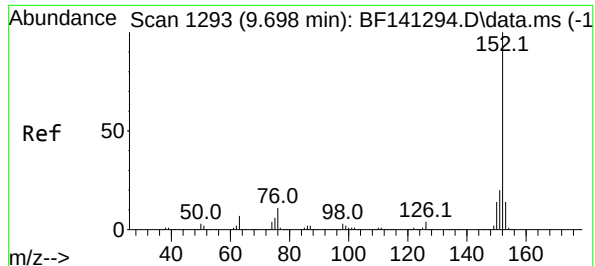
Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:	65	Resp:	257199
Ion Ratio	Lower	Upper	
65	100		
92	66.0	53.3	79.9
138	102.3	83.6	125.4





#49

Acenaphthylene

Concen: 47.595 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 1092234

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

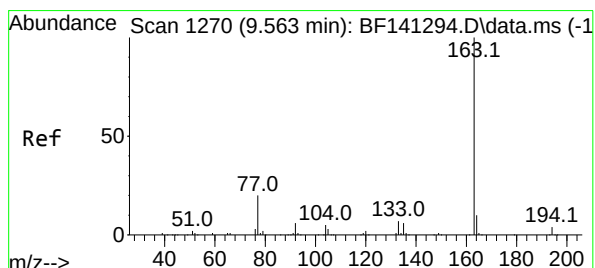
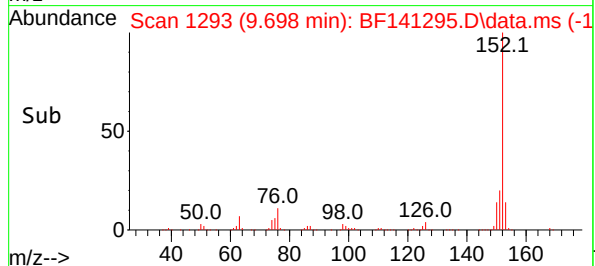
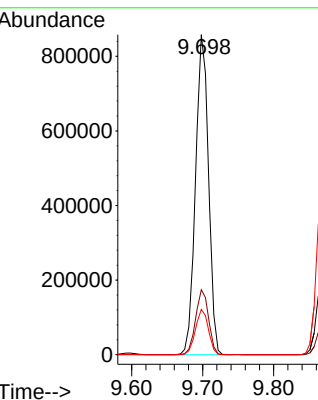
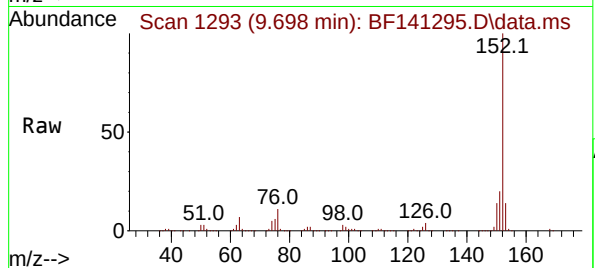
153 14.2 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 48.419 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

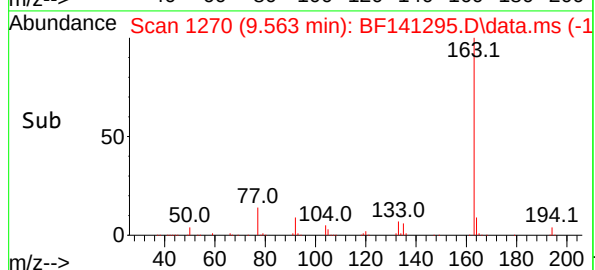
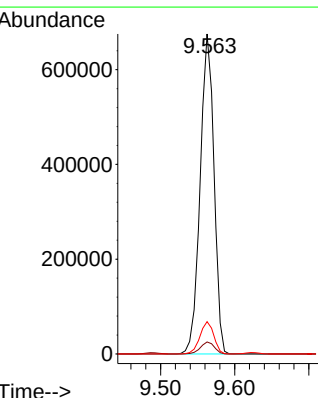
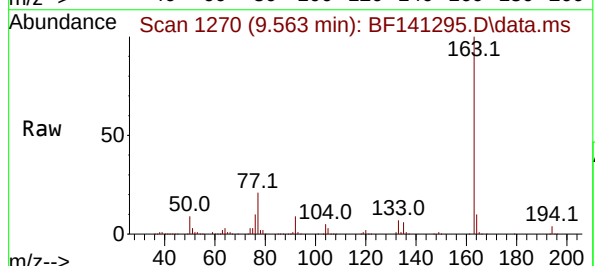
Tgt Ion:163 Resp: 875569

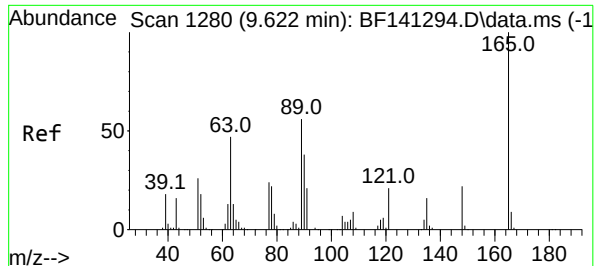
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

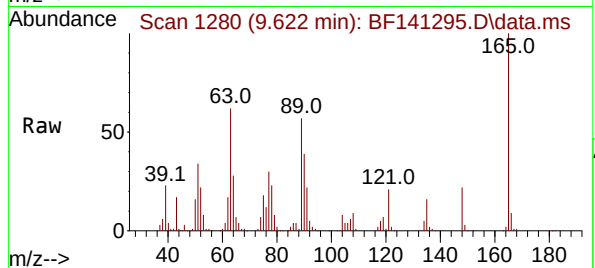
164 10.1 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

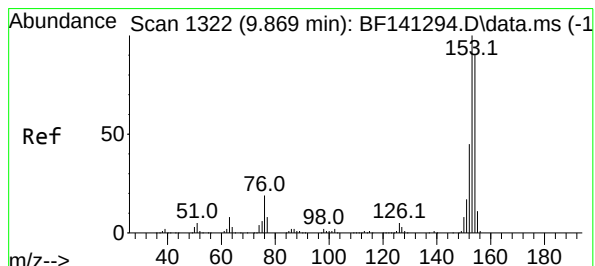
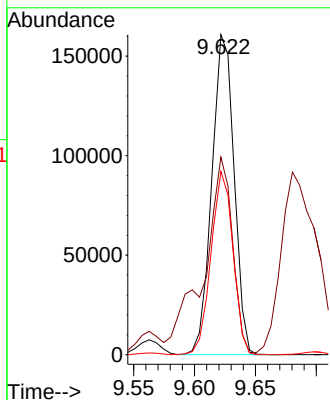
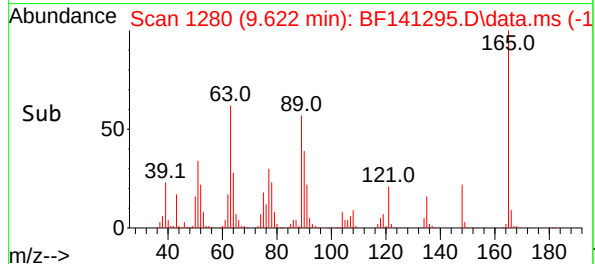
Instrument :
BNA_F
Client Sample Id :
SSTDICC050



Tgt Ion:165 Resp: 20491
Ion Ratio Lower Upper
165 100
63 61.7 48.1 72.1
89 57.3 44.9 67.3

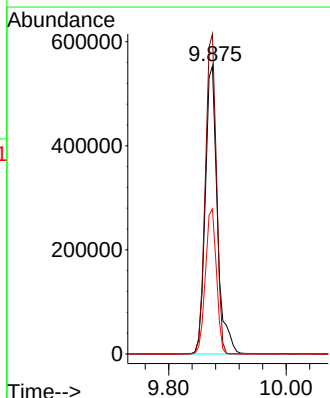
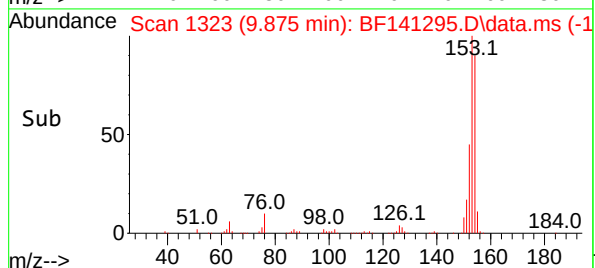
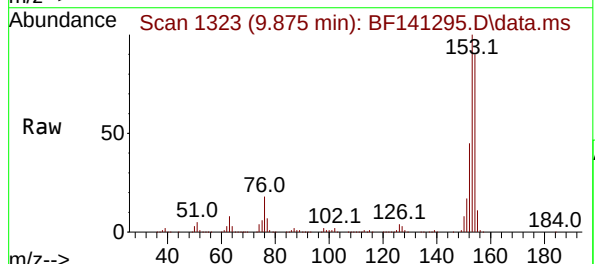
Manual Integrations
APPROVED

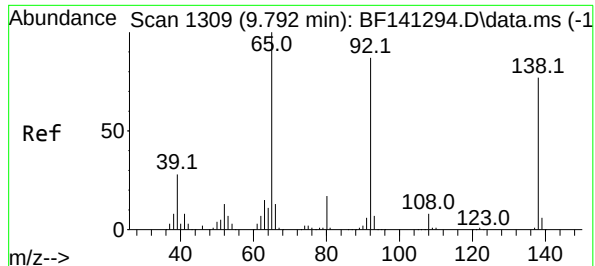
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

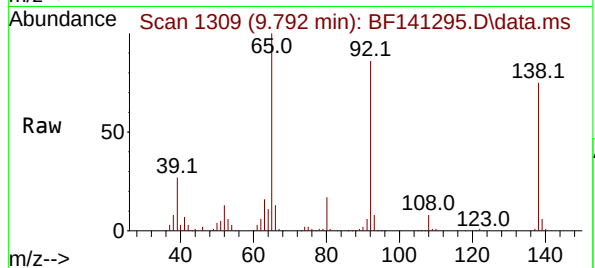
Tgt Ion:154 Resp: 789039
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 50.3 40.2 60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

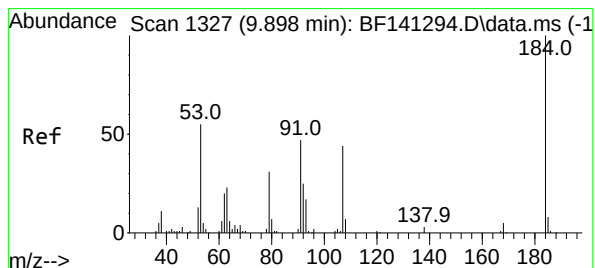
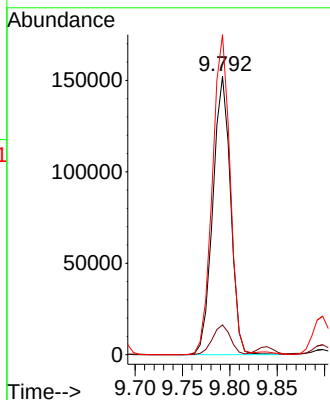
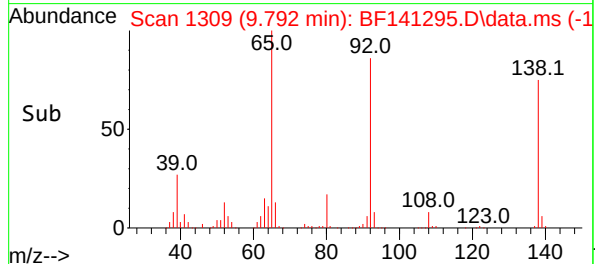
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 19783
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.0 91.0 136.6

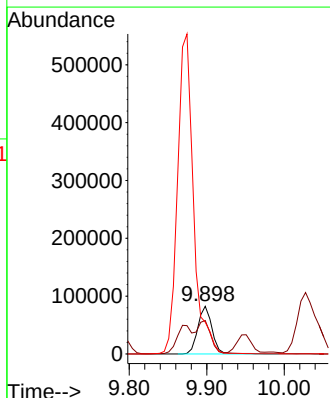
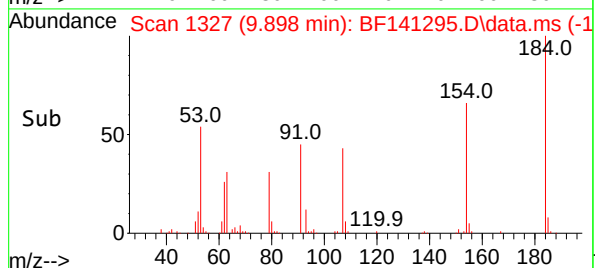
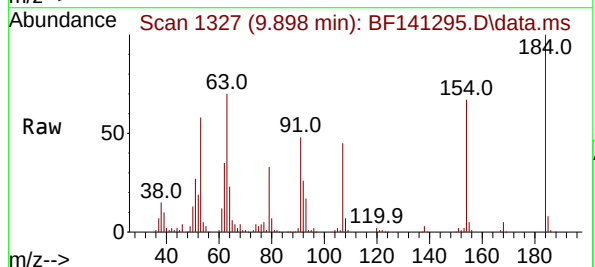
Manual Integrations
APPROVED

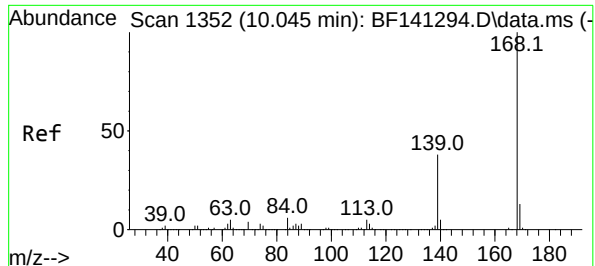
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313
Ion Ratio Lower Upper
184 100
63 70.3 54.1 81.1
154 66.8 50.7 76.1





#55

Dibenzenofuran

Concen: 47.082 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 102818

Ion Ratio Lower Upper

168 100

139 38.6 30.6 46.0

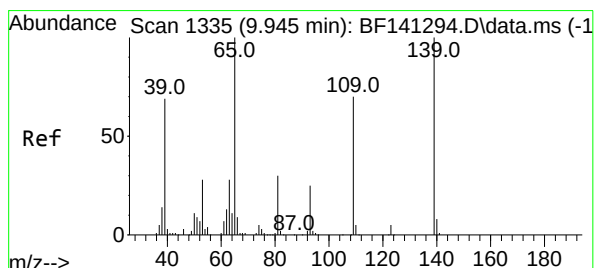
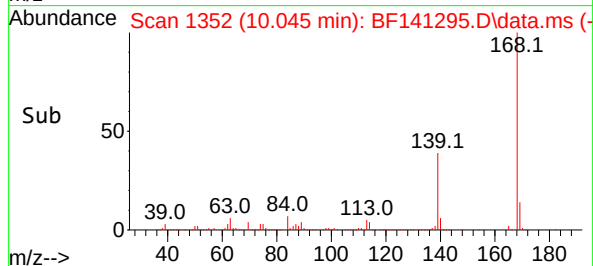
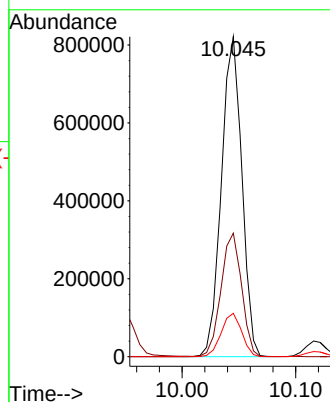
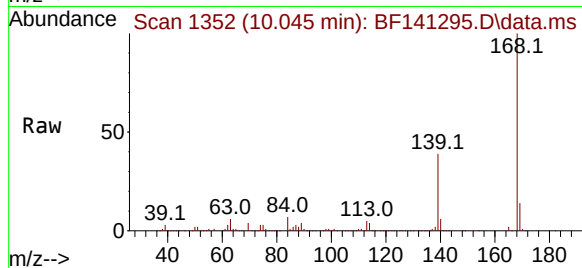
169 13.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 52.067 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

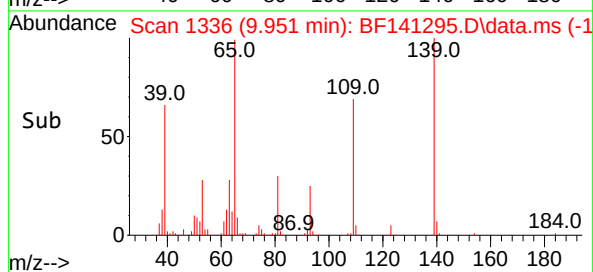
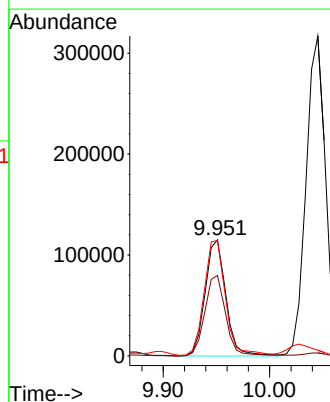
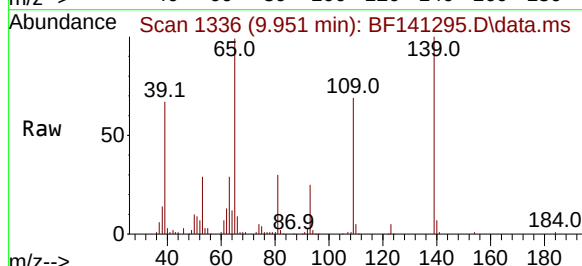
Tgt Ion:139 Resp: 155594

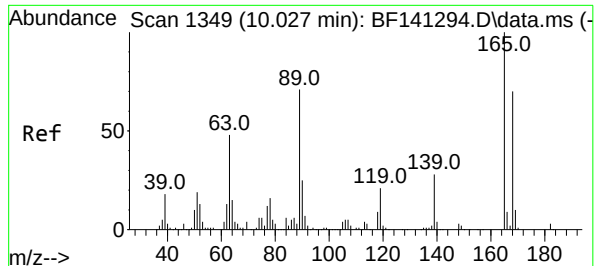
Ion Ratio Lower Upper

139 100

109 69.3 50.2 90.2

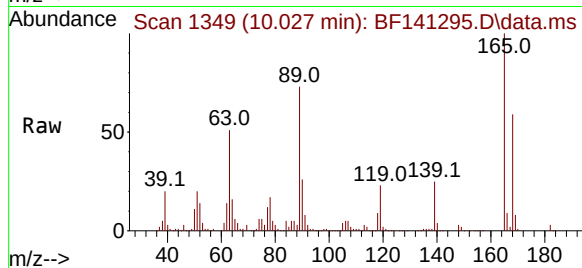
65 99.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

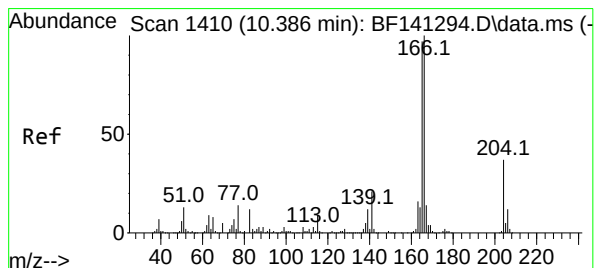
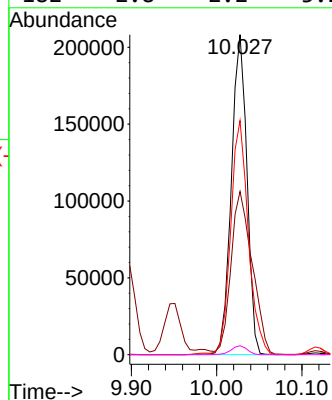
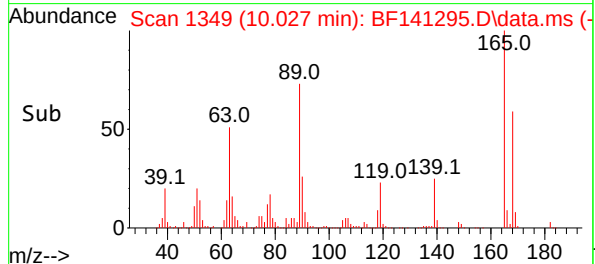
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 26432
Ion Ratio Lower Upper
165 100
63 51.0 39.2 58.8
89 73.1 56.9 85.3
182 2.8 2.2 3.2

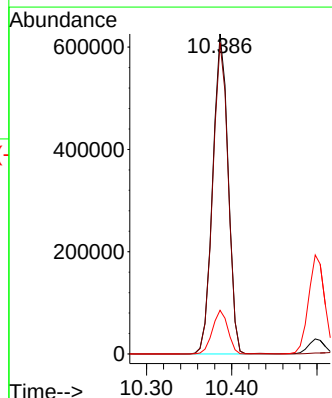
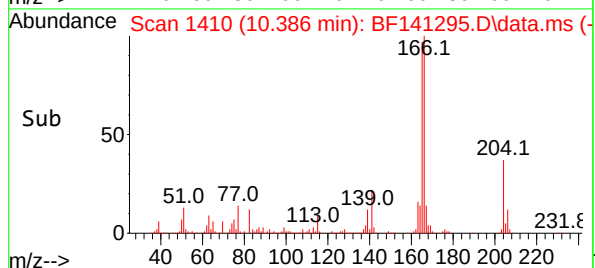
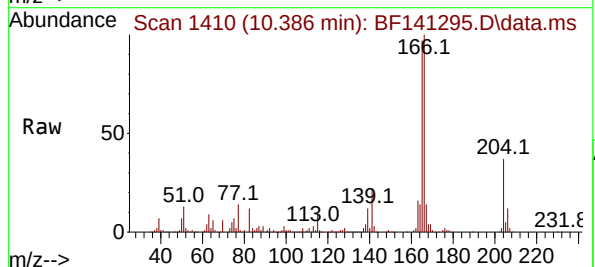
Manual Integrations
APPROVED

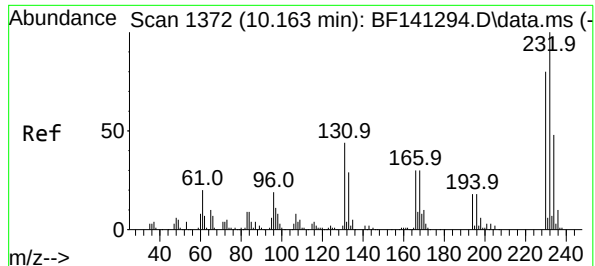
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

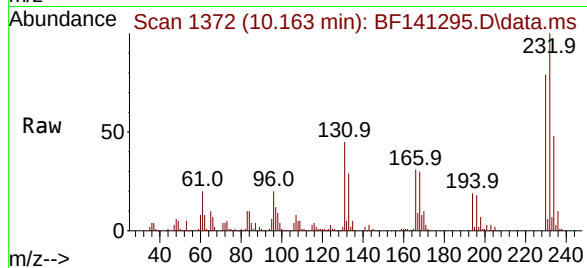
Tgt Ion:166 Resp: 784644
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

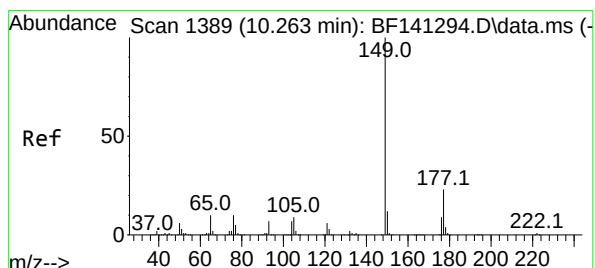
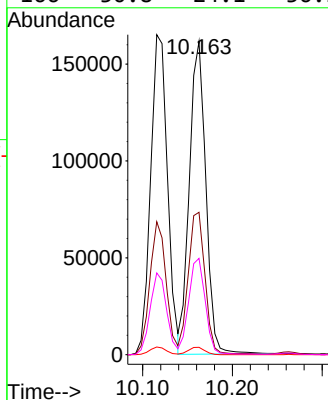
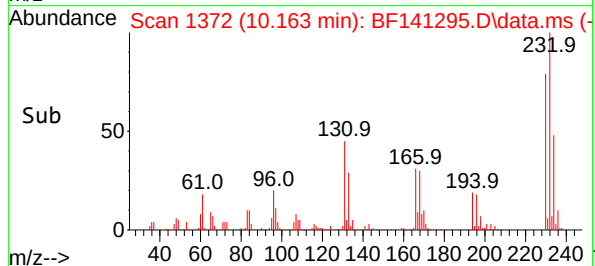
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 205508
Ion Ratio Lower Upper
232 100
131 46.9 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

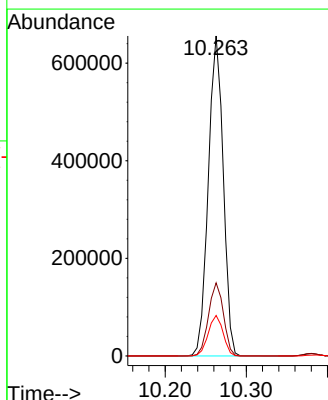
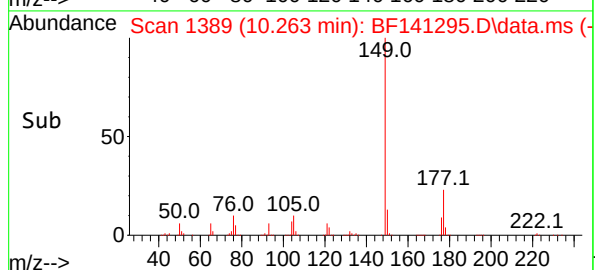
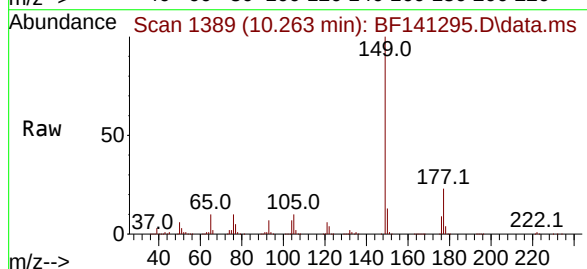
Manual Integrations
APPROVED

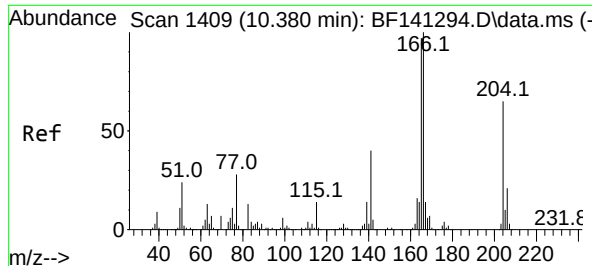
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

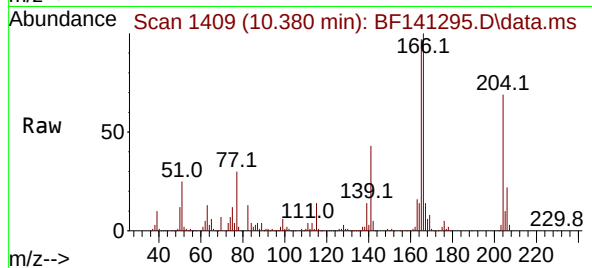
Tgt Ion:149 Resp: 834803
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

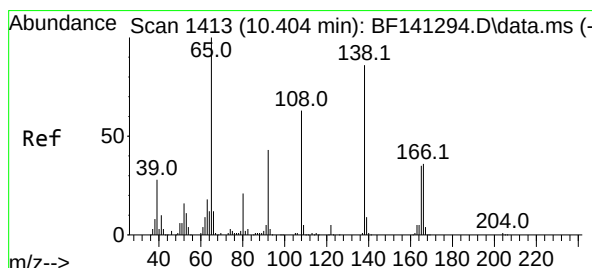
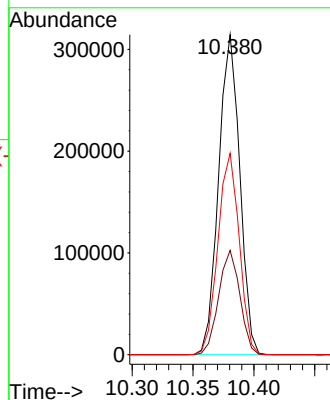
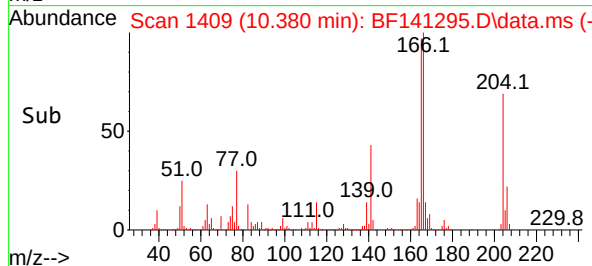
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:204 Resp: 38094
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.9 49.5 74.3

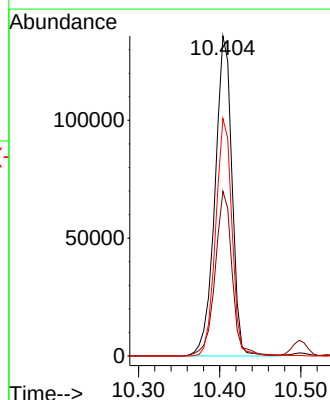
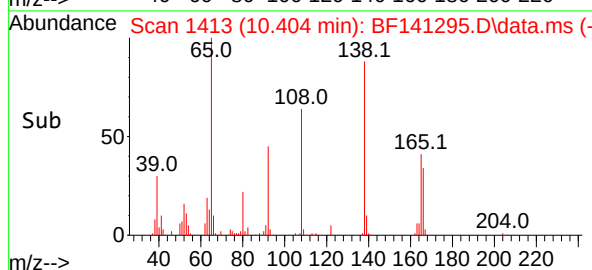
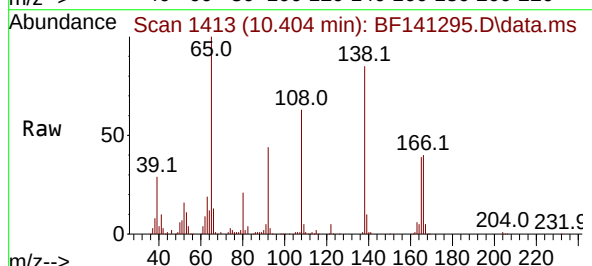
Manual Integrations
APPROVED

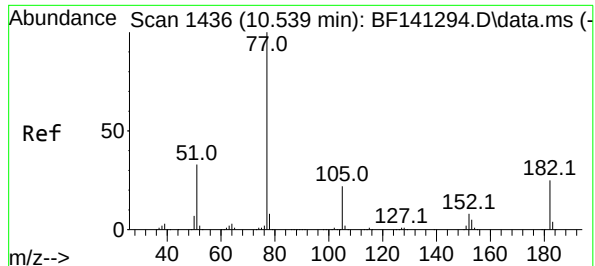
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

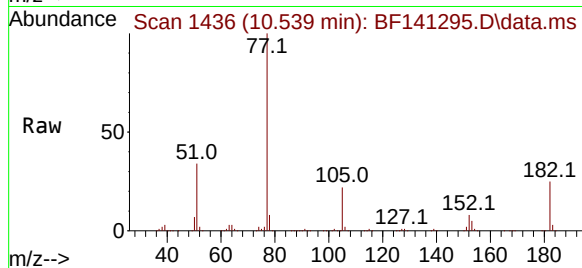
Tgt Ion:138 Resp: 198241
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 74.2 53.1 93.1





#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

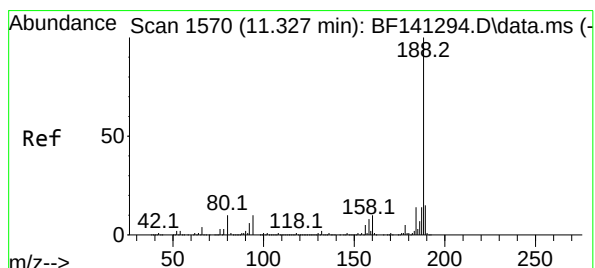
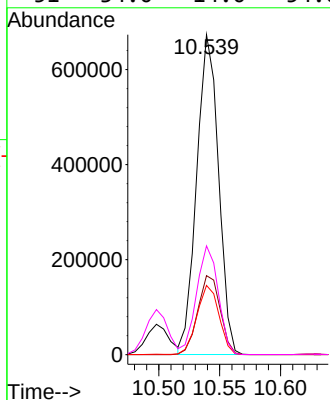
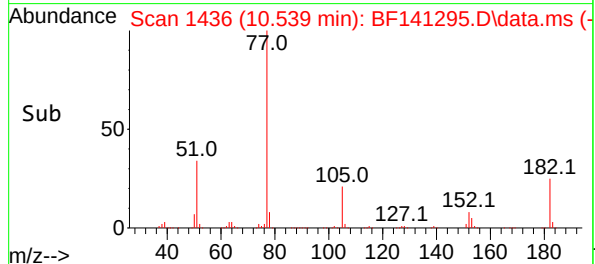
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 84179
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 21.7 1.8 41.8
51 34.0 14.0 54.0

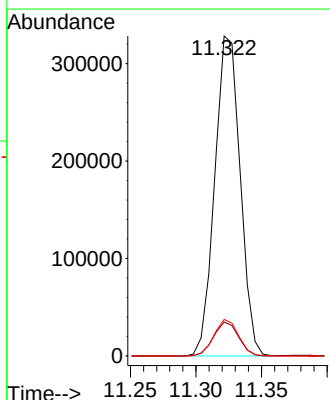
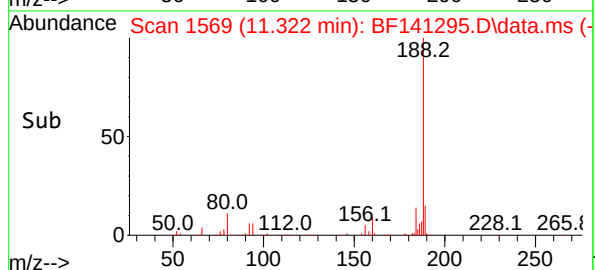
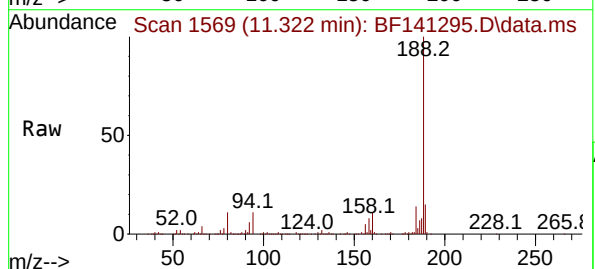
Manual Integrations
APPROVED

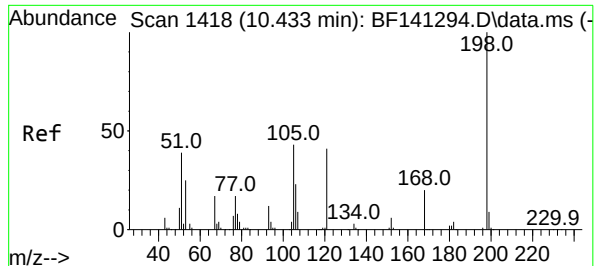
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

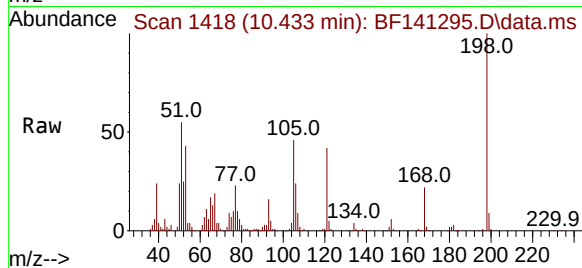
Tgt Ion:188 Resp: 442506
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

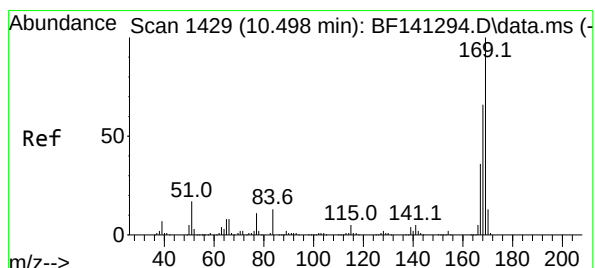
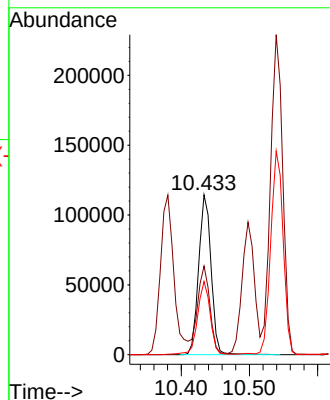
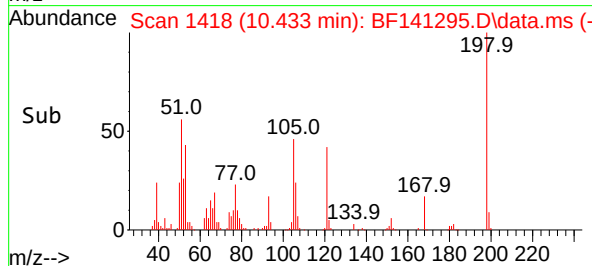
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 144574
Ion Ratio Lower Upper
198 100
51 55.4 33.4 73.4
105 45.8 24.4 64.4

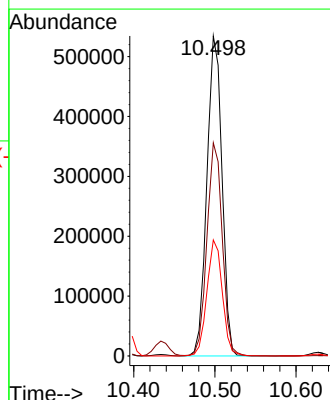
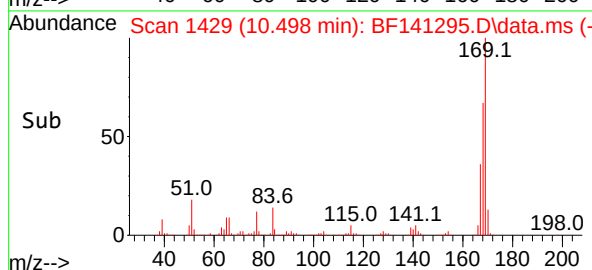
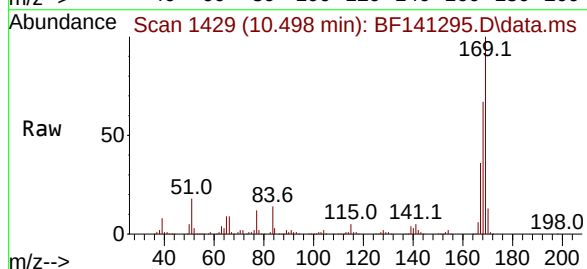
Manual Integrations
APPROVED

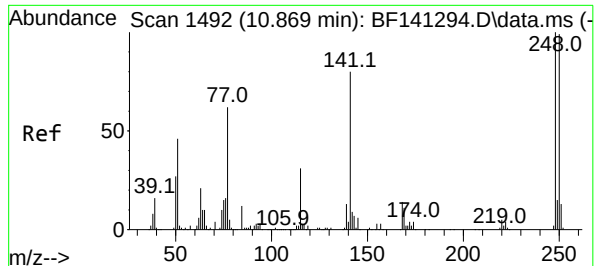
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

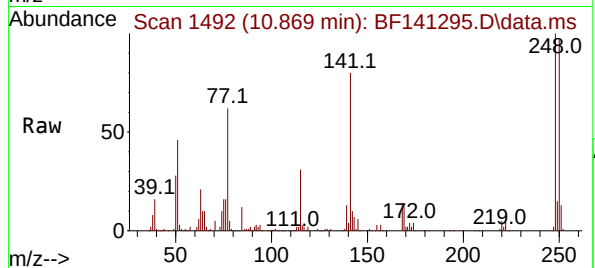
Tgt Ion:169 Resp: 688202
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

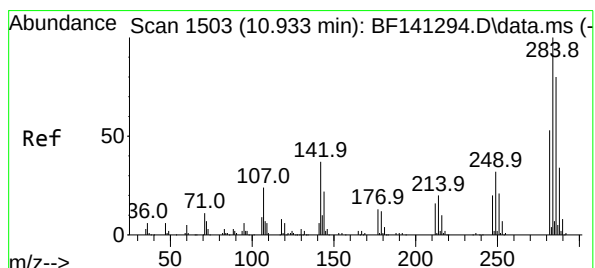
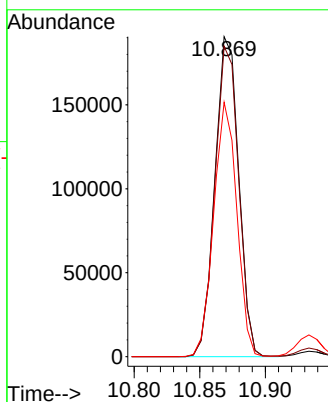
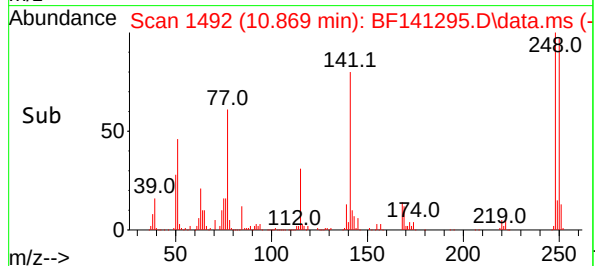
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



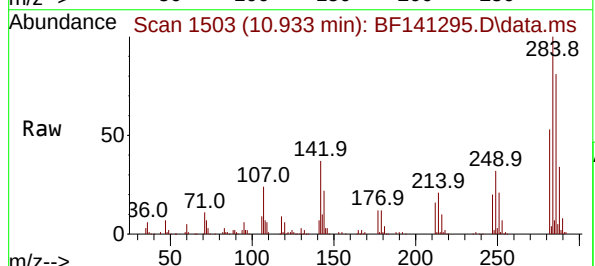
Tgt Ion:248 Resp: 24112
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 79.5 63.7 95.5

Manual Integrations
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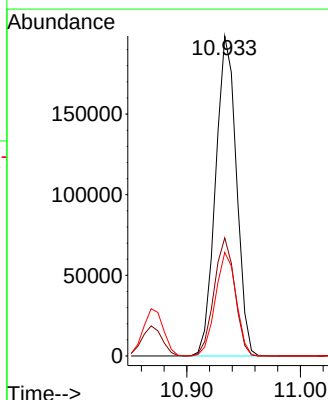
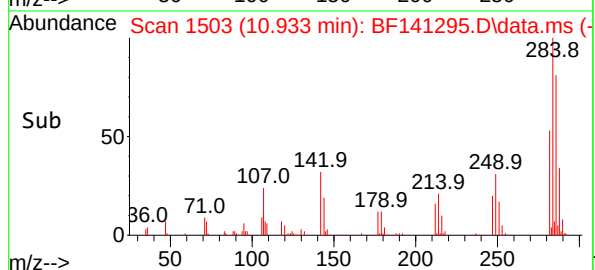
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

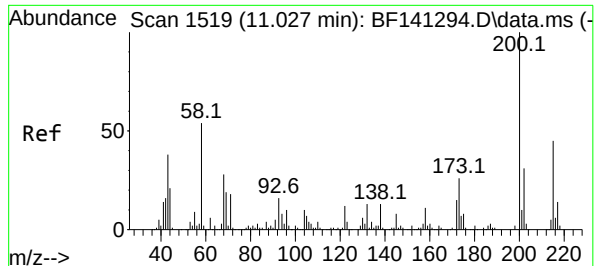


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:284 Resp: 253174
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 32.3 25.4 38.2





#69

Atrazine

Concen: 49.457 ng

RT: 11.027 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:200 Resp: 23799

Ion Ratio Lower Upper

200 100

173 25.9 5.9 45.9

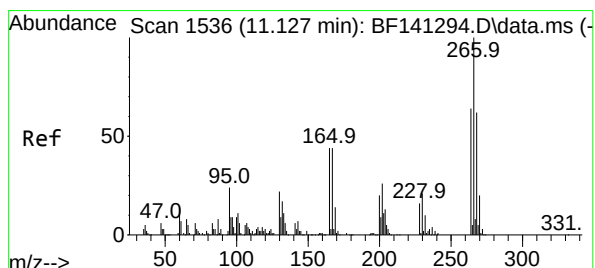
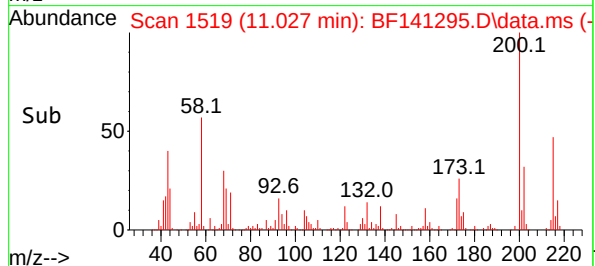
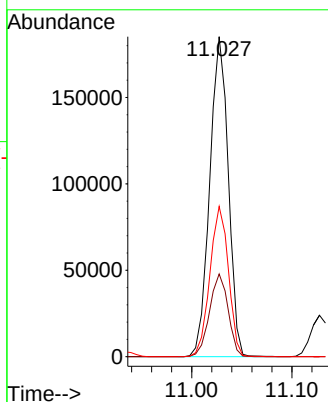
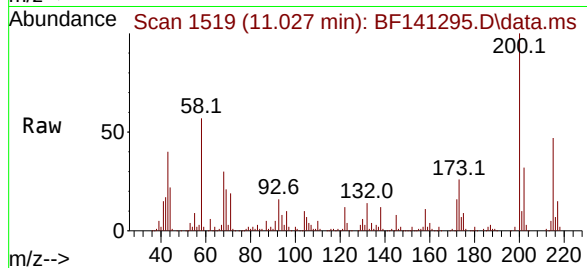
215 46.9 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 52.515 ng

RT: 11.127 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

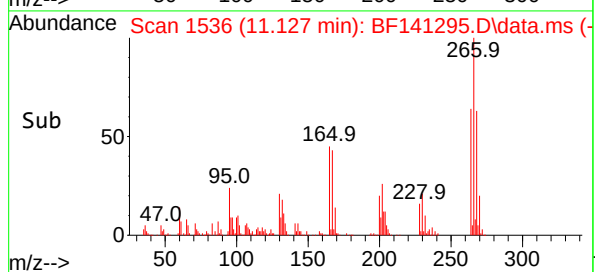
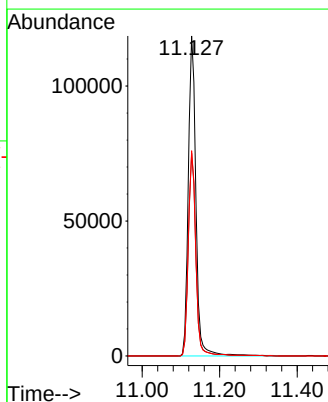
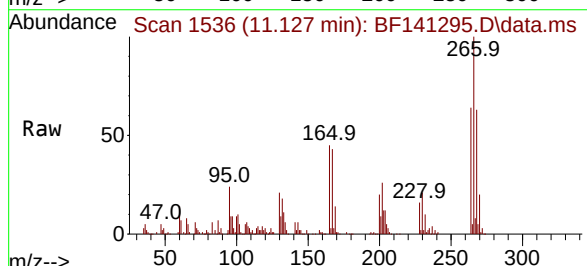
Tgt Ion:266 Resp: 161568

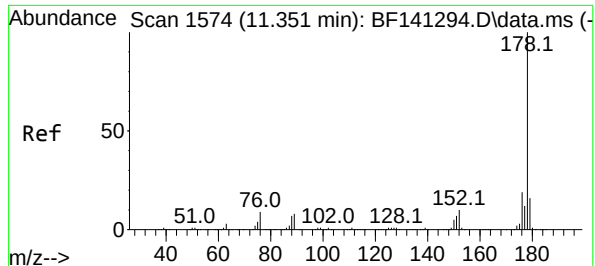
Ion Ratio Lower Upper

266 100

268 63.3 49.9 74.9

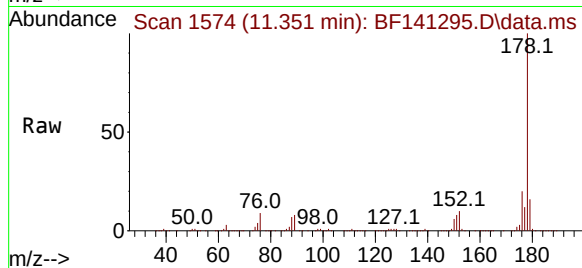
264 64.1 51.0 76.4





#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

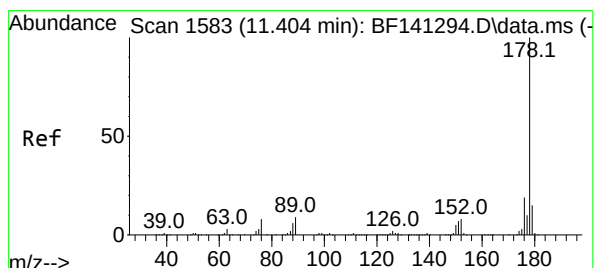
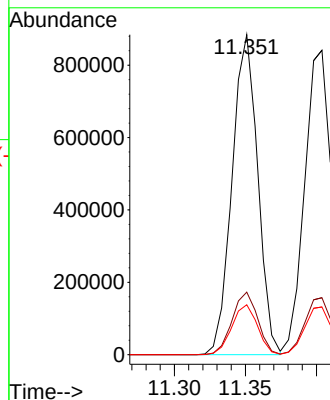
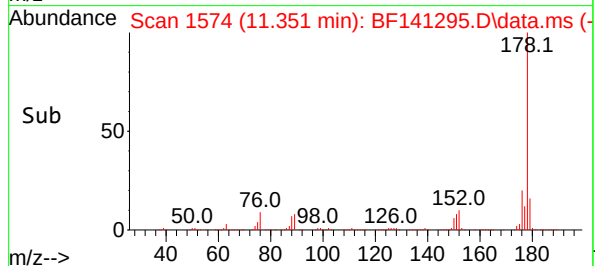
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1114920
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7

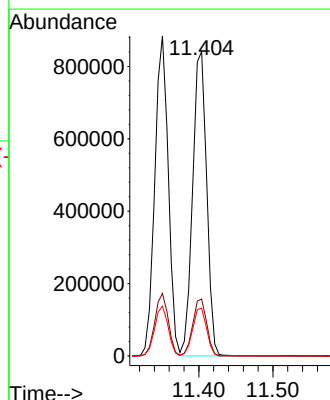
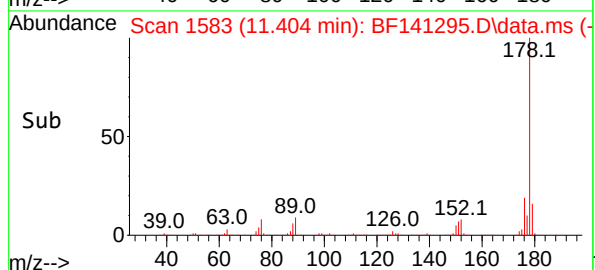
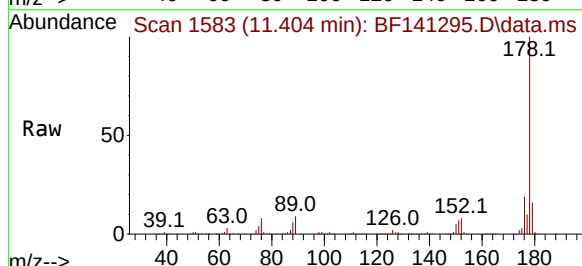
Manual Integrations
APPROVED

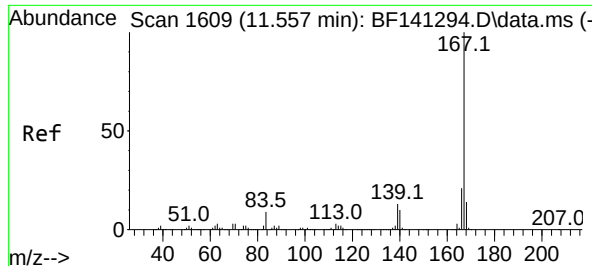
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

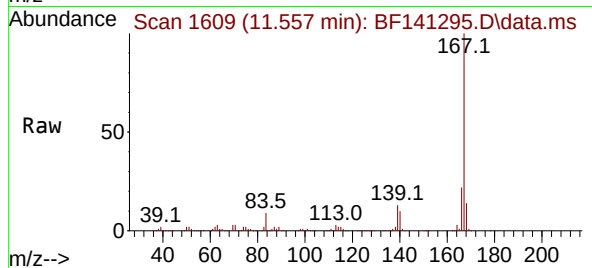
Tgt Ion:178 Resp: 1105681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

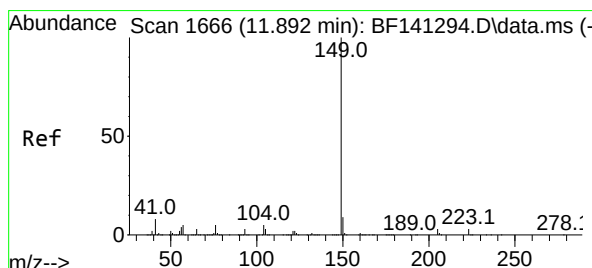
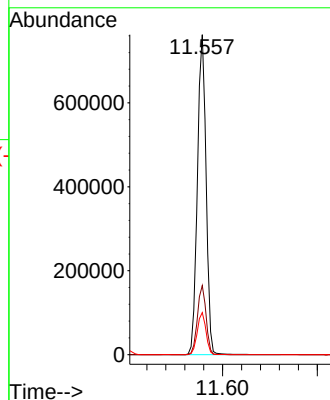
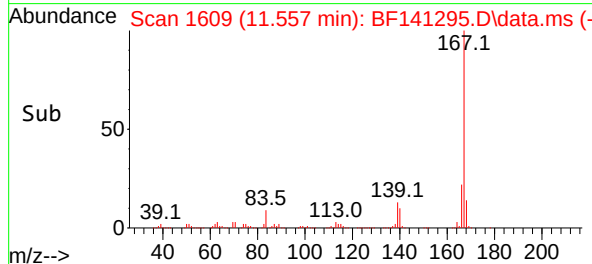
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 97154
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.6 16.0

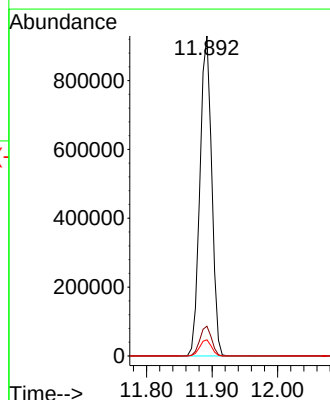
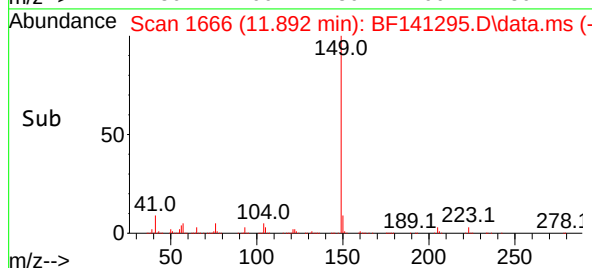
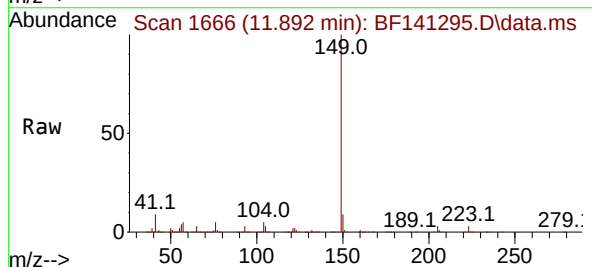
Manual Integrations
APPROVED

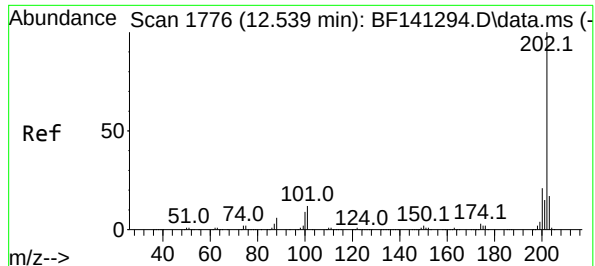
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

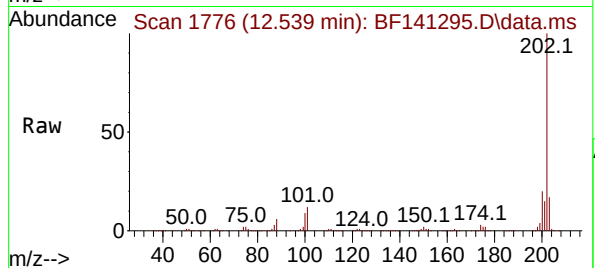
Tgt Ion:149 Resp: 1162607
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

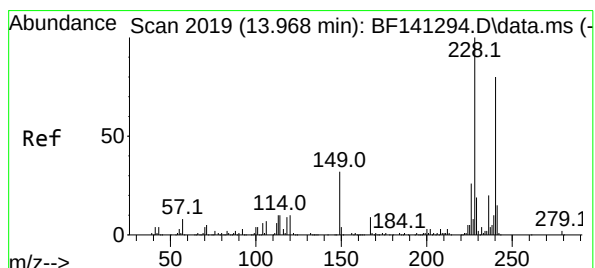
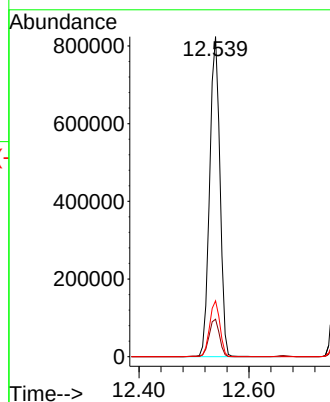
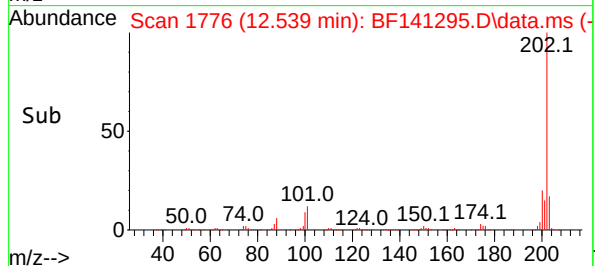
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



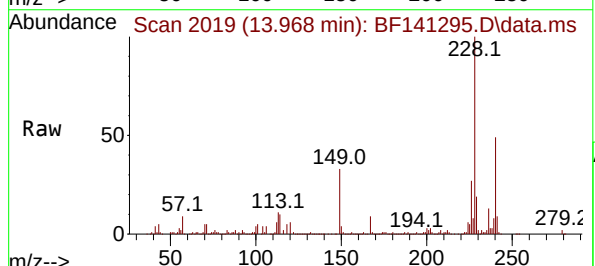
Tgt Ion:202 Resp: 1065514
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5

Manual Integrations
APPROVED

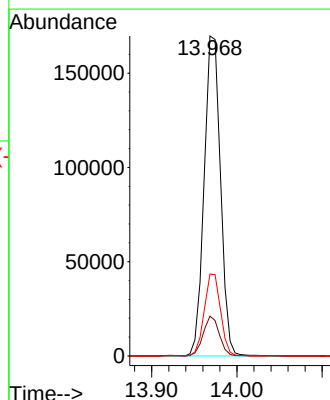
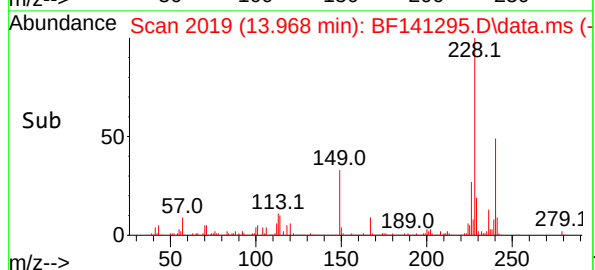
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

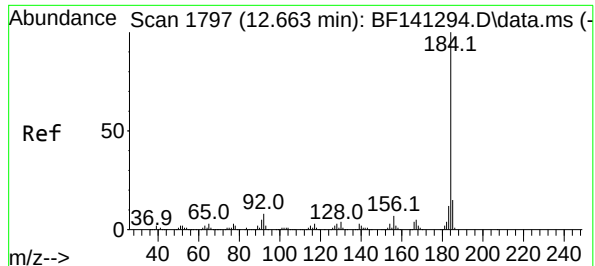


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:240 Resp: 226571
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.6 19.7 29.5





#77

Benzidine

Concen: 74.515 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:184 Resp: 51335

Ion Ratio Lower Upper

184 100

185 14.5 11.9 17.9

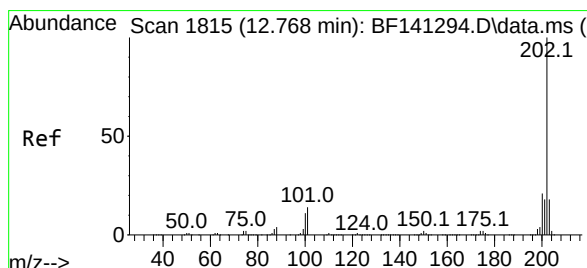
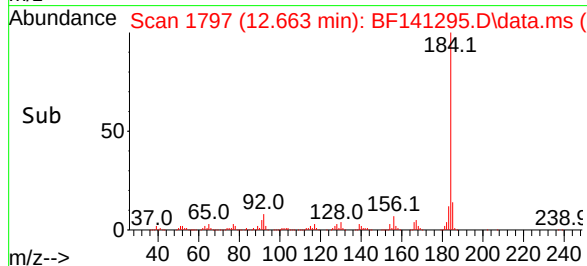
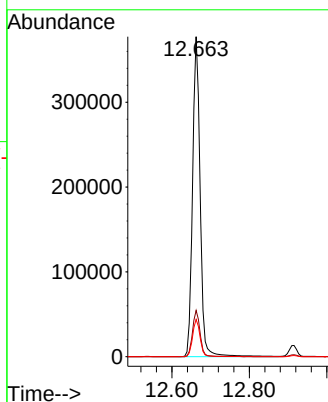
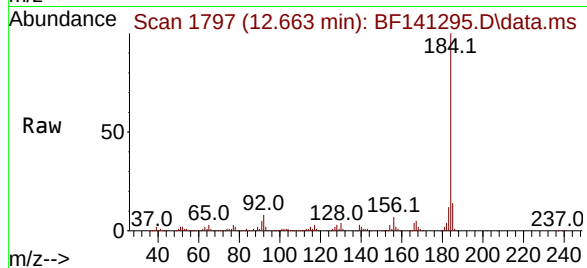
183 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 48.410 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

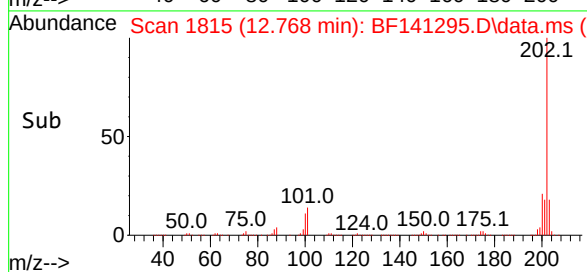
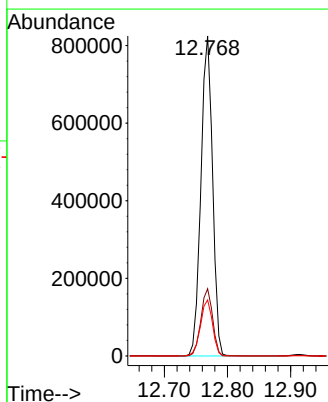
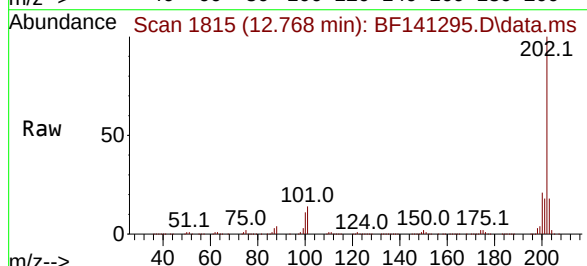
Tgt Ion:202 Resp: 1059044

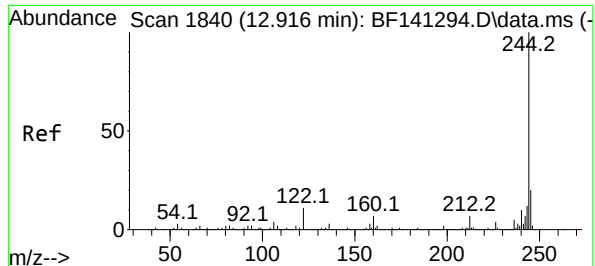
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 95.222 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141295.D

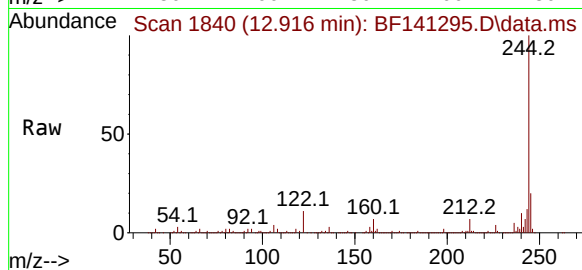
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 140210

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

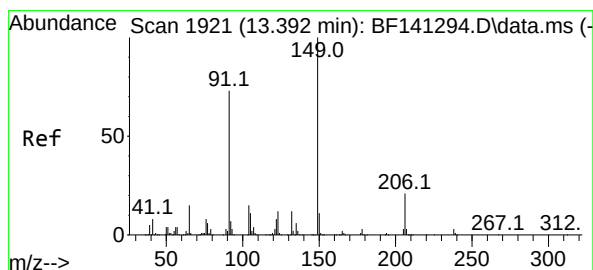
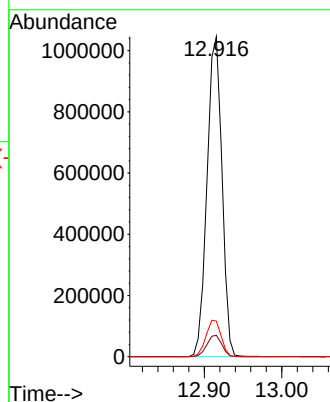
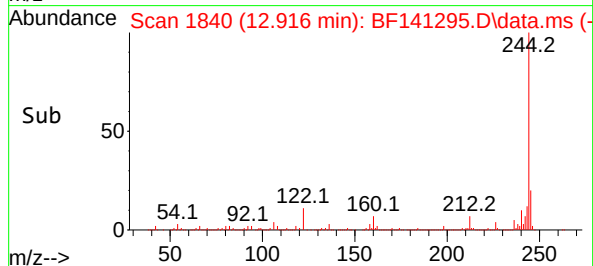
122 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

Concen: 49.222 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

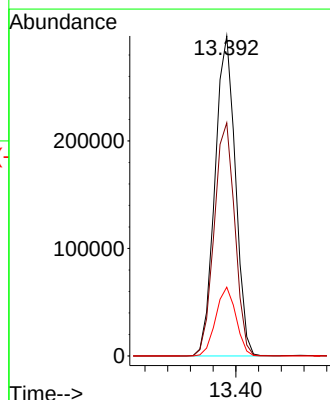
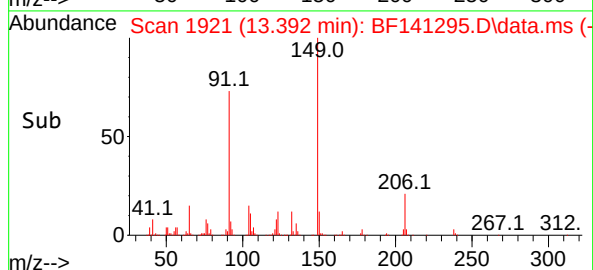
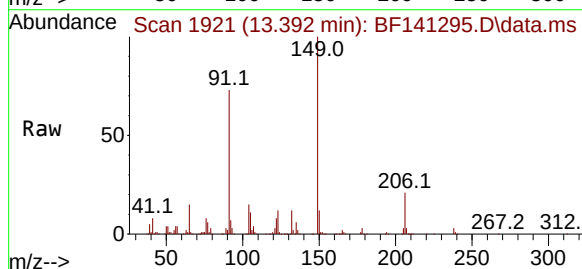
Tgt Ion:149 Resp: 371889

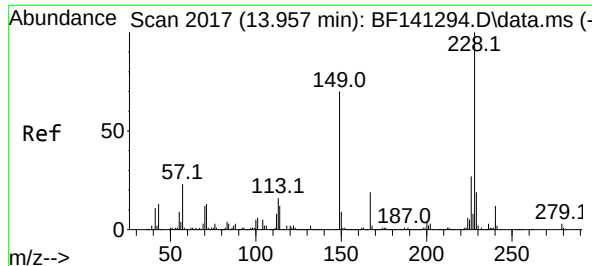
Ion Ratio Lower Upper

149 100

91 72.9 58.6 87.8

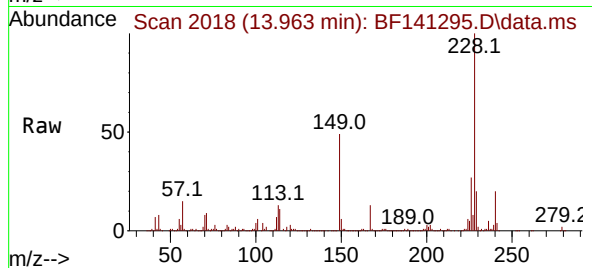
206 21.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

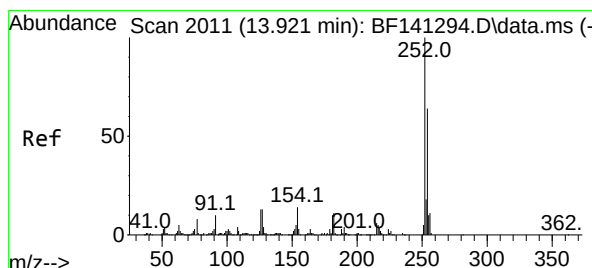
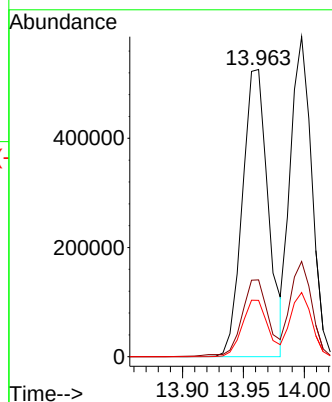
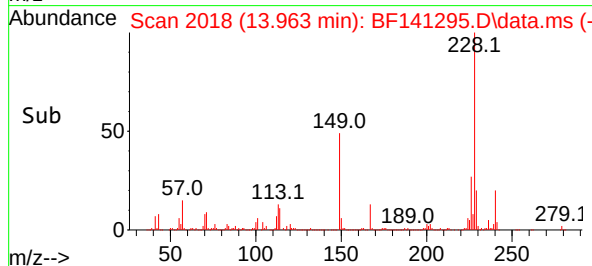
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



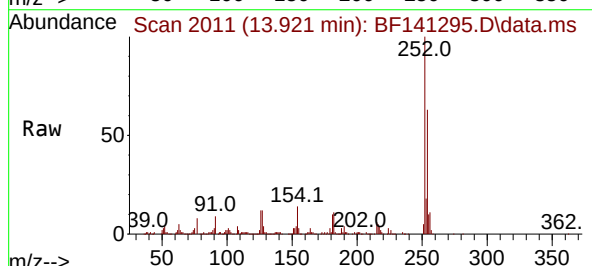
Tgt Ion:228 Resp: 77892
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.5 23.3

Manual Integrations
APPROVED

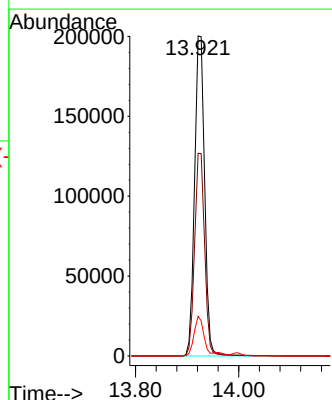
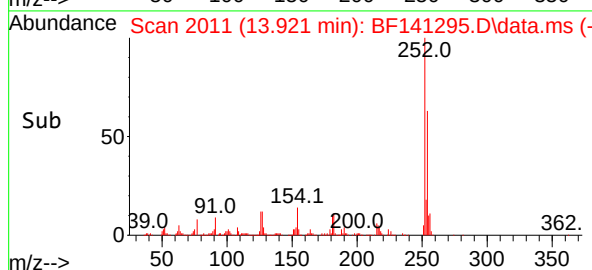
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

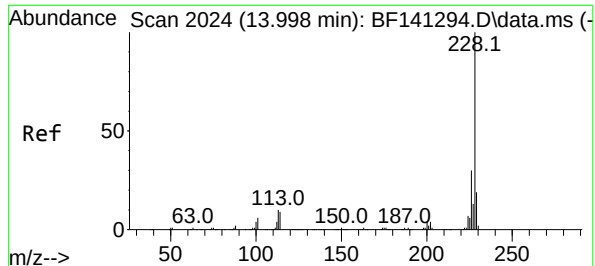


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:252 Resp: 270572
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.4 10.0 15.0





#83

Chrysene

Concen: 49.829 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 717569

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

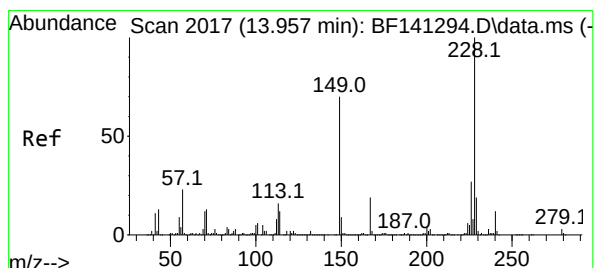
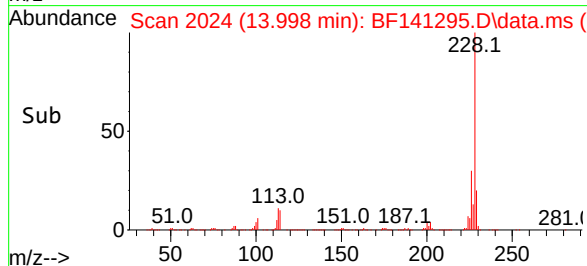
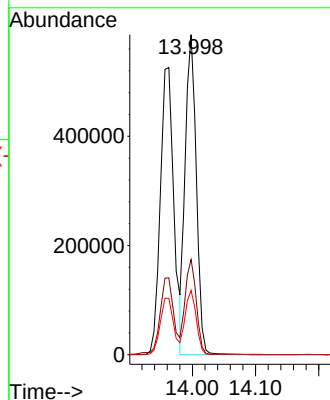
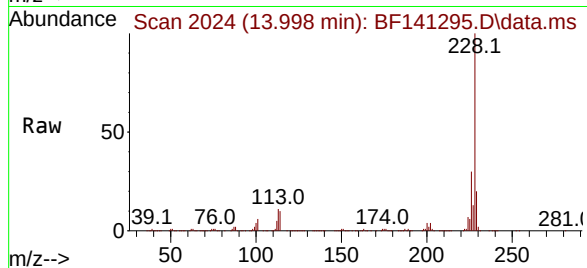
229 20.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.620 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

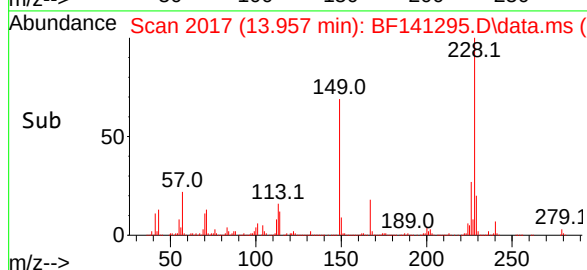
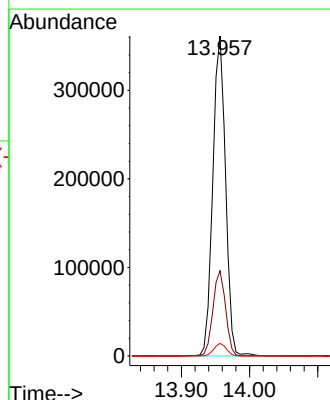
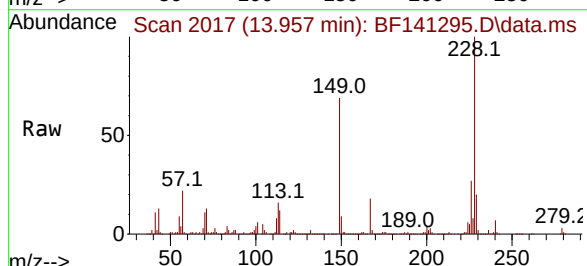
Tgt Ion:149 Resp: 470441

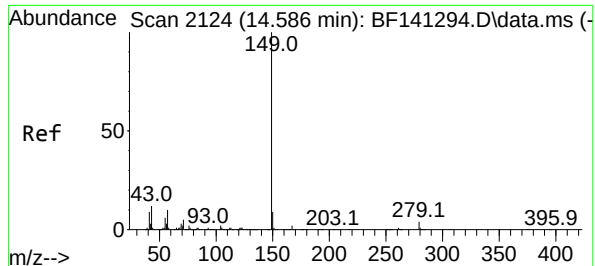
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.8

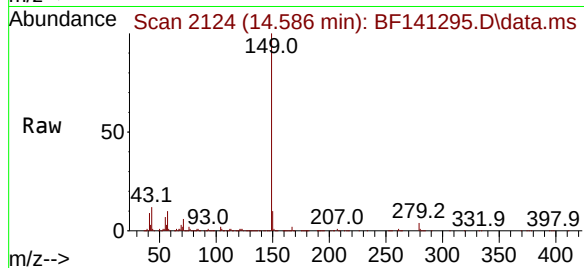
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

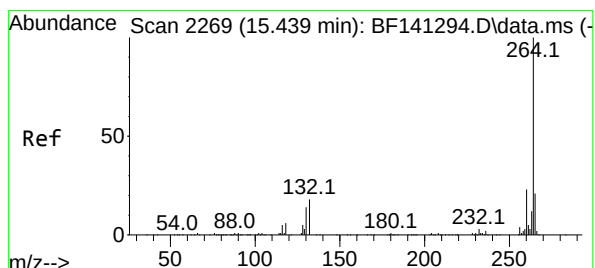
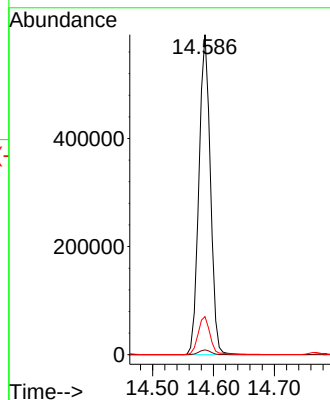
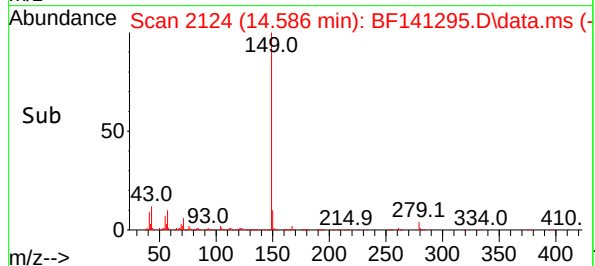
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



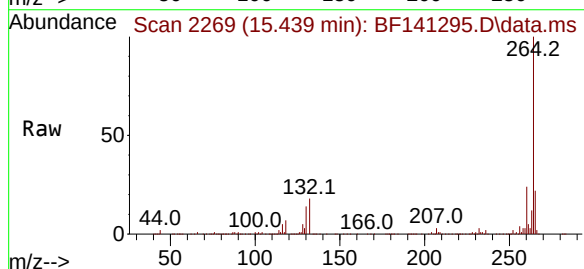
Tgt Ion:149 Resp: 77303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

Manual Integrations
APPROVED

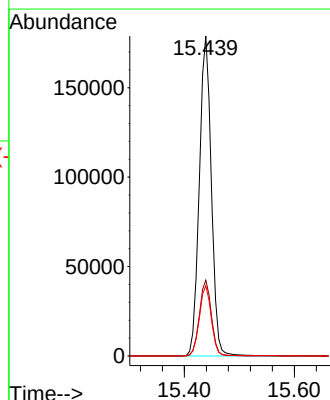
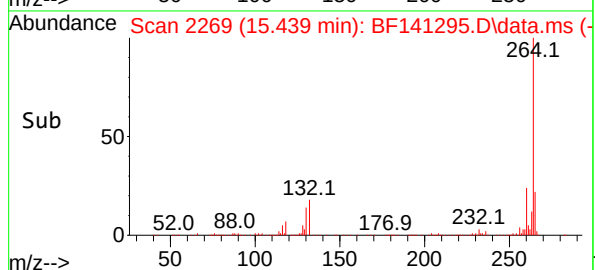
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

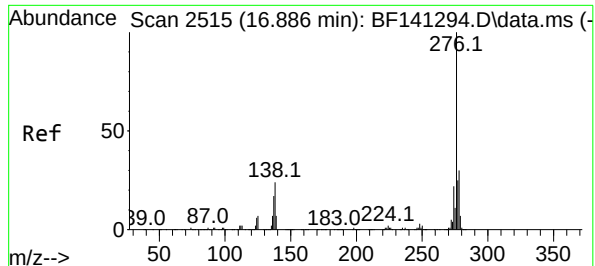


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:264 Resp: 272084
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.584 ng

RT: 16.892 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

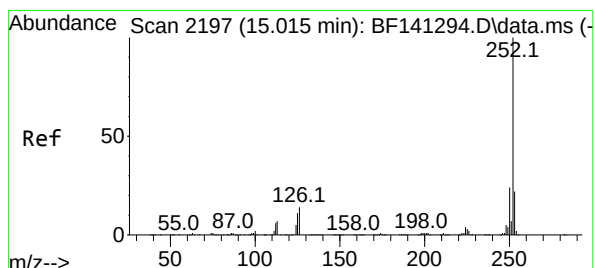
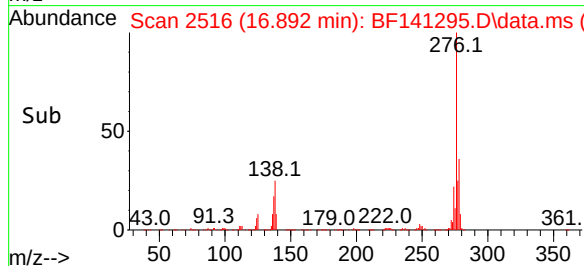
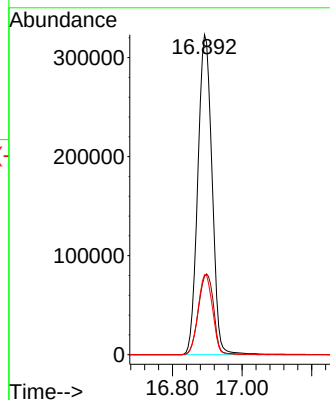
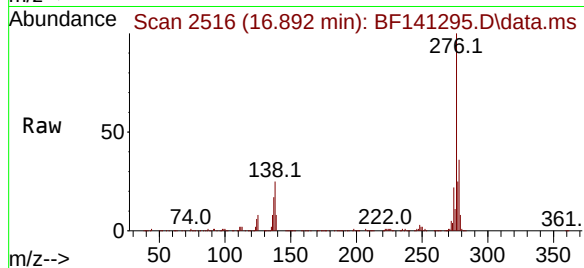
Tgt Ion:	276	Resp:	916714
Ion Ratio	Lower	Upper	
276	100		
138	27.0	21.7	32.5
277	25.5	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 50.916 ng

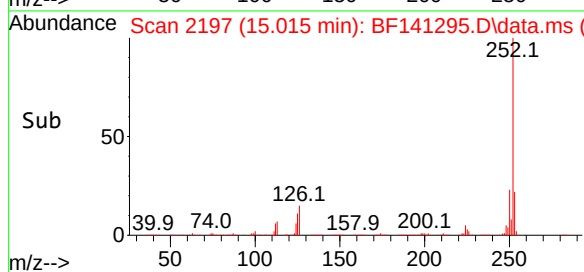
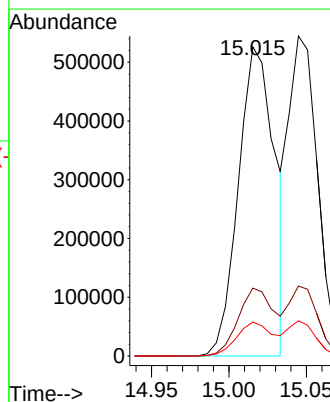
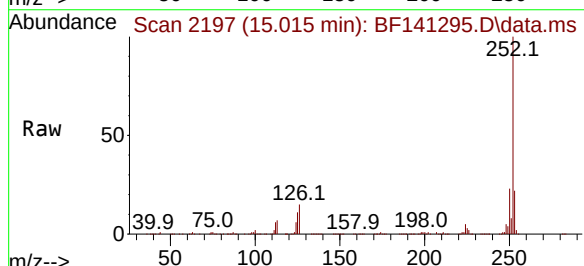
RT: 15.015 min Scan# 2197

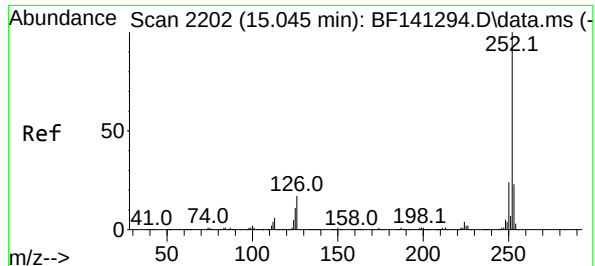
Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:	252	Resp:	860351
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 47.153 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 713500

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

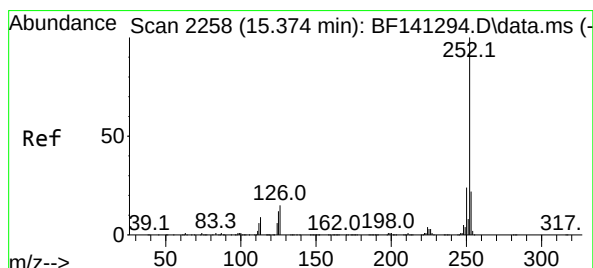
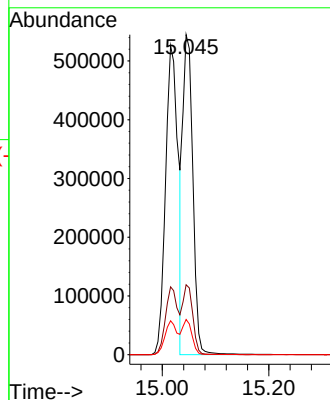
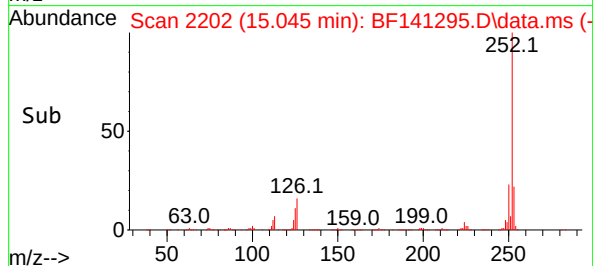
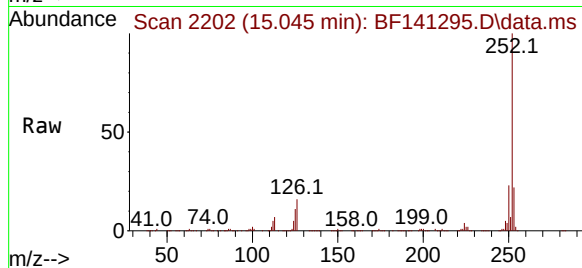
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 49.985 ng

RT: 15.380 min Scan# 2259

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

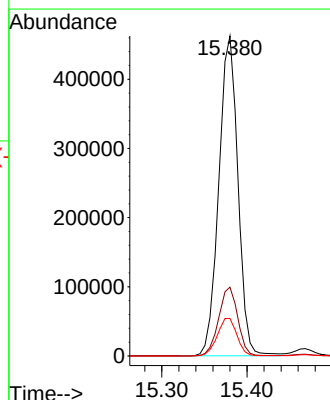
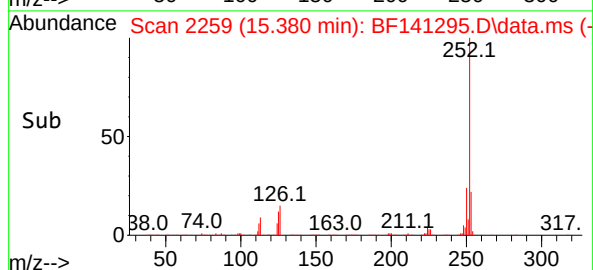
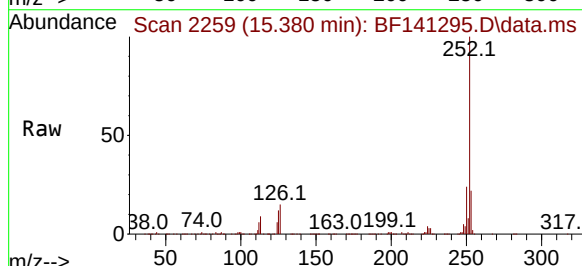
Tgt Ion:252 Resp: 721834

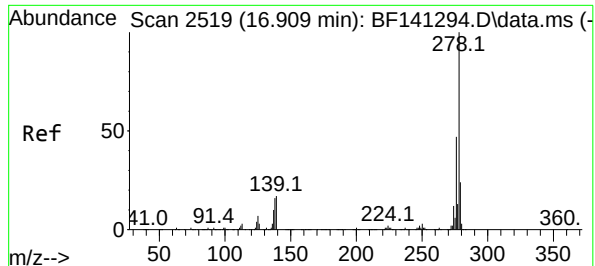
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.7 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 51.907 ng

RT: 16.915 min Scan# 2519

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

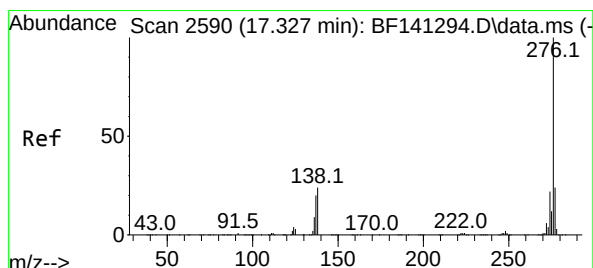
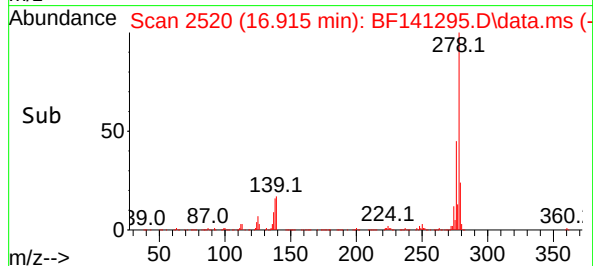
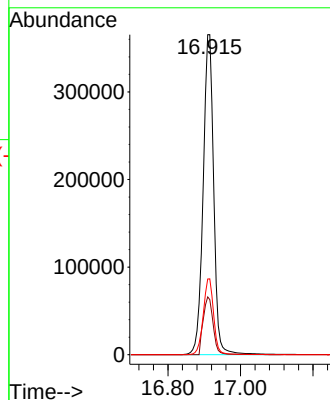
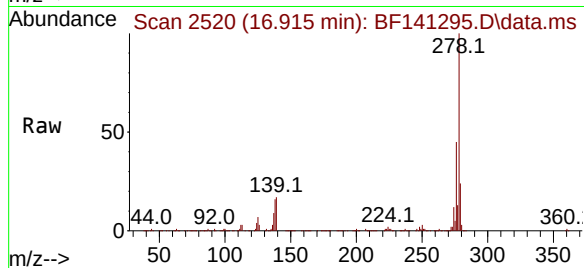
Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:	278	Resp:	73939
Ion Ratio	Lower	Upper	
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#92

Benzo(g,h,i)perylene

Concen: 50.990 ng

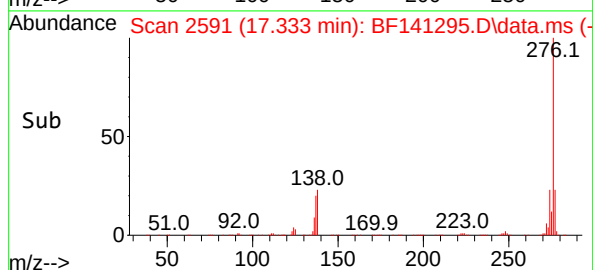
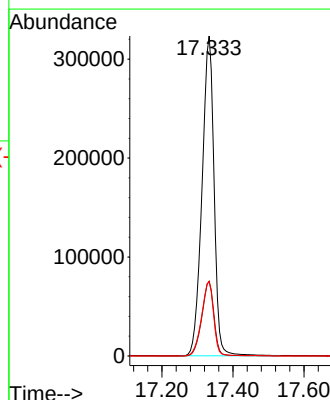
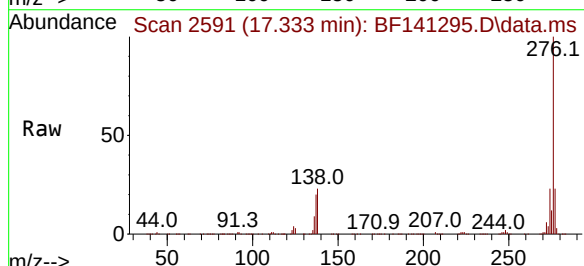
RT: 17.333 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:	276	Resp:	764064
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:14:44 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng	0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng	0.00
86) Perylene-d12	15.451	264	265921	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	952391	113.729	ng	0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng	0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng	0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng	99
3) Pyridine	3.216	79	527201	60.698	ng	99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng	99
6) Aniline	6.463	93	506937	55.493	ng	# 89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng	98
9) Benzaldehyde	6.351	77	314238	48.677	ng	98
10) Phenol	6.445	94	640034	56.549	ng	94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng	99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng	99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng	100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng	99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng	99
17) 2-Methylphenol	7.057	107	420597	58.211	ng	99
18) Hexachloroethane	7.316	117	210746	57.649	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng	97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng	98
22) Acetophenone	7.216	105	651575	53.679	ng	99
24) Nitrobenzene	7.386	77	572234	58.138	ng	99
25) Isophorone	7.622	82	953671	58.383	ng	98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng	99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng	99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng	99
31) Naphthalene	8.104	128	1475900	54.933	ng	99
32) Benzoic acid	7.863	122	380664m	76.193	ng	
33) 4-Chloroaniline	8.157	127	513149	56.786	ng	99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng	100
35) Caprolactam	8.533	113	141023	60.337	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng	97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng	98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng	100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:14:44 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

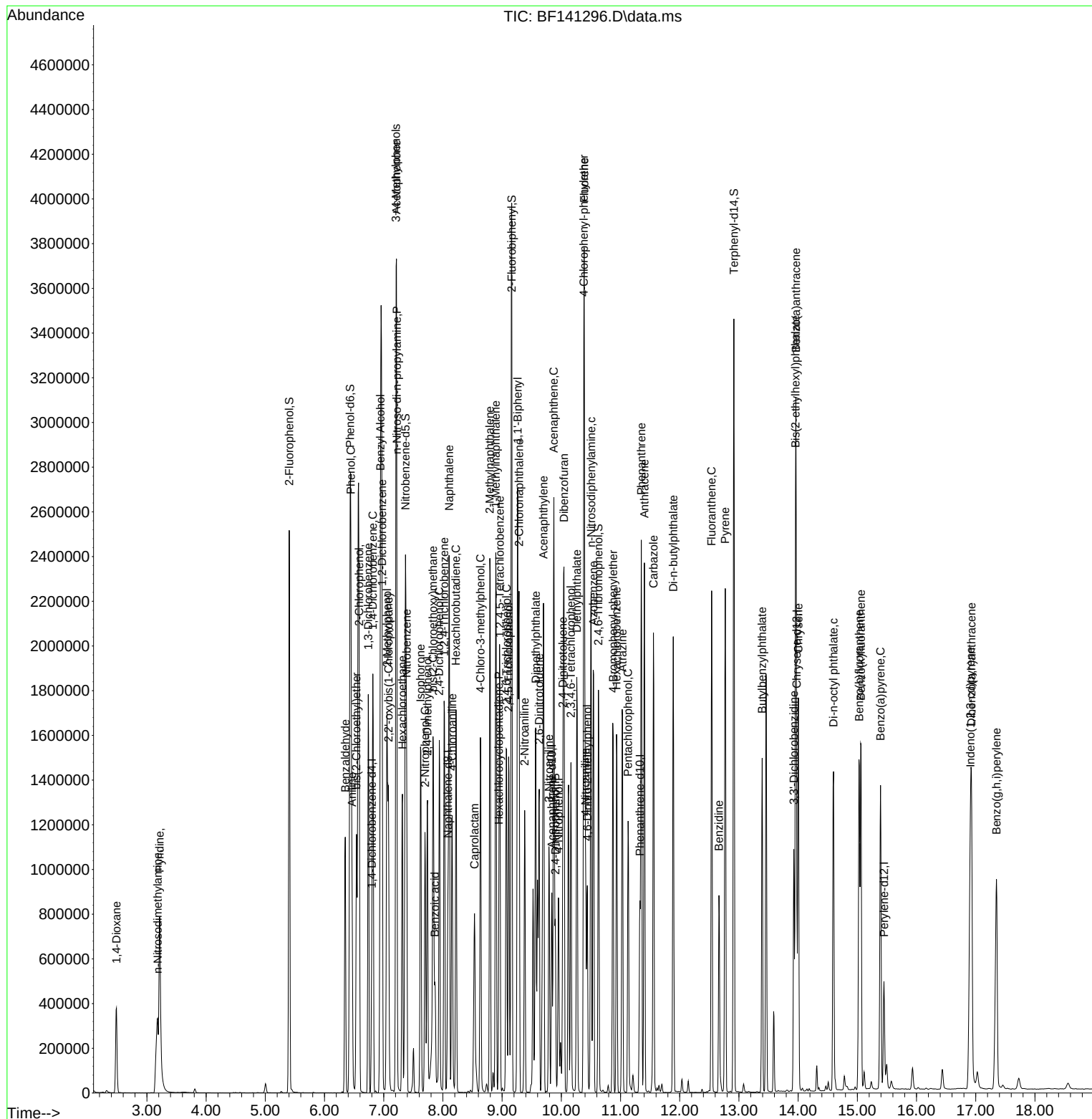
Quant Time: Jan 29 17:20:45 2025

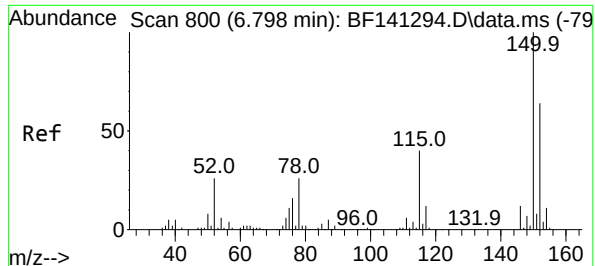
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:14:44 2025

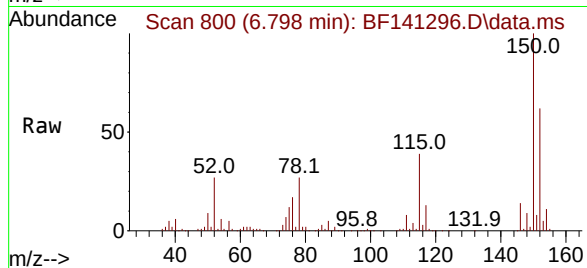
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

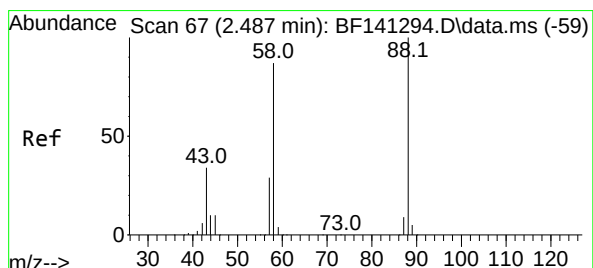
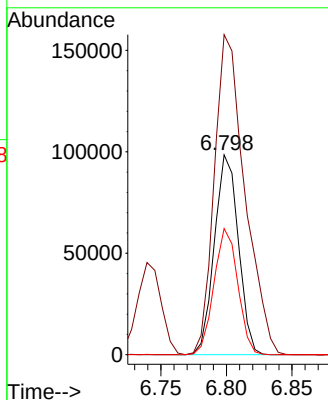
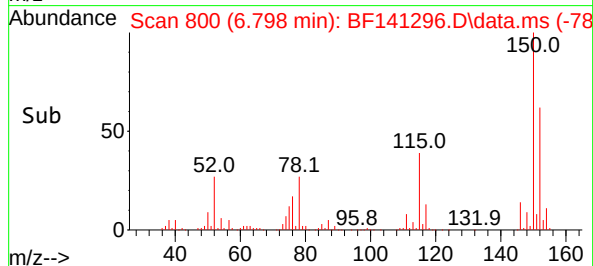
Instrument :
BNA_F
Client SampleId :
SSTDICC060



Tgt Ion: 152 Resp: 125200
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 63.2 49.7 74.5

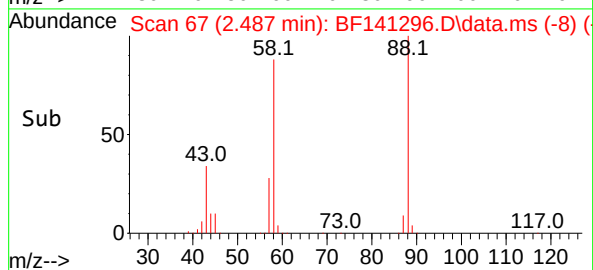
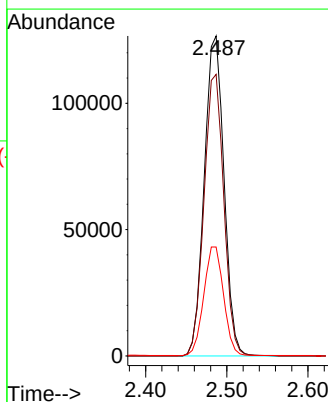
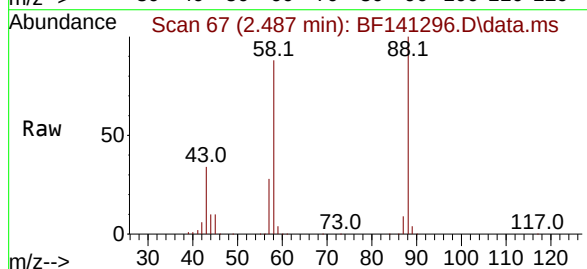
Manual Integrations
APPROVED

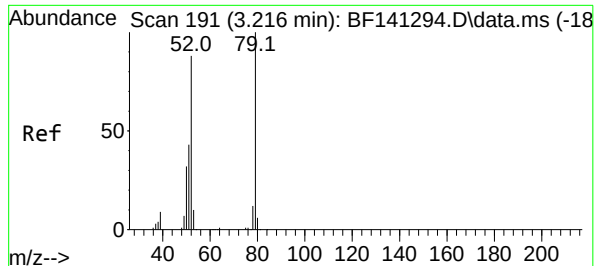
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.4
43 34.0 27.6 41.4





#3

Pyridine

Concen: 60.698 ng

RT: 3.216 min Scan# 191

Delta R.T. -0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 52720

Ion Ratio Lower Upper

79 100

52 89.0 70.3 105.5

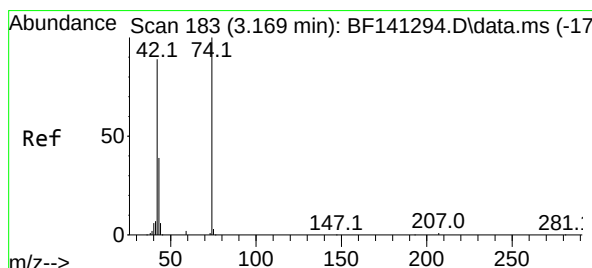
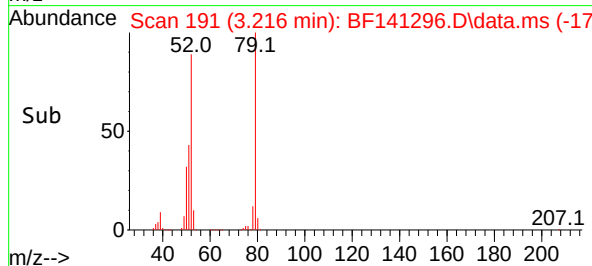
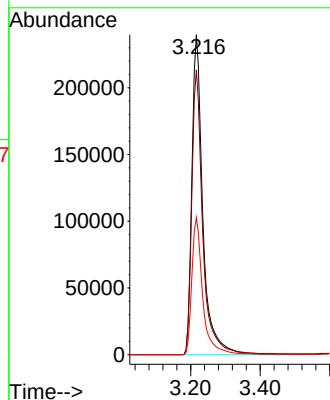
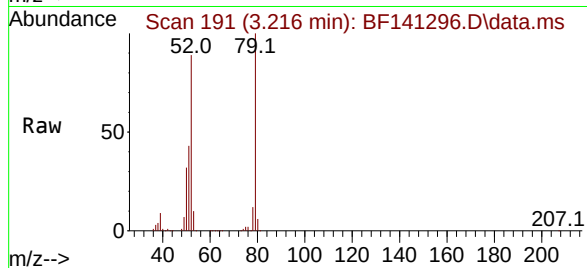
51 42.9 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 61.956 ng

RT: 3.181 min Scan# 185

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

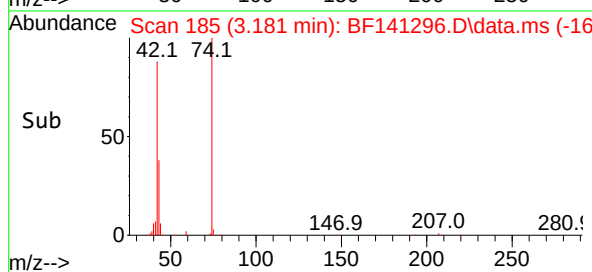
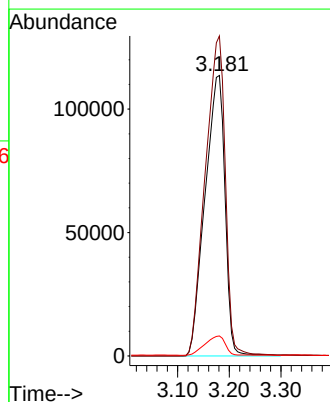
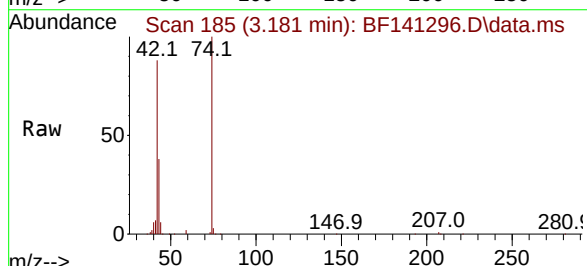
Tgt Ion: 42 Resp: 305314

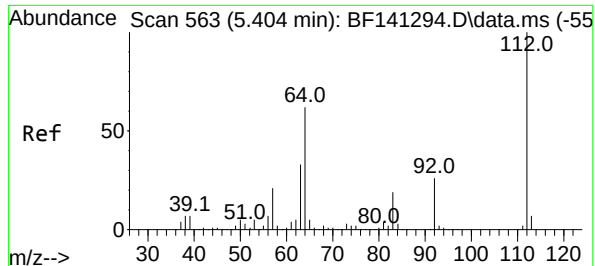
Ion Ratio Lower Upper

42 100

74 114.1 90.3 135.5

44 7.2 5.7 8.5





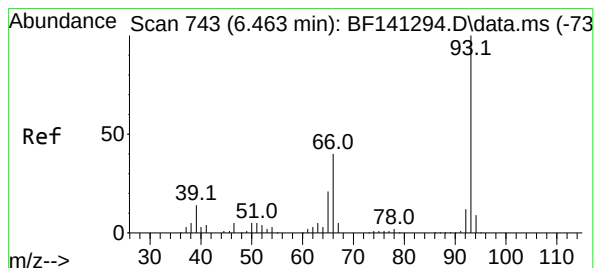
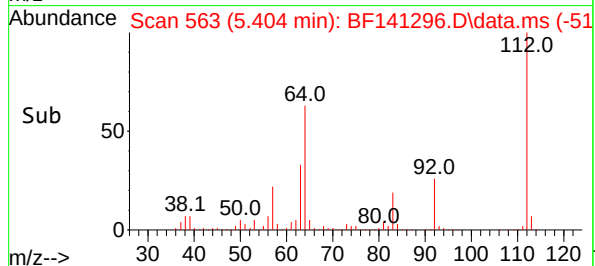
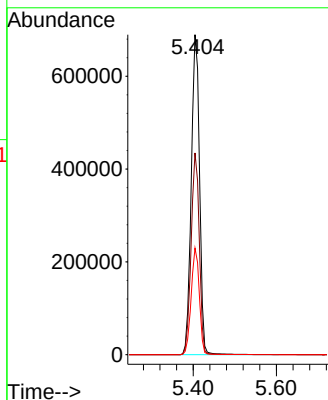
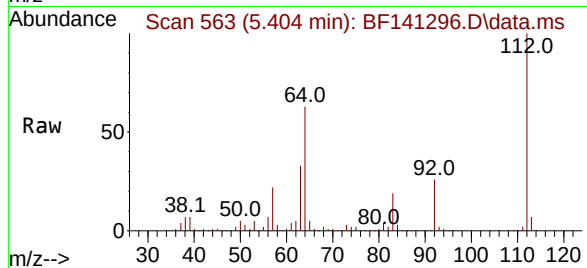
#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 95239
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.3 26.1 39.1

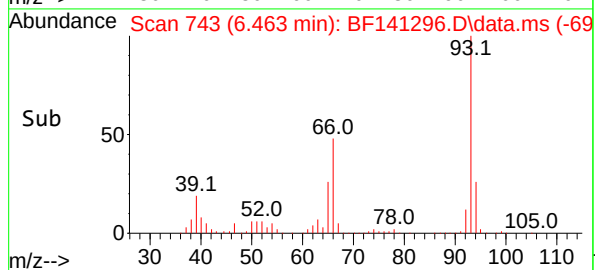
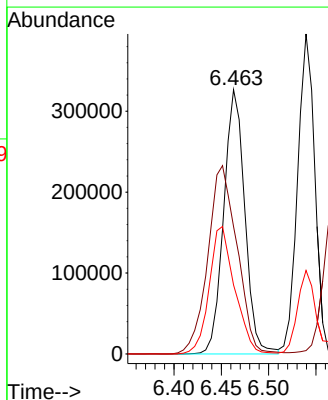
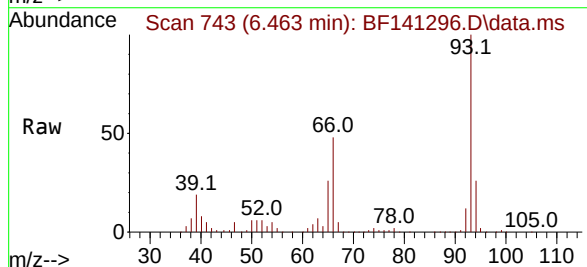
Manual Integrations
APPROVED

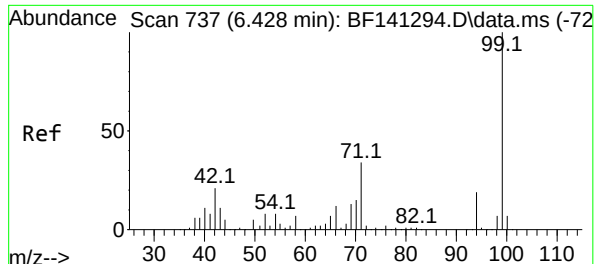
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937
Ion Ratio Lower Upper
93 100
66 48.2 32.5 48.7
65 26.1 17.0 25.6





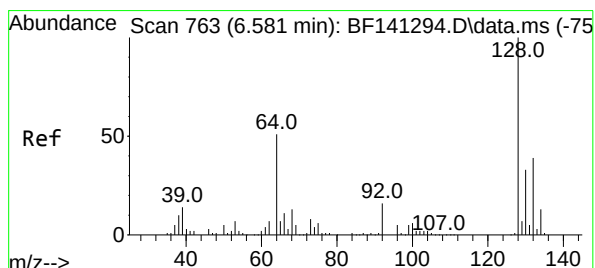
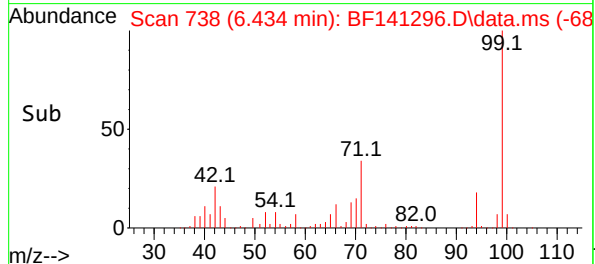
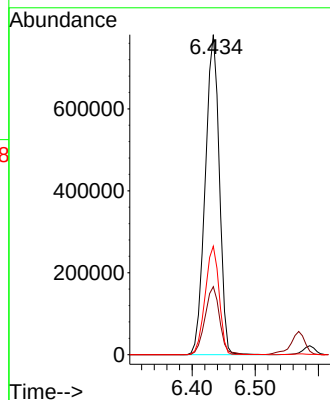
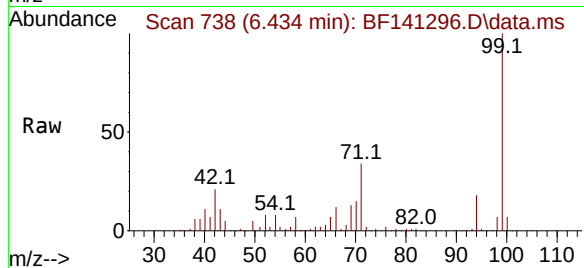
#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 121047
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 33.9 26.9 40.3

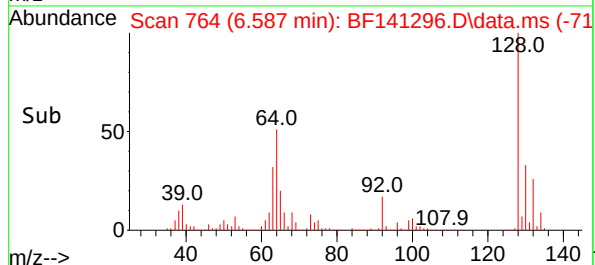
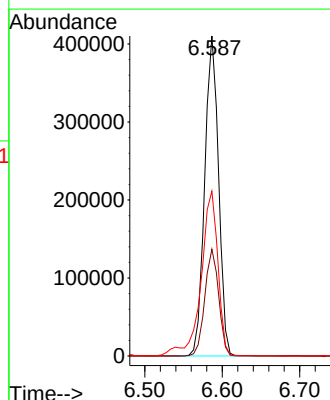
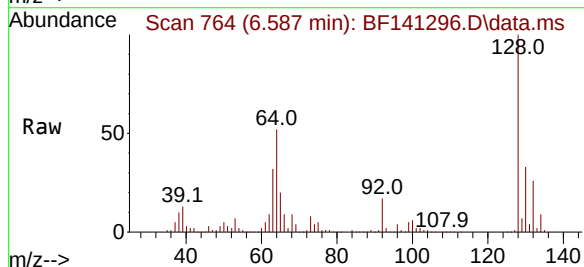
Manual Integrations
APPROVED

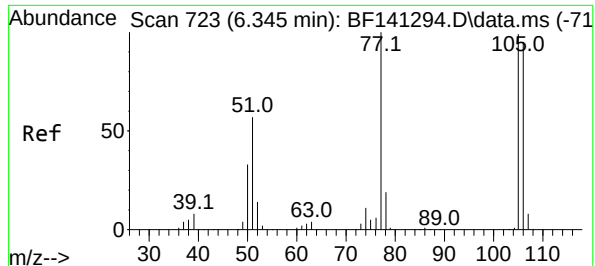
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 51.5 32.9 72.9





#9

Benzaldehyde

Concen: 48.677 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 314238

Ion Ratio Lower Upper

77 100

105 101.2 79.4 119.4

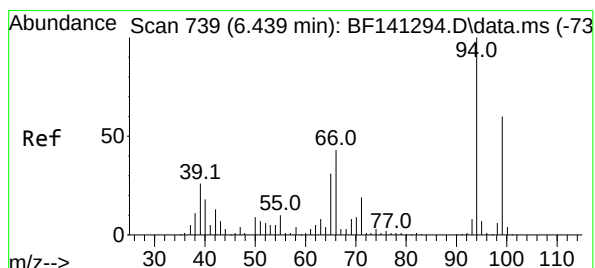
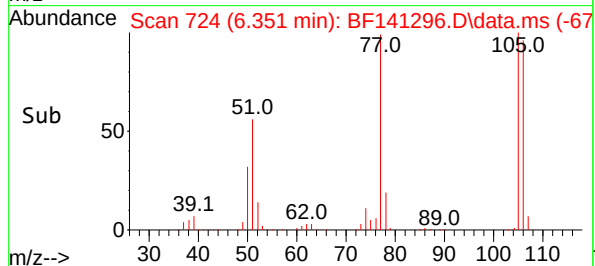
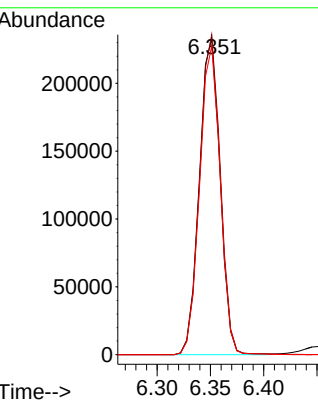
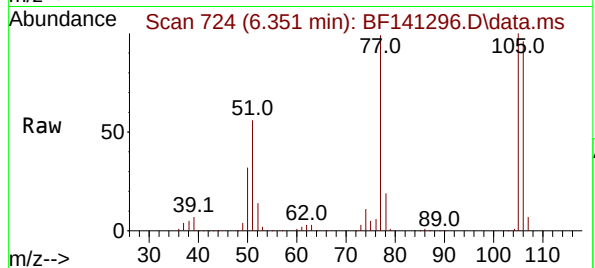
106 97.6 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 56.549 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

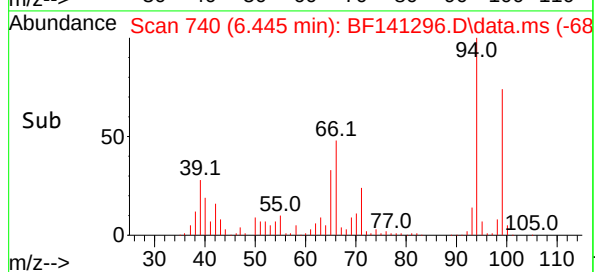
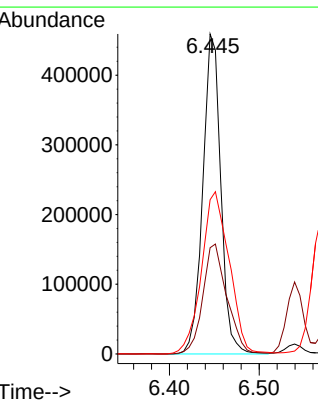
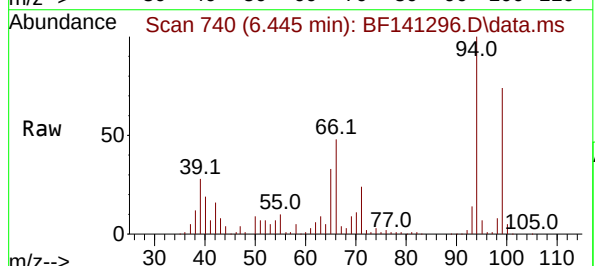
Tgt Ion: 94 Resp: 640034

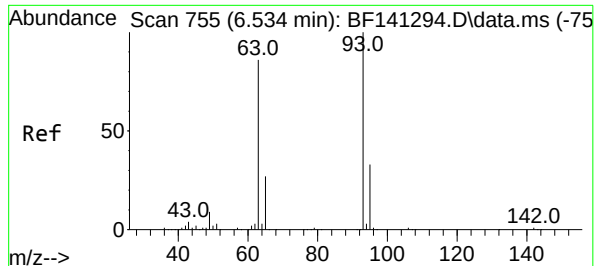
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 48.2 23.3 63.3





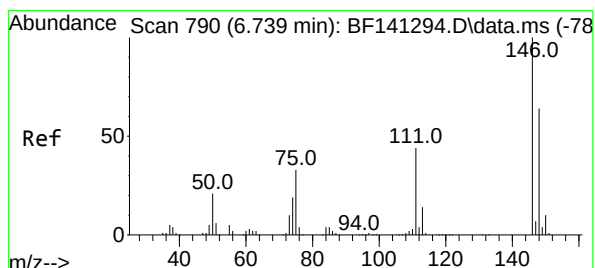
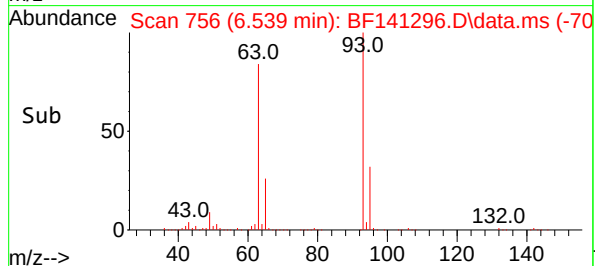
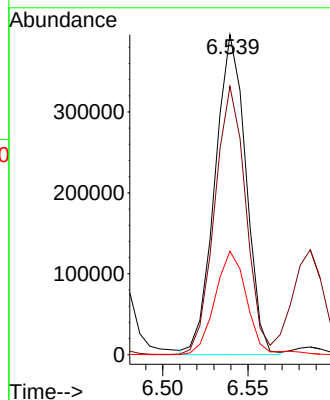
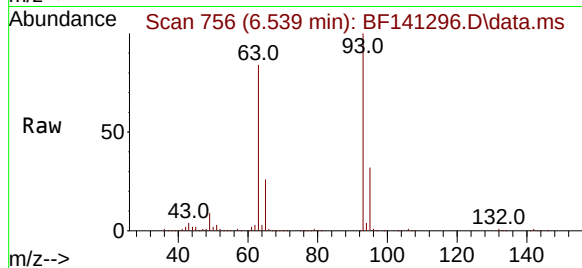
#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 49932
Ion Ratio Lower Upper
93 100
63 83.9 65.0 105.0
95 32.3 12.4 52.4

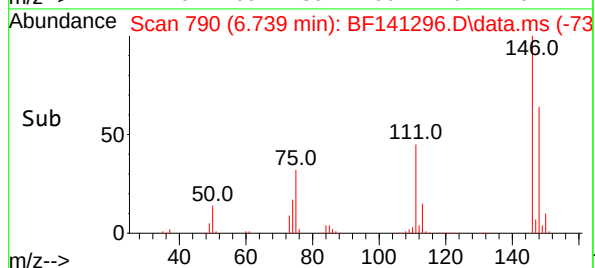
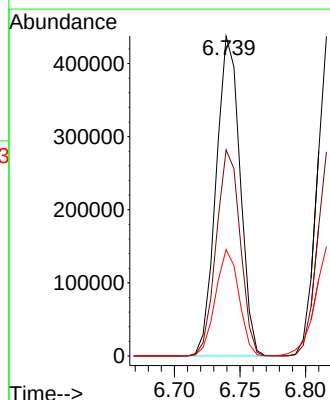
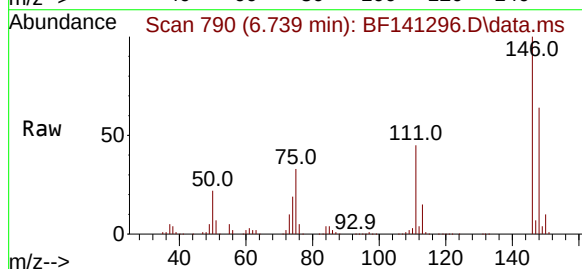
Manual Integrations
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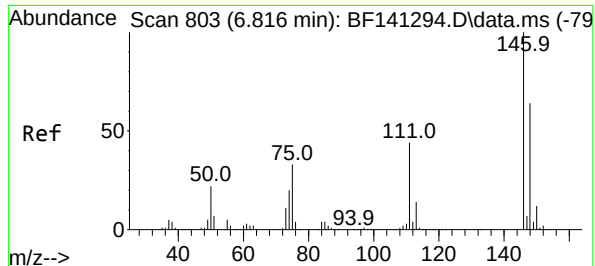
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 33.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 55.945 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 558572

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

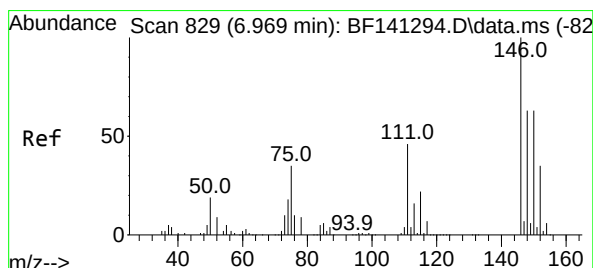
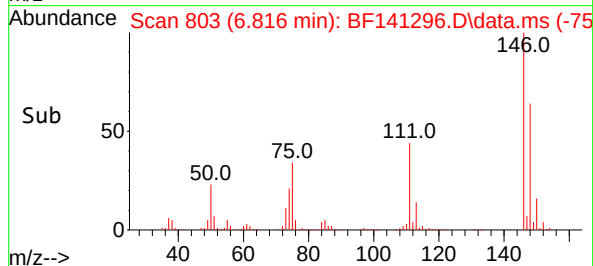
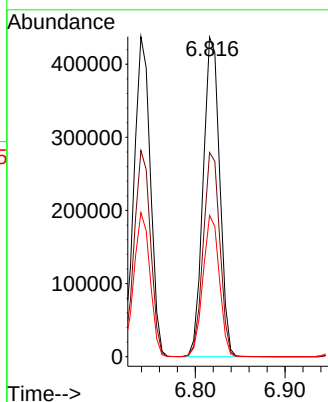
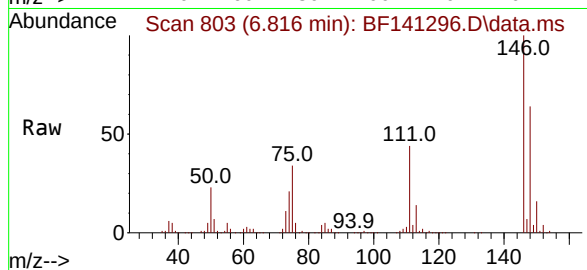
111 44.2 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 54.417 ng

RT: 6.975 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

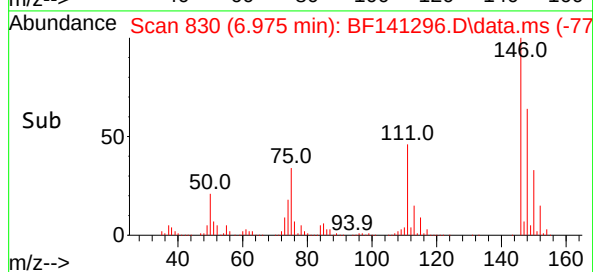
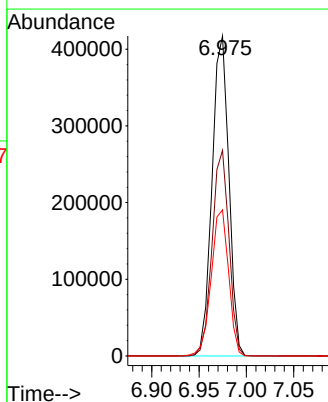
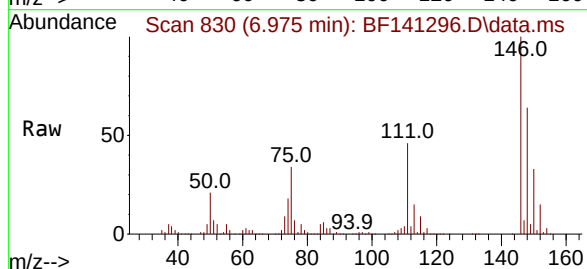
Tgt Ion:146 Resp: 513179

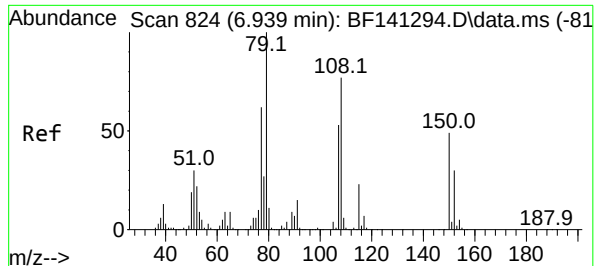
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

111 45.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 58.473 ng

RT: 6.945 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 42272

Ion Ratio Lower Upper

79 100

108 76.4 61.4 92.0

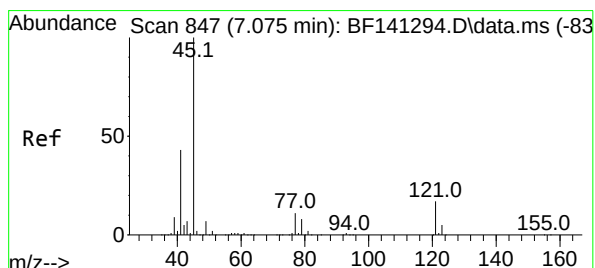
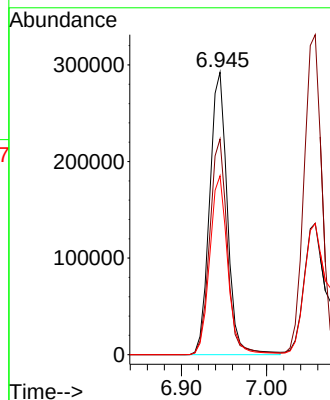
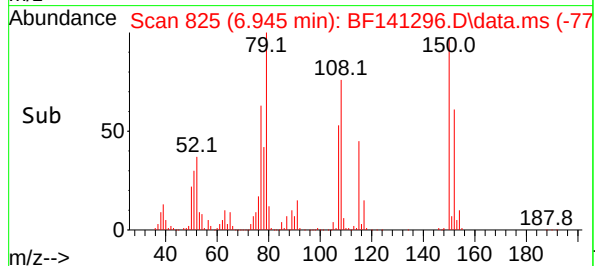
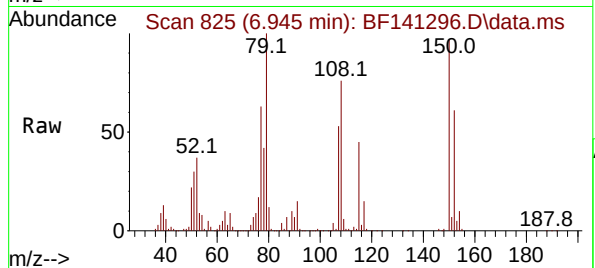
77 63.3 49.9 74.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.194 ng

RT: 7.081 min Scan# 848

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

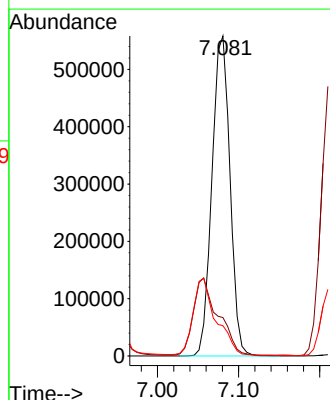
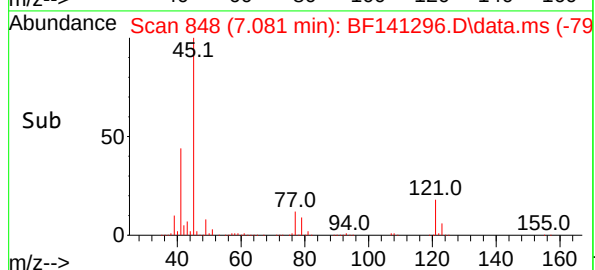
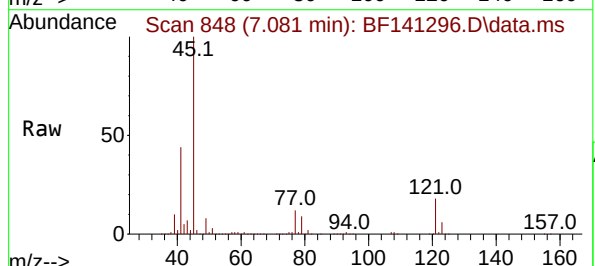
Tgt Ion: 45 Resp: 859130

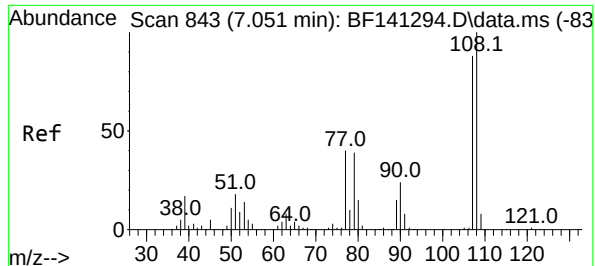
Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.8

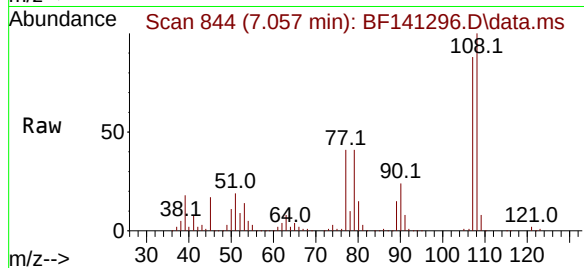
79 9.4 0.0 29.1





#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

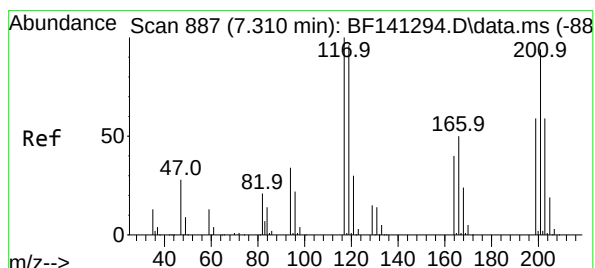
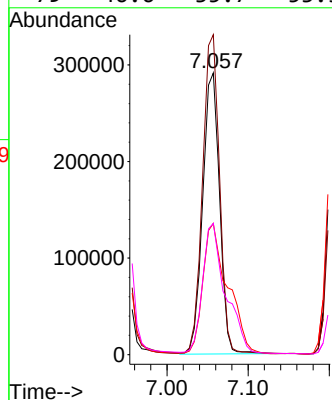
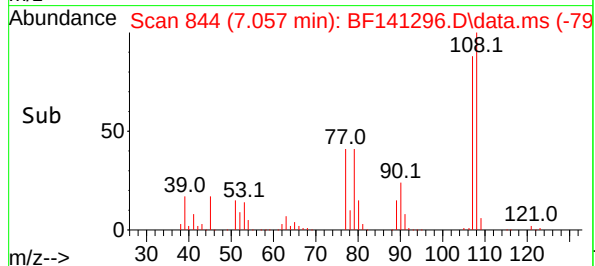
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



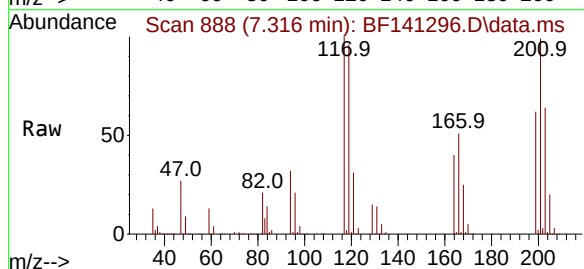
Tgt Ion:107 Resp: 42059
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 46.6 36.2 54.4
79 46.6 35.7 53.5

Manual Integrations
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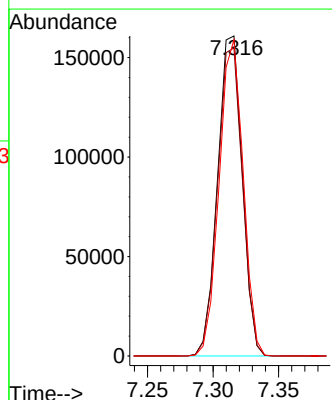
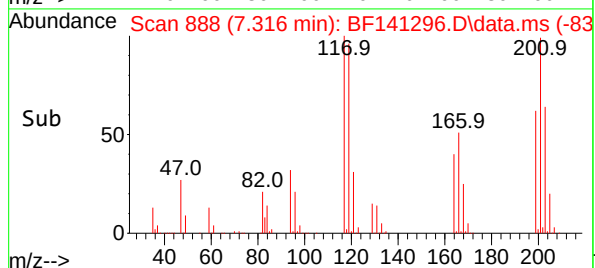
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

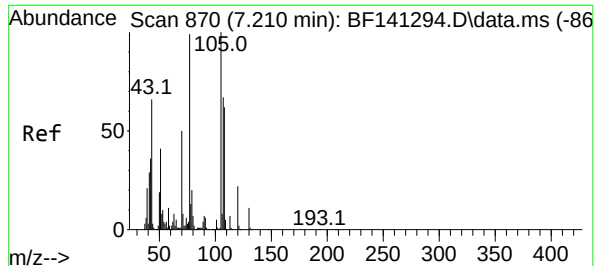


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:117 Resp: 210746
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
201 98.8 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 56.162 ng

RT: 7.222 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

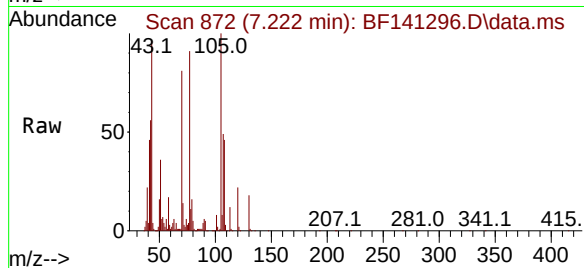
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 355030

Ion Ratio Lower Upper

70 100

42 68.3 56.8 85.2

101 10.0 7.7 11.5

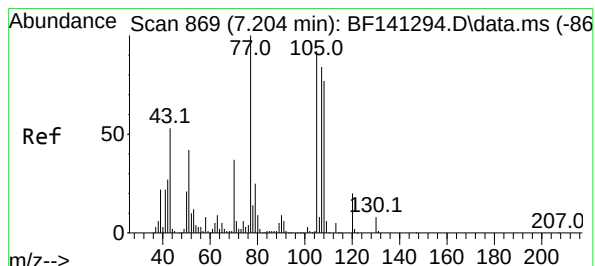
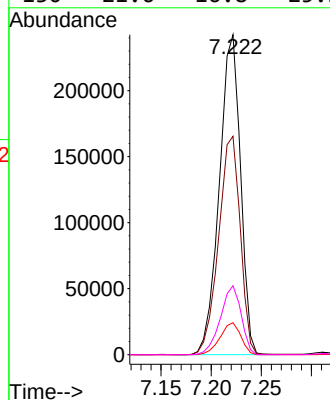
130 21.6 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

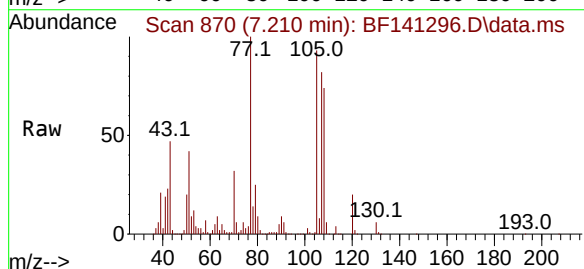
Concen: 54.781 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:107 Resp: 496888

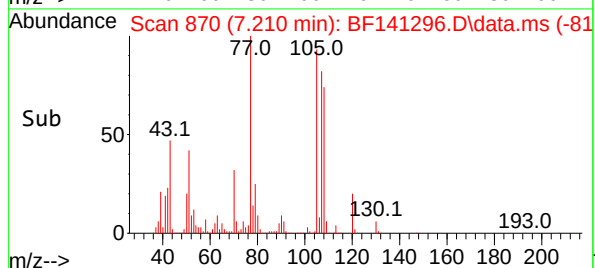
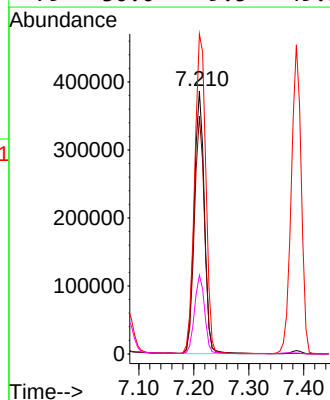
Ion Ratio Lower Upper

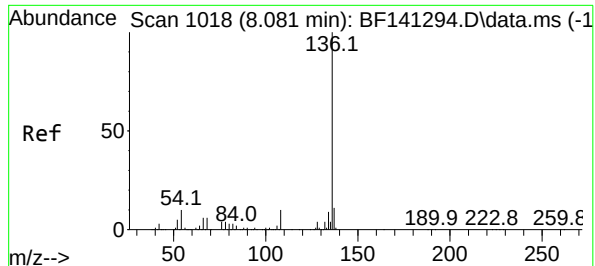
107 100

108 90.4 70.9 110.9

77 121.7 98.5 138.5

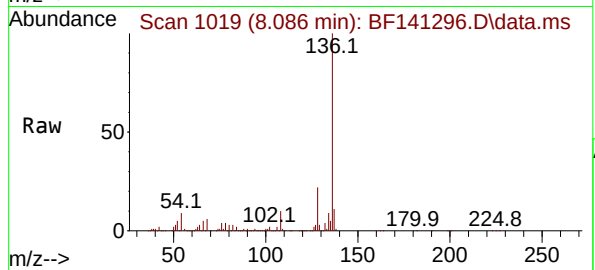
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

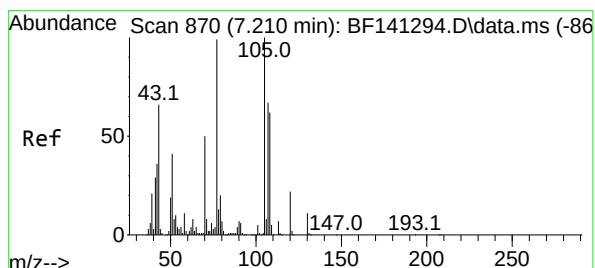
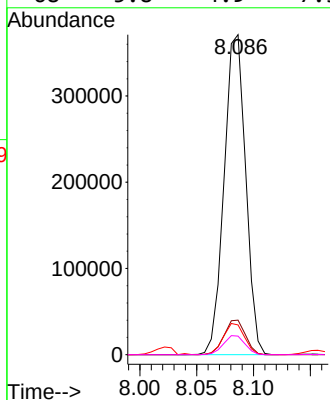
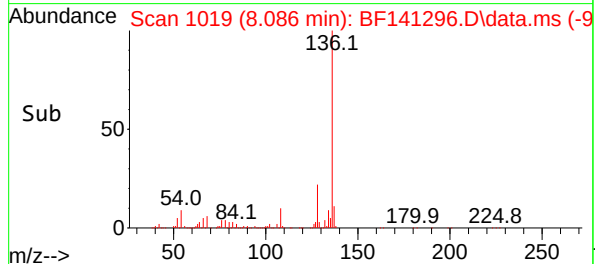
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 490777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.8 11.8
68 5.8 4.9 7.3

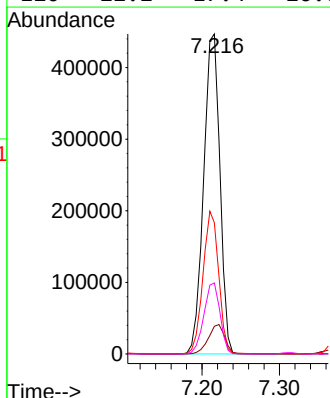
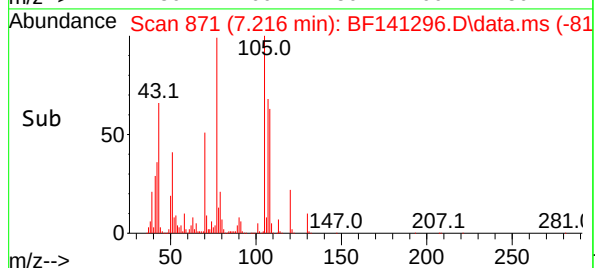
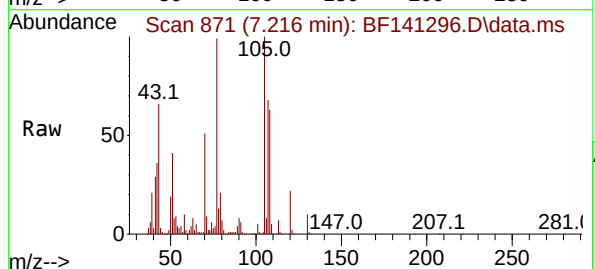
Manual Integrations
APPROVED

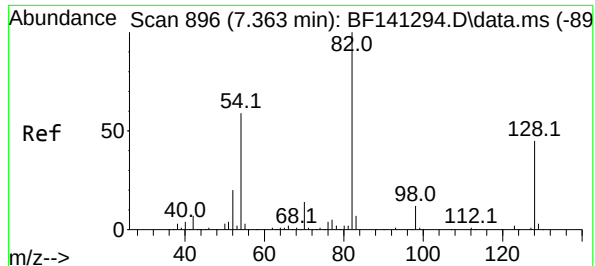
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575
Ion Ratio Lower Upper
105 100
71 8.6 6.8 10.2
51 41.0 32.6 49.0
120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 115.711 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 109819

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

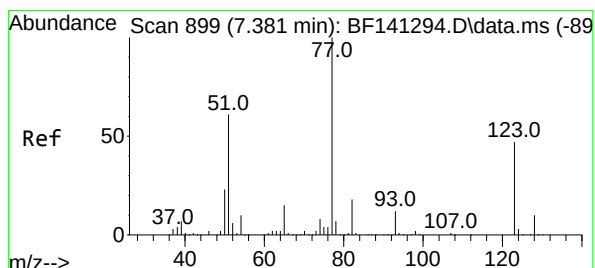
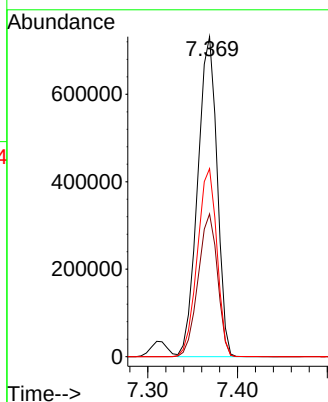
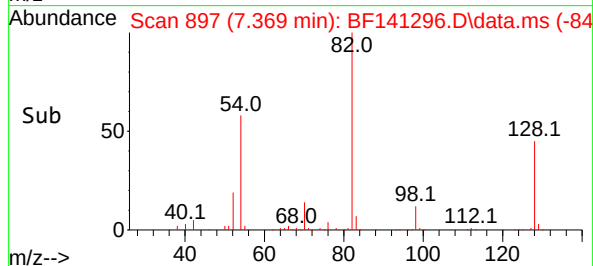
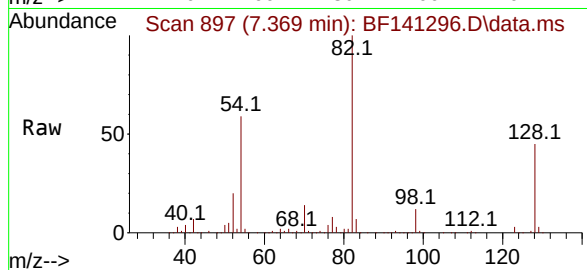
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 58.138 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

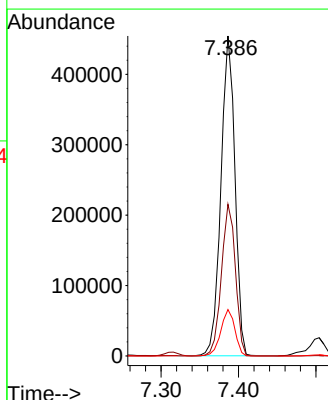
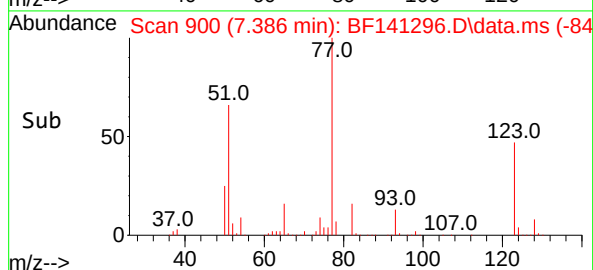
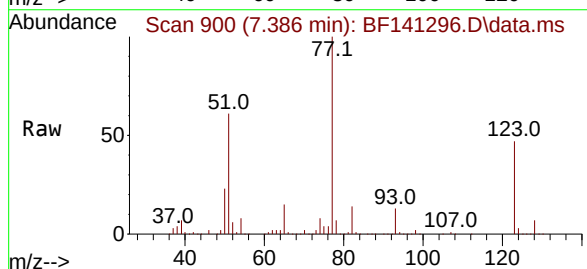
Tgt Ion: 77 Resp: 572234

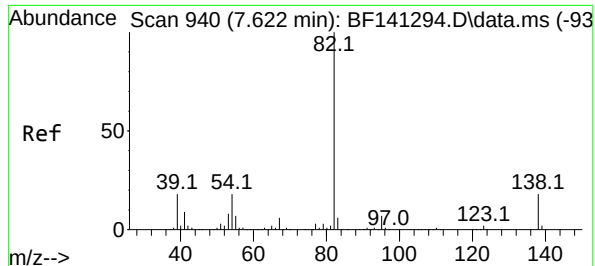
Ion Ratio Lower Upper

77 100

123 47.4 37.3 55.9

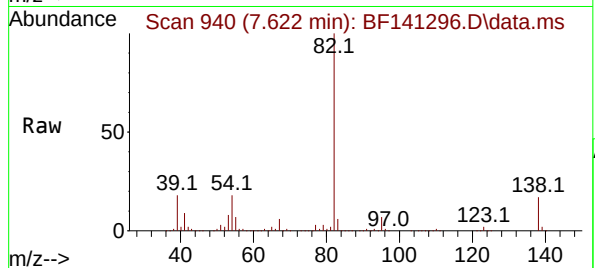
65 14.5 11.8 17.6





#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

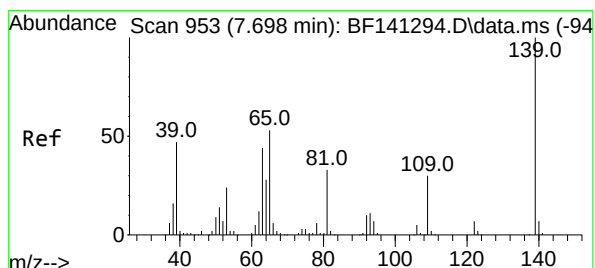
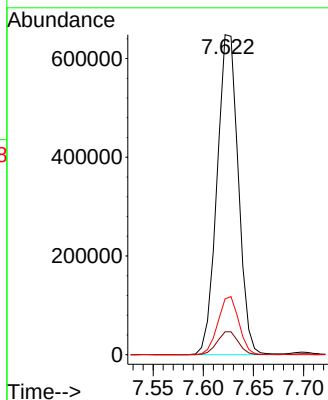
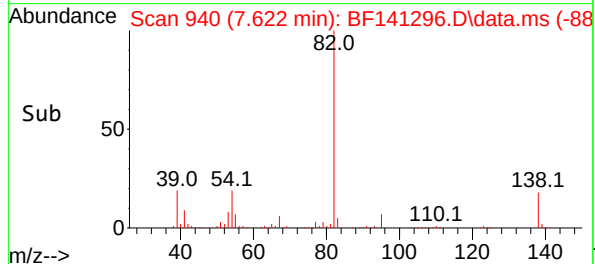
Instrument :
BNA_F
Client SampleId :
SSTDICC060



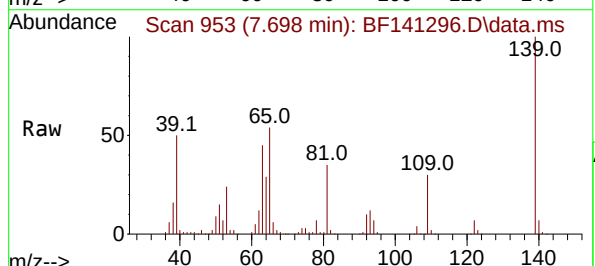
Tgt Ion: 82 Resp: 95367
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.5 14.7 22.1

Manual Integrations
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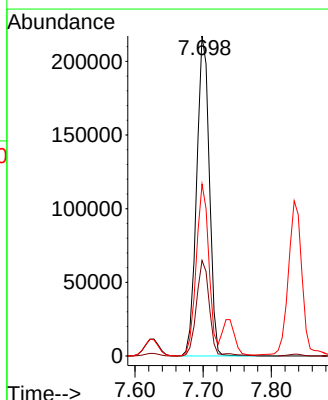
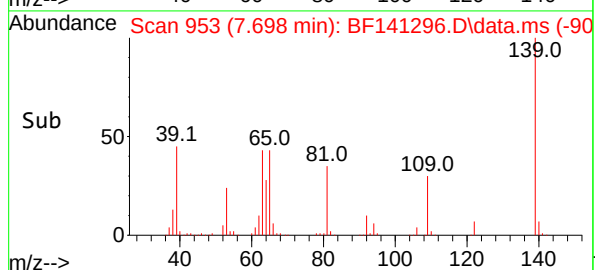
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

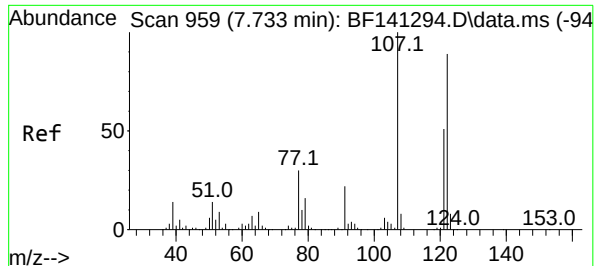


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:139 Resp: 280785
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 53.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 60.006 ng m

RT: 7.739 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 350784

Ion Ratio Lower Upper

122 100

107 110.7 89.9 134.9

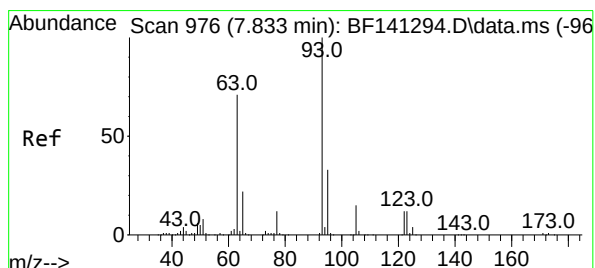
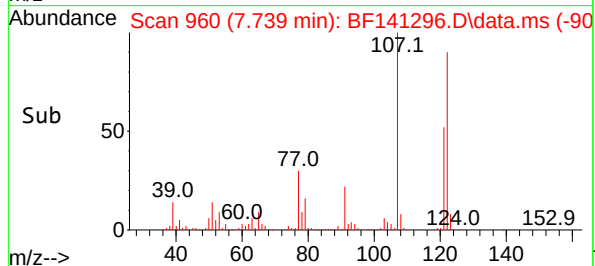
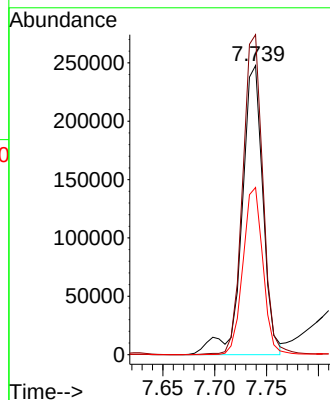
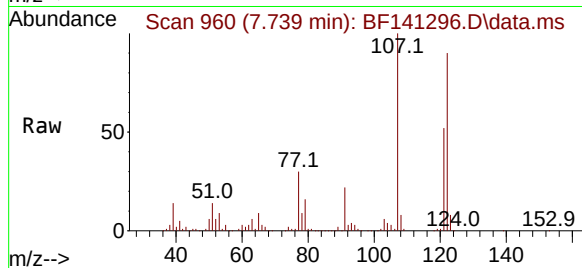
121 57.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.853 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

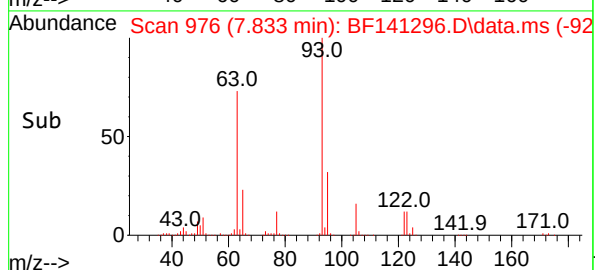
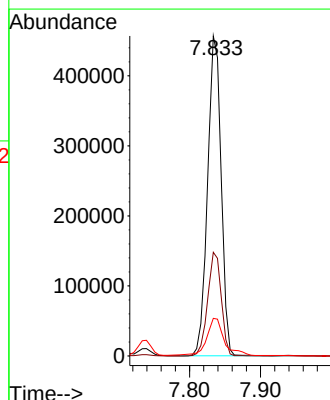
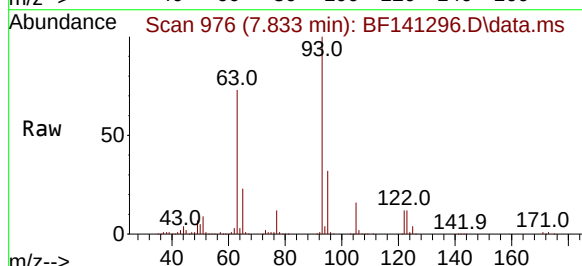
Tgt Ion: 93 Resp: 605644

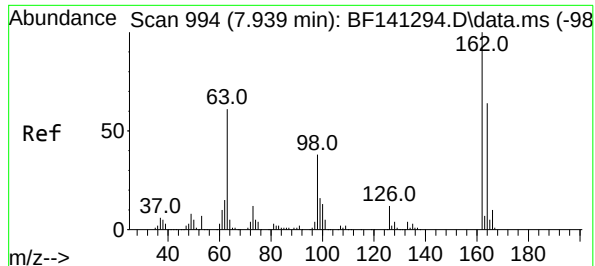
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 58.315 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 421744

Ion Ratio Lower Upper

162 100

164 63.0 44.2 84.2

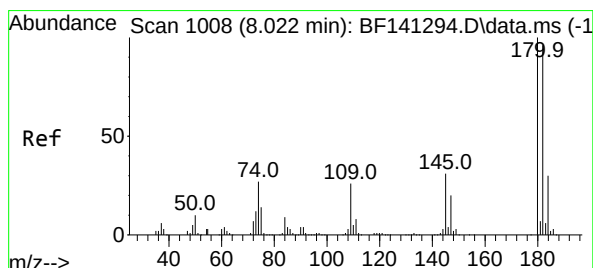
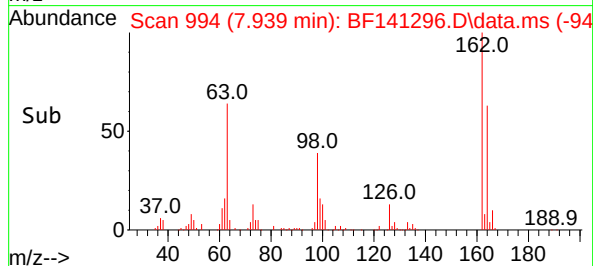
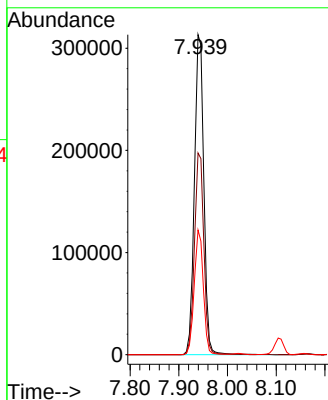
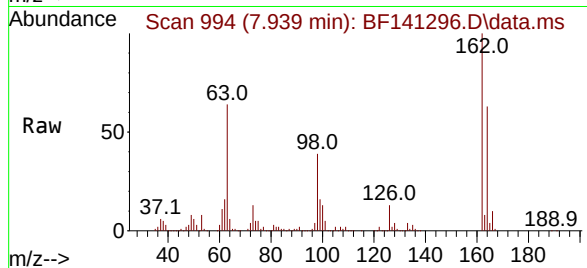
98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 55.787 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

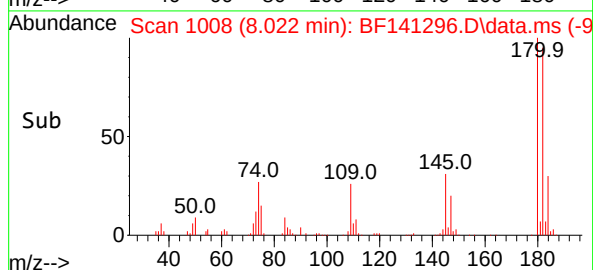
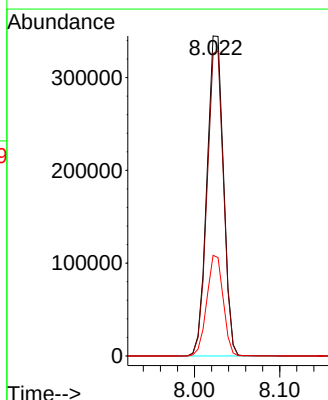
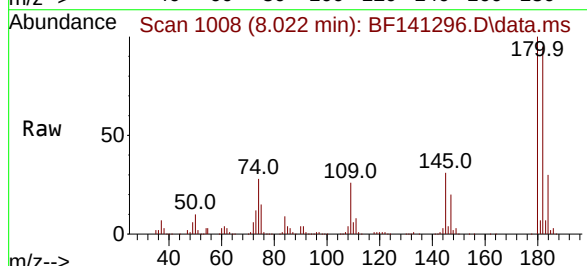
Tgt Ion:180 Resp: 465841

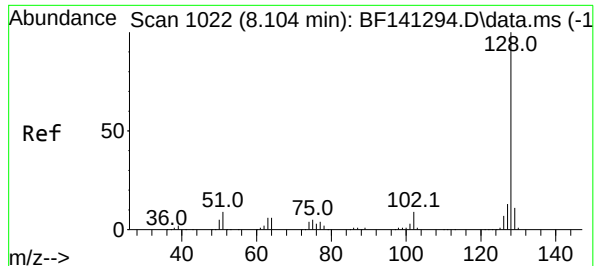
Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

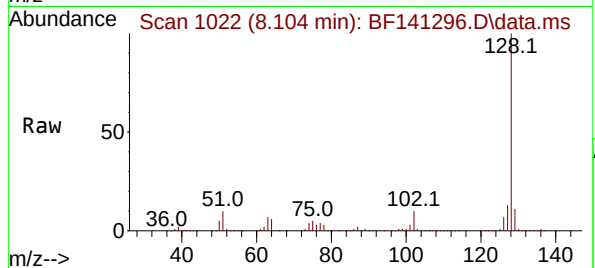
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

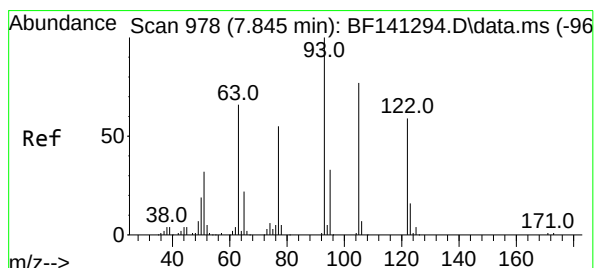
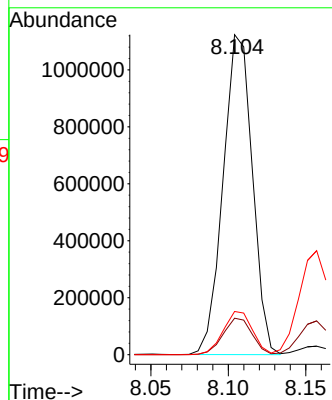
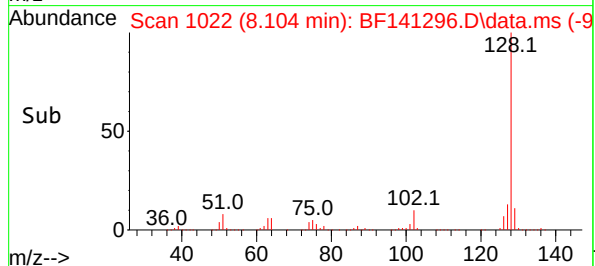
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1475900
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.5 10.6 15.8

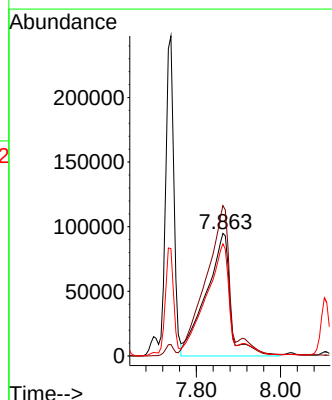
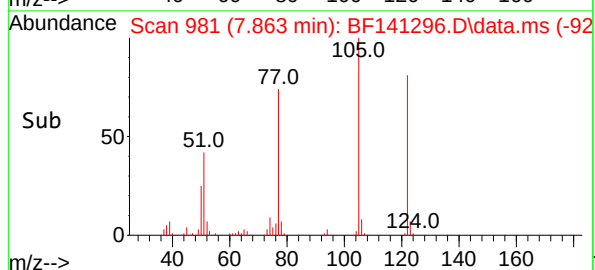
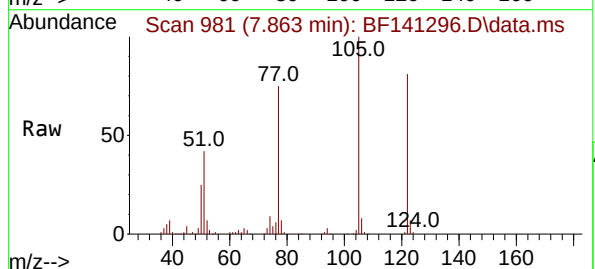
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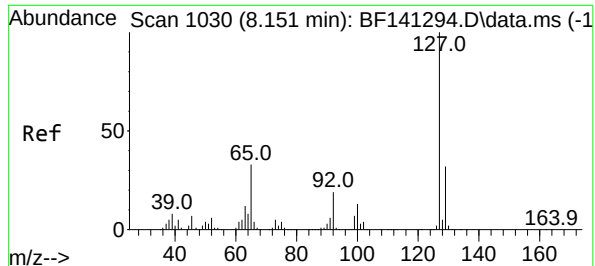
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664
Ion Ratio Lower Upper
122 100
105 122.7 103.4 143.4
77 91.6 70.9 110.9





#33

4-Chloroaniline

Concen: 56.786 ng

RT: 8.157 min Scan# 1030

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 513149

Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 31.7 26.4 39.6

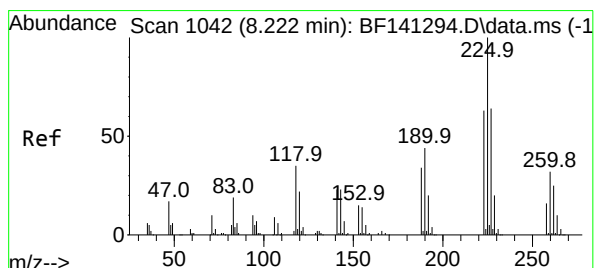
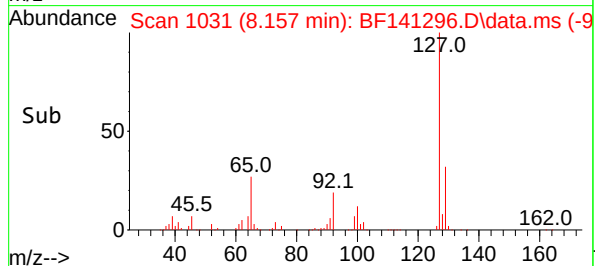
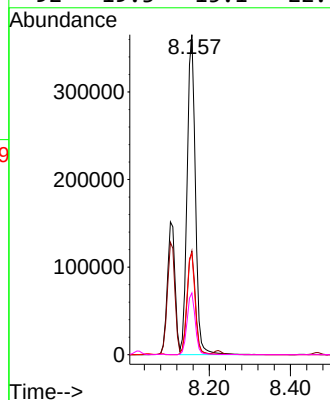
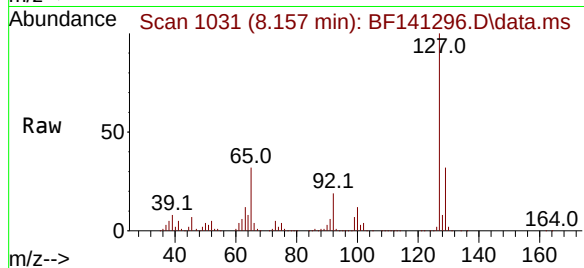
92 19.3 15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 56.533 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

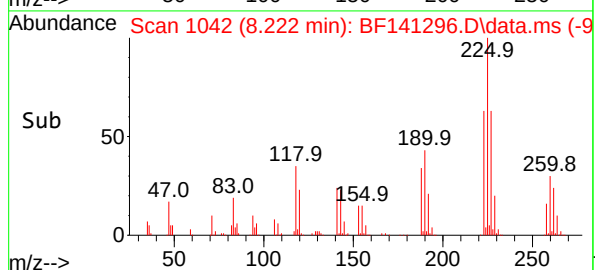
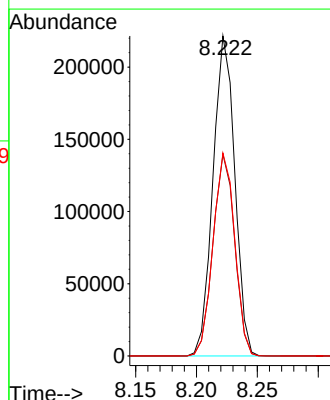
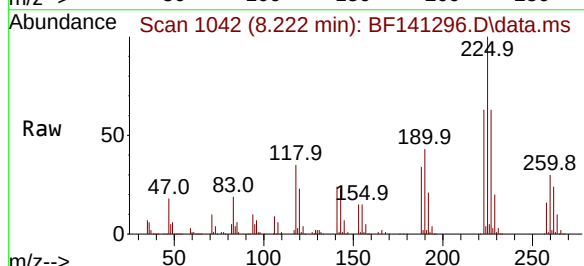
Tgt Ion:225 Resp: 275524

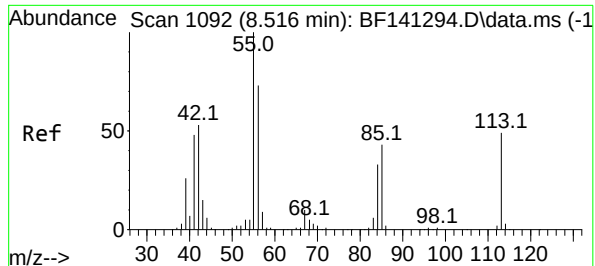
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

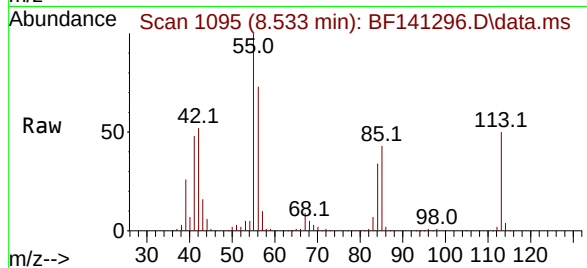
227 63.4 51.3 76.9





#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1095
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

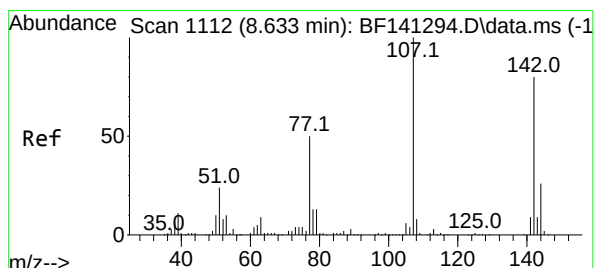
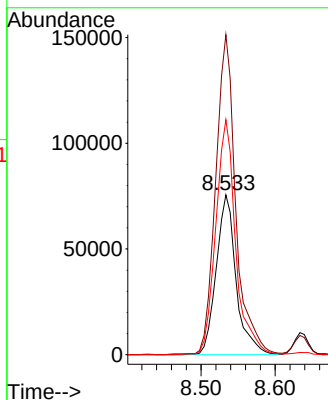
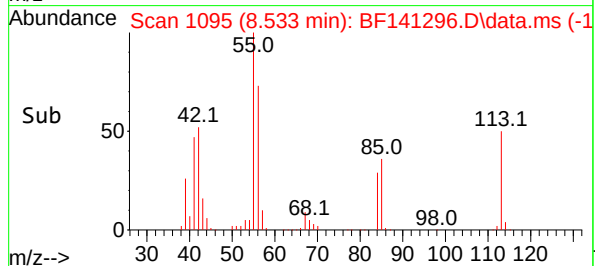
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 14102
Ion Ratio Lower Upper
113 100
55 200.2 182.9 222.9
56 147.0 127.9 167.9

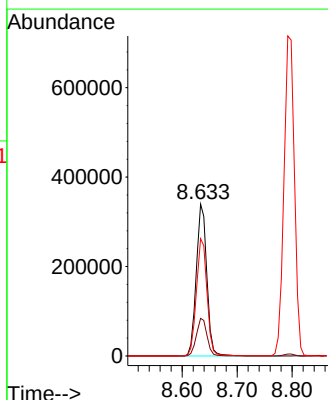
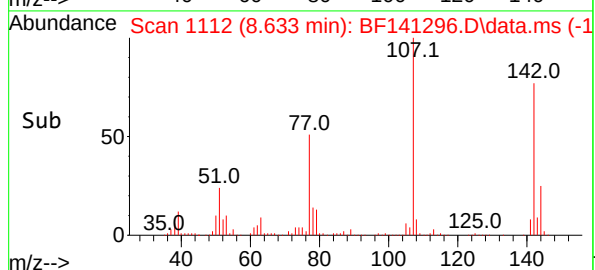
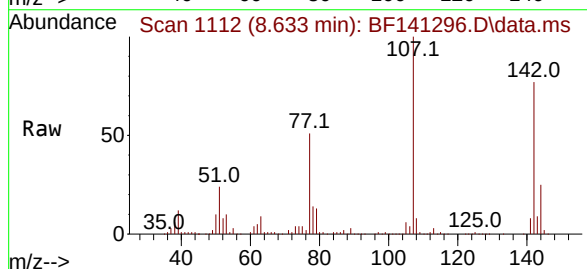
Manual Integrations
APPROVED

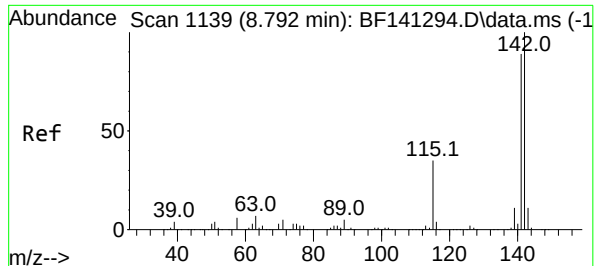
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

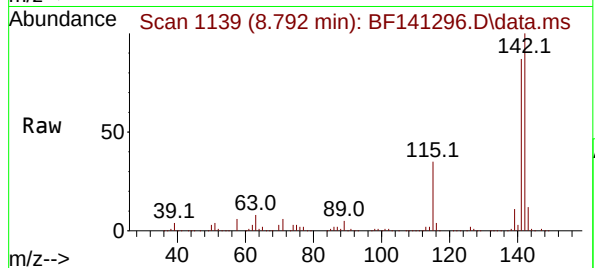
Tgt Ion:107 Resp: 452438
Ion Ratio Lower Upper
107 100
144 24.8 20.7 31.1
142 77.2 63.8 95.8





#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

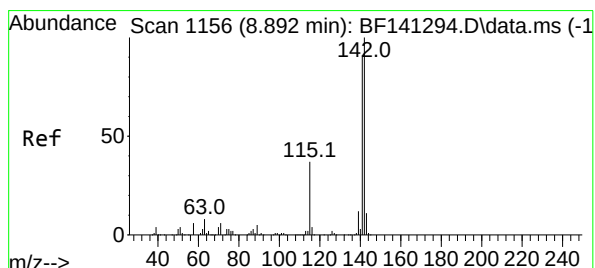
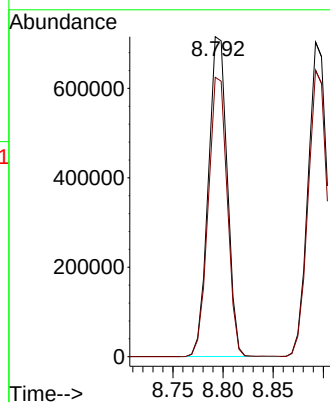
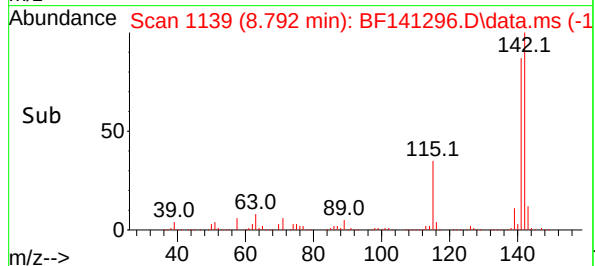
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 94115
Ion Ratio Lower Upper
142 100
141 87.3 71.3 106.9

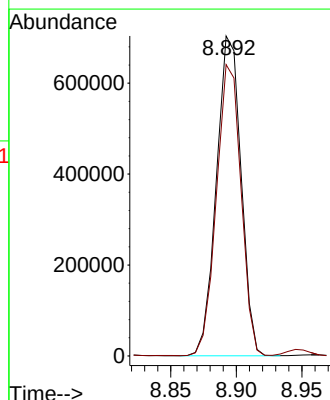
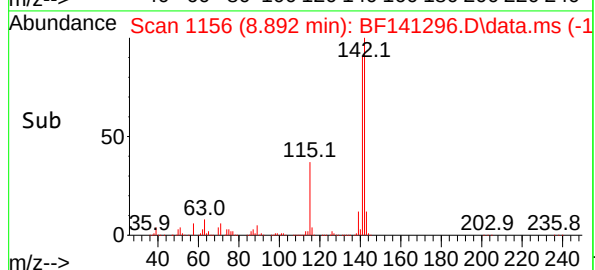
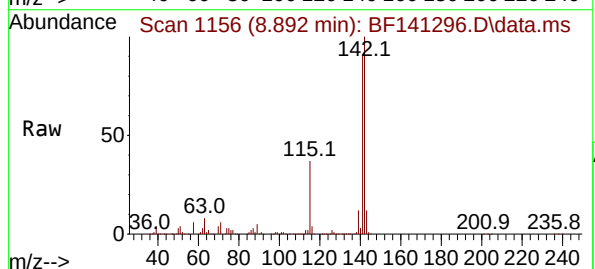
Manual Integrations
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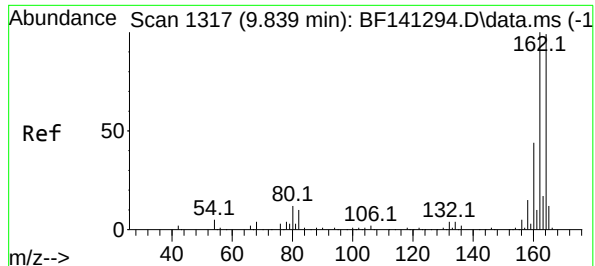
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141296.D

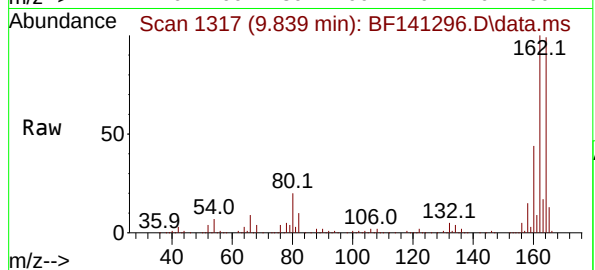
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 260269

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

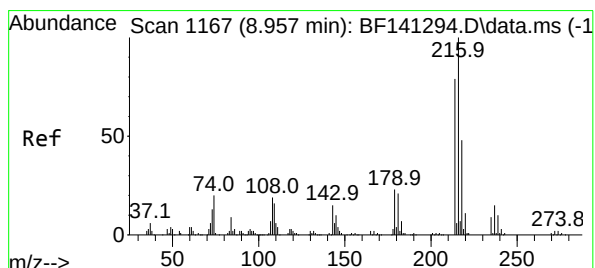
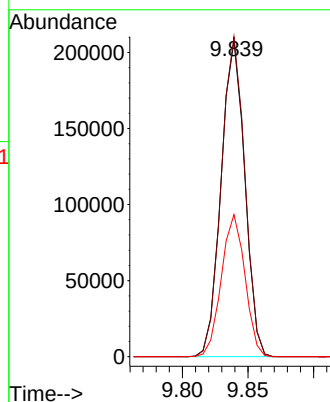
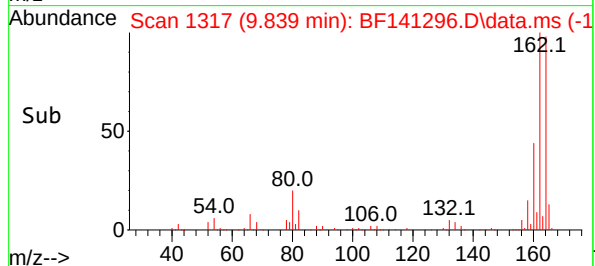
160 45.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

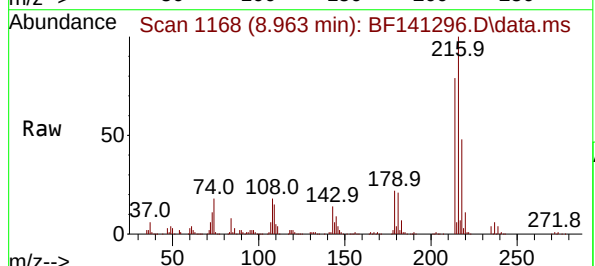
Concen: 56.609 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:216 Resp: 430239

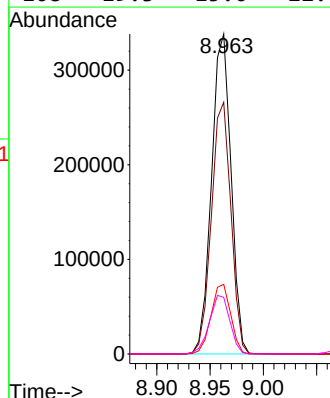
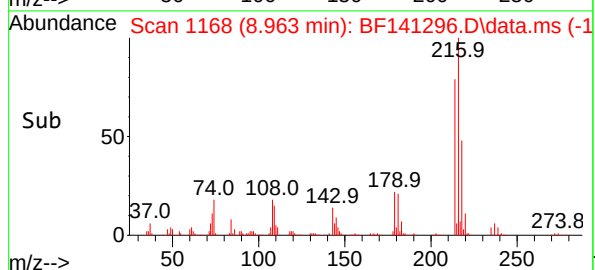
Ion Ratio Lower Upper

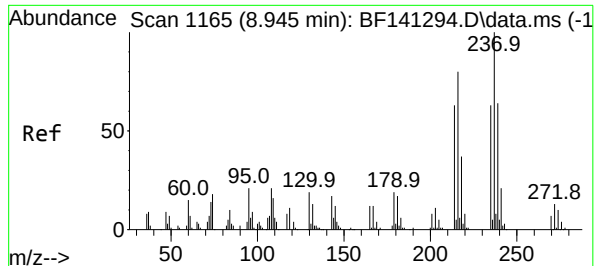
216 100

214 78.9 63.2 94.8

179 22.0 17.8 26.8

108 19.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 66.154 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

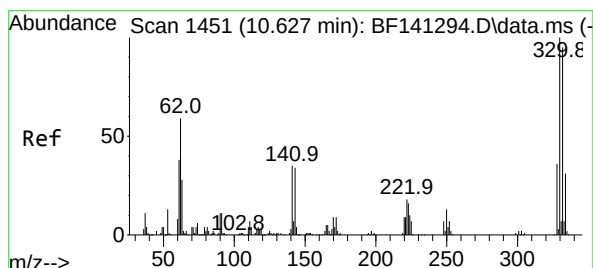
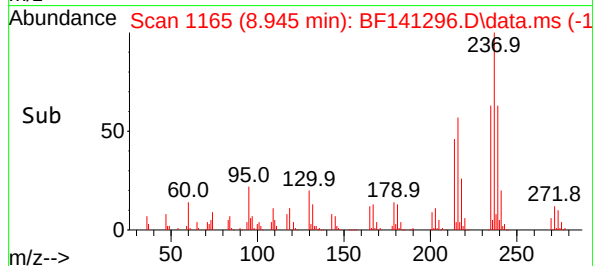
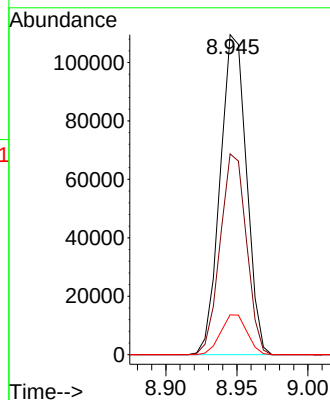
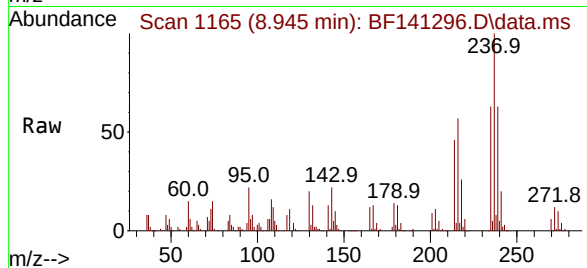
ClientSampleId :

SSTDICC060

Tgt Ion:	237	Resp:	14138
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.9	82.9
272	12.5	0.0	32.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 113.824 ng

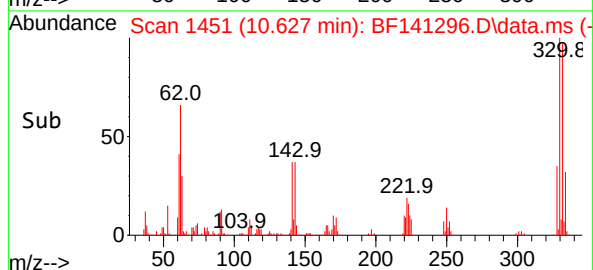
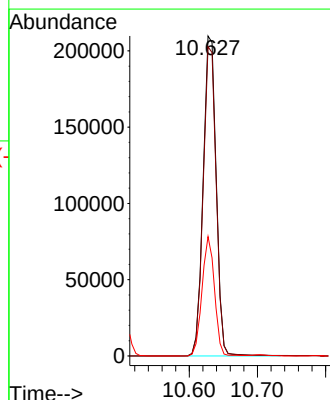
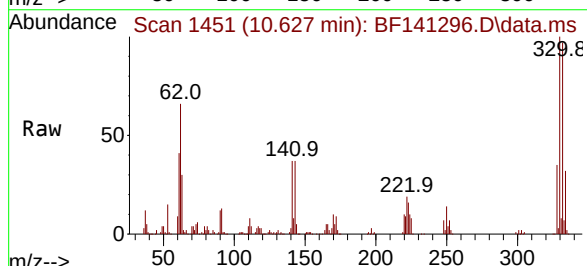
RT: 10.627 min Scan# 1451

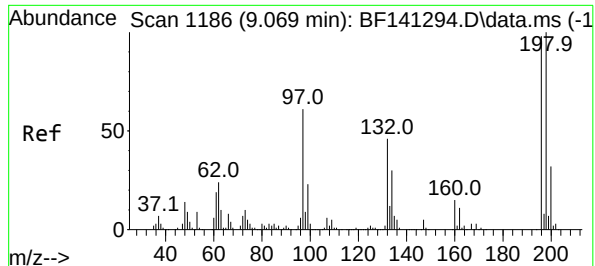
Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion:	330	Resp:	279105
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.1	114.1
141	35.8	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 58.588 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BF141296.D

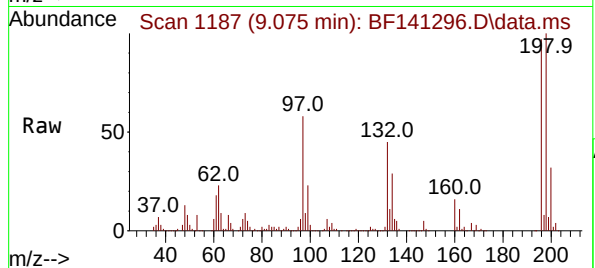
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 288290

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

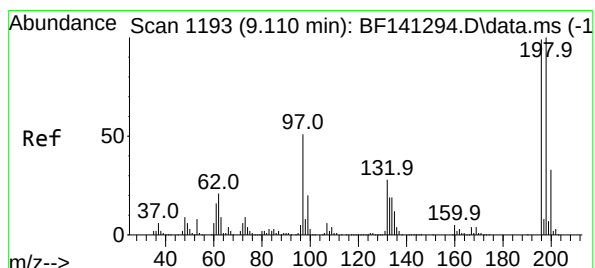
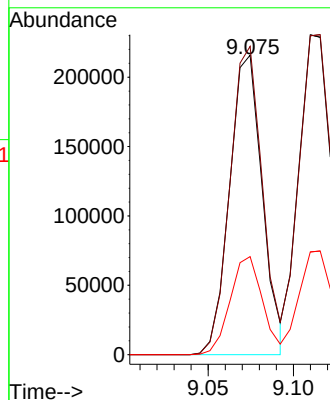
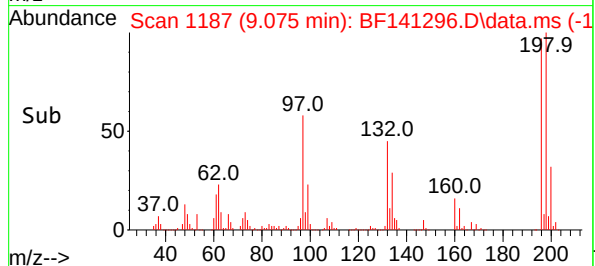
200 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

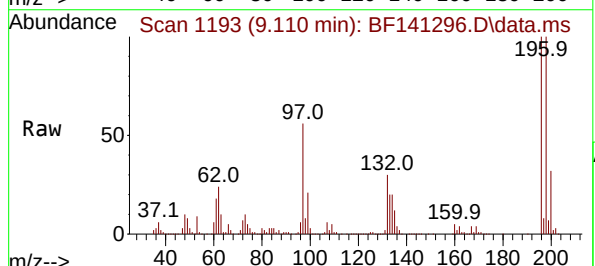
Concen: 59.000 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:196 Resp: 314912

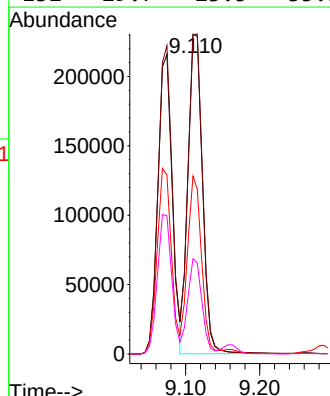
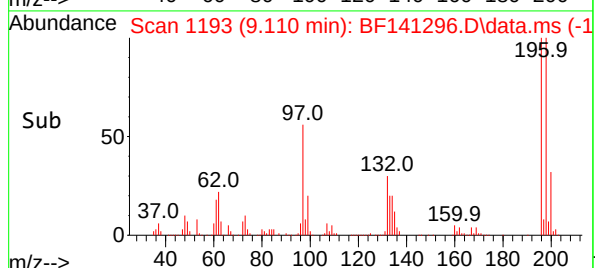
Ion Ratio Lower Upper

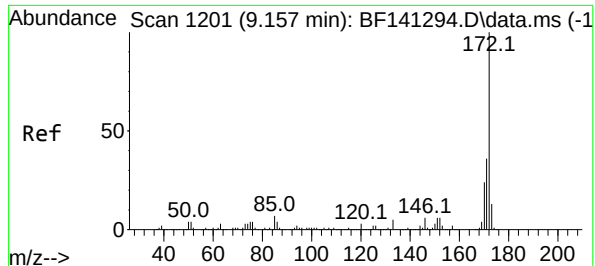
196 100

198 99.7 80.5 120.7

97 55.7 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 102.411 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:172 Resp: 1824372

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

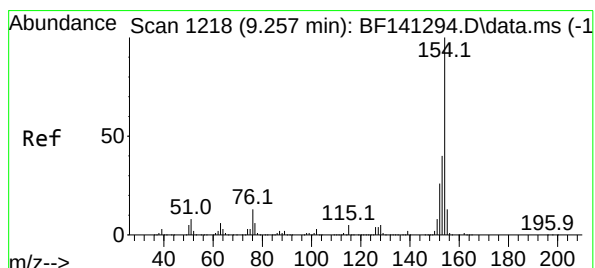
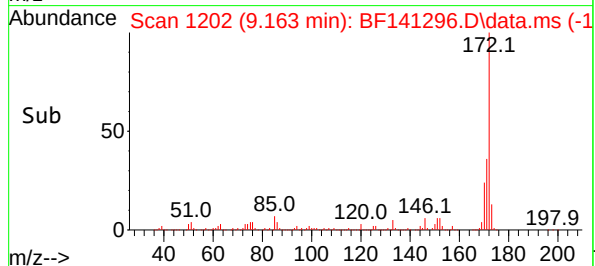
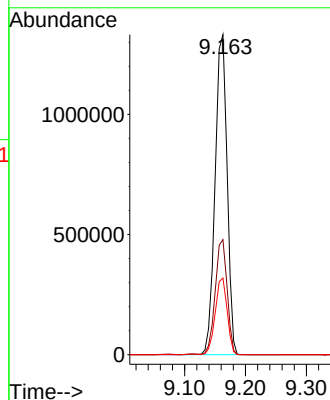
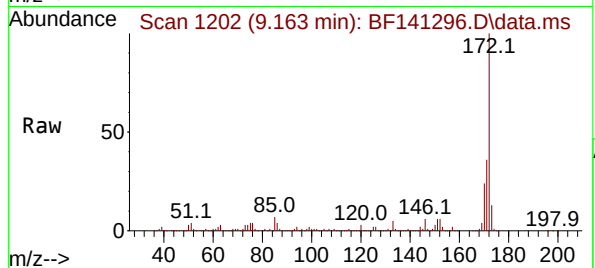
170 24.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 54.084 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

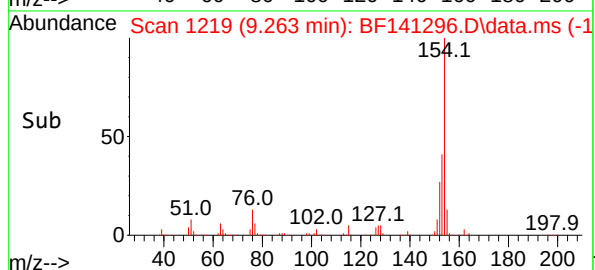
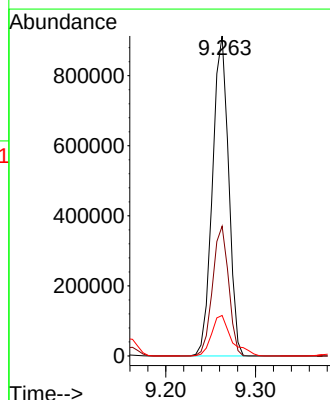
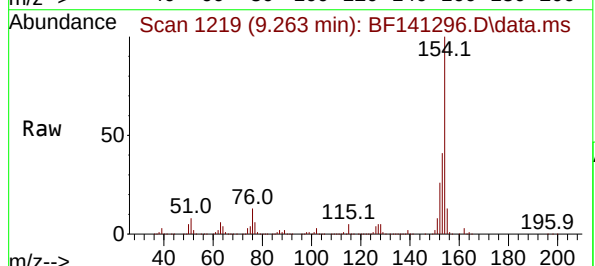
Tgt Ion:154 Resp: 1139946

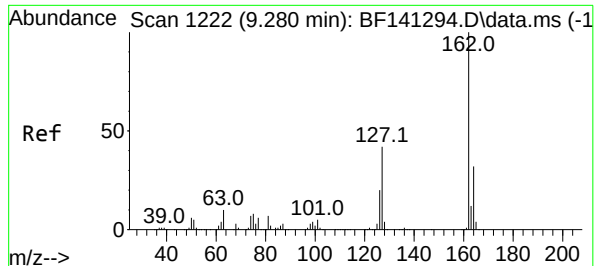
Ion Ratio Lower Upper

154 100

153 40.6 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.247 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 90256

Ion Ratio Lower Upper

162 100

127 41.8 33.7 50.5

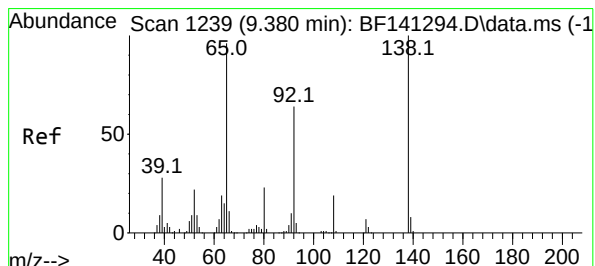
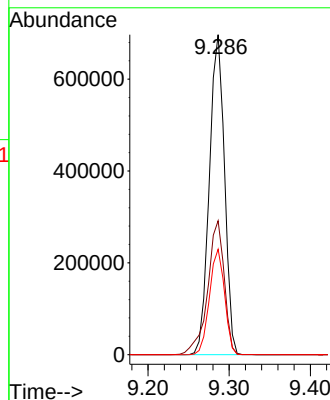
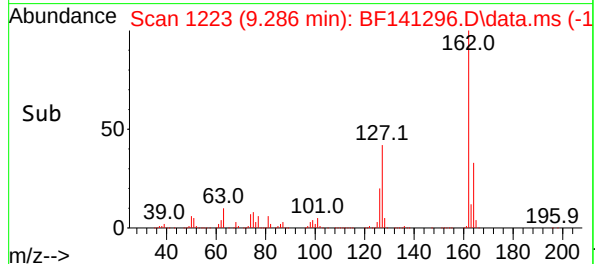
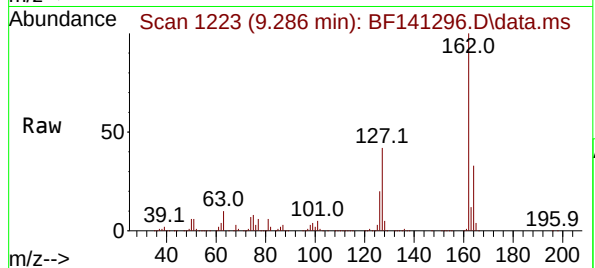
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 59.861 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

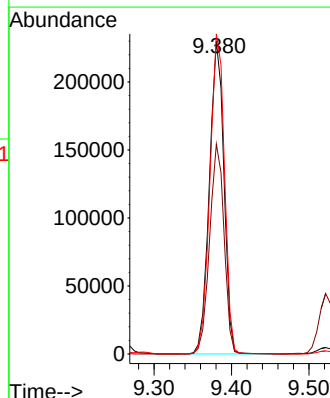
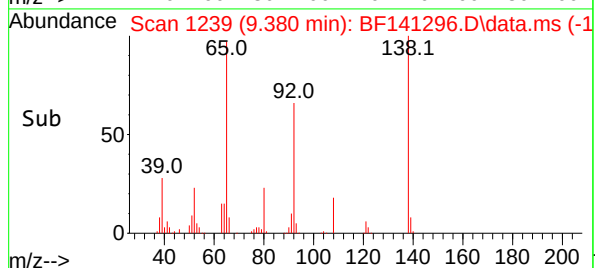
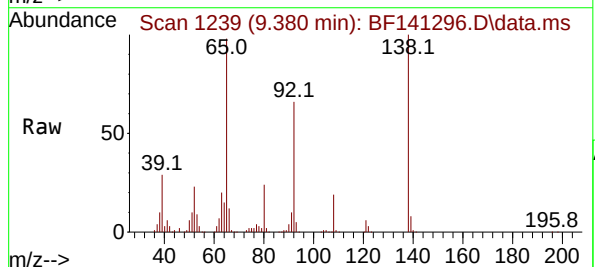
Tgt Ion: 65 Resp: 300339

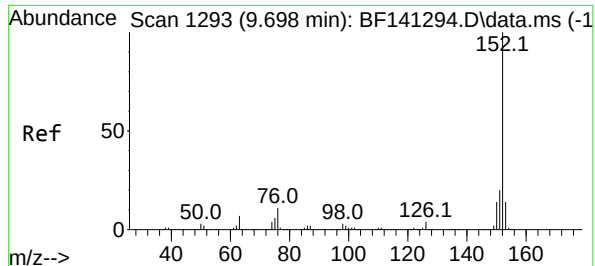
Ion Ratio Lower Upper

65 100

92 67.1 53.3 79.9

138 102.3 83.6 125.4





#49

Acenaphthylene

Concen: 54.924 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

Tgt Ion:152 Resp: 125873

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

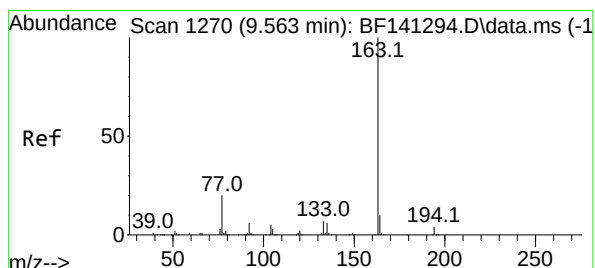
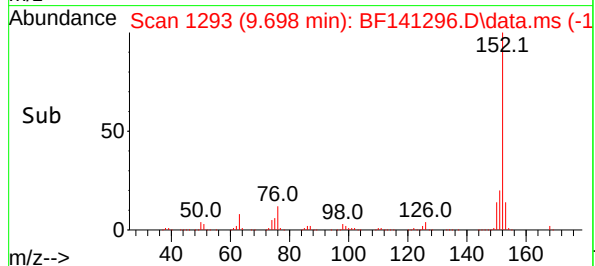
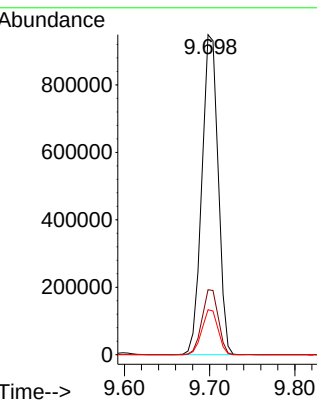
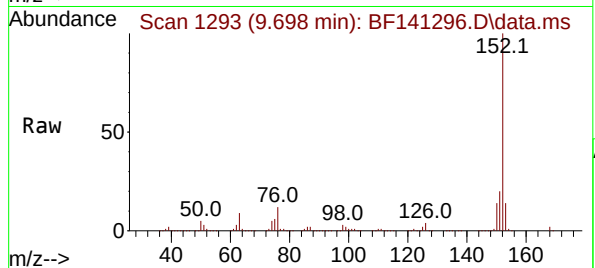
153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 56.075 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

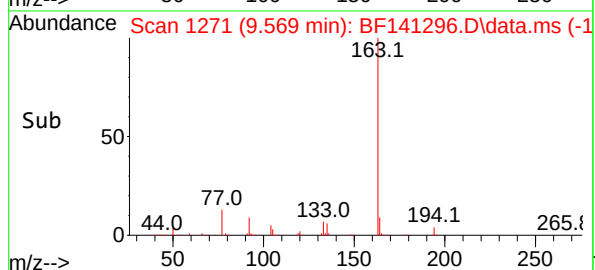
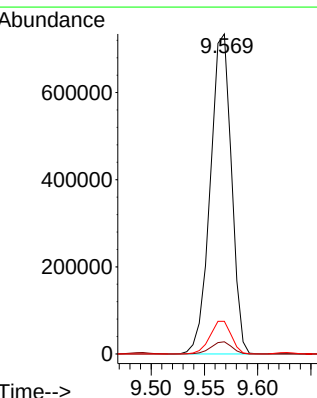
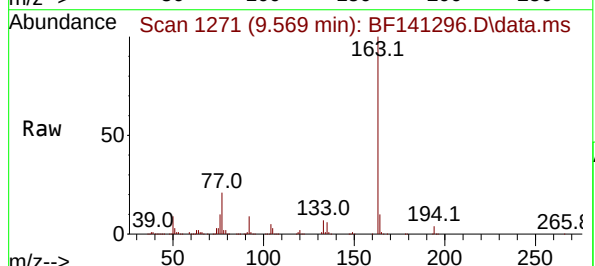
Tgt Ion:163 Resp: 1012298

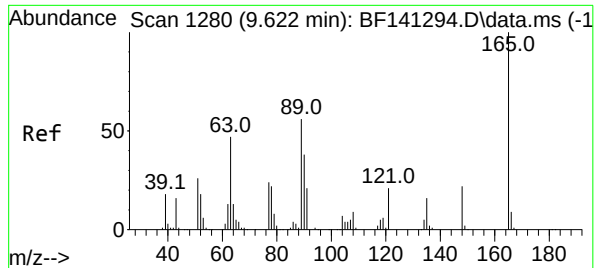
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

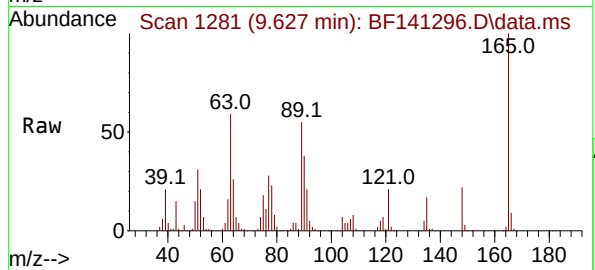
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

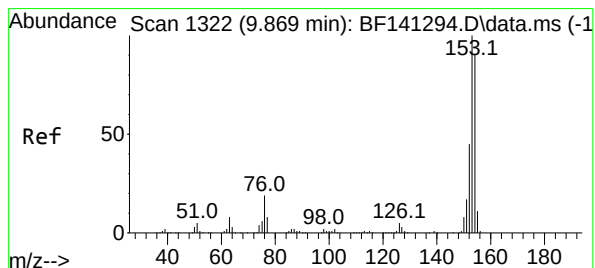
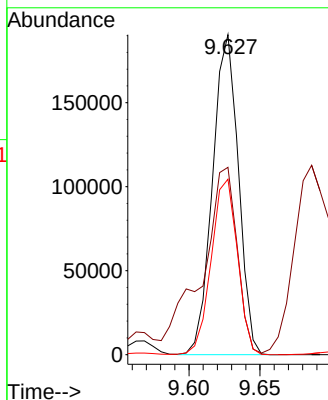
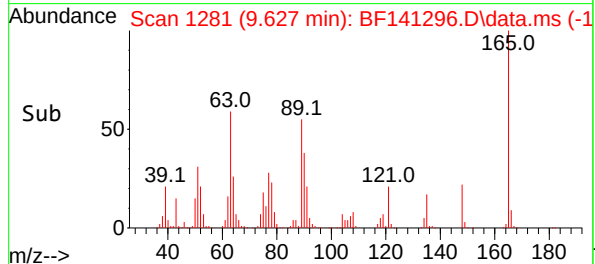
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 24124
Ion Ratio Lower Upper
165 100
63 58.5 48.1 72.1
89 54.8 44.9 67.3

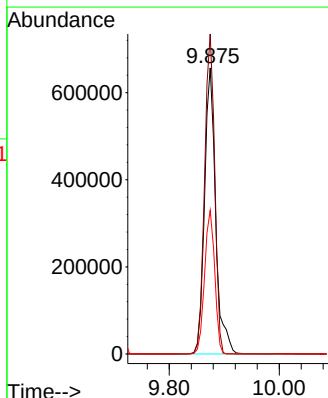
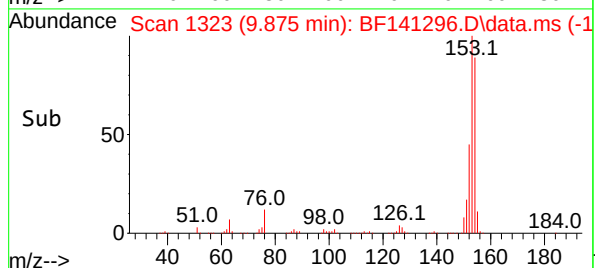
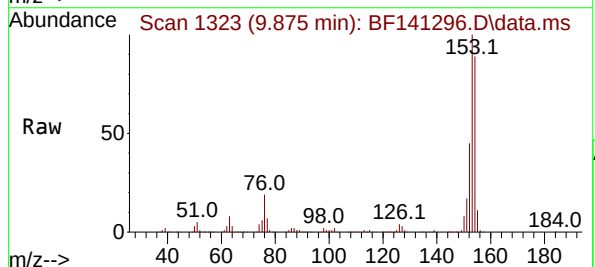
Manual Integrations
APPROVED

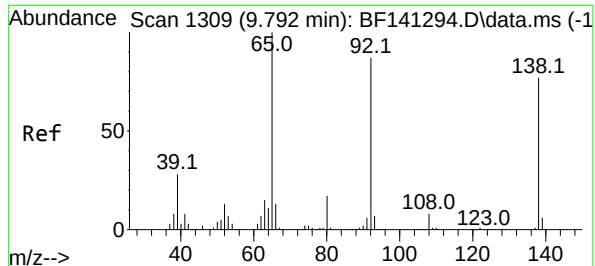
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

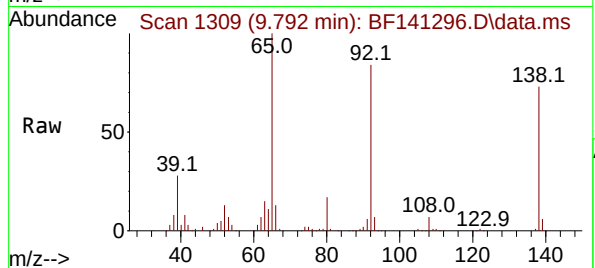
Tgt Ion:154 Resp: 921519
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

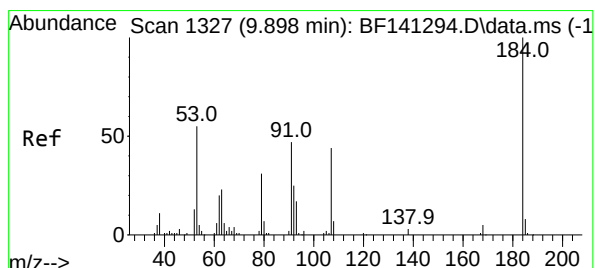
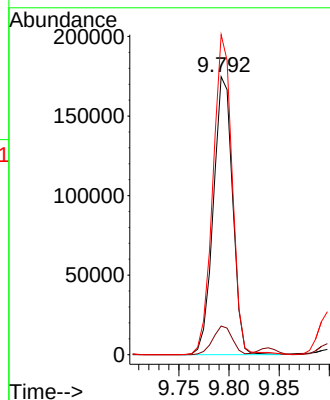
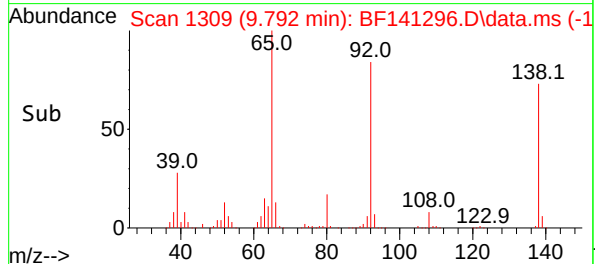
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 232680
Ion Ratio Lower Upper
138 100
108 10.3 8.6 12.8
92 115.2 91.0 136.6

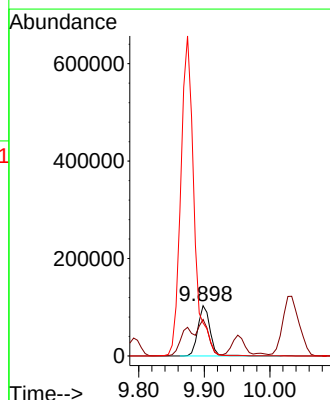
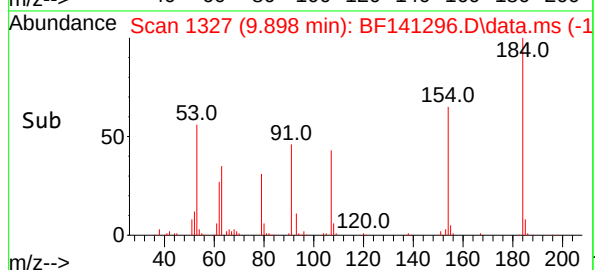
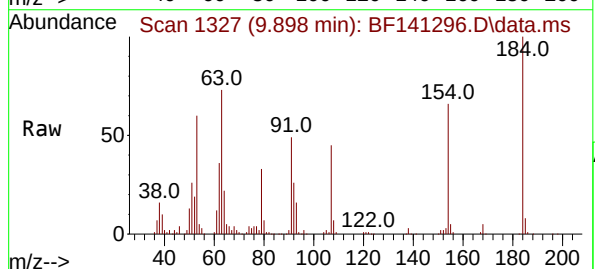
Manual Integrations
APPROVED

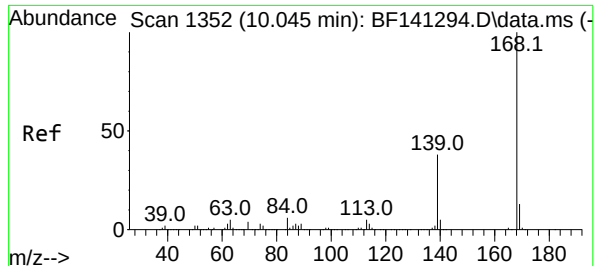
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244
Ion Ratio Lower Upper
184 100
63 72.8 54.1 81.1
154 65.5 50.7 76.1





#55

Dibenzofuran

Concen: 54.629 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 120202

Ion Ratio Lower Upper

168 100

139 38.8 30.6 46.0

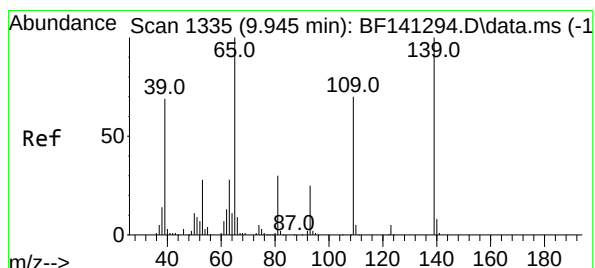
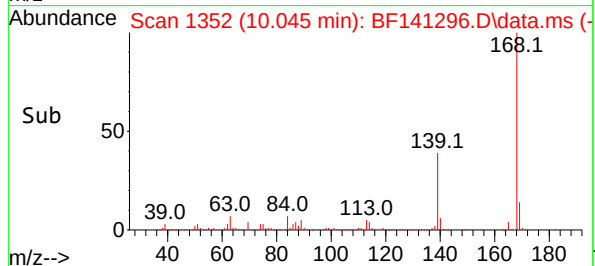
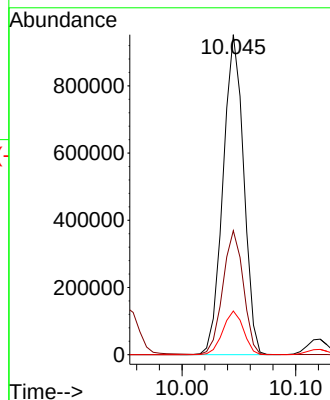
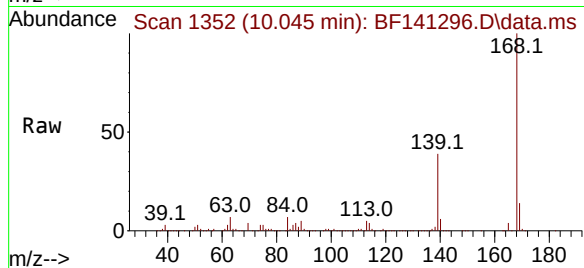
169 13.7 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 66.120 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

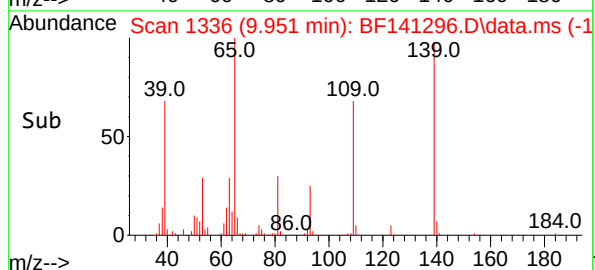
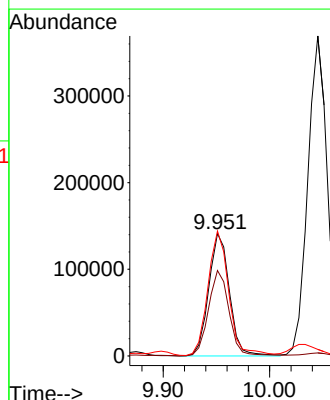
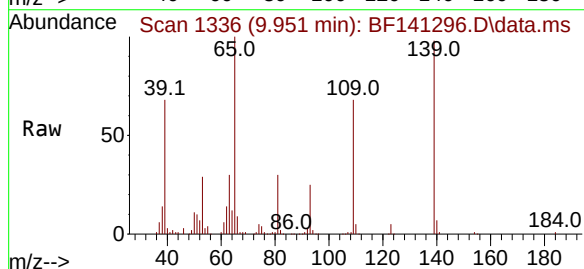
Tgt Ion:139 Resp: 190620

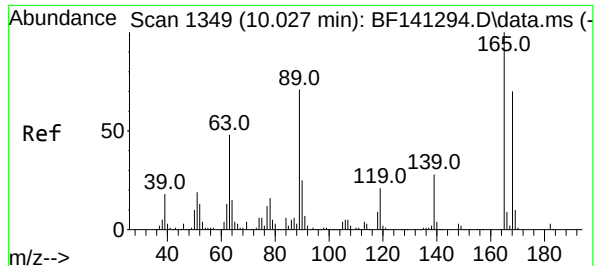
Ion Ratio Lower Upper

139 100

109 69.8 50.2 90.2

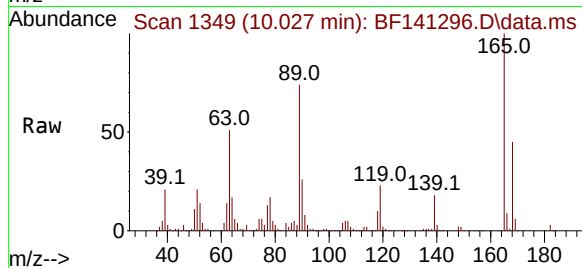
65 102.1 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

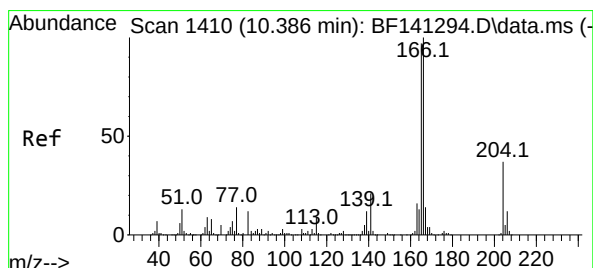
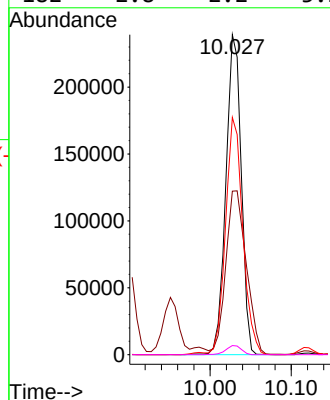
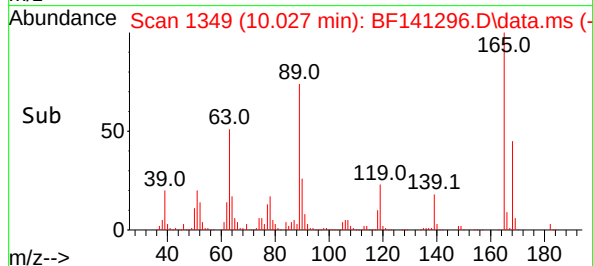
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



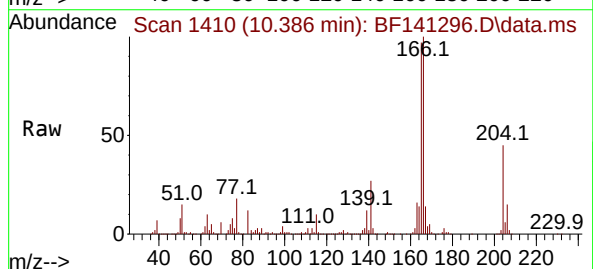
Tgt Ion:165 Resp: 31522
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 74.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

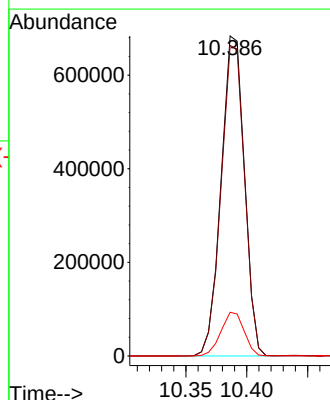
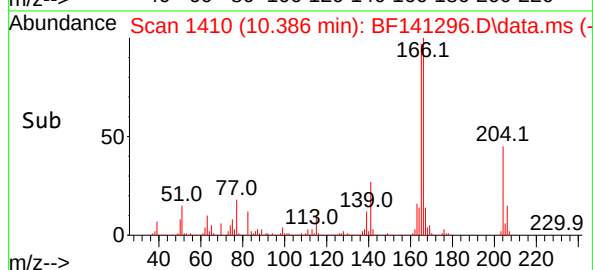
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

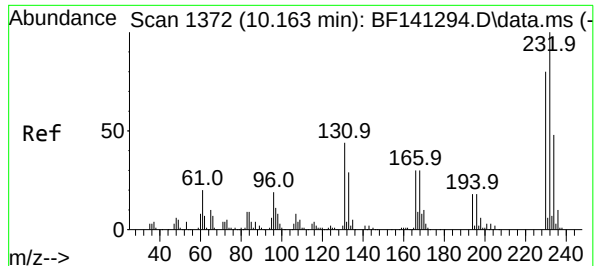


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



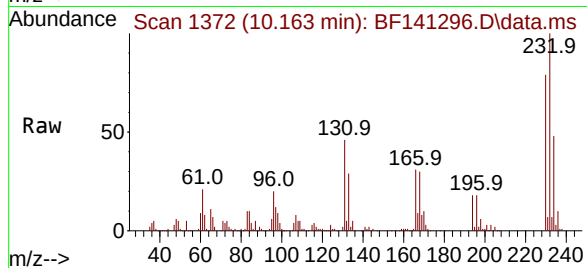
Tgt Ion:166 Resp: 915246
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

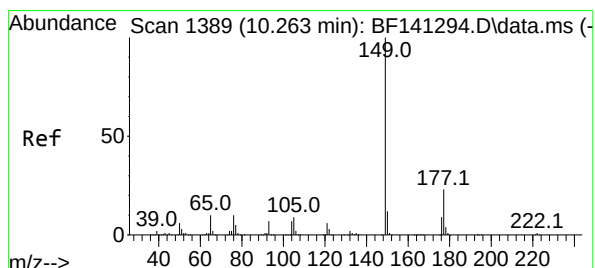
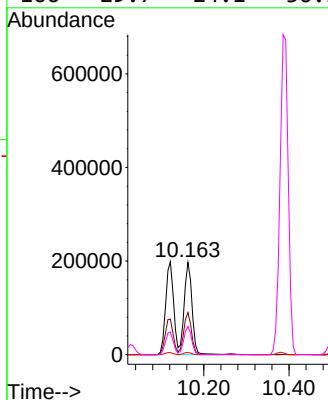
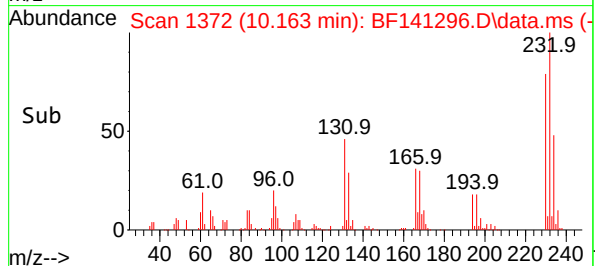
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



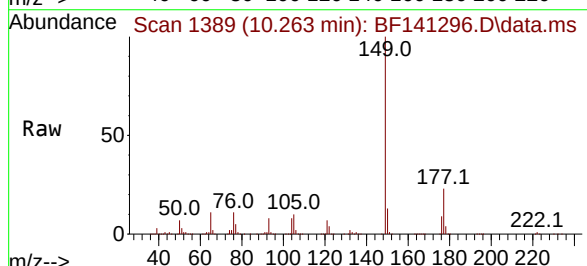
Tgt Ion:232 Resp: 252964
Ion Ratio Lower Upper
232 100
131 45.3 36.4 54.6
130 2.3 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
APPROVED

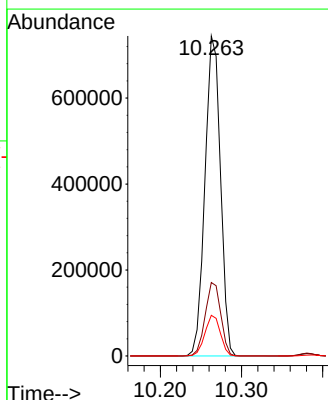
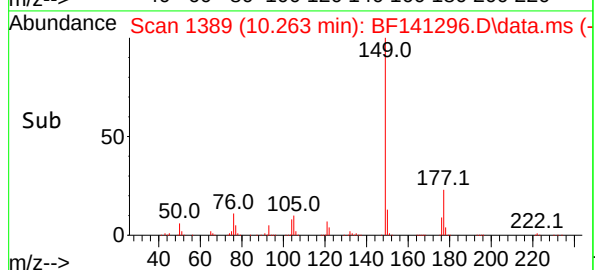
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

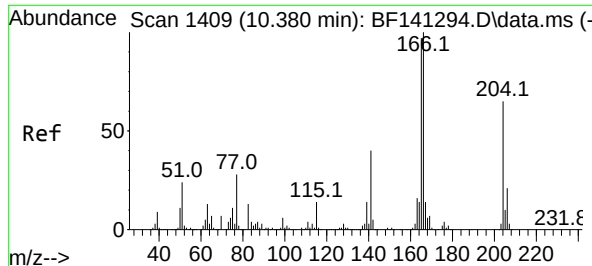


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



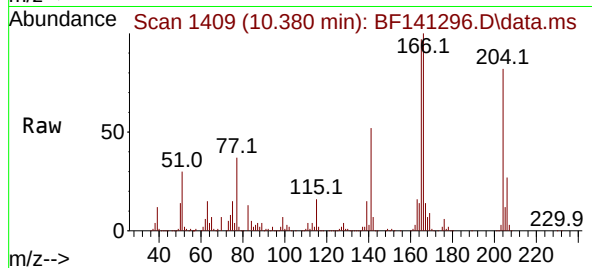
Tgt Ion:149 Resp: 983788
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

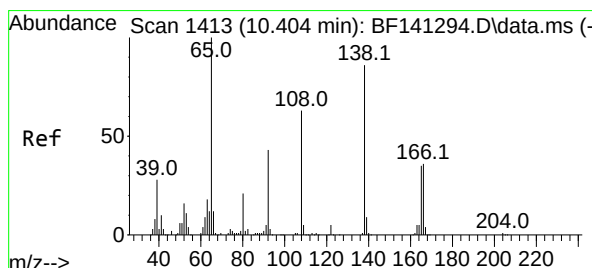
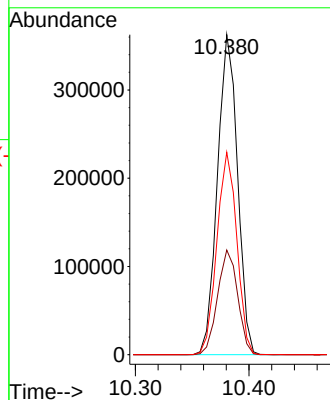
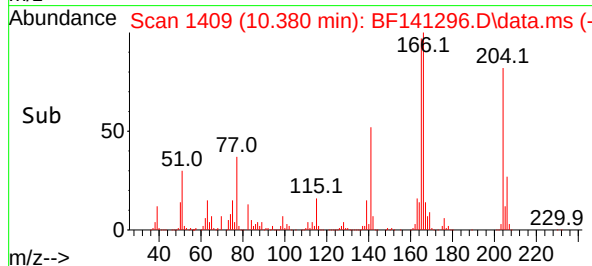
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



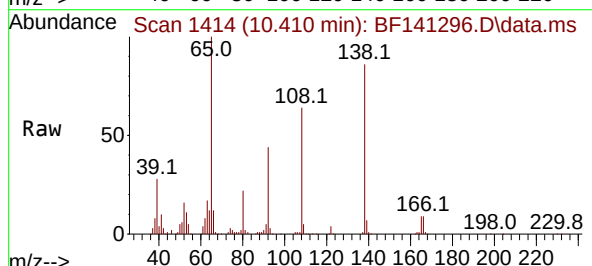
Tgt Ion:204 Resp: 44584
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.2 49.5 74.3

Manual Integrations
APPROVED

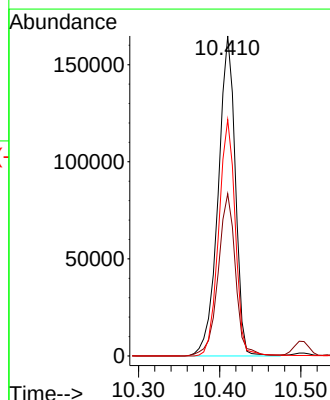
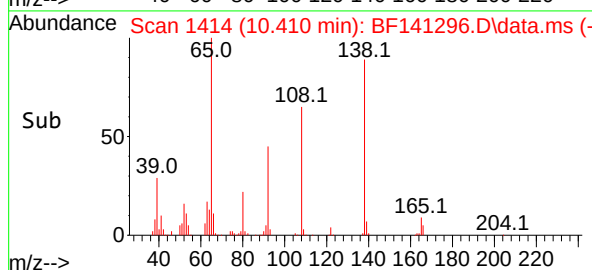
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

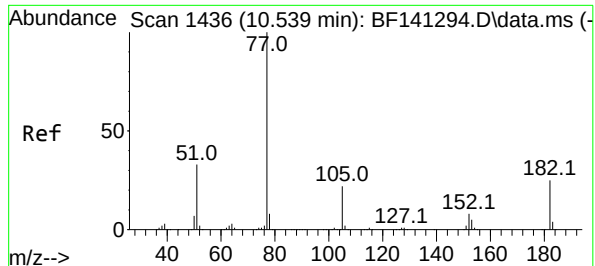


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



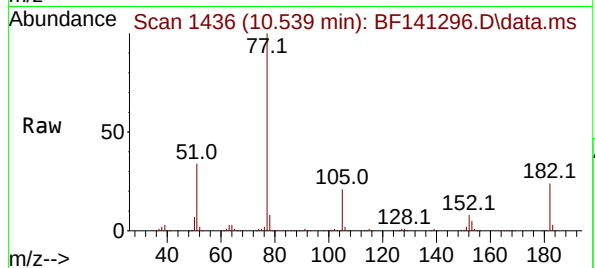
Tgt Ion:138 Resp: 242716
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 73.8 53.1 93.1





#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

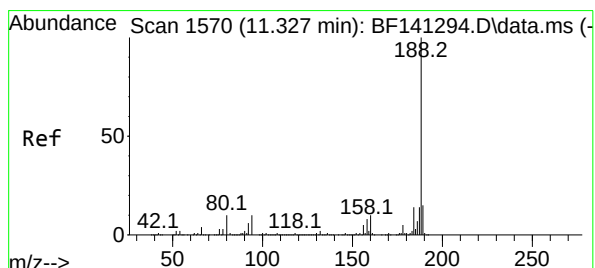
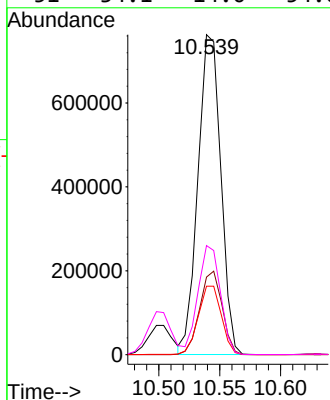
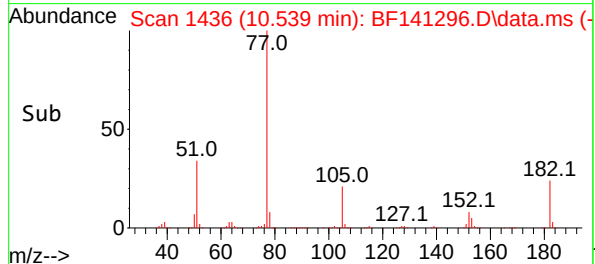
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 996600
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.4 1.8 41.8
51 34.1 14.0 54.0

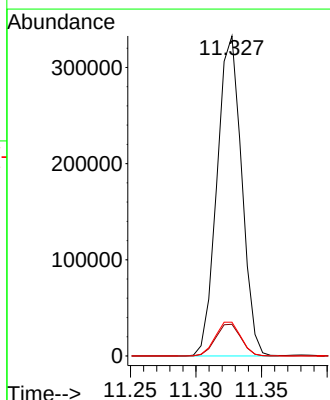
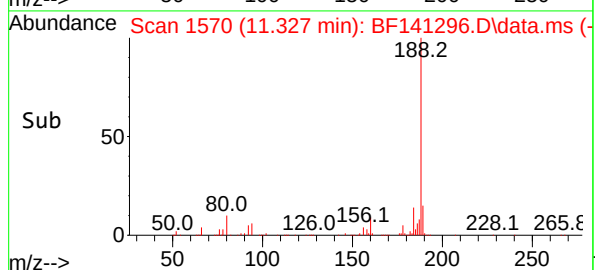
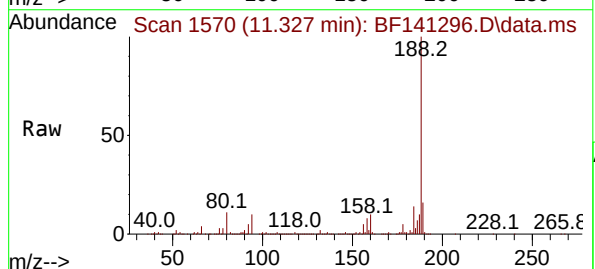
Manual Integrations
APPROVED

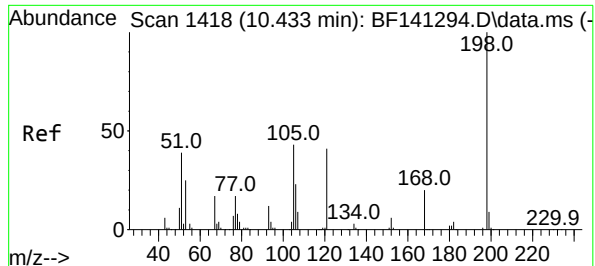
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

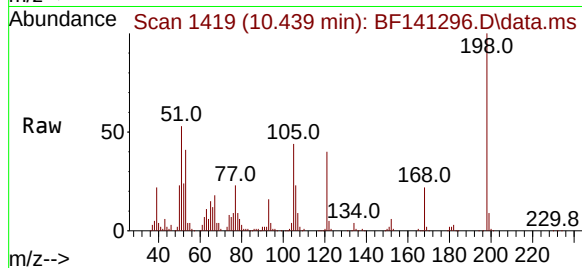
Tgt Ion:188 Resp: 434671
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

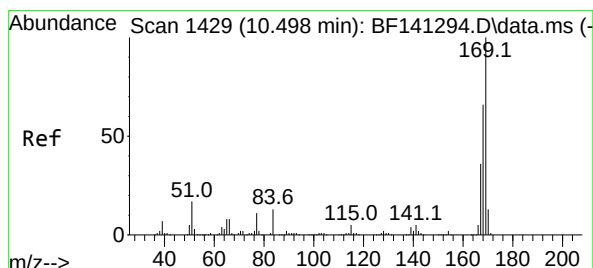
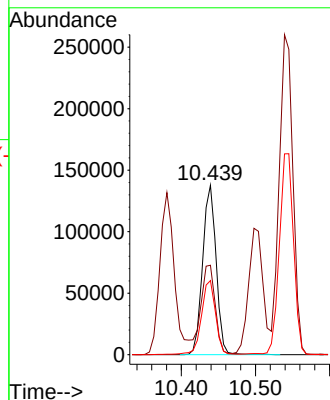
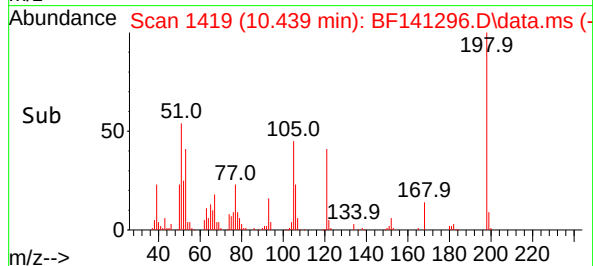
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 17424
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.7 24.4 64.4

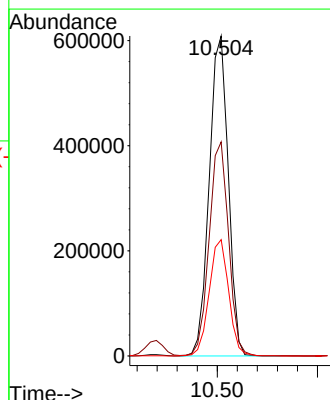
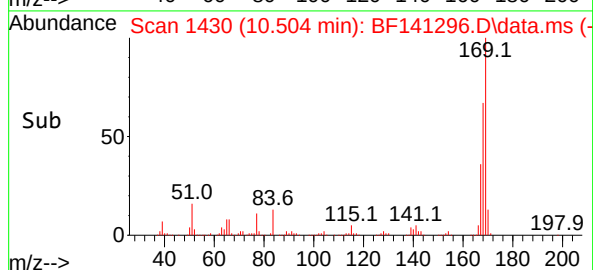
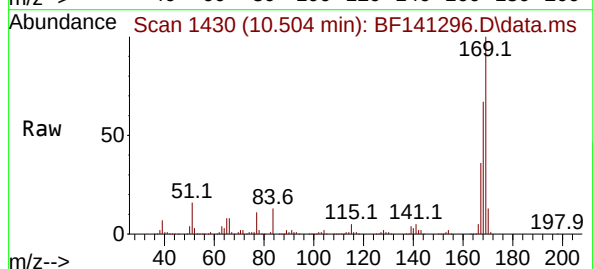
Manual Integrations
APPROVED

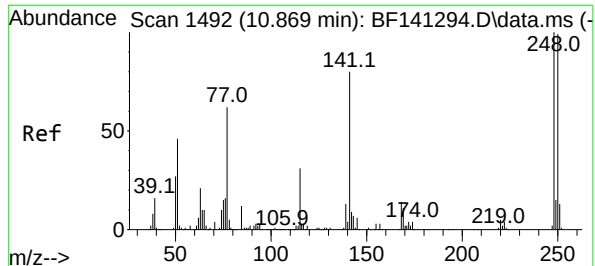
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

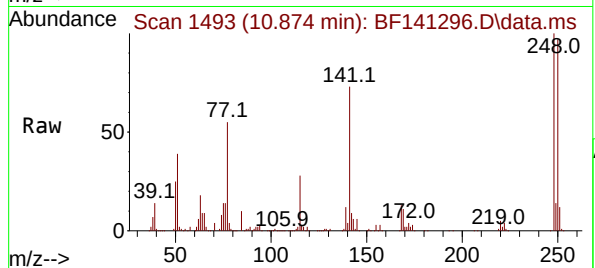
Tgt Ion:169 Resp: 800147
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

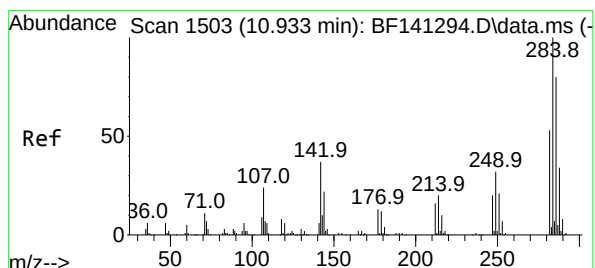
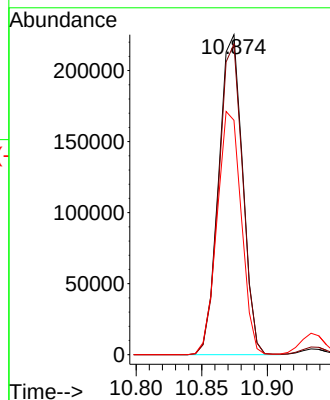
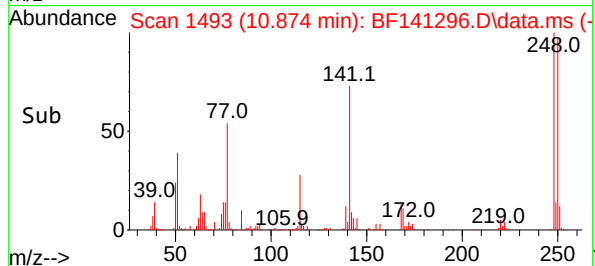
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 28664
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 73.2 63.7 95.5

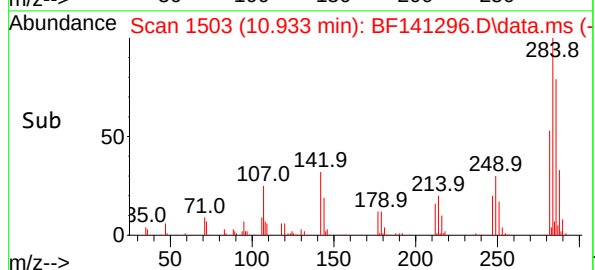
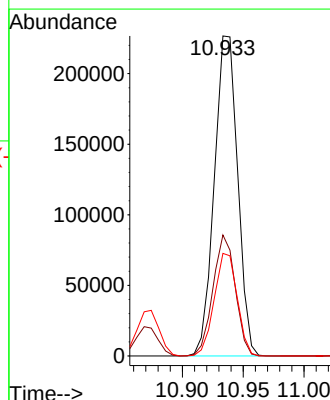
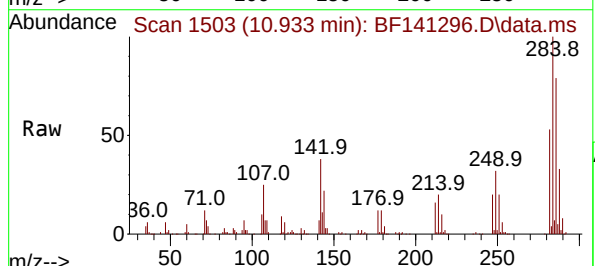
Manual Integrations
APPROVED

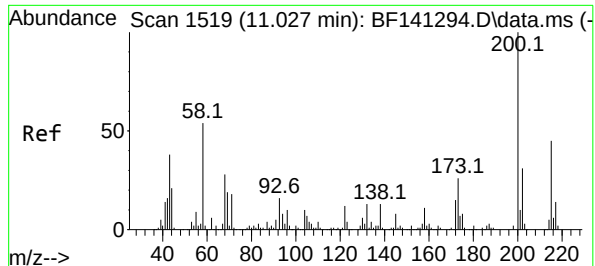
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508
Ion Ratio Lower Upper
284 100
142 37.8 29.5 44.3
249 32.0 25.4 38.2





#69

Atrazine

Concen: 66.863 ng

RT: 11.033 min Scan# 1520

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

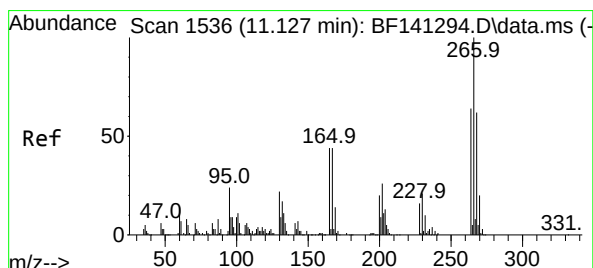
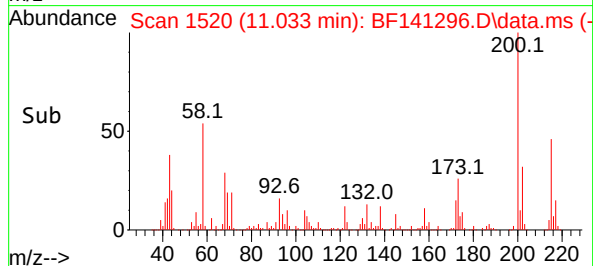
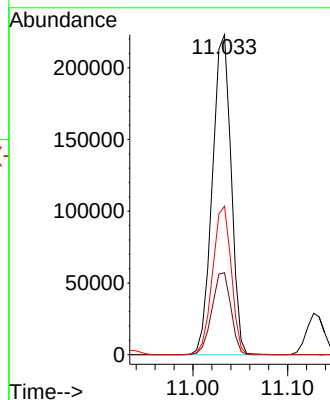
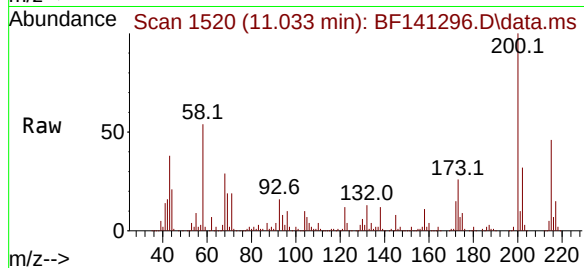
Tgt Ion	200	Resp	306524
Ion Ratio	Lower	Upper	
200	100		
173	25.6	5.9	45.9
215	46.4	25.2	65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 65.443 ng

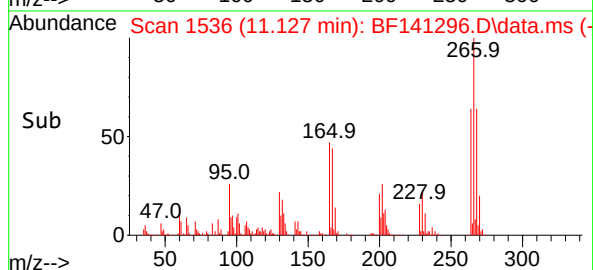
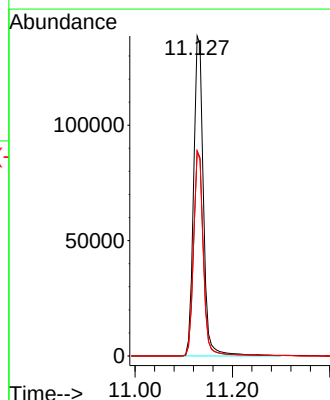
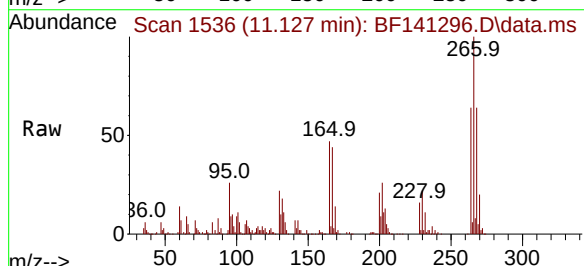
RT: 11.127 min Scan# 1536

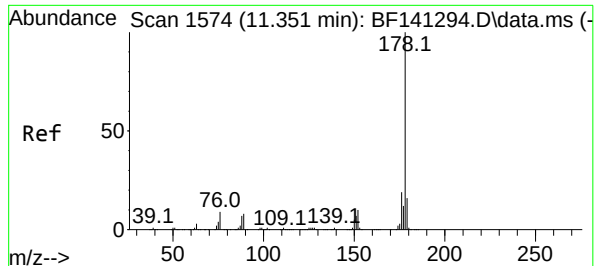
Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion	266	Resp	194335
Ion Ratio	Lower	Upper	
266	100		
268	64.1	49.9	74.9
264	63.9	51.0	76.4





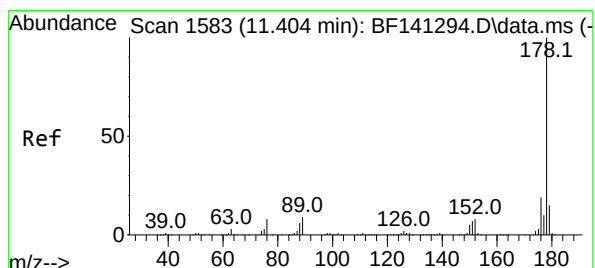
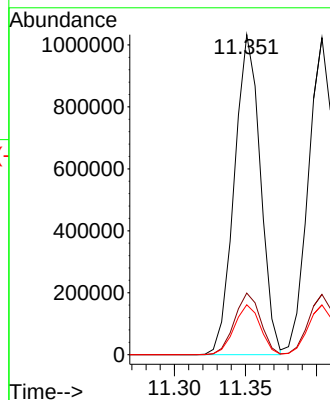
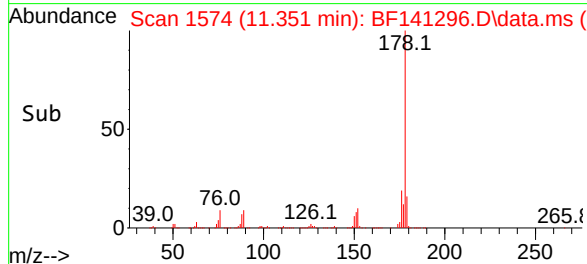
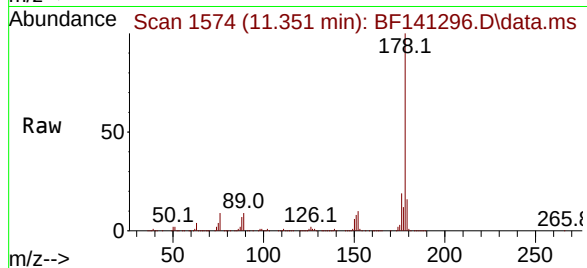
#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1316980
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.5 18.7

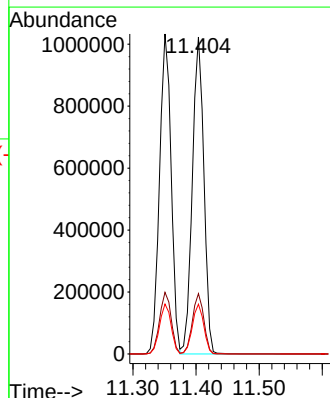
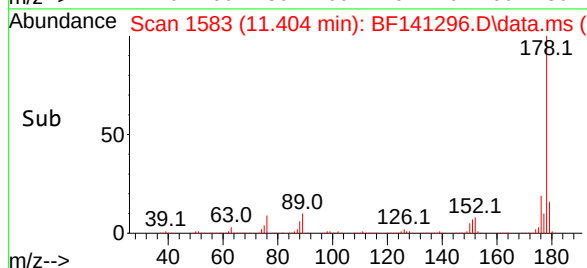
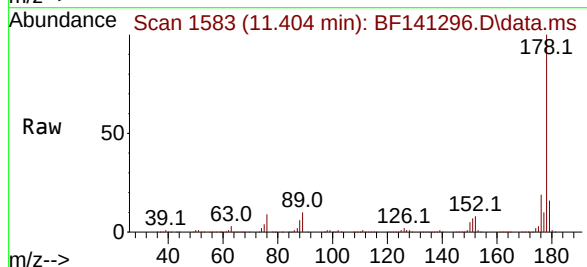
Manual Integrations
APPROVED

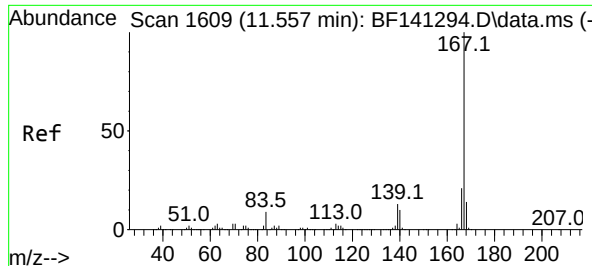
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

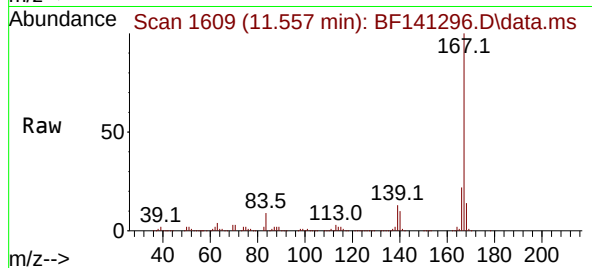
Tgt Ion:178 Resp: 1298334
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.7 12.3 18.5





#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

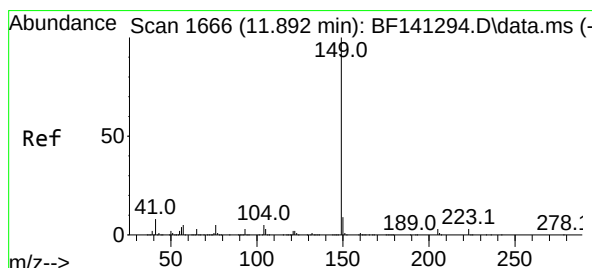
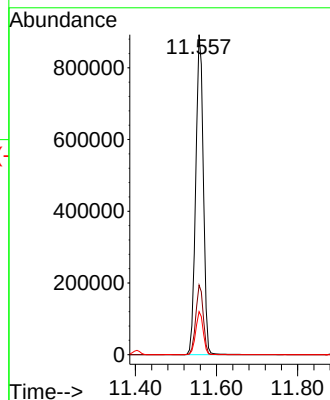
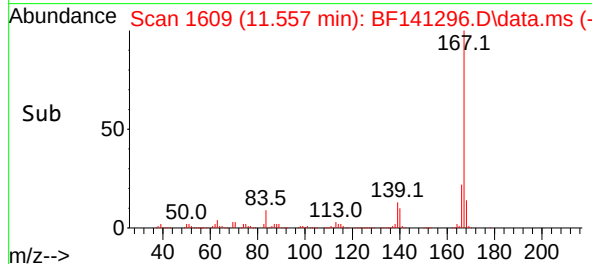
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 1173330
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.4 10.6 16.0

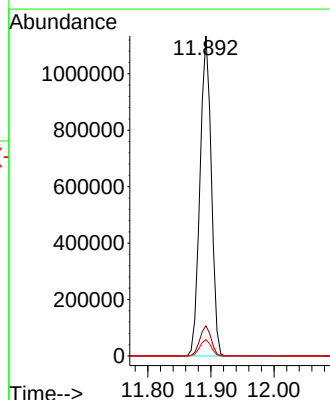
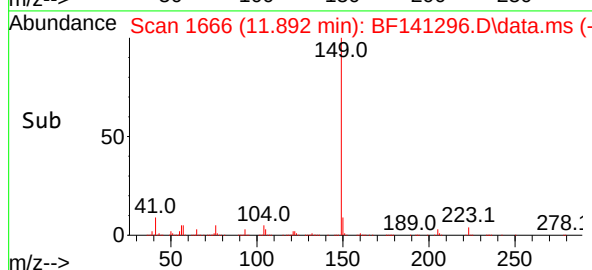
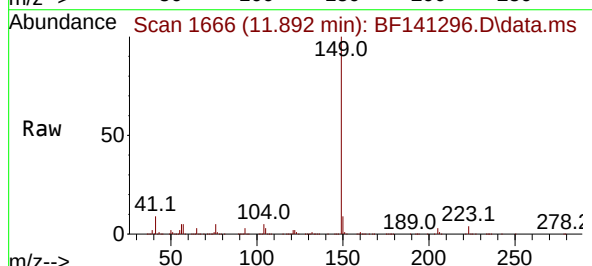
Manual Integrations
APPROVED

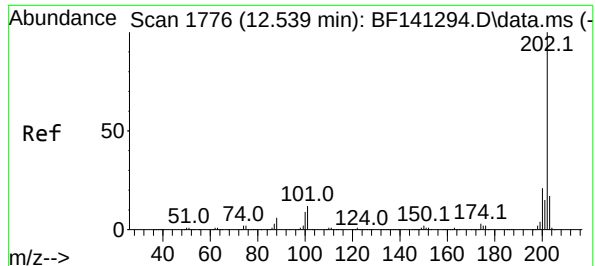
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

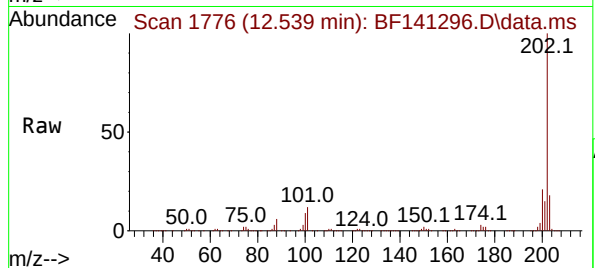
Tgt Ion:149 Resp: 1410222
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

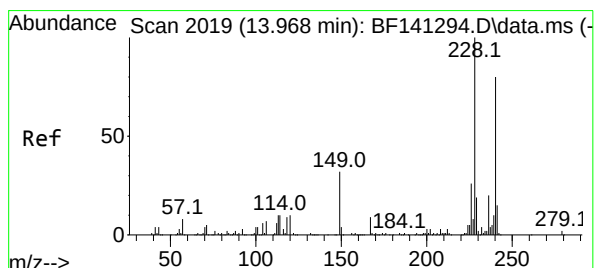
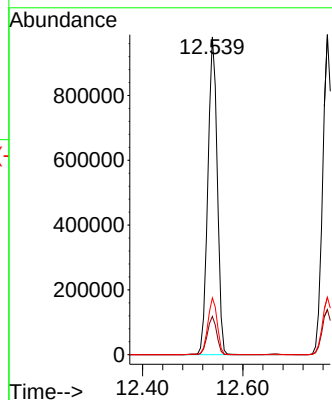
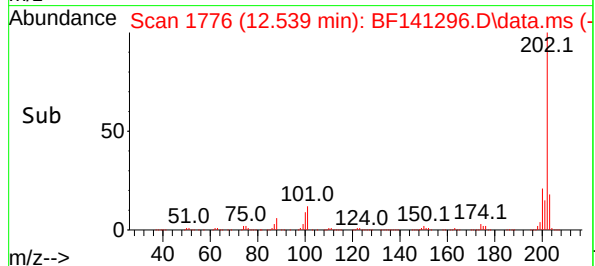
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 127999
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.5

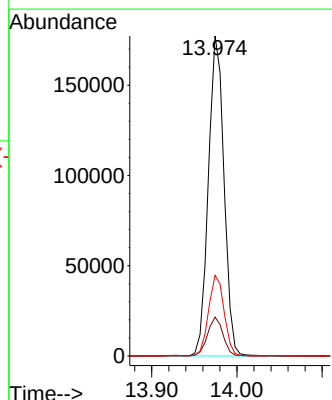
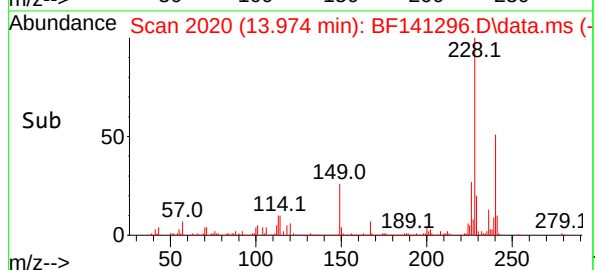
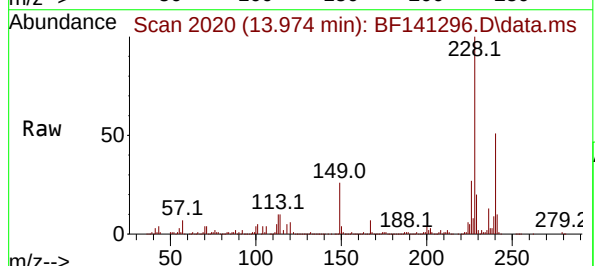
Manual Integrations
APPROVED

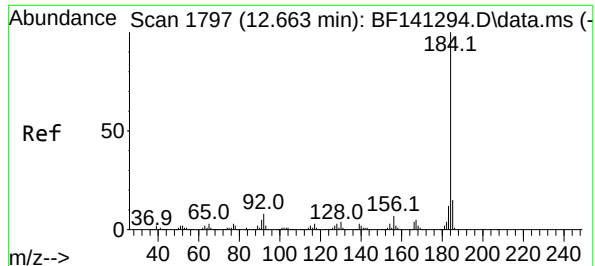
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

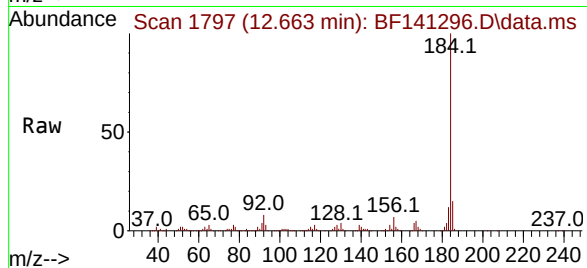
Tgt Ion:240 Resp: 225615
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.2 19.7 29.5





#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

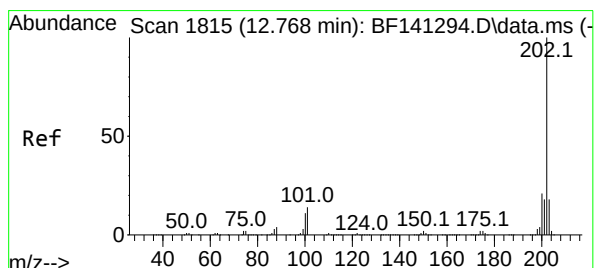
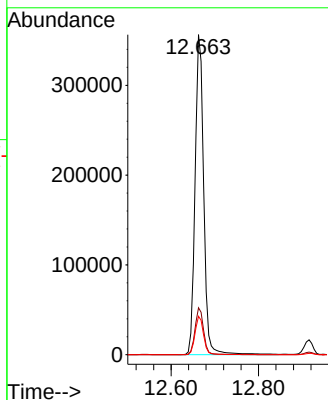
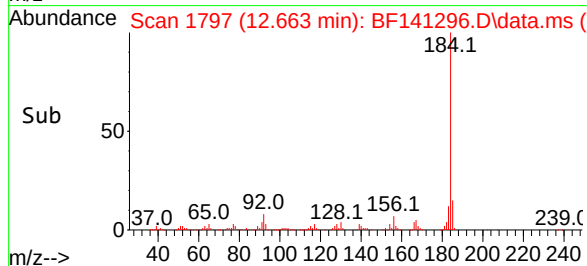
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



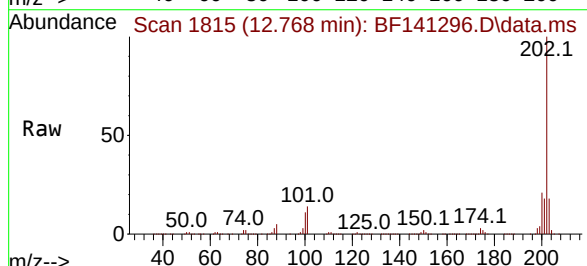
Tgt Ion:184 Resp: 490009
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 12.0 9.5 14.3

Manual Integrations
APPROVED

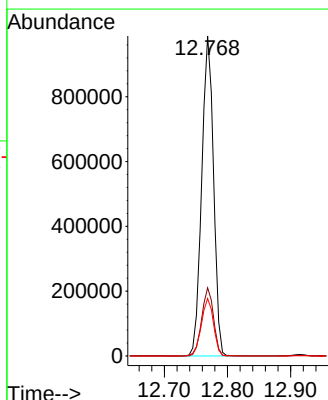
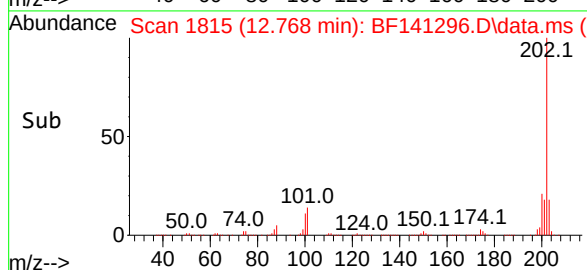
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

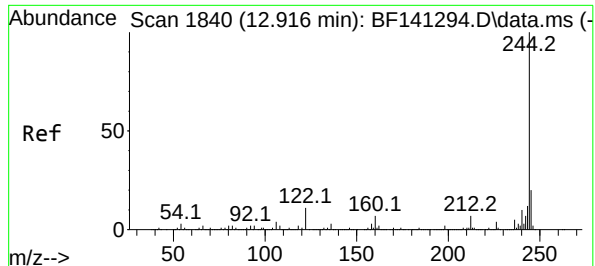


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:202 Resp: 1284820
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 109.453 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:244 Resp: 166559

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

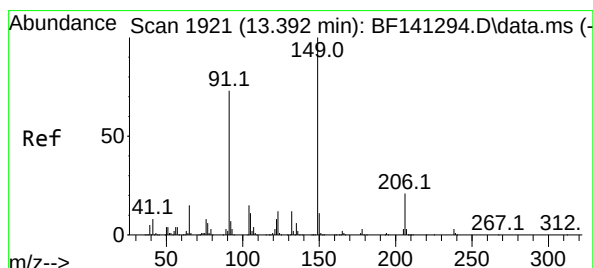
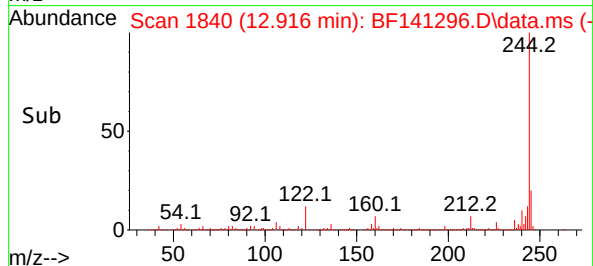
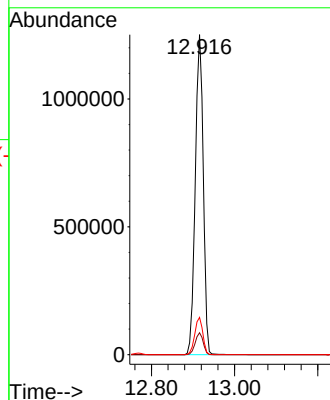
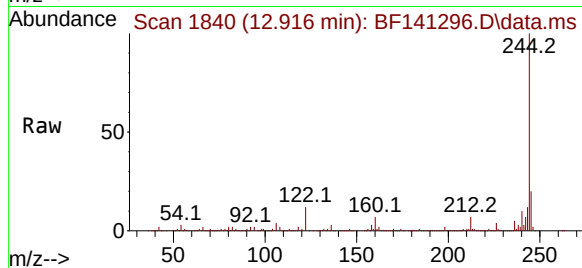
122 11.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

Concen: 60.745 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

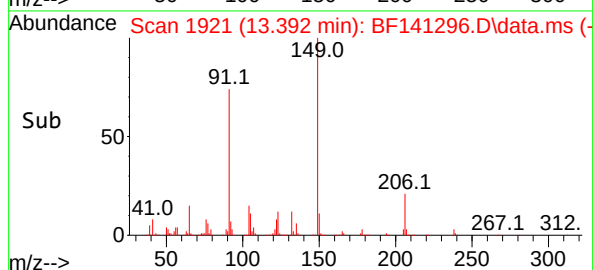
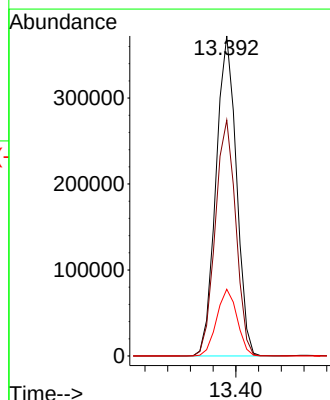
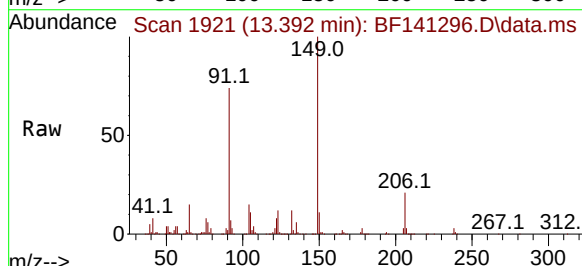
Tgt Ion:149 Resp: 465533

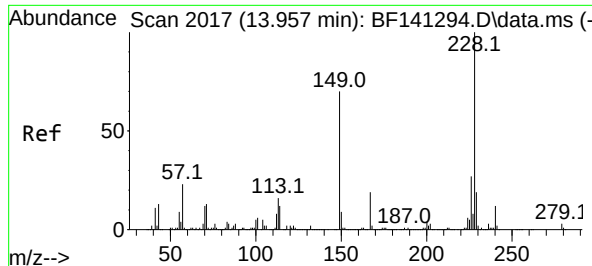
Ion Ratio Lower Upper

149 100

91 73.7 58.6 87.8

206 20.8 16.7 25.1





#81

Benzo(a)anthracene

Concen: 57.742 ng

RT: 13.962 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF141296.D

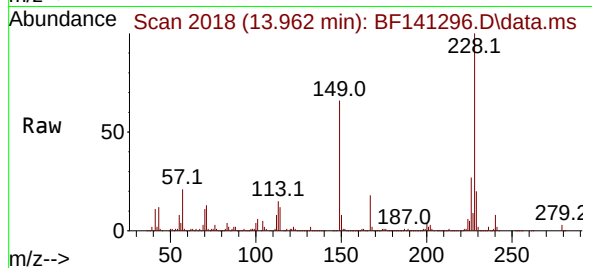
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:228 Resp: 917219

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

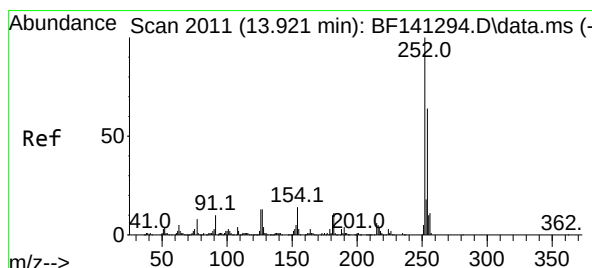
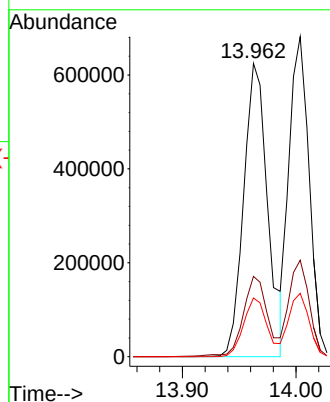
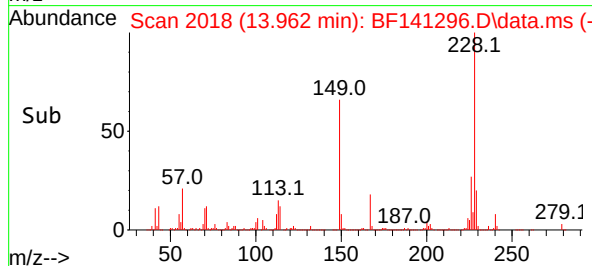
229 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#82

3,3'-Dichlorobenzidine

Concen: 64.819 ng

RT: 13.927 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

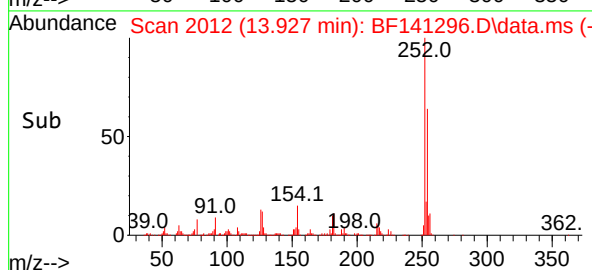
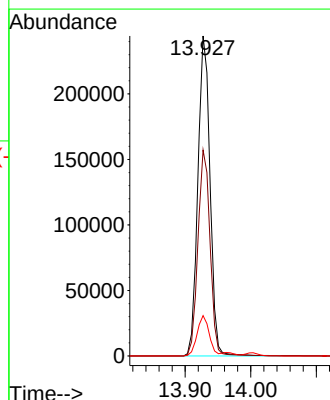
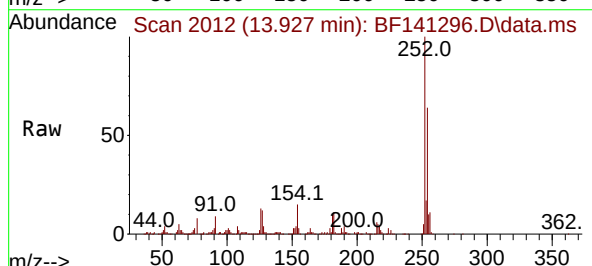
Tgt Ion:252 Resp: 315503

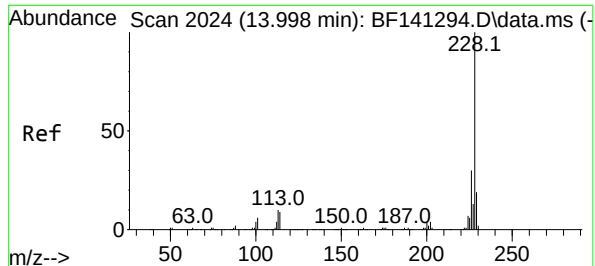
Ion Ratio Lower Upper

252 100

254 64.4 51.3 76.9

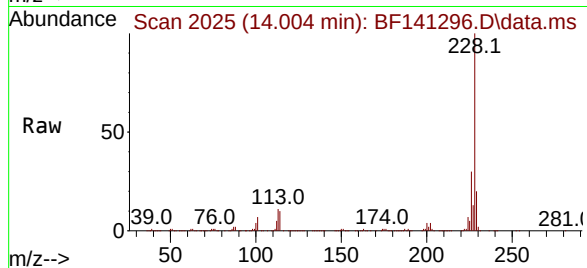
126 12.6 10.0 15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

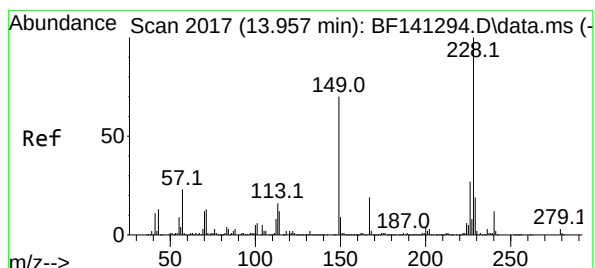
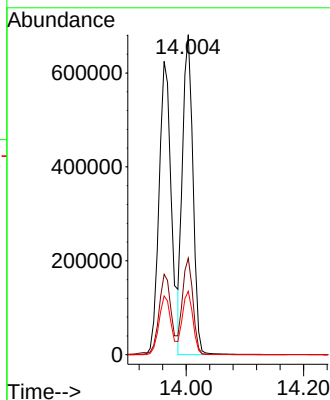
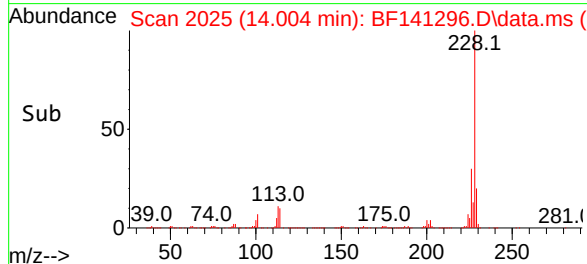
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 841120
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4

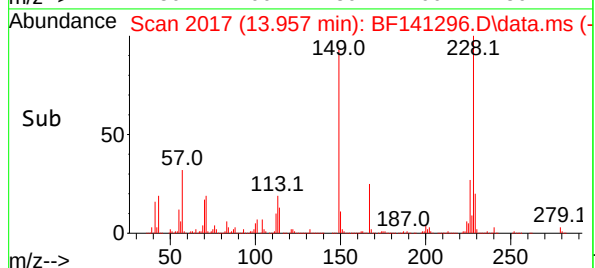
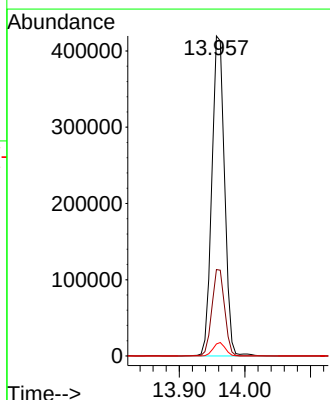
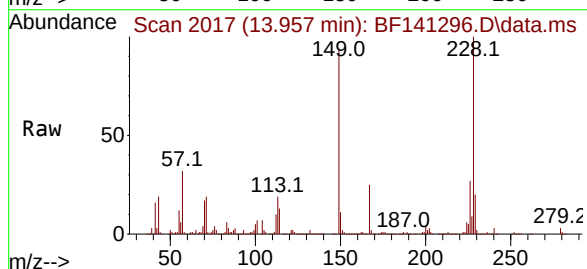
Manual Integrations
APPROVED

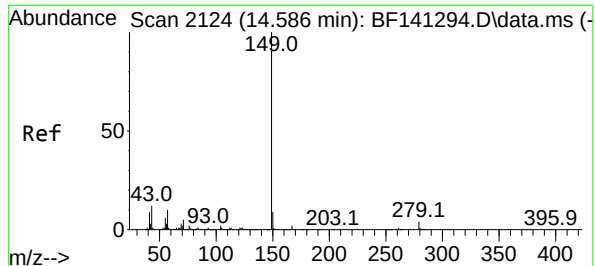
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

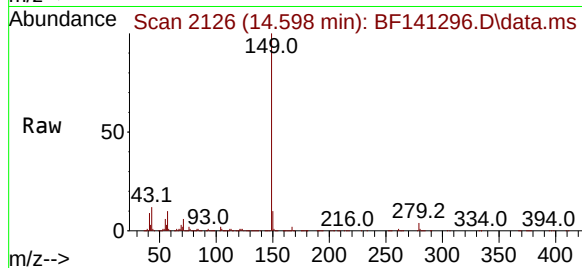
Tgt Ion:149 Resp: 564642
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

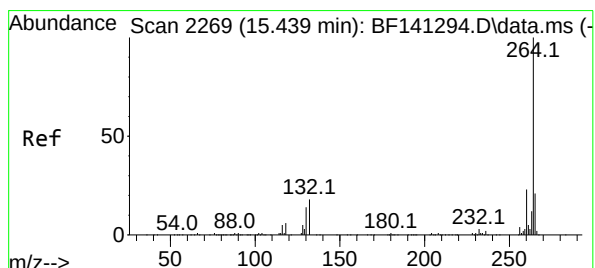
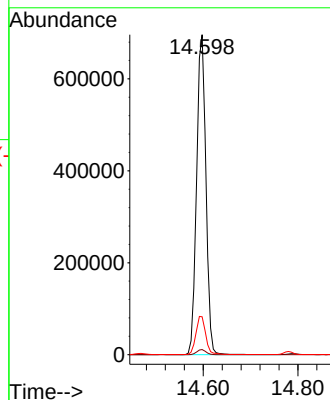
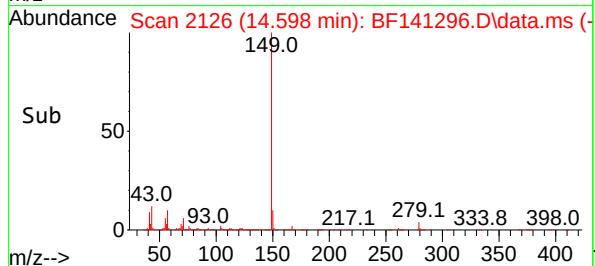
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



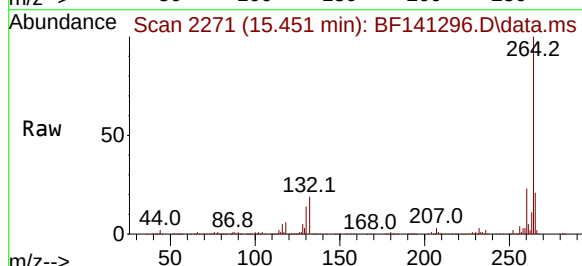
Tgt Ion:149 Resp: 95147
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.6 9.8 14.8

Manual Integrations
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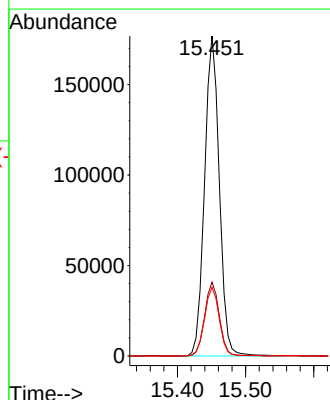
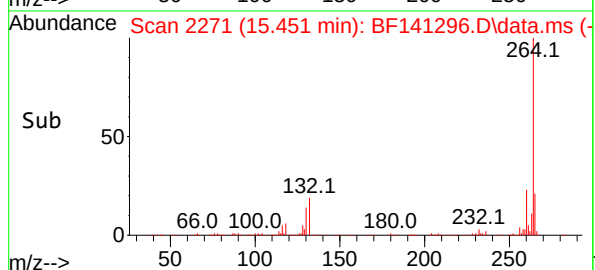
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

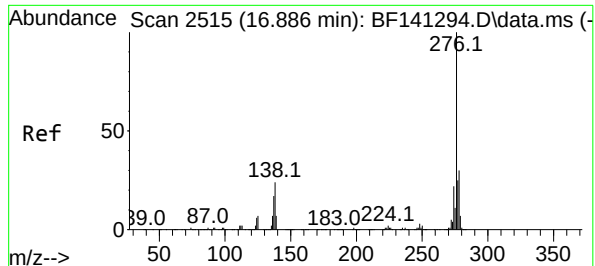


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



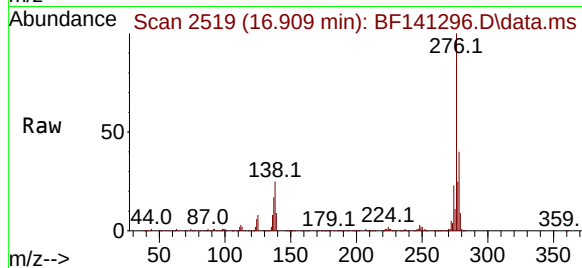
Tgt Ion:264 Resp: 265921
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

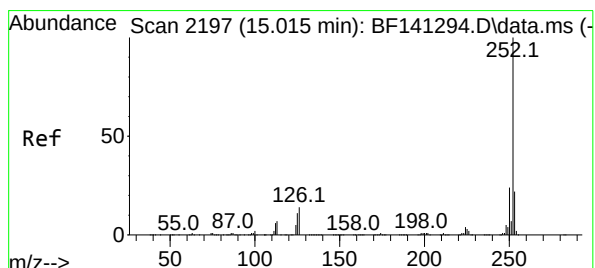
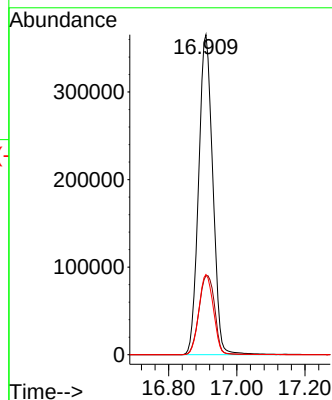
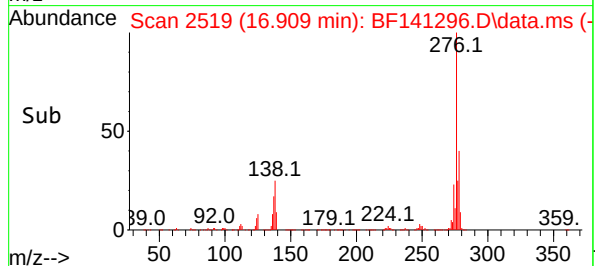
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



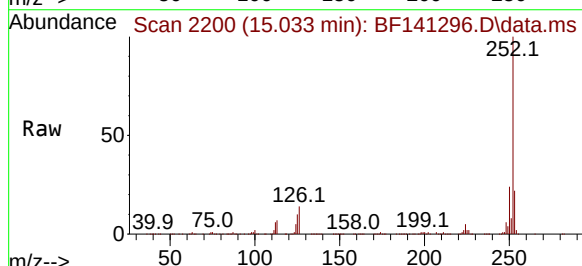
Tgt Ion: 276 Resp: 105498
Ion Ratio Lower Upper
276 100
138 27.6 21.7 32.5
277 25.8 20.3 30.5

Manual Integrations
APPROVED

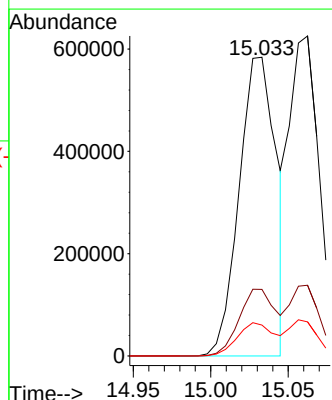
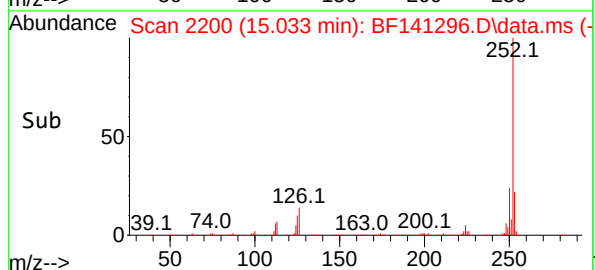
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

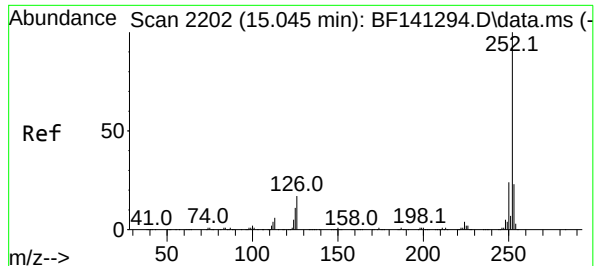


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion: 252 Resp: 971433
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.3 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 55.934 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

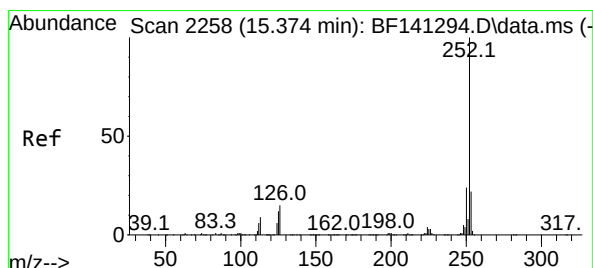
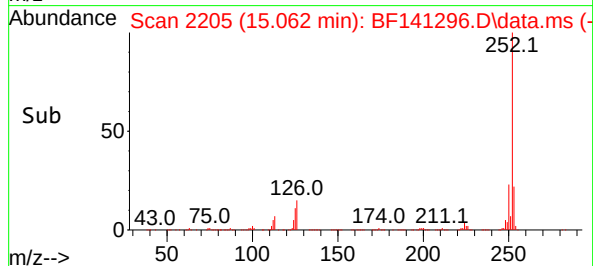
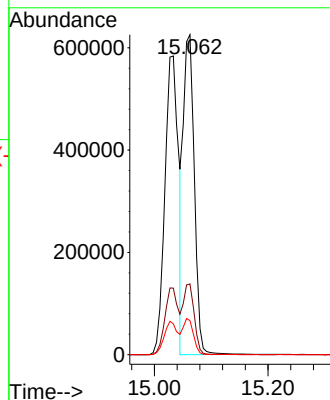
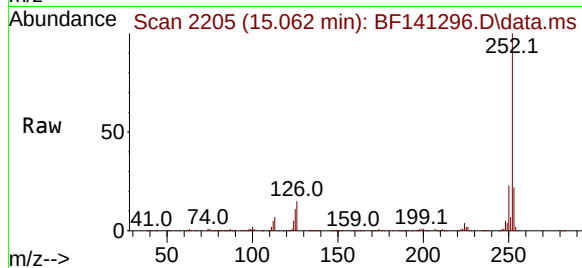
Tgt Ion:	252	Resp:	84584
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	10.6	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 58.588 ng

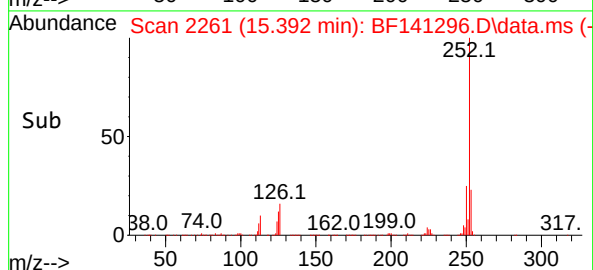
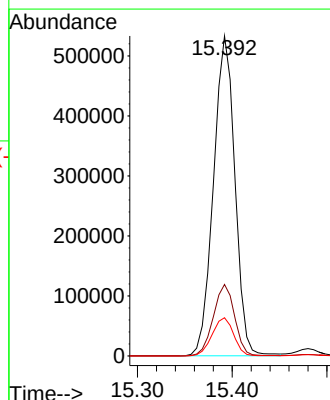
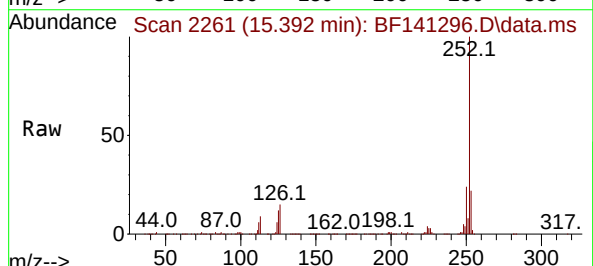
RT: 15.392 min Scan# 2261

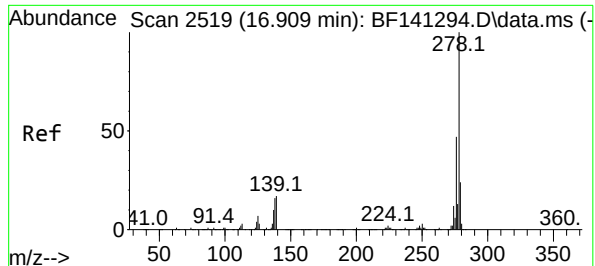
Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion:	252	Resp:	838283
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	12.0	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 62.119 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:278 Resp: 854214

Ion Ratio Lower Upper

278 100

139 18.7 13.9 20.9

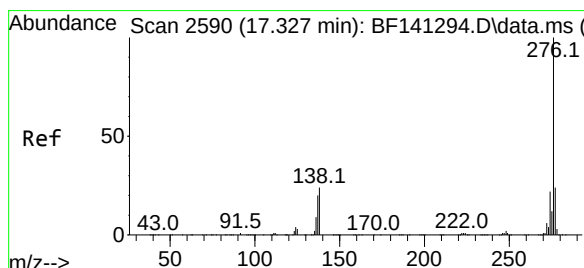
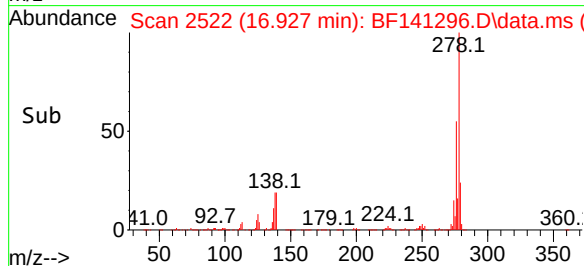
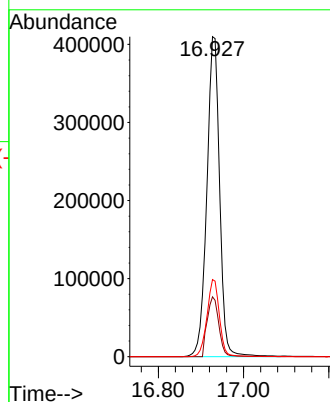
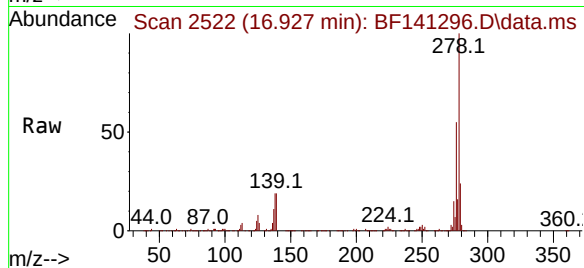
279 24.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 61.510 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

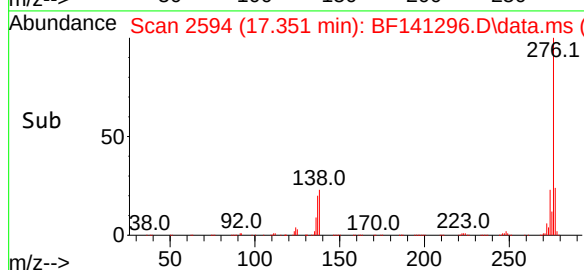
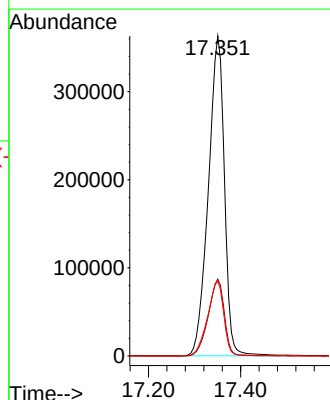
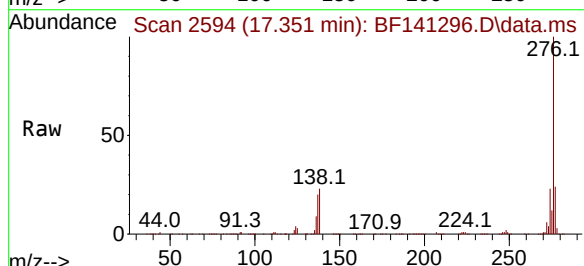
Tgt Ion:276 Resp: 881804

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng	0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng	0.00
86) Perylene-d12	15.439	264	271797	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng	0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng	0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng	0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng	0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng	100
3) Pyridine	3.228	79	684346	76.095	ng	99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng	99
6) Aniline	6.469	93	607667	65.185	ng	# 86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng	97
9) Benzaldehyde	6.351	77	376227	58.226	ng	100
10) Phenol	6.451	94	804078	69.411	ng	90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng	98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng	99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng	99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng	99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng	98
17) 2-Methylphenol	7.057	107	545097	73.368	ng	97
18) Hexachloroethane	7.316	117	265593	70.765	ng	97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng	97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng	96
22) Acetophenone	7.216	105	824220	67.811	ng	# 96
24) Nitrobenzene	7.393	77	716200	71.762	ng	99
25) Isophorone	7.628	82	1229697	74.193	ng	99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng	98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng	99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng	99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng	100
31) Naphthalene	8.110	128	1838789	68.107	ng	99
32) Benzoic acid	7.881	122	484583	91.066	ng	99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng	99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng	99
35) Caprolactam	8.545	113	177093	74.270	ng	99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng	98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng	98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng	100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

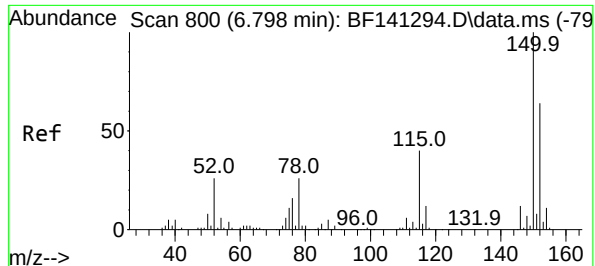
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

- 1
- 2
- 3
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- 13
- 14
- 15
- 16
- 17

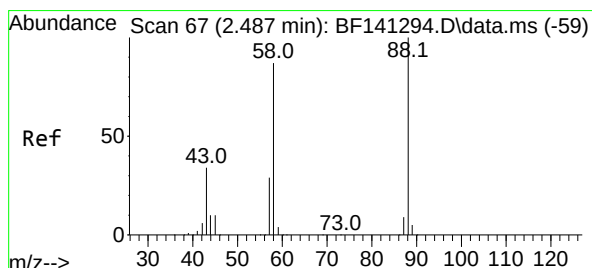
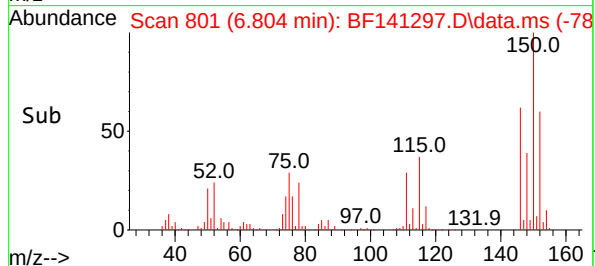
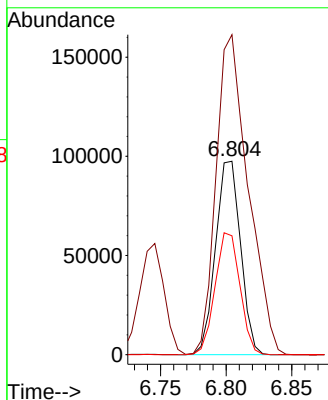
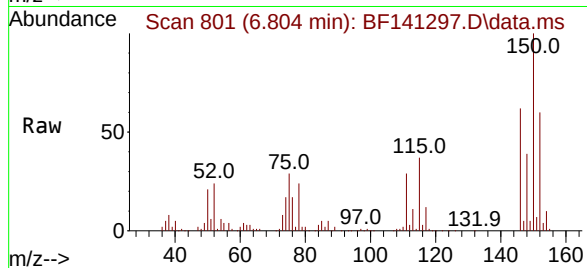




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

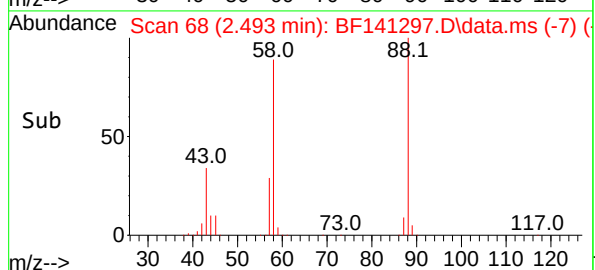
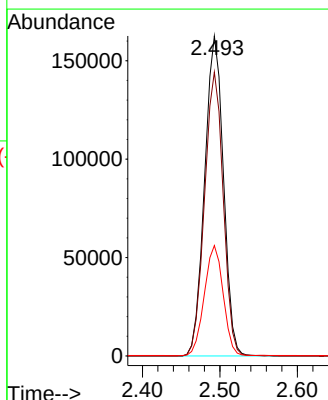
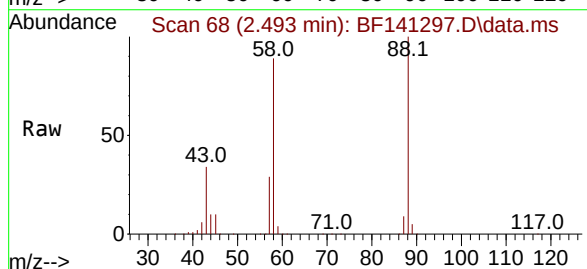
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

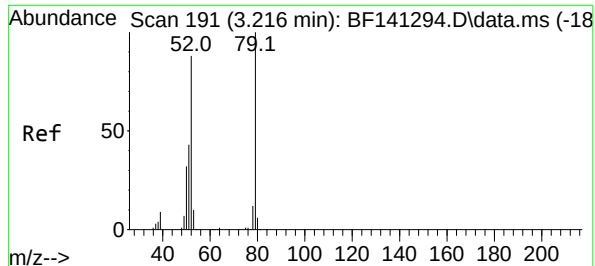
Tgt Ion:152 Resp: 129386
Ion Ratio Lower Upper
152 100
150 165.5 125.9 188.9
115 61.4 49.7 74.5



#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.4
43 34.3 27.6 41.4





#3

Pyridine

Concen: 76.095 ng

RT: 3.228 min Scan# 191

Delta R.T. 0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

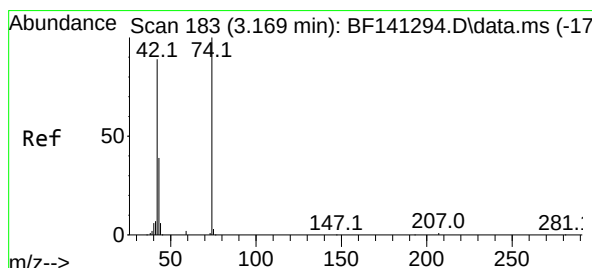
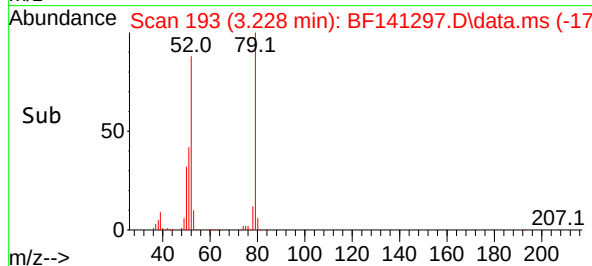
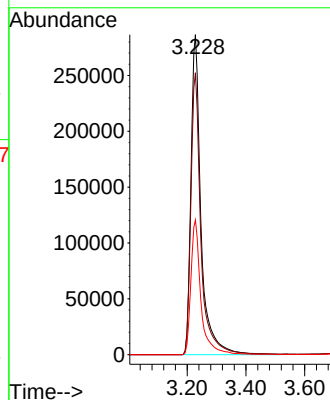
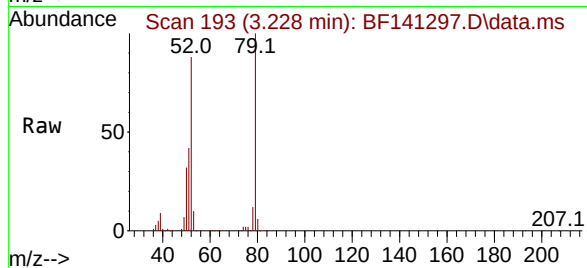
Tgt Ion: 79 Resp: 684346

Ion Ratio Lower Upper

79 100

52 88.1 70.3 105.5

51 42.1 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 77.974 ng

RT: 3.199 min Scan# 188

Delta R.T. 0.018 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

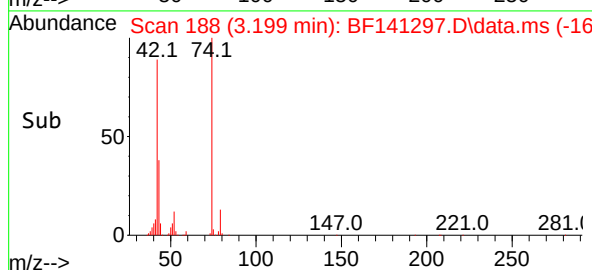
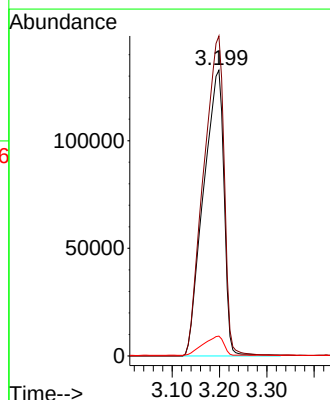
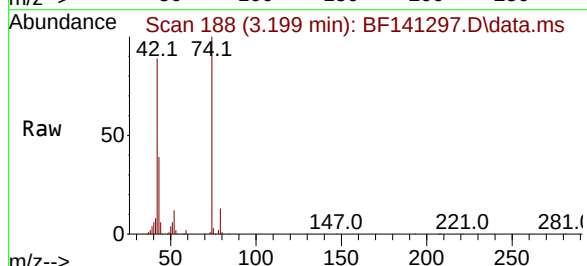
Tgt Ion: 42 Resp: 399245

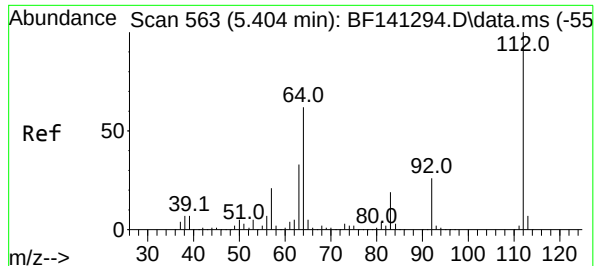
Ion Ratio Lower Upper

42 100

74 112.0 90.3 135.5

44 6.9 5.7 8.5

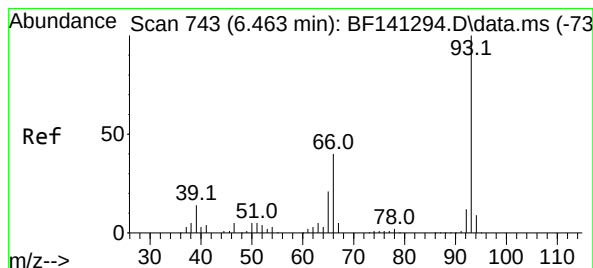
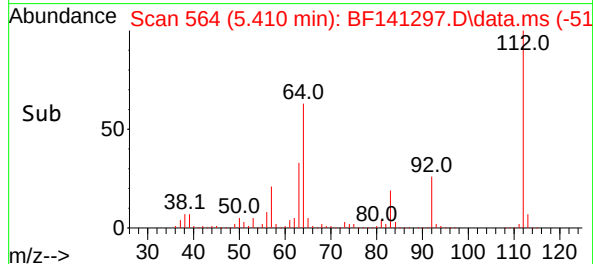
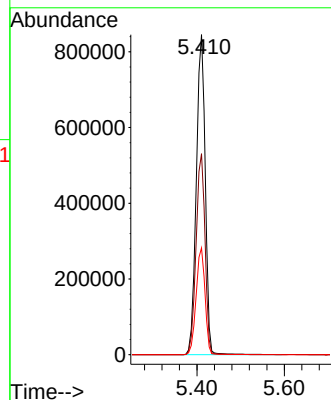
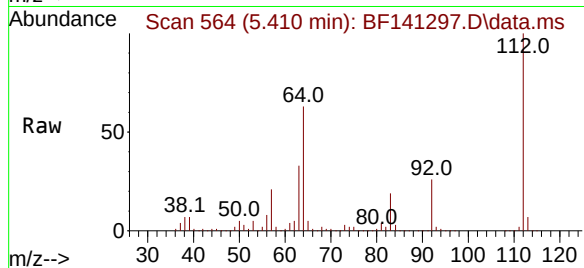




#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

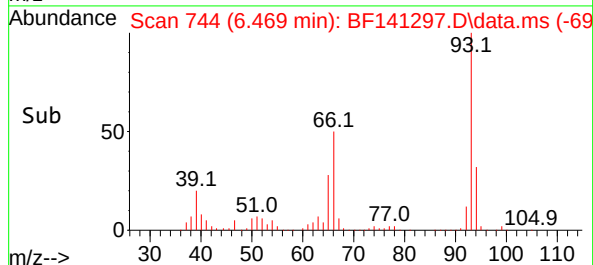
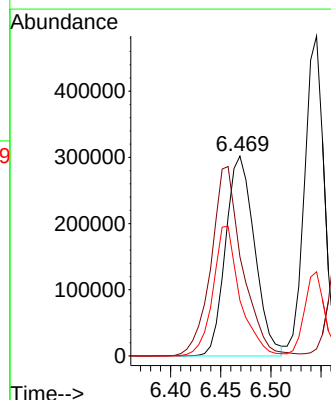
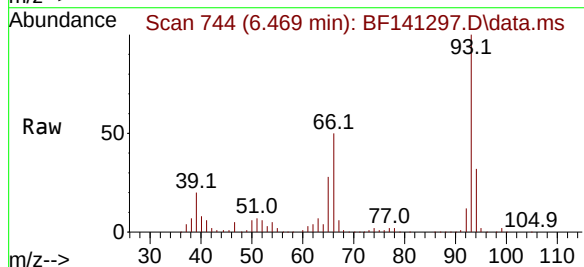
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

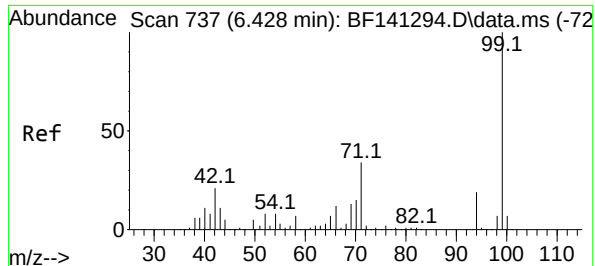
Tgt Ion:112 Resp: 1203835
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667
Ion Ratio Lower Upper
93 100
66 49.7 32.5 48.7#
65 27.8 17.0 25.6#





#7

Phenol-d6

Concen: 139.796 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

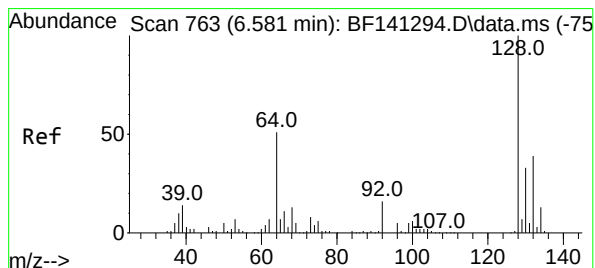
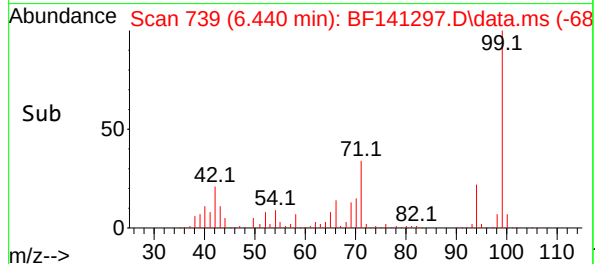
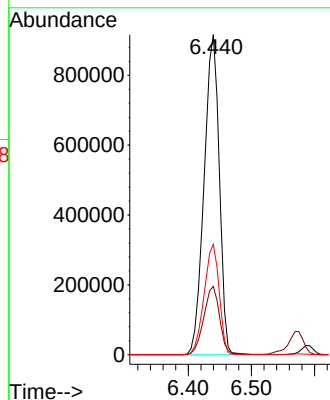
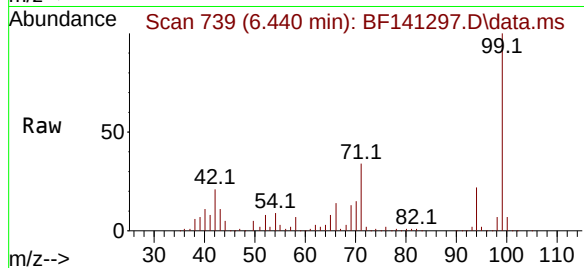
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1526343

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	34.4	26.9	40.3



#8

2-Chlorophenol

Concen: 69.519 ng

RT: 6.593 min Scan# 765

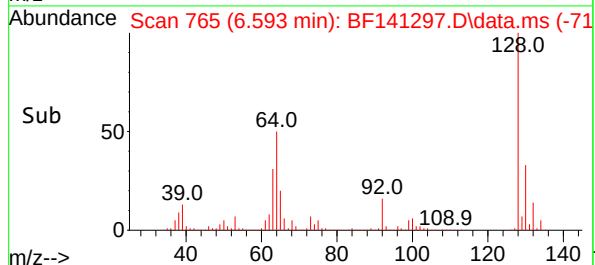
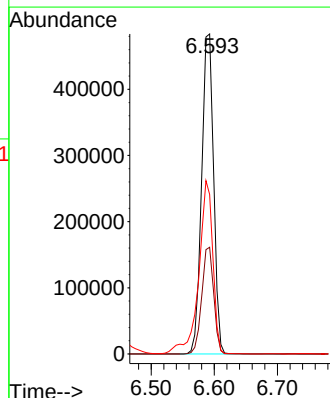
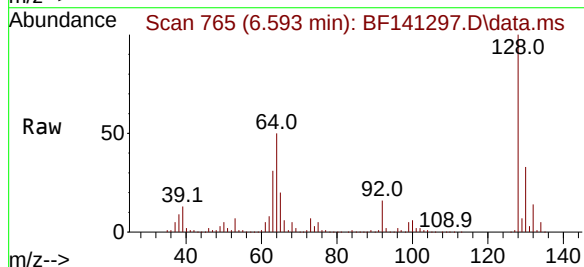
Delta R.T. 0.006 min

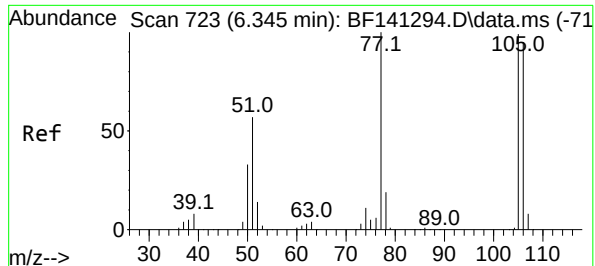
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 128 Resp: 639957

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	49.8	32.9	72.9





#9

Benzaldehyde

Concen: 58.226 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

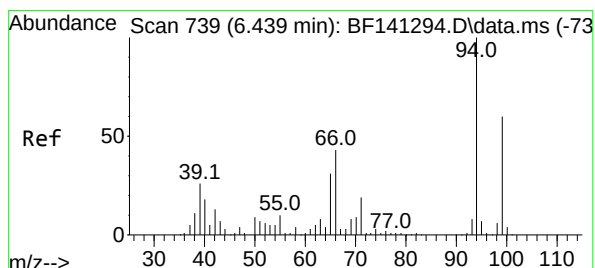
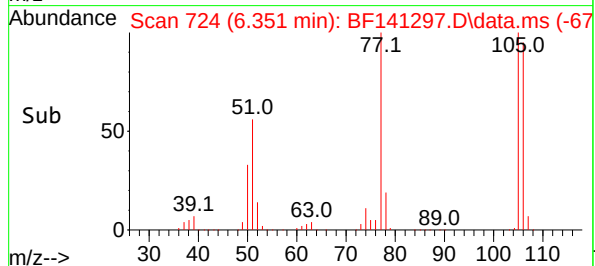
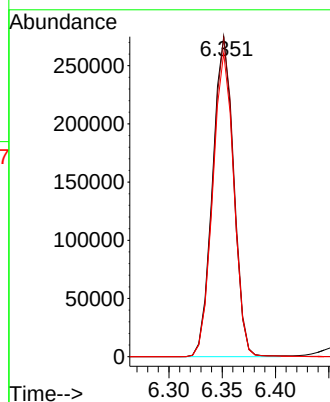
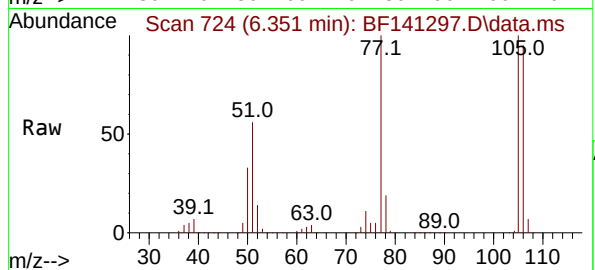
Tgt Ion: 77 Resp: 376227

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

106 94.9 74.6 114.6



#10

Phenol

Concen: 69.411 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

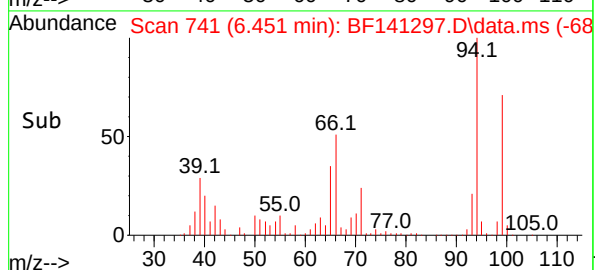
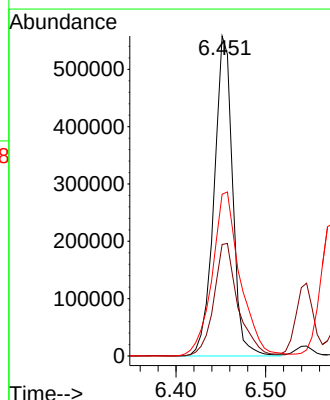
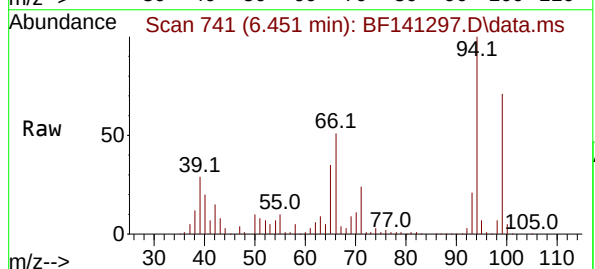
Tgt Ion: 94 Resp: 804078

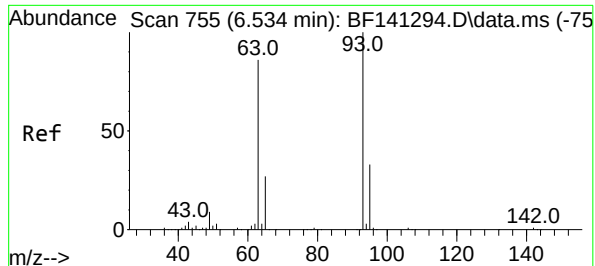
Ion Ratio Lower Upper

94 100

65 34.9 10.8 50.8

66 50.6 23.3 63.3

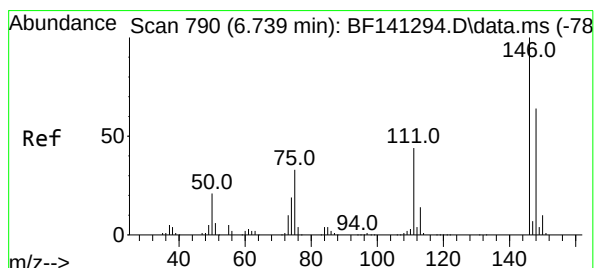
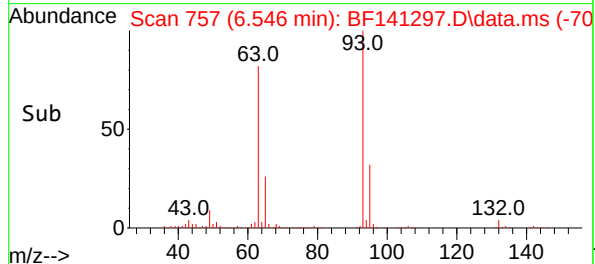
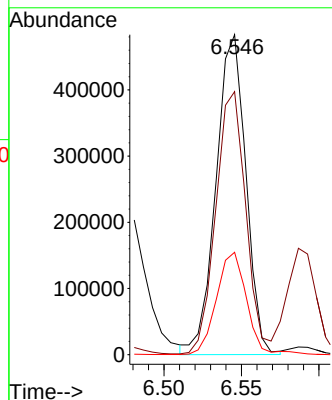
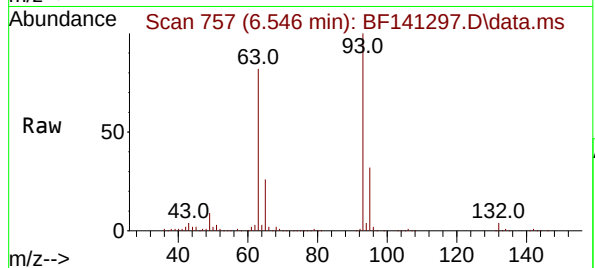




#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

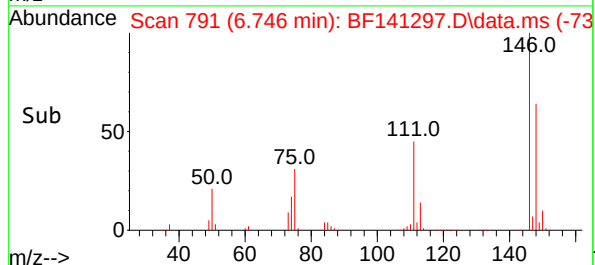
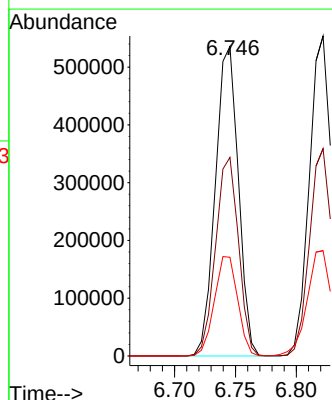
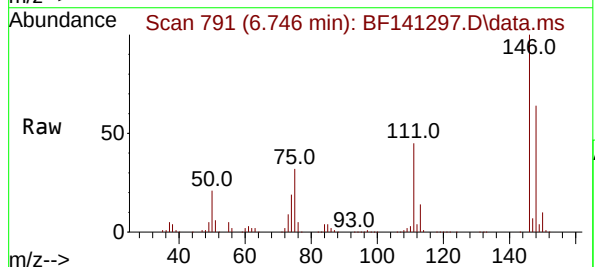
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

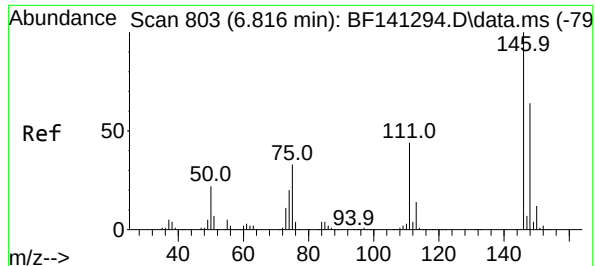
Tgt Ion: 93 Resp: 648287
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 146 Resp: 704973
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 31.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 69.256 ng

RT: 6.822 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

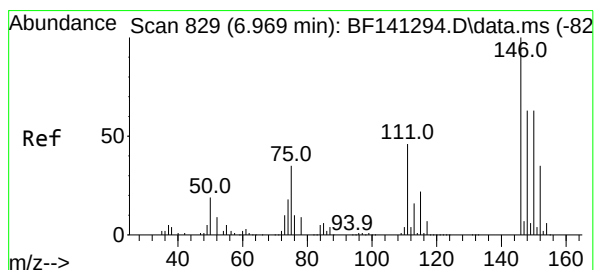
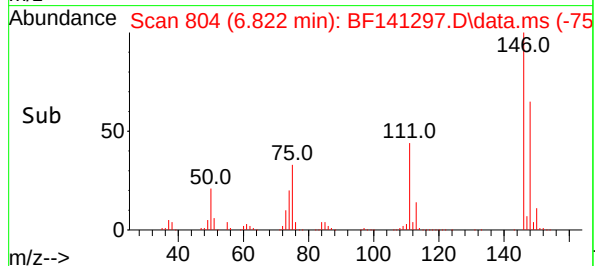
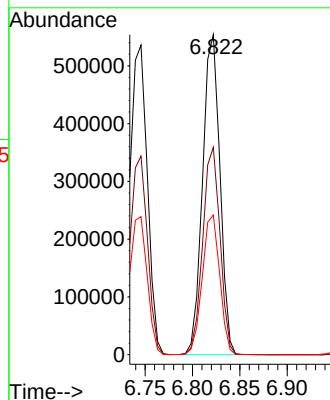
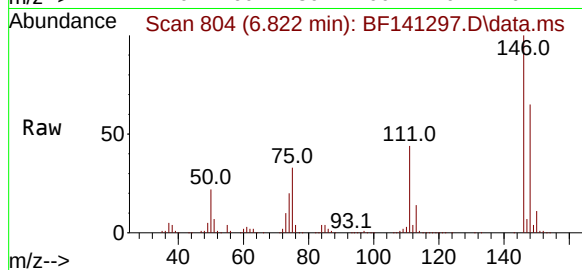
Tgt Ion:146 Resp: 706528

Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

111 43.6 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 66.867 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

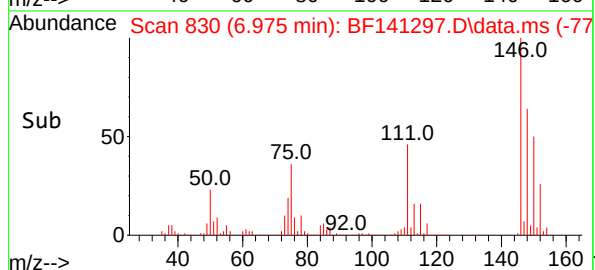
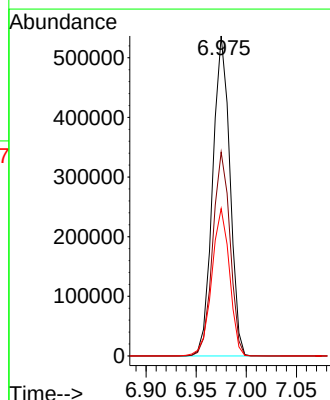
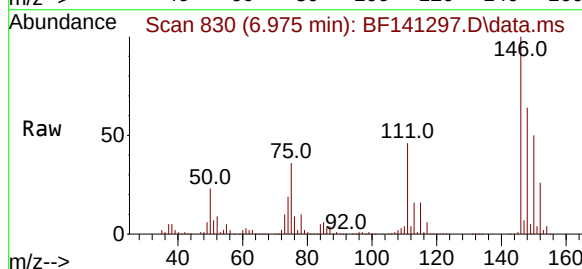
Tgt Ion:146 Resp: 641551

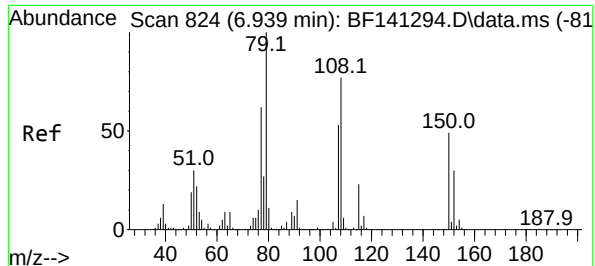
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 71.549 ng

RT: 6.946 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

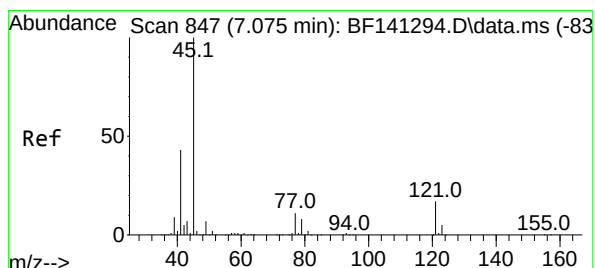
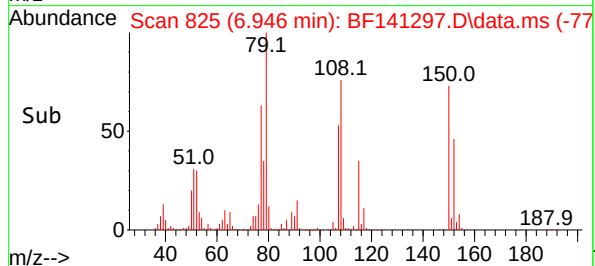
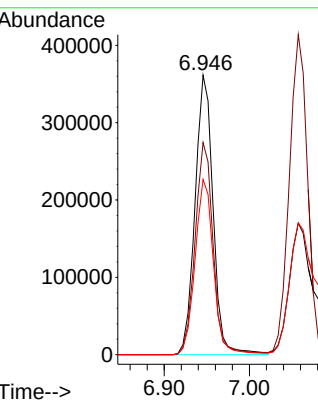
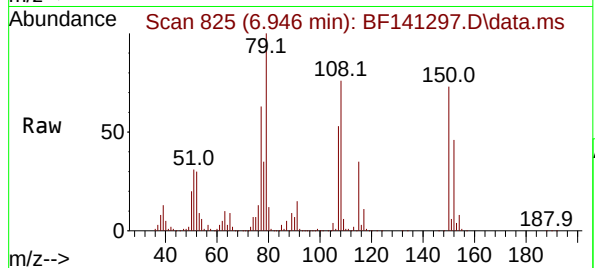
Tgt Ion: 79 Resp: 532270

Ion Ratio Lower Upper

79 100

108 75.9 61.4 92.0

77 62.7 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.953 ng

RT: 7.081 min Scan# 848

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

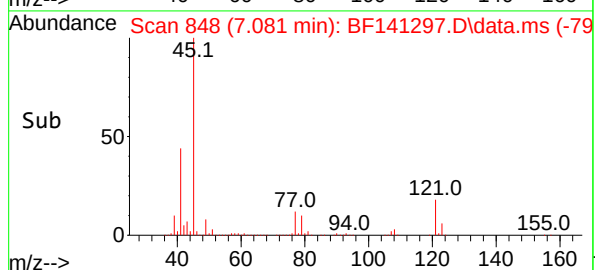
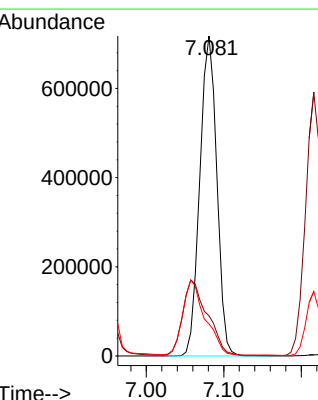
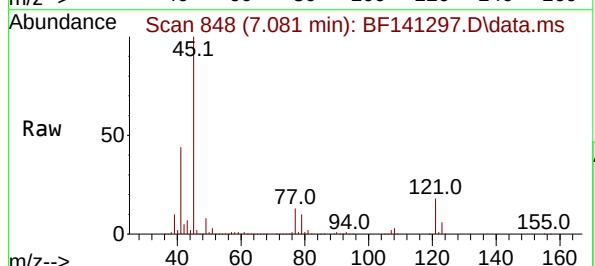
Tgt Ion: 45 Resp: 1092827

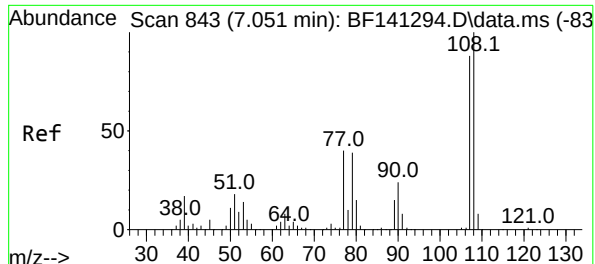
Ion Ratio Lower Upper

45 100

77 12.6 0.0 31.8

79 10.0 0.0 29.1

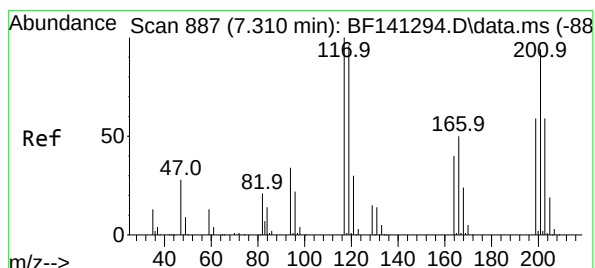
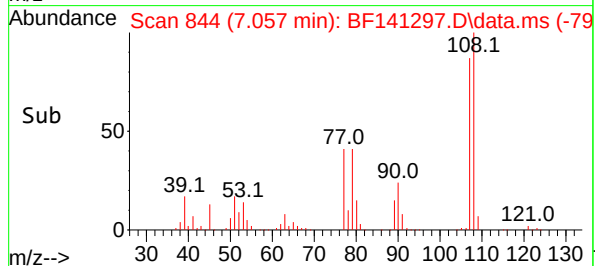
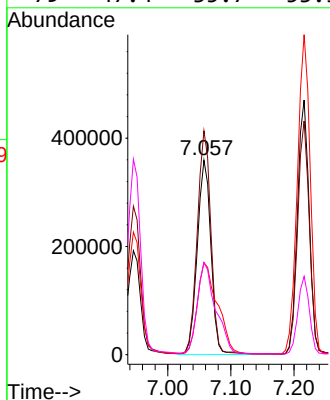
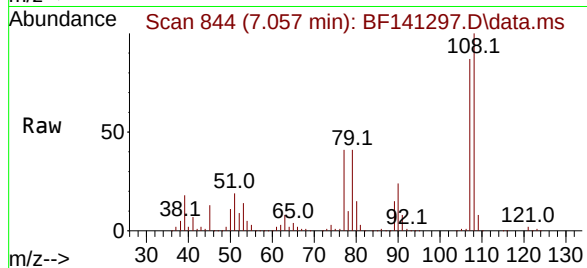




#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

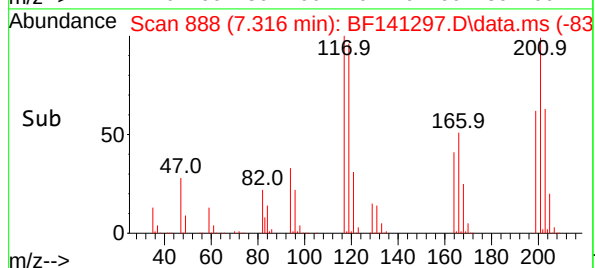
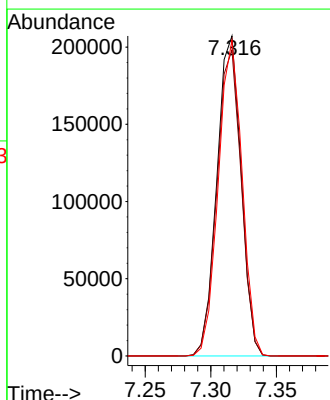
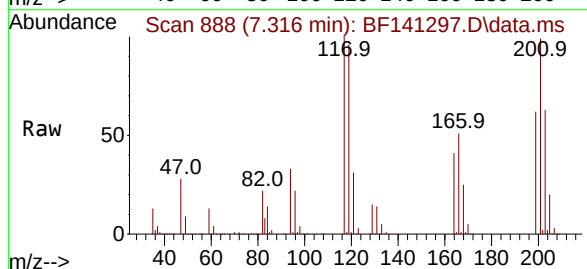
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

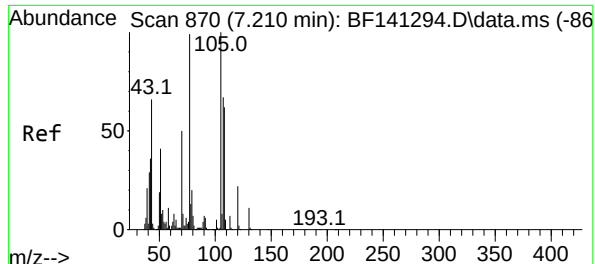
Tgt Ion:	107	Resp:	545097
Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.8	136.2
77	47.5	36.2	54.4
79	47.4	35.7	53.5



#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:	117	Resp:	265593
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	98.6	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 69.874 ng

RT: 7.228 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 452303

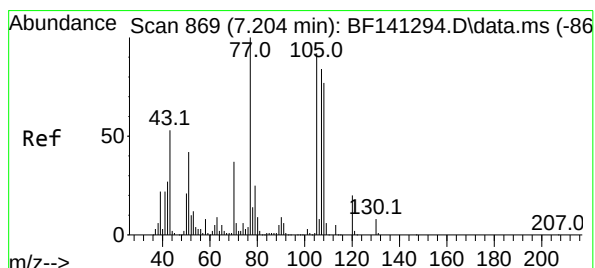
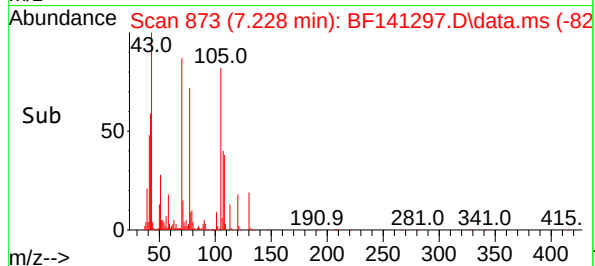
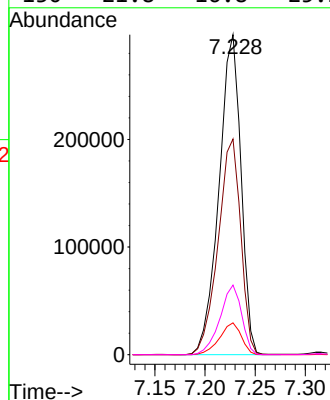
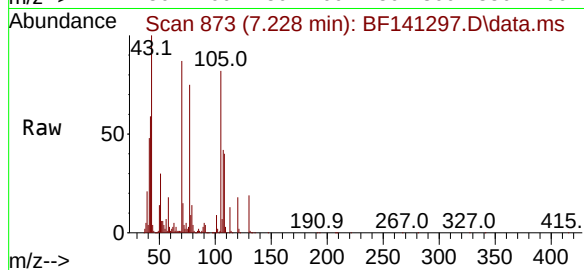
Ion Ratio Lower Upper

70 100

42 67.4 56.8 85.2

101 9.9 7.7 11.5

130 21.8 16.8 25.2



#20

3+4-Methylphenols

Concen: 66.467 ng

RT: 7.216 min Scan# 871

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 107 Resp: 613997

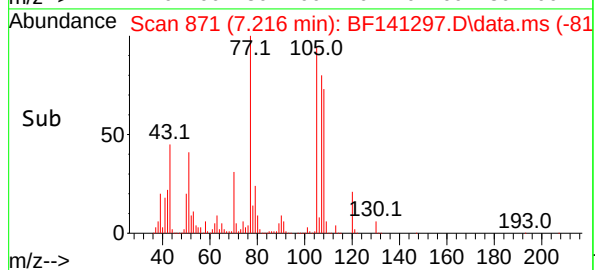
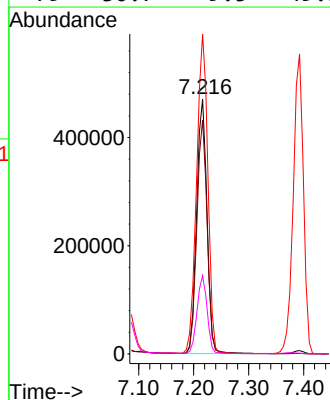
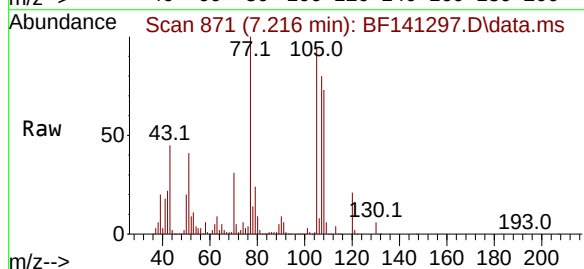
Ion Ratio Lower Upper

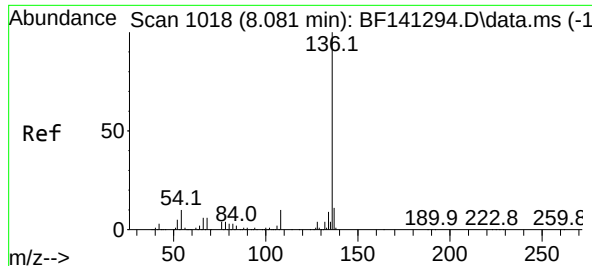
107 100

108 91.8 70.9 110.9

77 125.6 98.5 138.5

79 30.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.087 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 500219

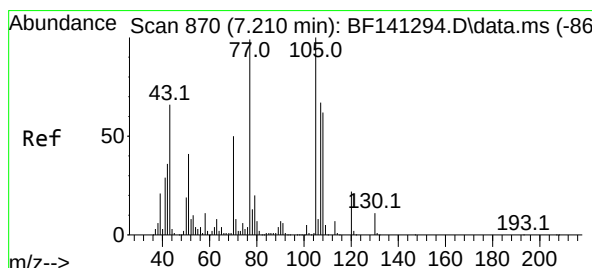
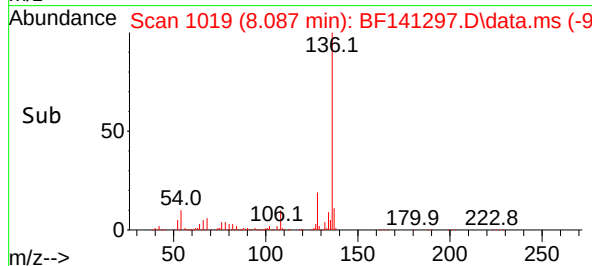
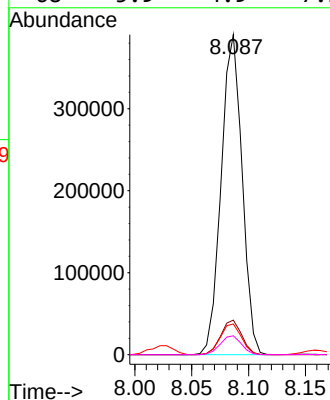
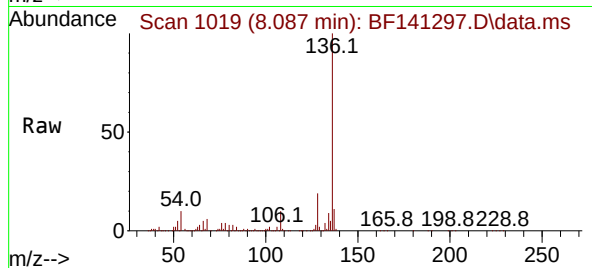
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.6 7.8 11.8

68 5.9 4.9 7.3



#22

Acetophenone

Concen: 67.811 ng

RT: 7.216 min Scan# 871

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

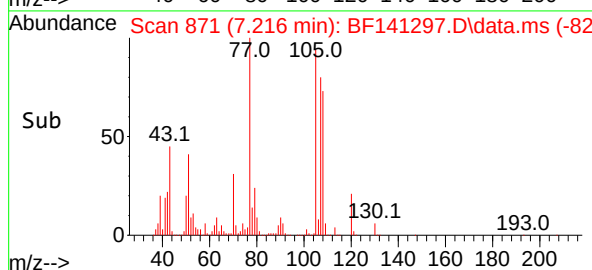
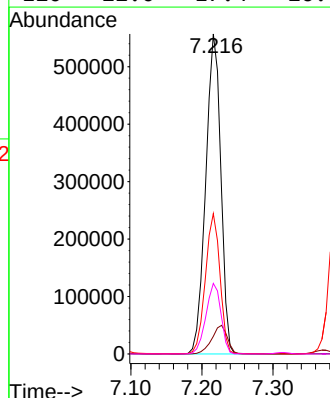
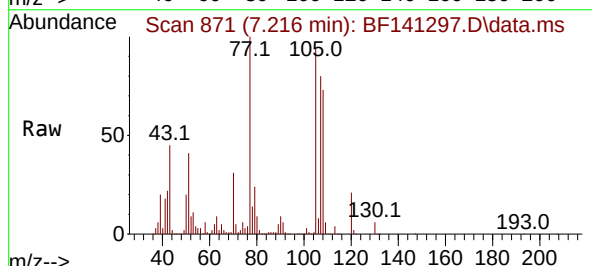
Ion Ratio Lower Upper

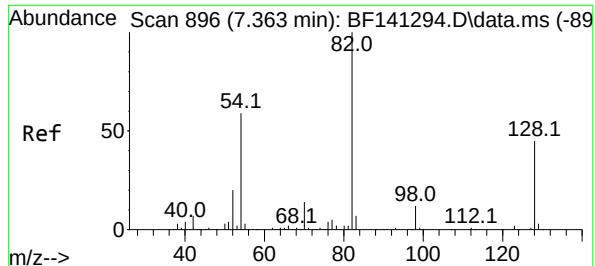
105 100

71 5.5 6.8 10.2#

51 43.9 32.6 49.0

120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 145.214 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

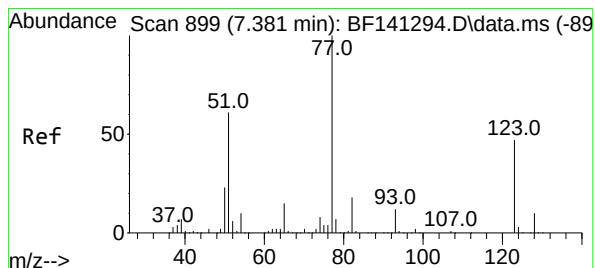
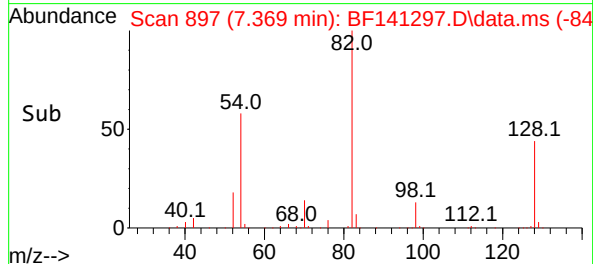
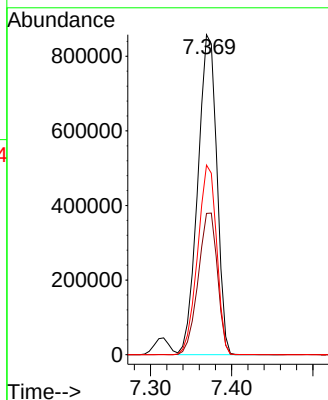
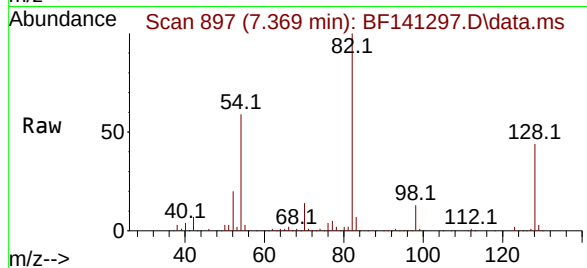
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7



#24

Nitrobenzene

Concen: 71.762 ng

RT: 7.393 min Scan# 901

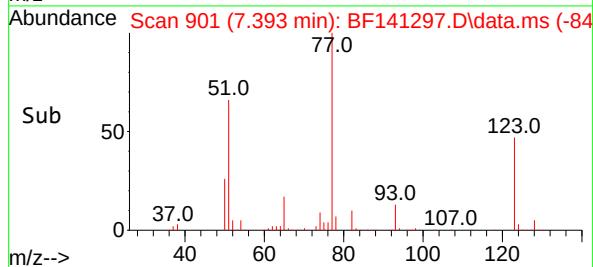
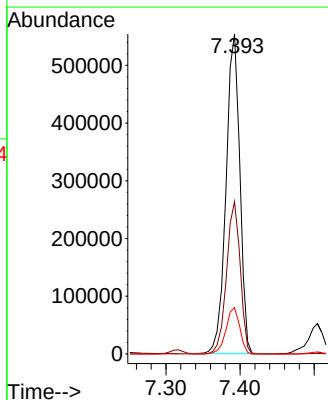
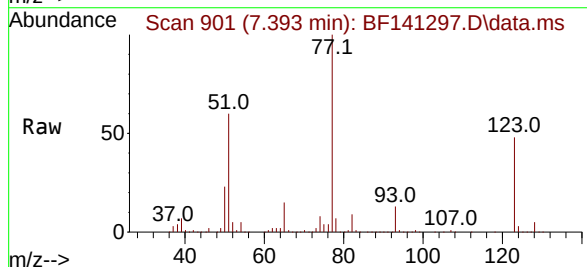
Delta R.T. 0.006 min

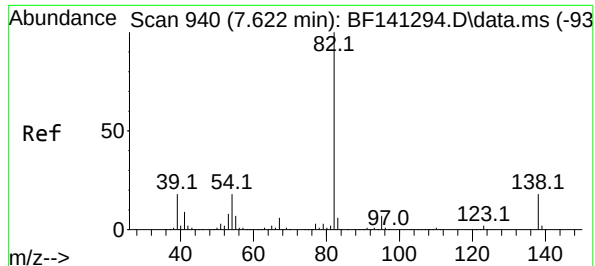
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6





#25

Isophorone

Concen: 74.193 ng

RT: 7.628 min Scan# 941

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

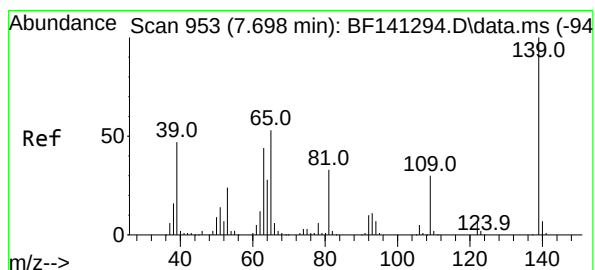
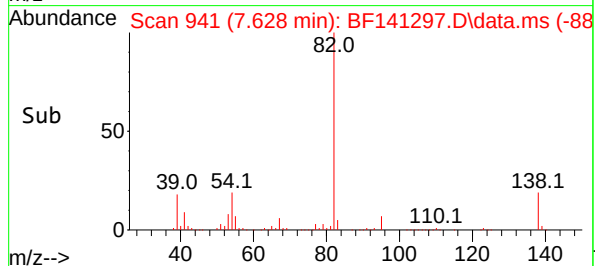
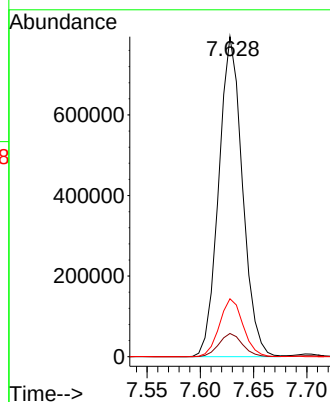
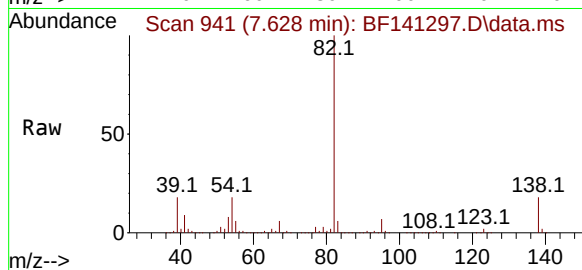
Tgt Ion: 82 Resp: 1229697

Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.6

138 18.1 14.7 22.1



#26

2-Nitrophenol

Concen: 76.912 ng

RT: 7.704 min Scan# 954

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

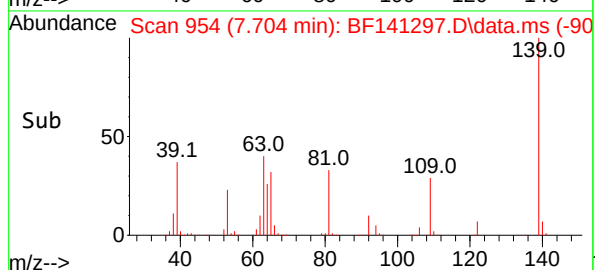
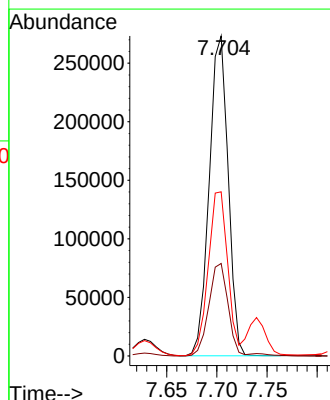
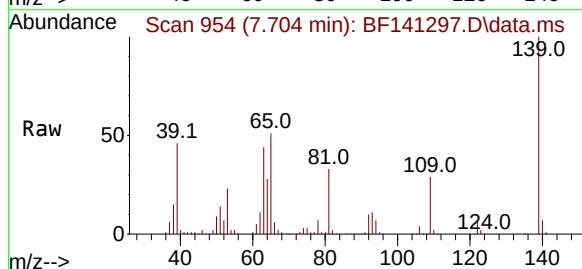
Tgt Ion: 139 Resp: 358664

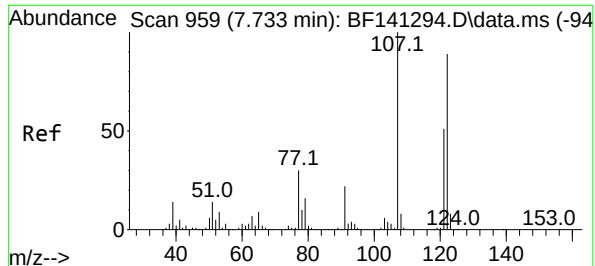
Ion Ratio Lower Upper

139 100

109 28.9 23.8 35.6

65 51.3 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 74.779 ng

RT: 7.740 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

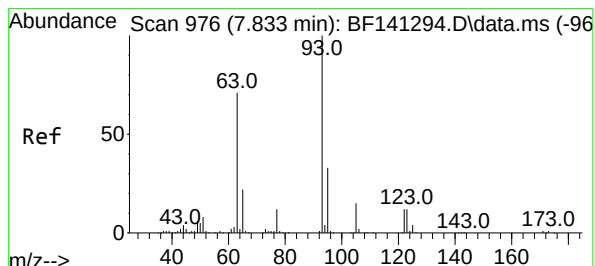
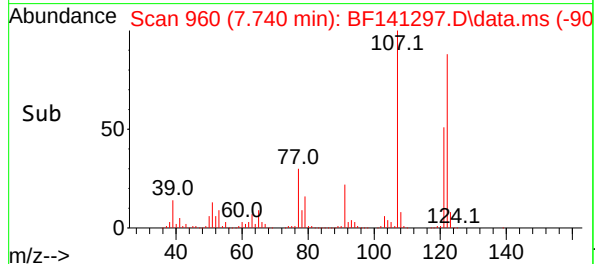
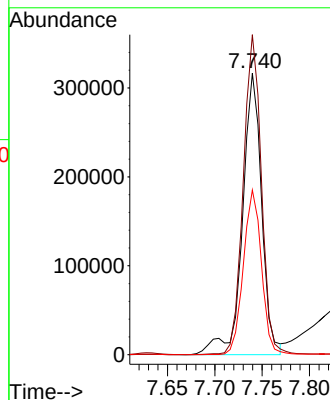
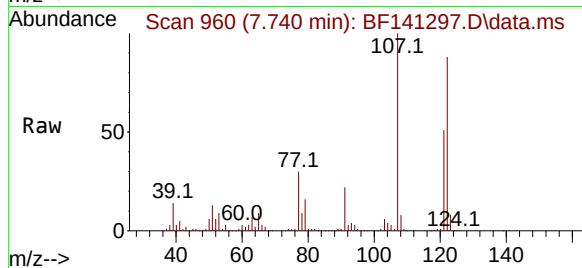
Tgt Ion:122 Resp: 445560

Ion Ratio Lower Upper

122 100

107 113.7 89.9 134.9

121 58.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 72.405 ng

RT: 7.840 min Scan# 977

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

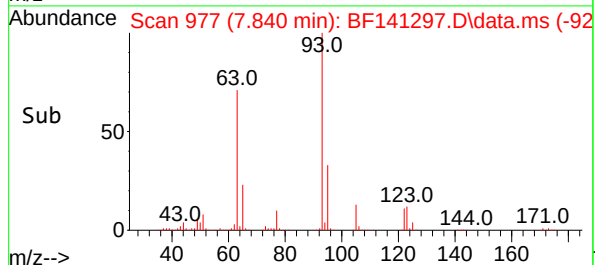
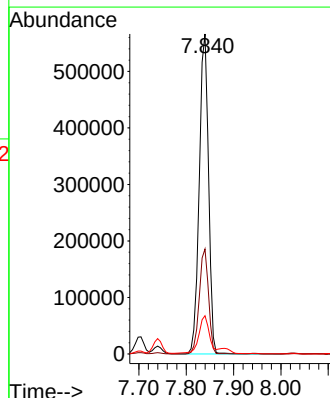
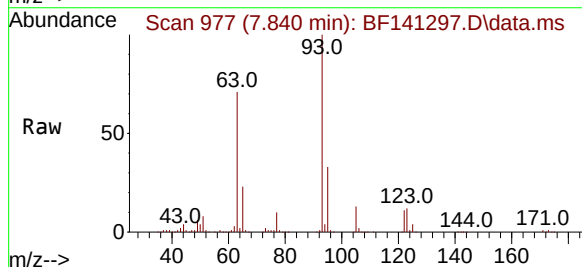
Tgt Ion: 93 Resp: 767960

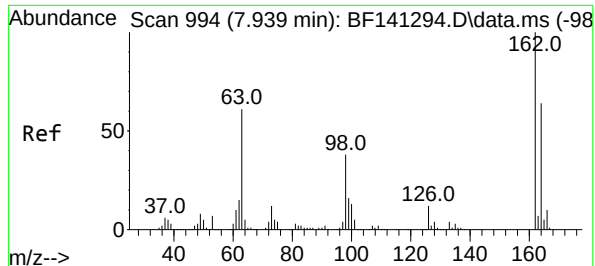
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 71.573 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141297.D

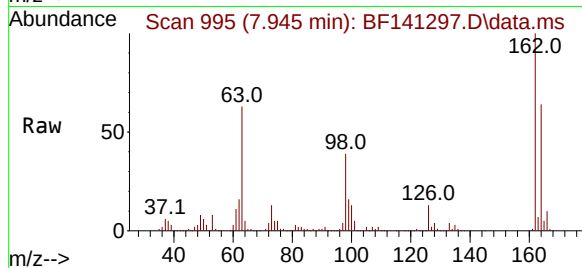
Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



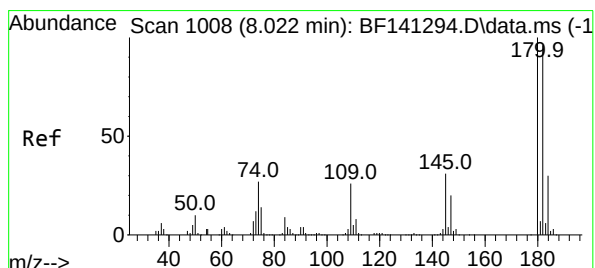
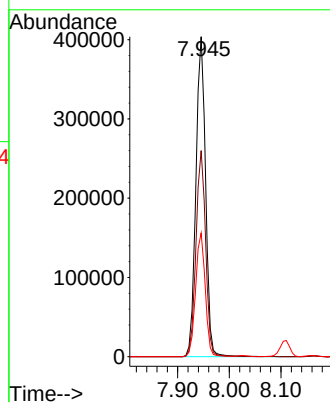
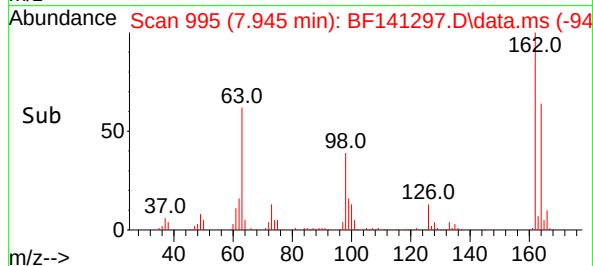
Tgt Ion:162 Resp: 525117

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.6 18.2 58.2



#30

1,2,4-Trichlorobenzene

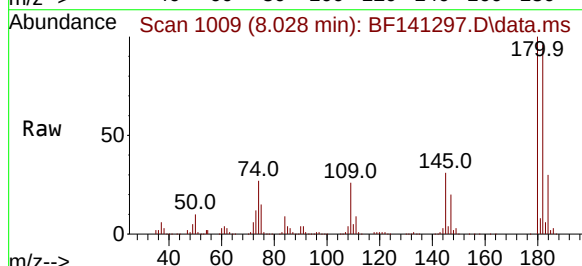
Concen: 69.437 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05



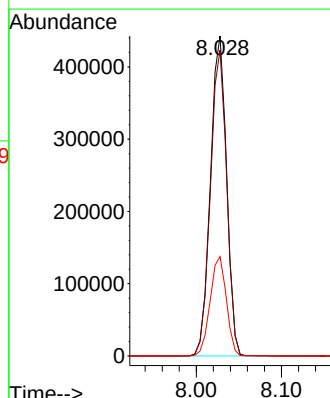
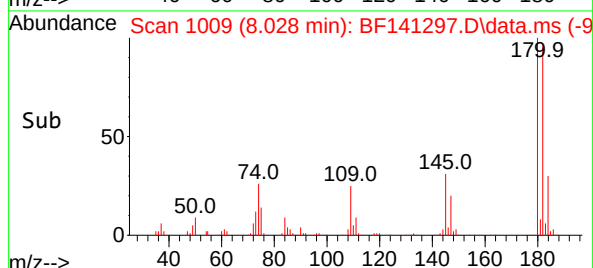
Tgt Ion:180 Resp: 584061

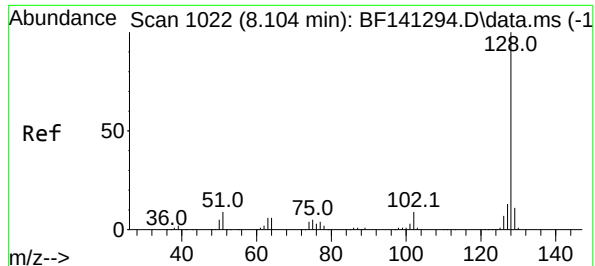
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 68.107 ng

RT: 8.110 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

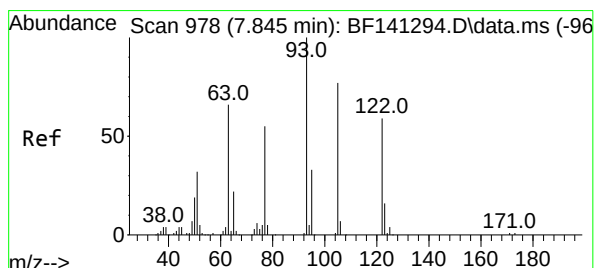
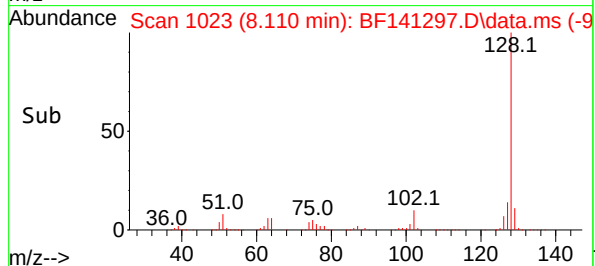
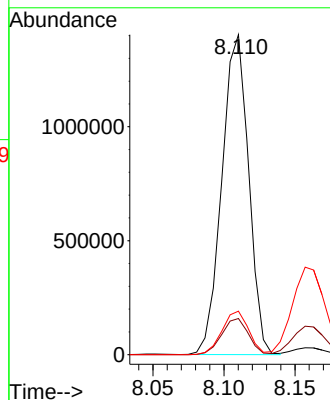
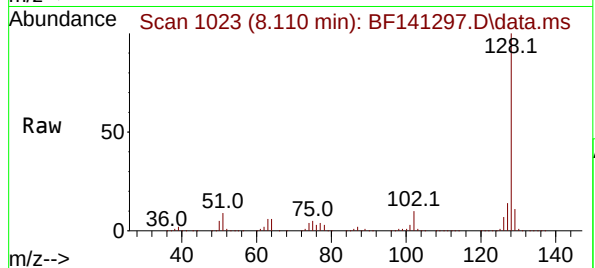
Tgt Ion:128 Resp: 1838789

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.6 10.6 15.8



#32

Benzoic acid

Concen: 91.066 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

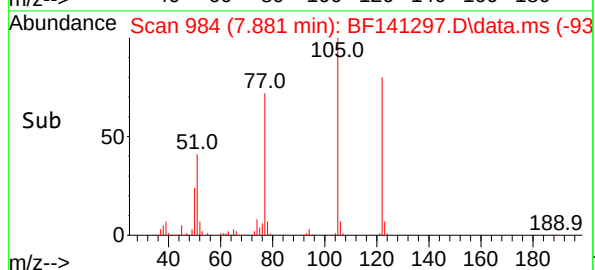
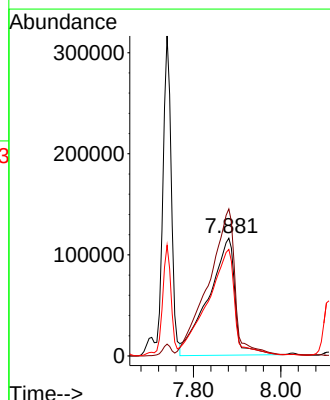
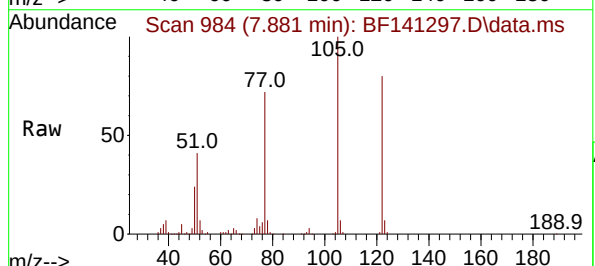
Tgt Ion:122 Resp: 484583

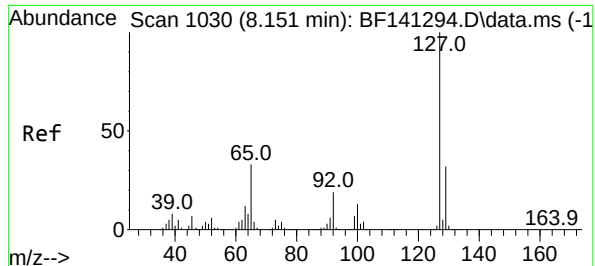
Ion Ratio Lower Upper

122 100

105 124.8 103.4 143.4

77 90.5 70.9 110.9

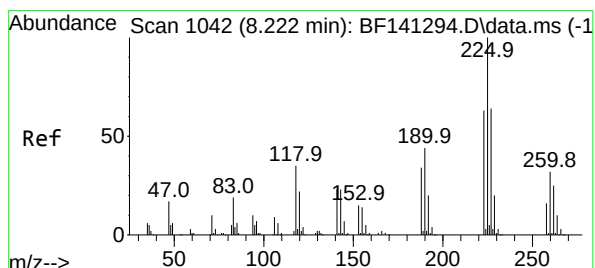
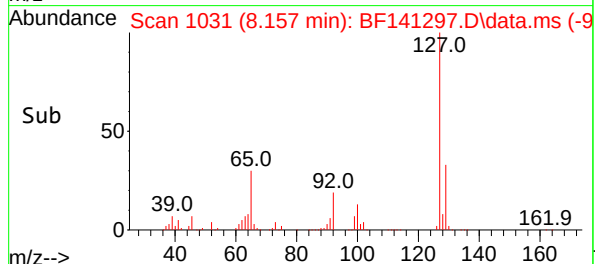
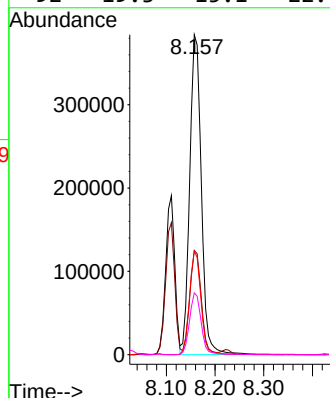
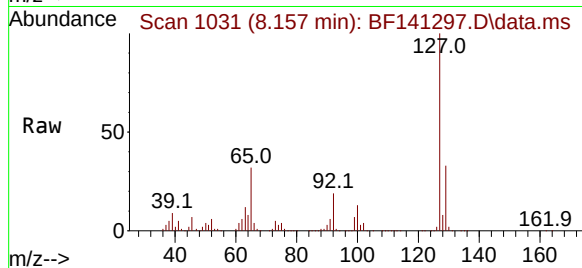




#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

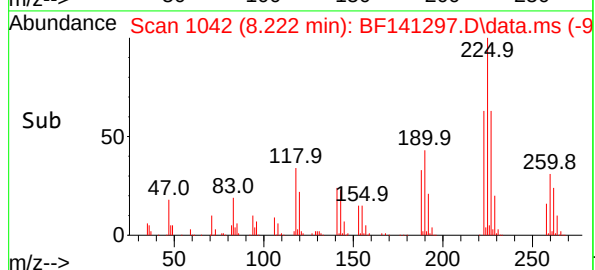
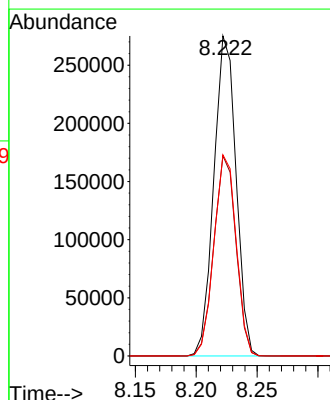
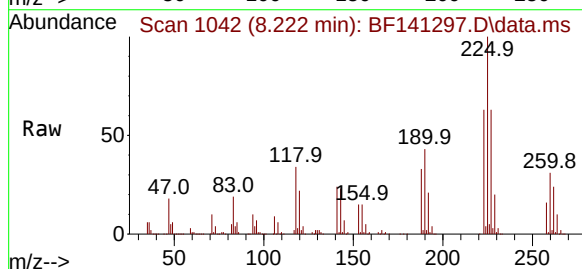
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

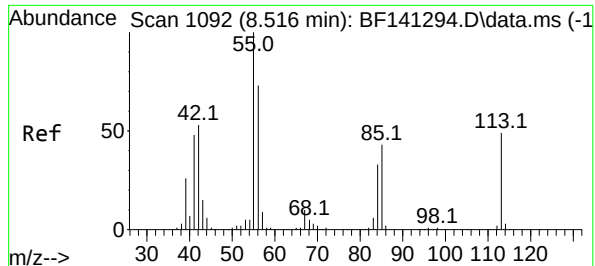
Tgt Ion:127	Resp: 636568
Ion Ratio	Lower Upper
127 100	
129 32.6	25.7 38.5
65 32.4	26.4 39.6
92 19.3	15.1 22.7



#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225	Resp: 348822
Ion Ratio	Lower Upper
225 100	
223 62.5	50.4 75.6
227 62.9	51.3 76.9

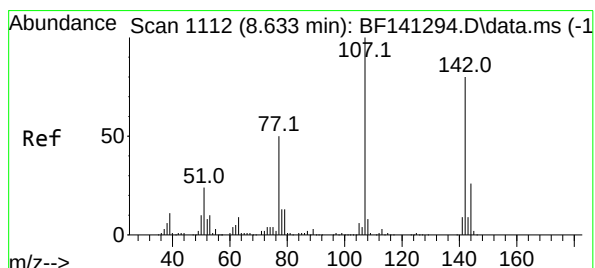
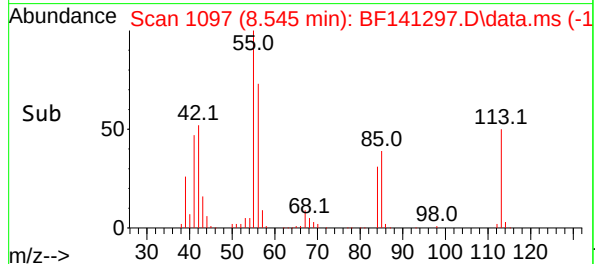
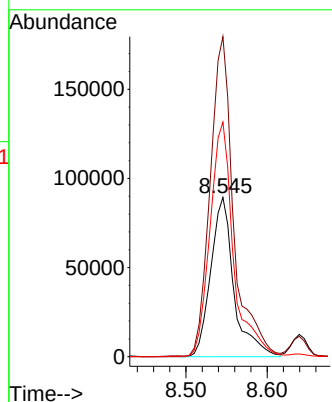
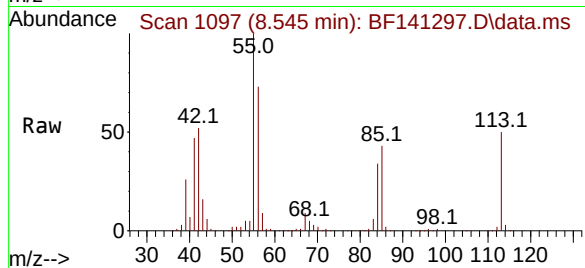




#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1109
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

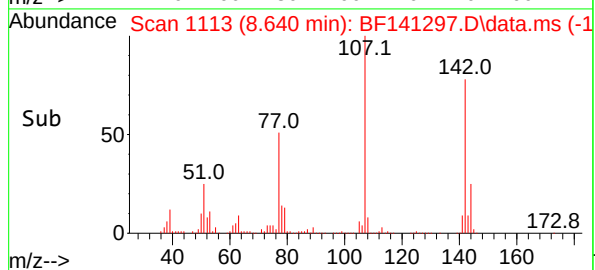
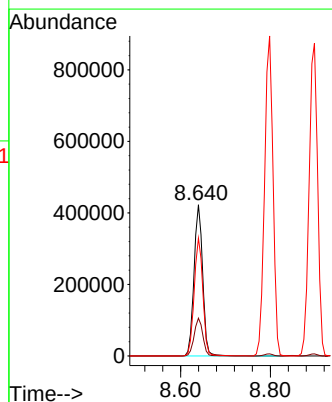
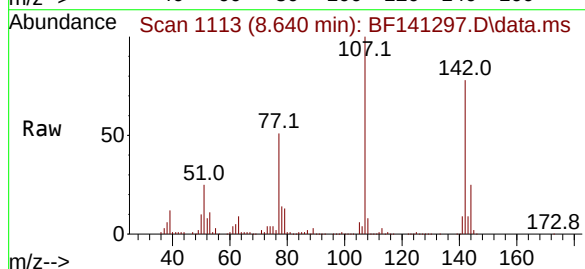
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

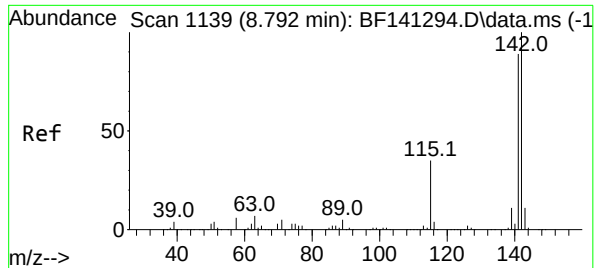
Tgt Ion:113 Resp: 177093
Ion Ratio Lower Upper
113 100
55 201.0 182.9 222.9
56 147.3 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827
Ion Ratio Lower Upper
107 100
144 24.9 20.7 31.1
142 77.9 63.8 95.8





#37

2-Methylnaphthalene

Concen: 67.926 ng

RT: 8.798 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

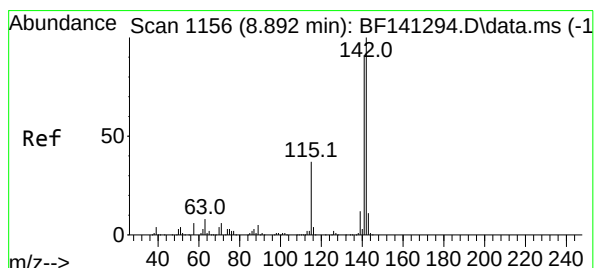
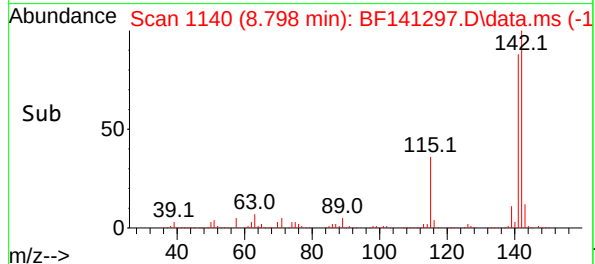
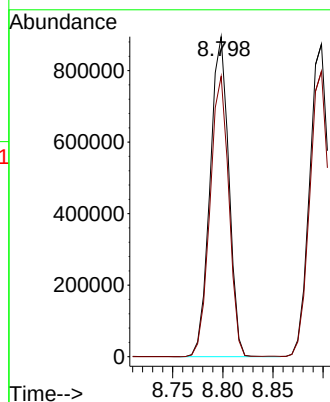
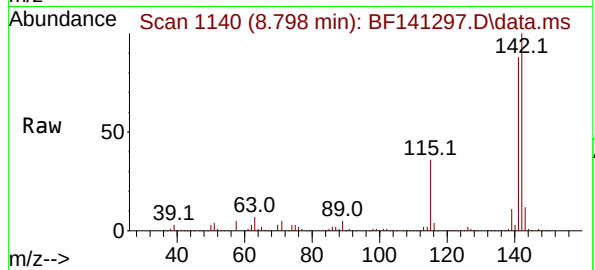
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9



#38

1-Methylnaphthalene

Concen: 67.988 ng

RT: 8.898 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF141297.D

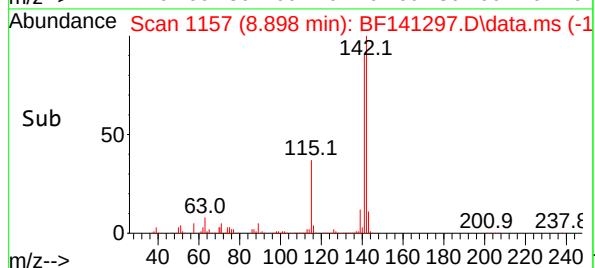
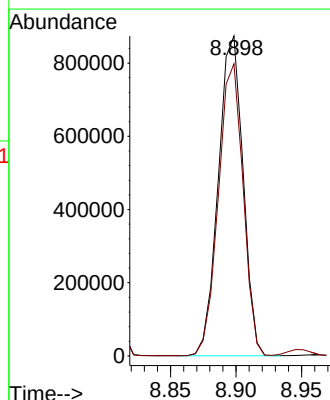
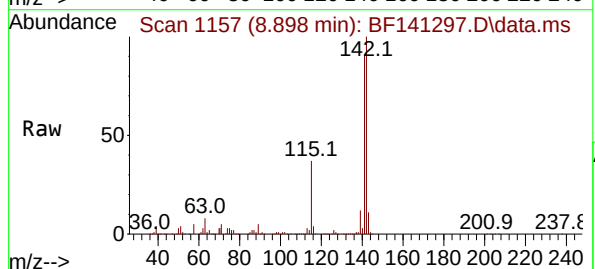
Acq: 29 Jan 2025 17:05

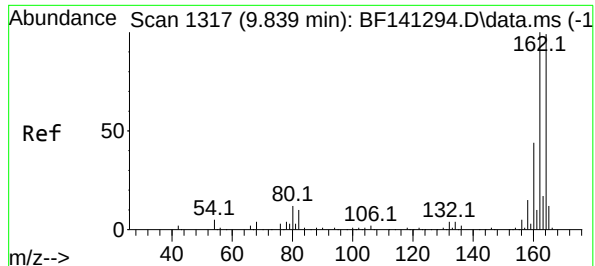
Tgt Ion:142 Resp: 1146275

Ion Ratio Lower Upper

142 100

141 91.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

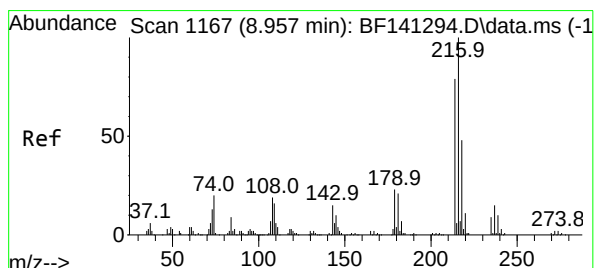
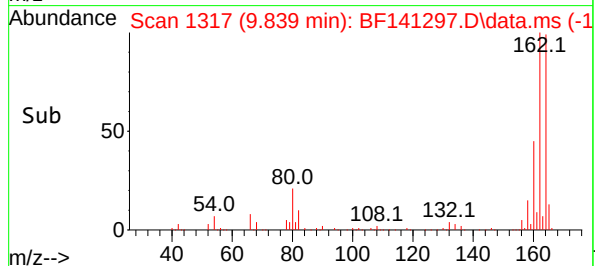
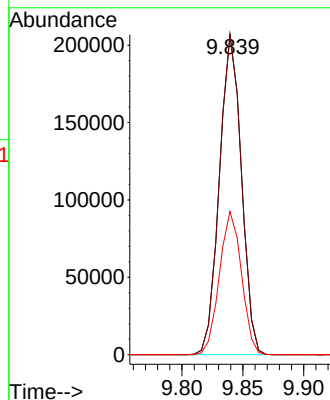
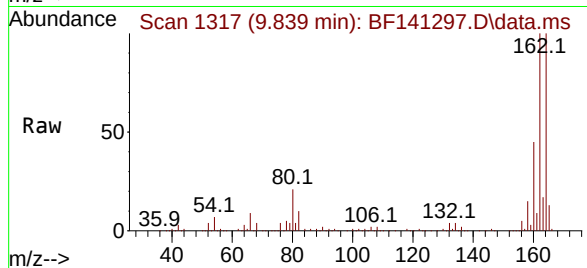
Tgt Ion:164 Resp: 259556

Ion Ratio Lower Upper

164 100

162 99.9 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 70.756 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

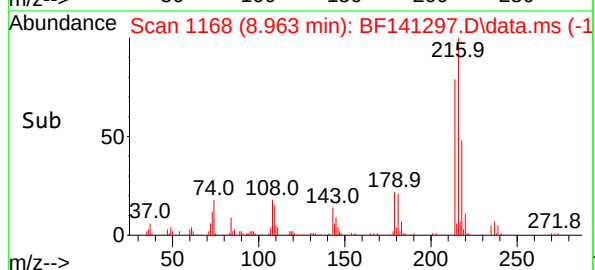
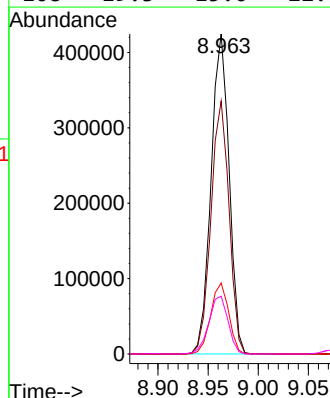
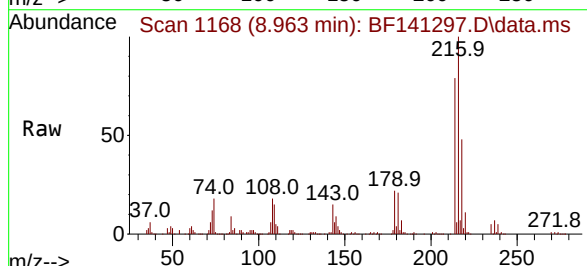
Ion Ratio Lower Upper

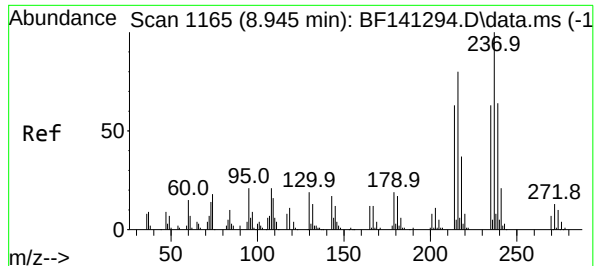
216 100

214 79.2 63.2 94.8

179 22.3 17.8 26.8

108 19.3 15.0 22.6

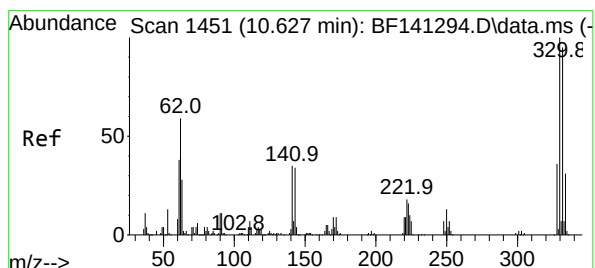
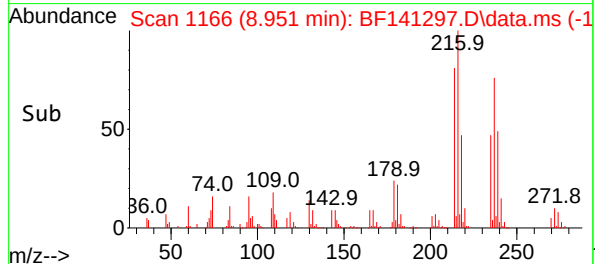
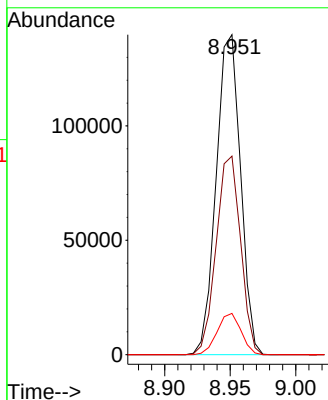
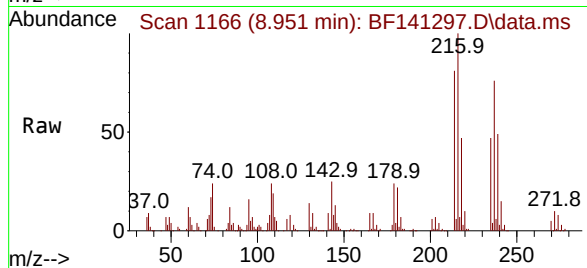




#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

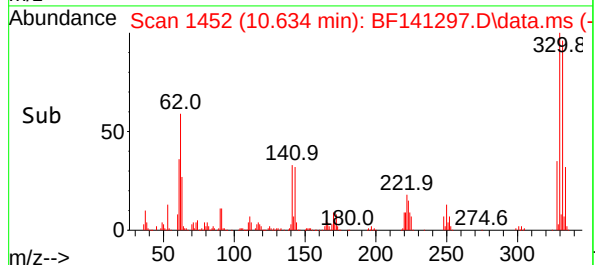
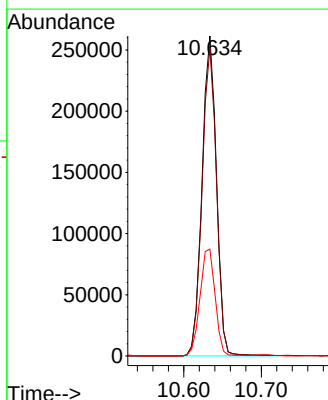
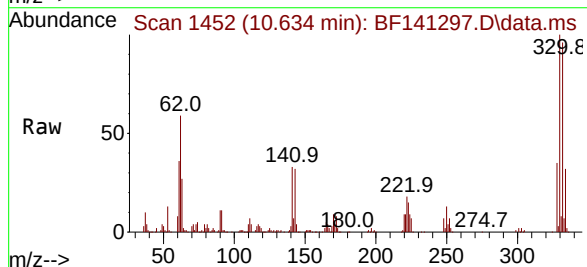
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

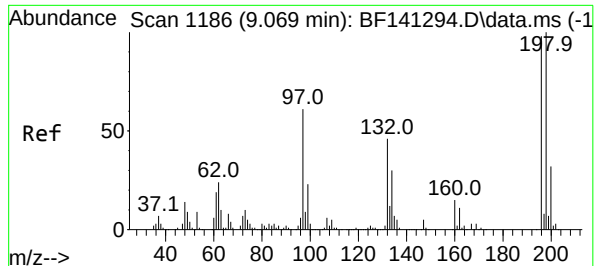
Tgt Ion:237 Resp: 180658
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 73.727 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

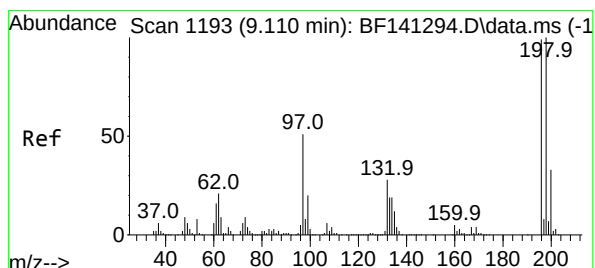
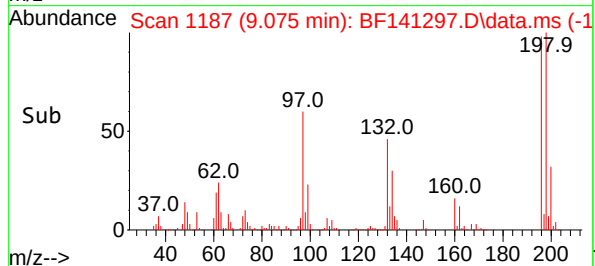
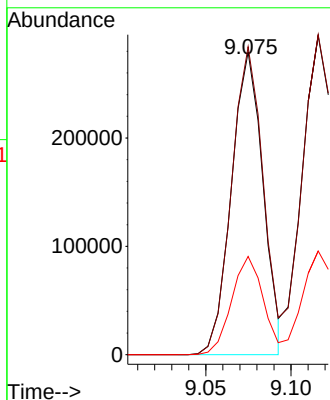
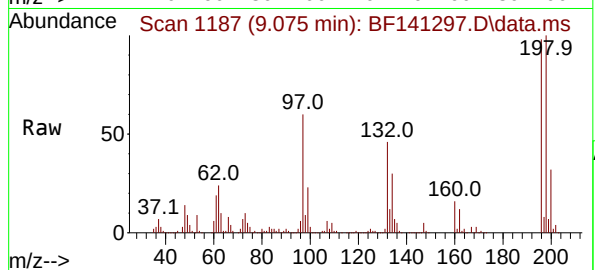
Tgt Ion:196 Resp: 360370

Ion Ratio Lower Upper

196 100

198 101.8 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 74.958 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

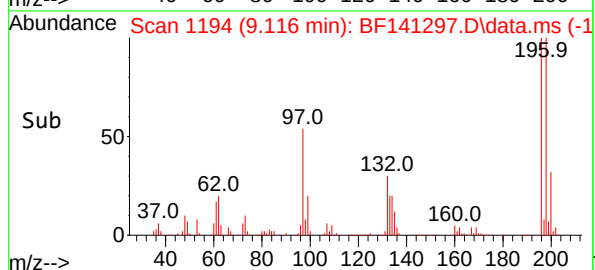
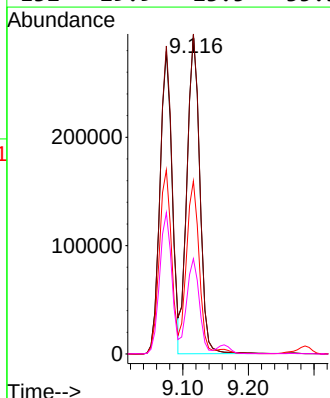
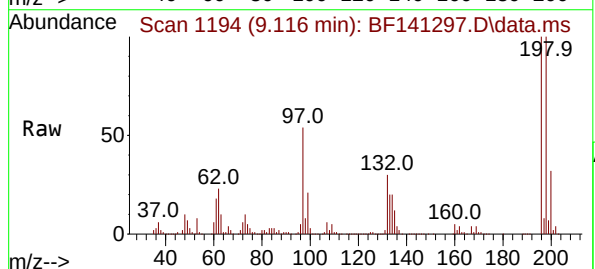
Ion Ratio Lower Upper

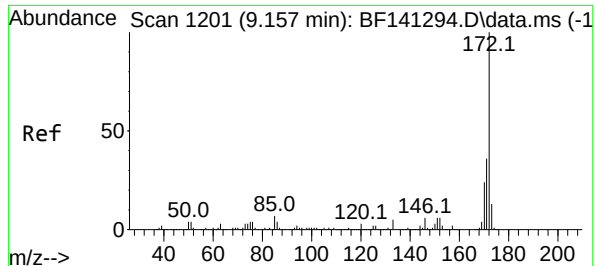
196 100

198 100.3 80.5 120.7

97 54.2 42.8 64.2

132 29.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 129.739 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

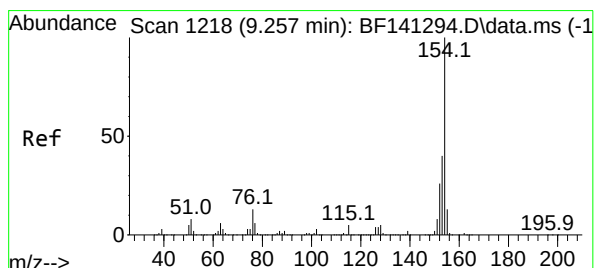
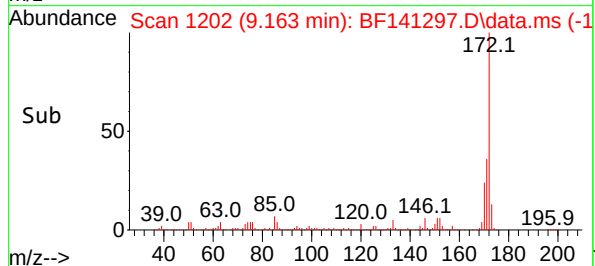
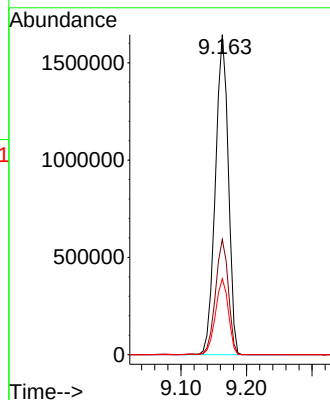
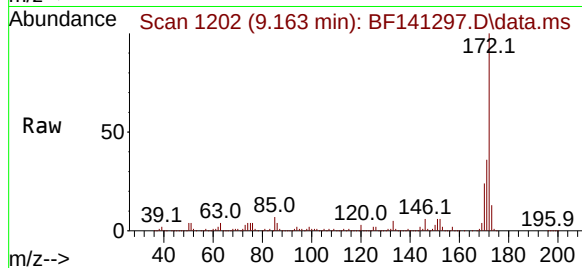
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.0	28.6



#46

1,1'-Biphenyl

Concen: 68.298 ng

RT: 9.263 min Scan# 1219

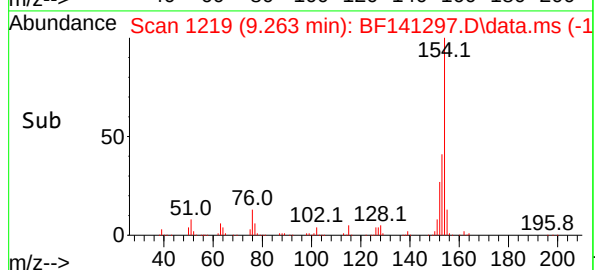
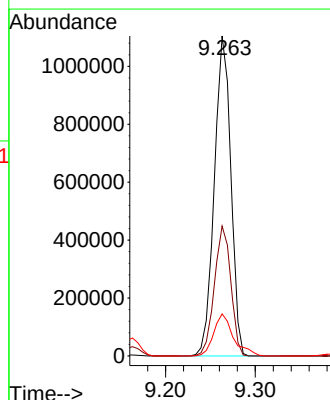
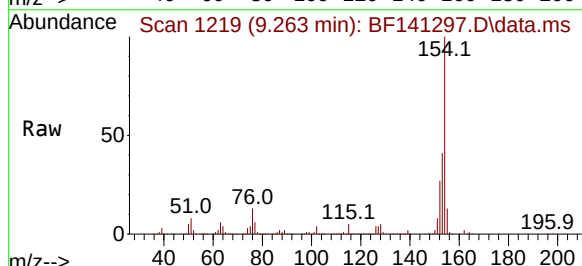
Delta R.T. 0.000 min

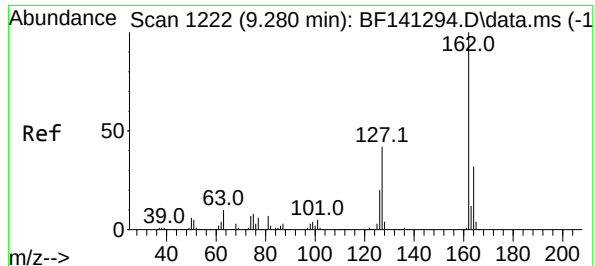
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8





#47

2-Chloronaphthalene

Concen: 69.578 ng

RT: 9.287 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

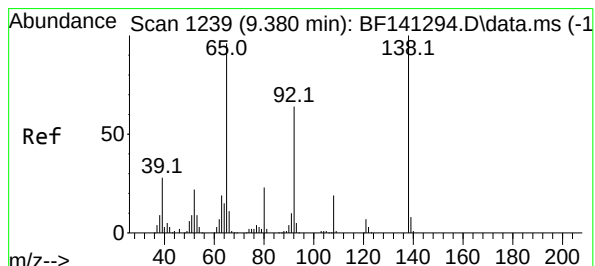
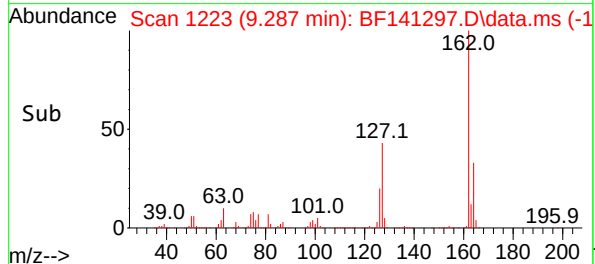
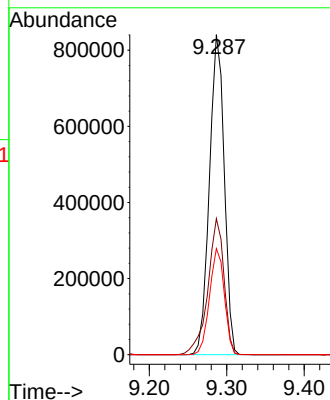
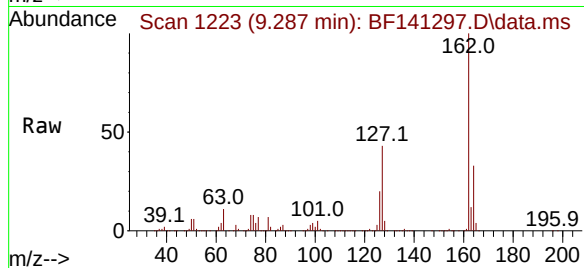
Tgt Ion:162 Resp: 1118593

Ion Ratio Lower Upper

162 100

127 42.5 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 75.652 ng

RT: 9.381 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

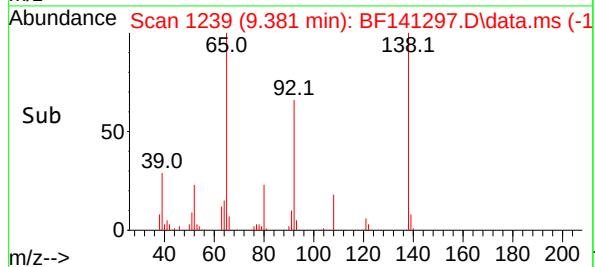
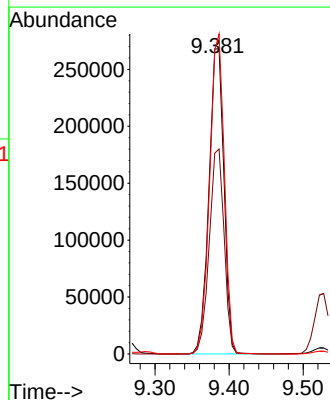
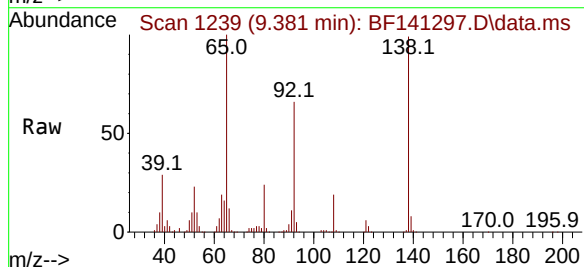
Tgt Ion: 65 Resp: 378379

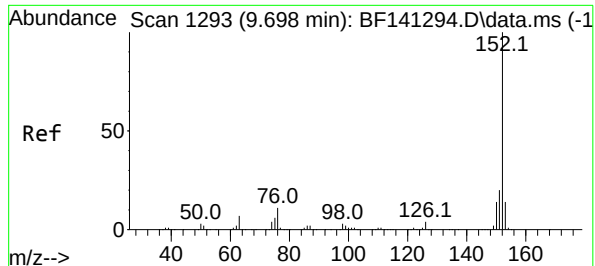
Ion Ratio Lower Upper

65 100

92 65.8 53.3 79.9

138 99.5 83.6 125.4





#49

Acenaphthylene

Concen: 68.901 ng

RT: 9.704 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

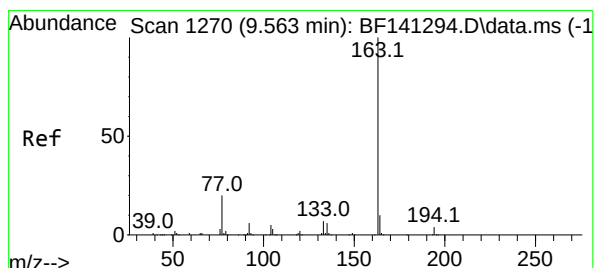
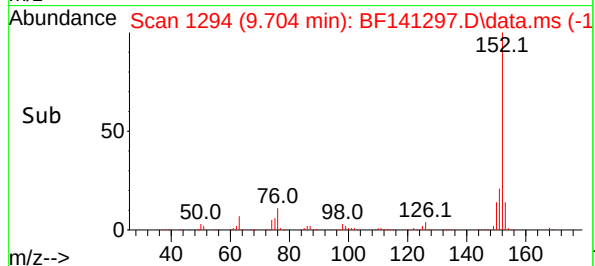
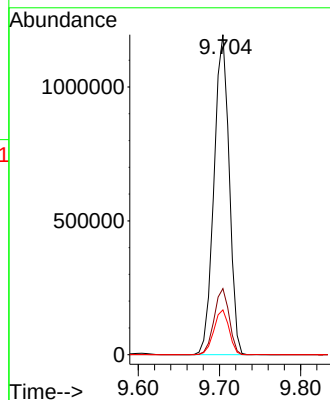
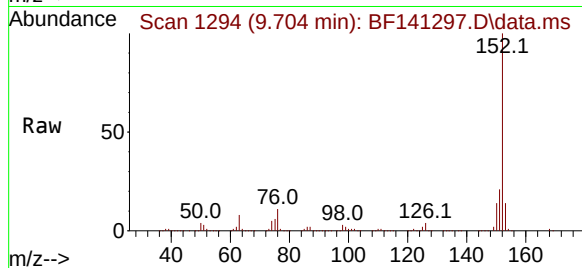
Tgt Ion:152 Resp: 1552508

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.2

153 14.0 11.0 16.6



#50

Dimethylphthalate

Concen: 71.308 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

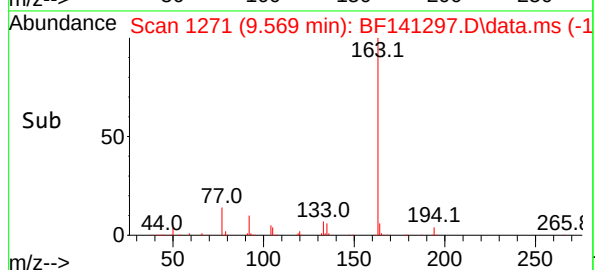
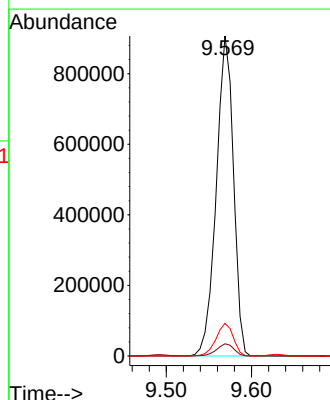
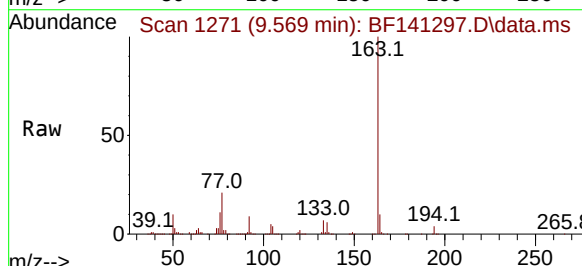
Tgt Ion:163 Resp: 1269770

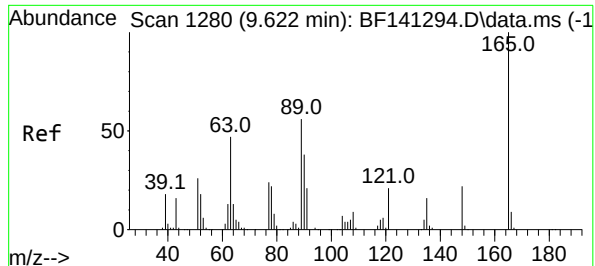
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 72.992 ng

RT: 9.628 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

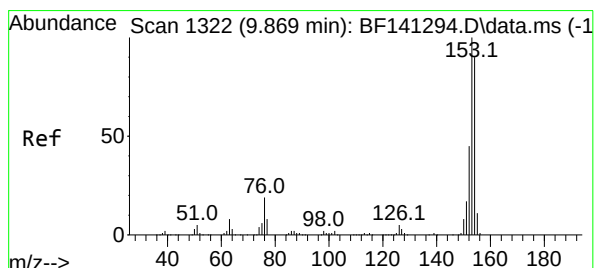
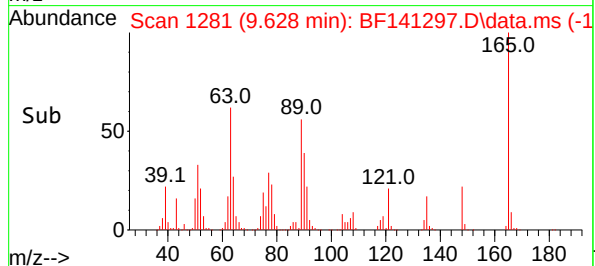
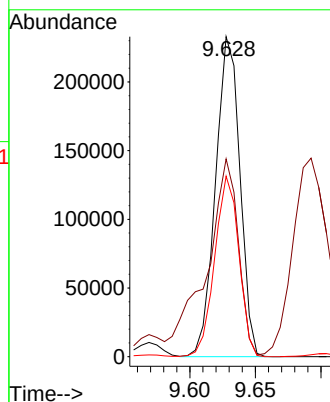
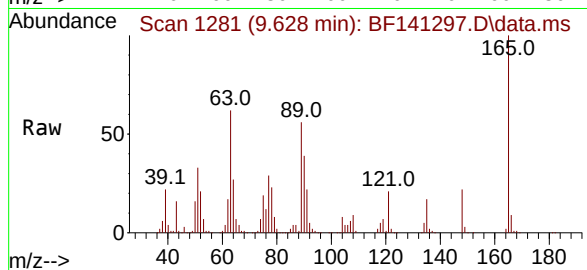
Tgt Ion:165 Resp: 300867

Ion Ratio Lower Upper

165 100

63 61.8 48.1 72.1

89 56.4 44.9 67.3



#52

Acenaphthene

Concen: 69.700 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

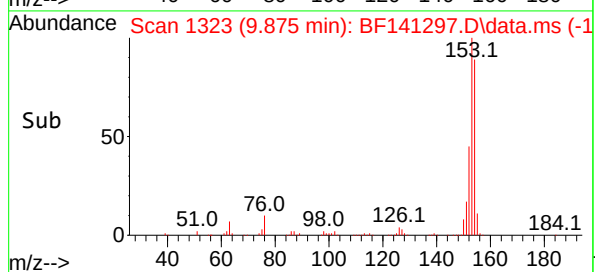
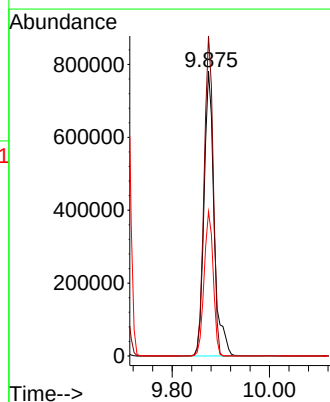
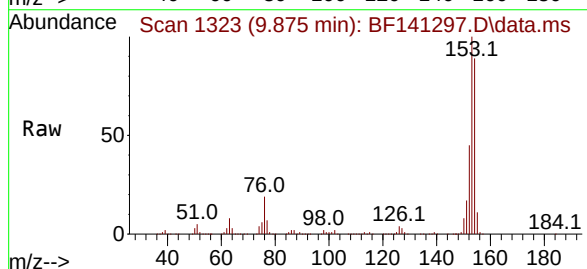
Tgt Ion:154 Resp: 1120345

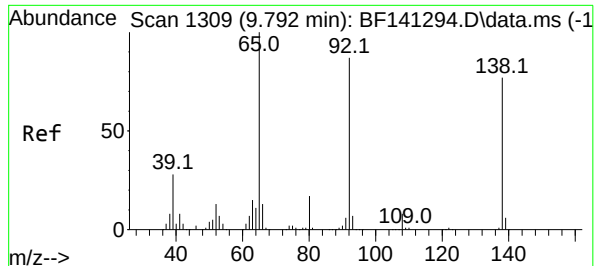
Ion Ratio Lower Upper

154 100

153 112.5 89.0 133.4

152 50.7 40.2 60.4

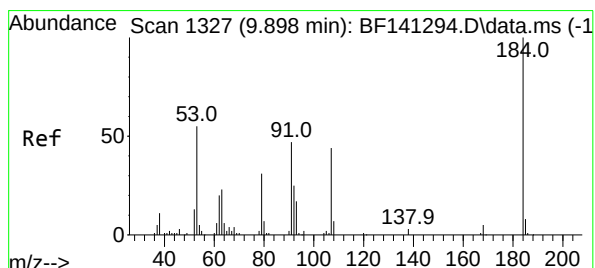
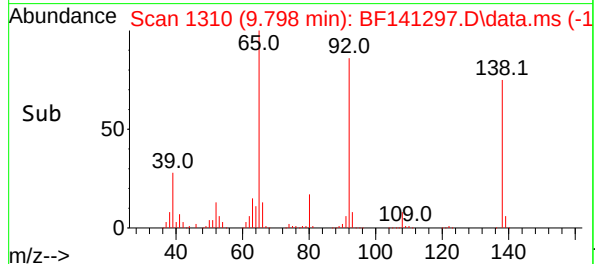
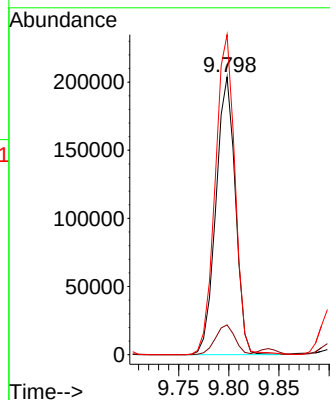
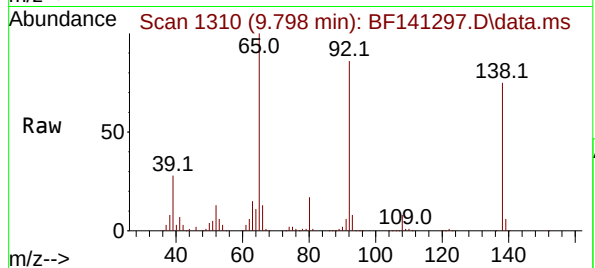




#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

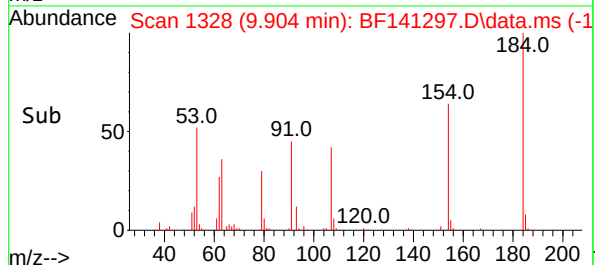
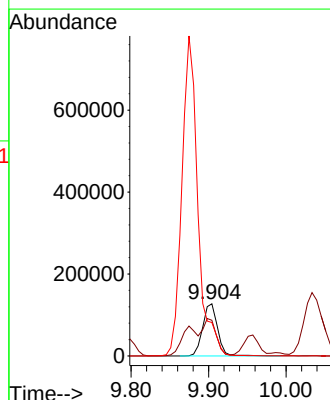
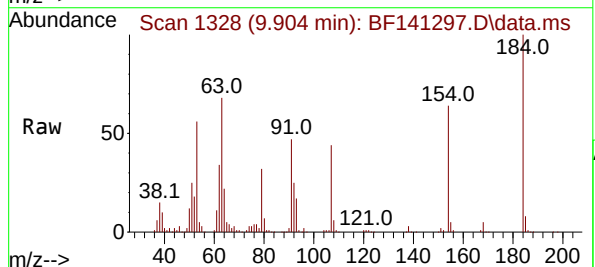
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

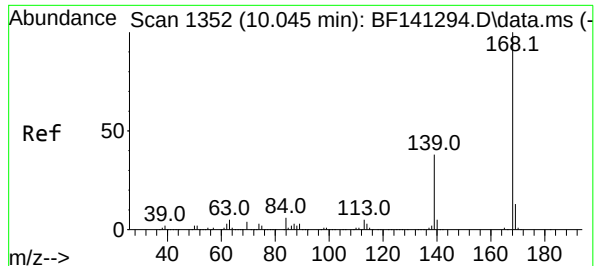
Tgt Ion:138 Resp: 274410
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946
Ion Ratio Lower Upper
184 100
63 68.3 54.1 81.1
154 64.0 50.7 76.1





#55

Dibenzenofuran

Concen: 67.158 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

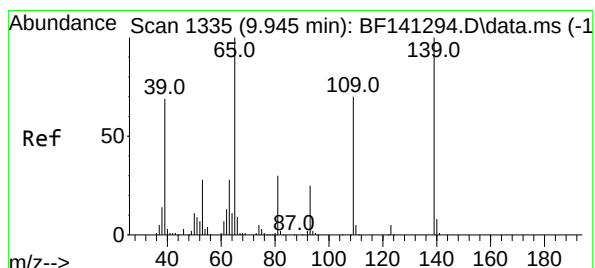
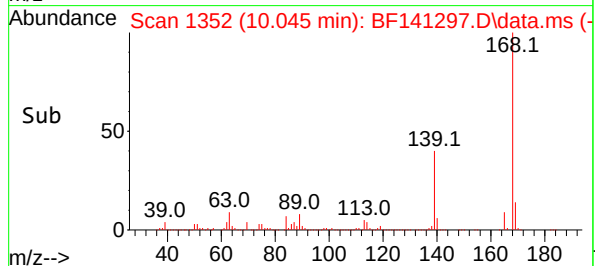
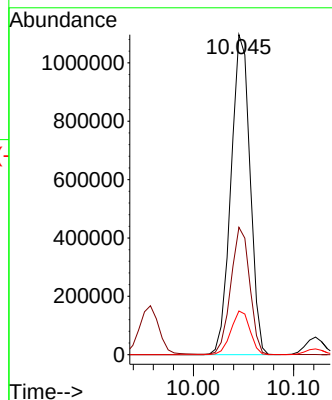
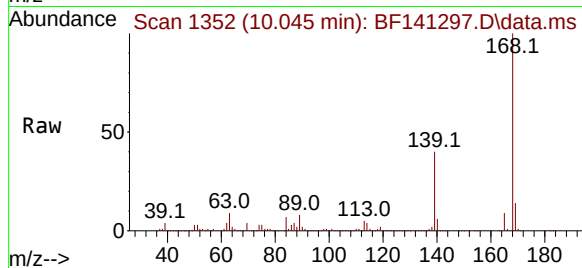
Tgt Ion:168 Resp: 1451668

Ion Ratio Lower Upper

168 100

139 39.8 30.6 46.0

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 78.788 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

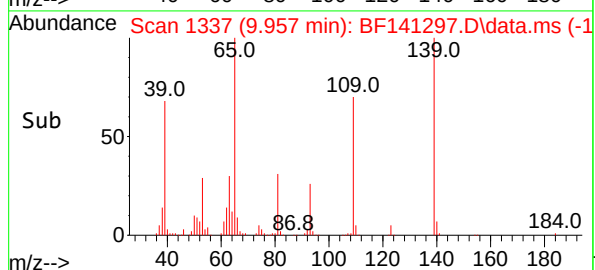
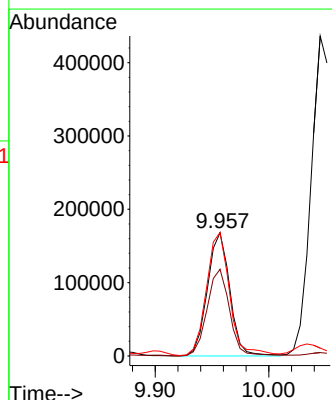
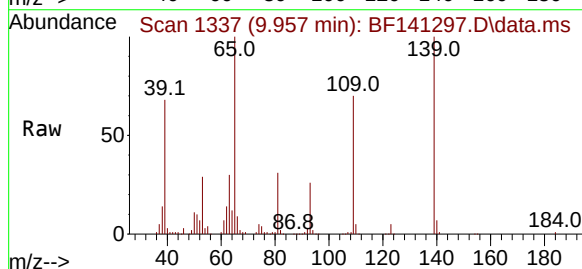
Tgt Ion:139 Resp: 230369

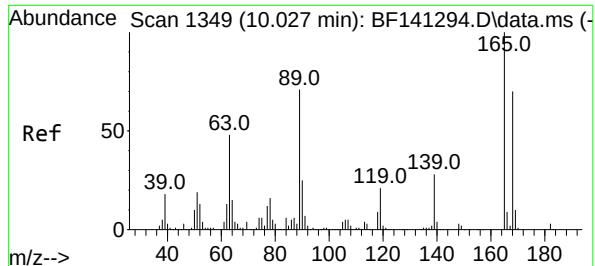
Ion Ratio Lower Upper

139 100

109 70.4 50.2 90.2

65 100.3 80.6 120.6



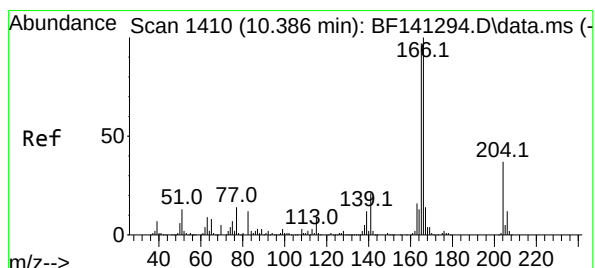
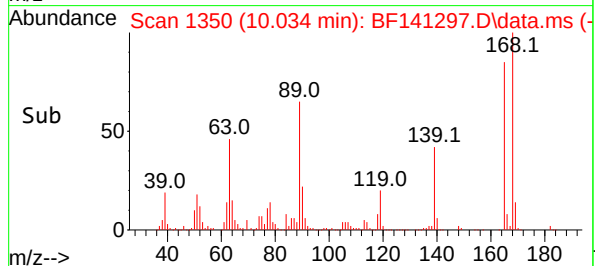
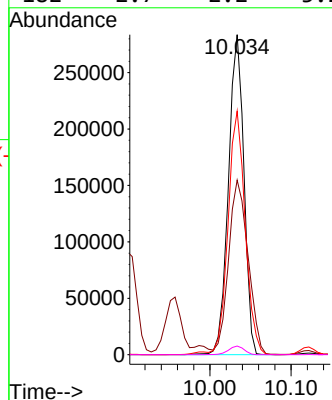
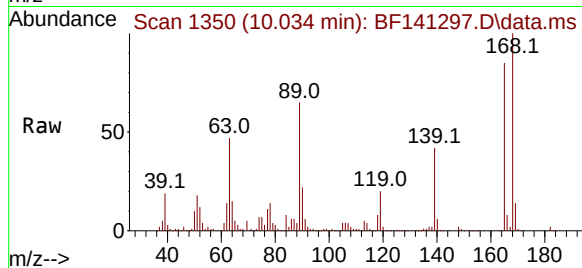


#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 375659

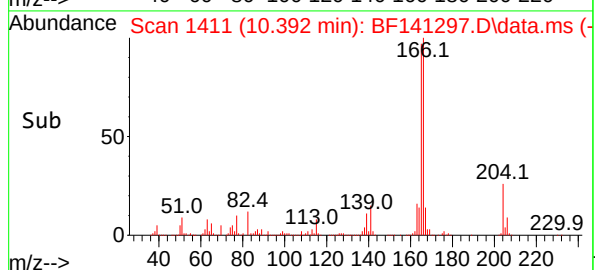
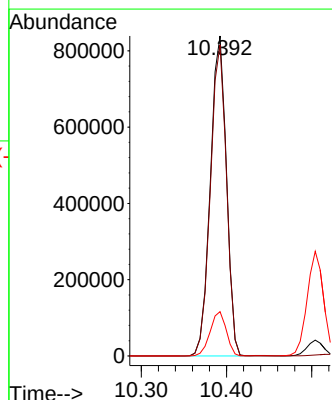
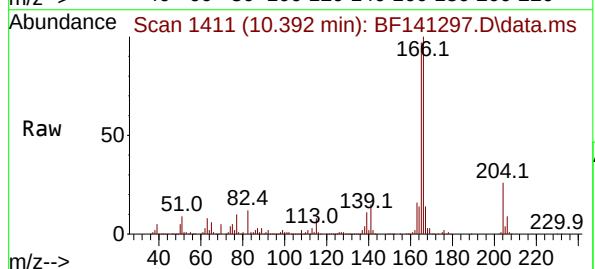
Ion	Ratio	Lower	Upper
165	100		
63	54.5	39.2	58.8
89	76.1	56.9	85.3
182	2.7	2.2	3.2

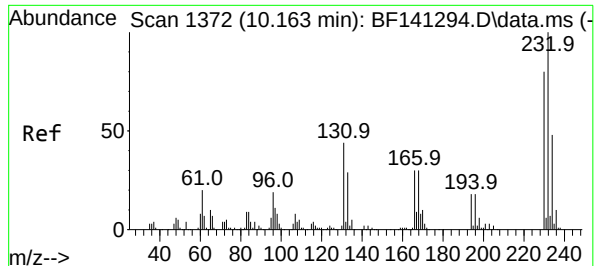


#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.9	10.9	16.3

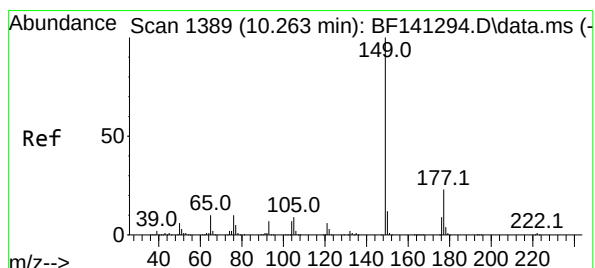
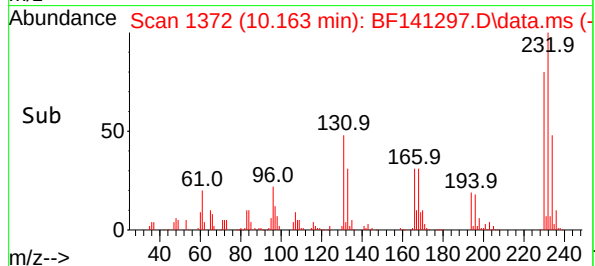
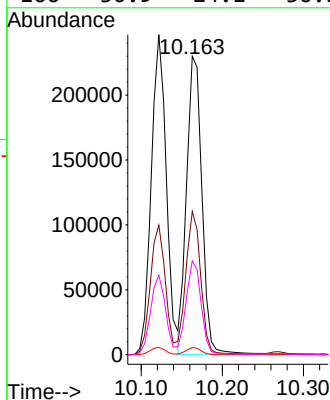
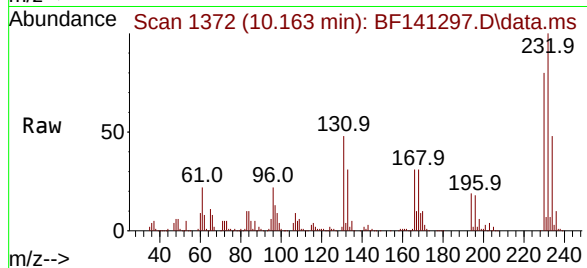




#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

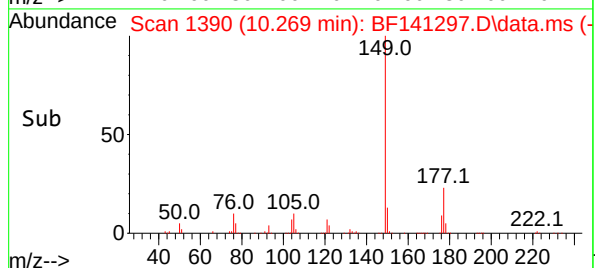
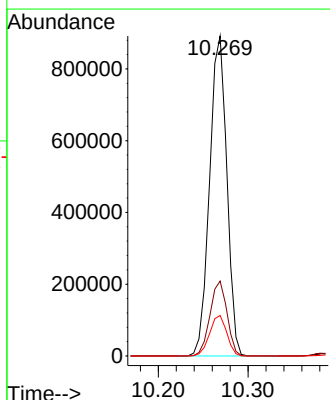
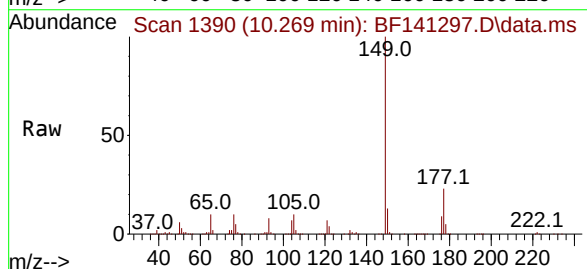
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

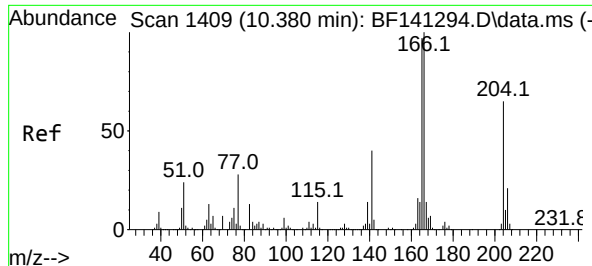
Tgt Ion:232 Resp: 302300
Ion Ratio Lower Upper
232 100
131 47.5 36.4 54.6
130 2.4 1.9 2.9
166 30.9 24.1 36.1



#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833
Ion Ratio Lower Upper
149 100
177 23.4 18.5 27.7
150 12.7 10.0 15.0

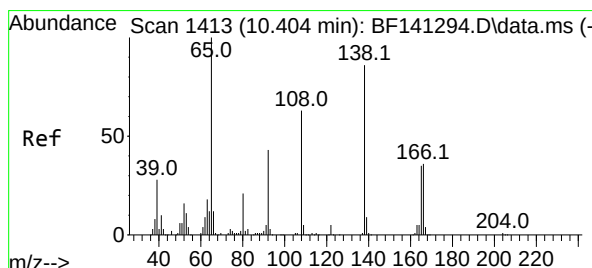
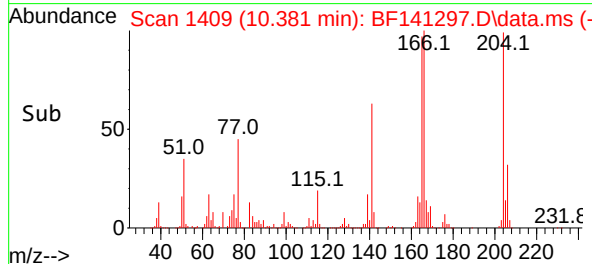
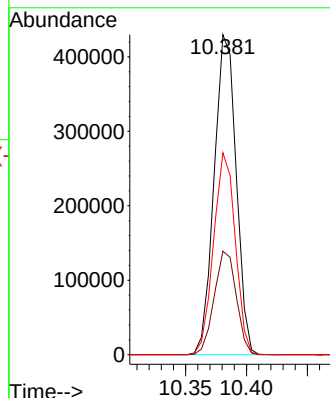
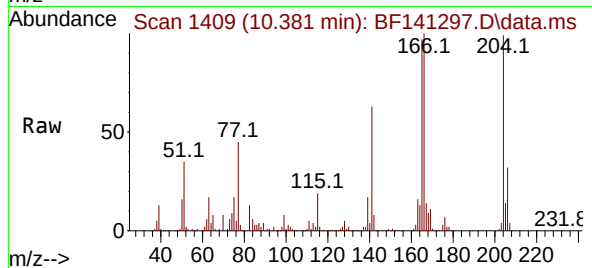




#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

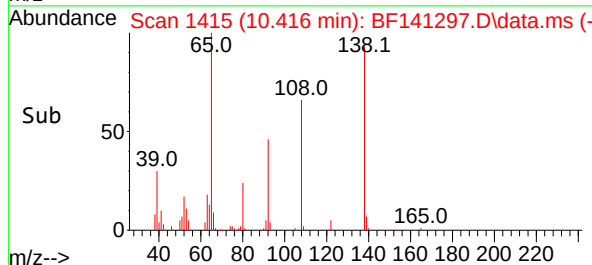
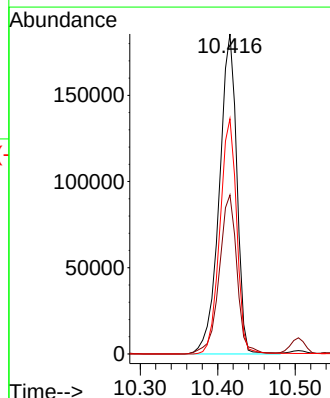
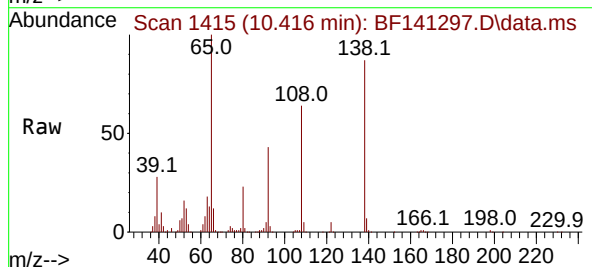
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

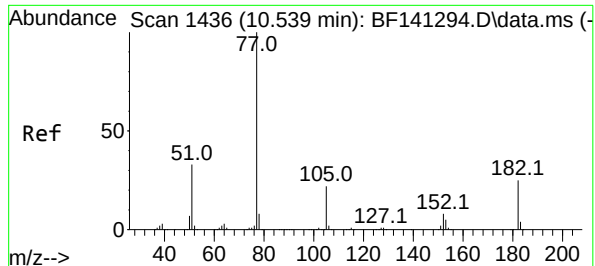
Tgt Ion:204 Resp: 541468
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.1 49.5 74.3



#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019
Ion Ratio Lower Upper
138 100
92 49.7 30.1 70.1
108 73.5 53.1 93.1

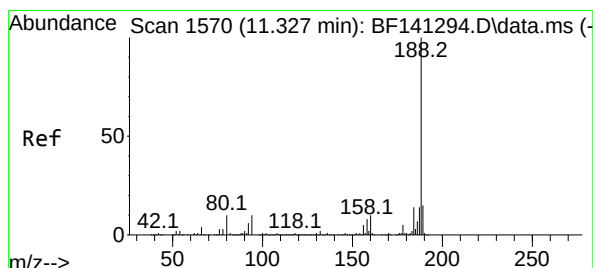
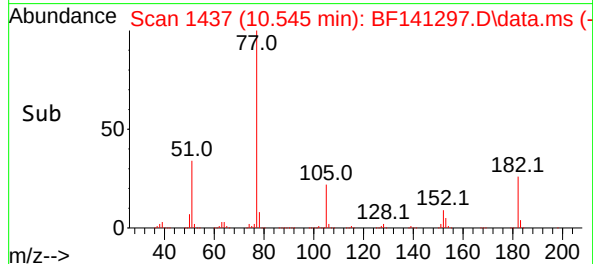
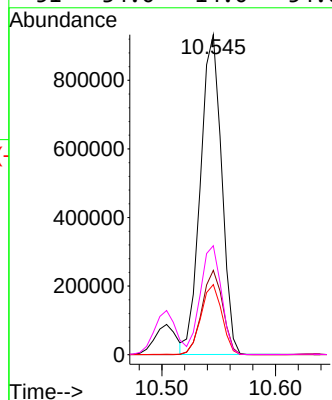
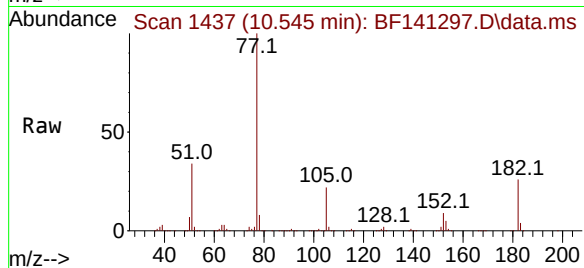




#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

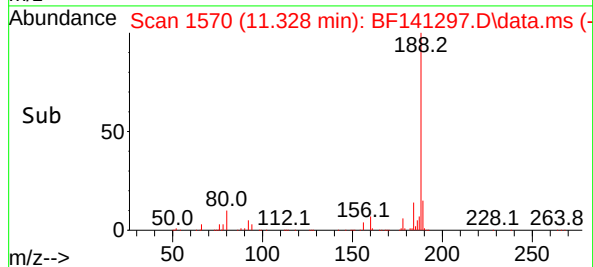
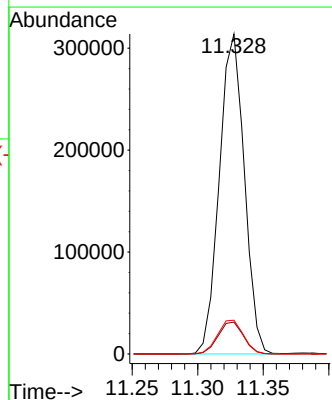
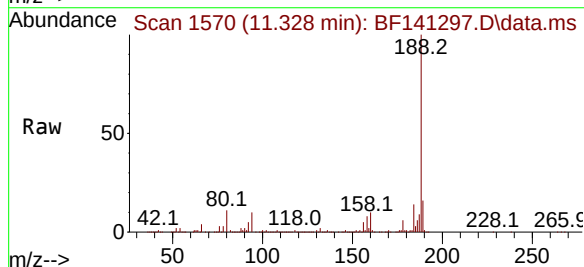
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

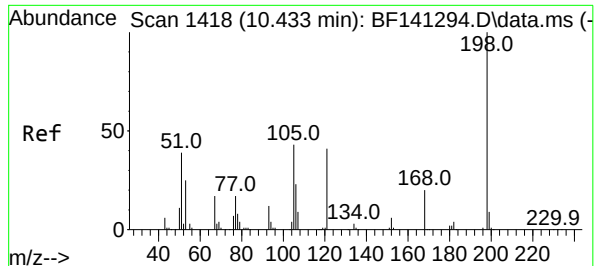
Tgt Ion: 77 Resp: 1206328
Ion Ratio Lower Upper
77 100
182 26.3 5.1 45.1
105 21.9 1.8 41.8
51 34.0 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 188 Resp: 415634
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.6 8.2 12.4

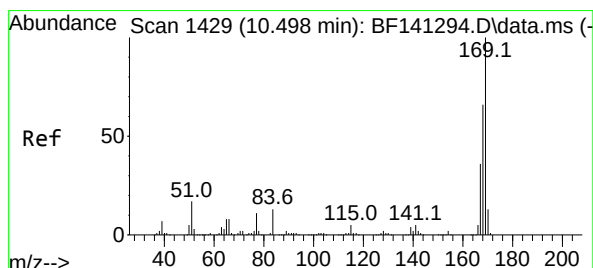
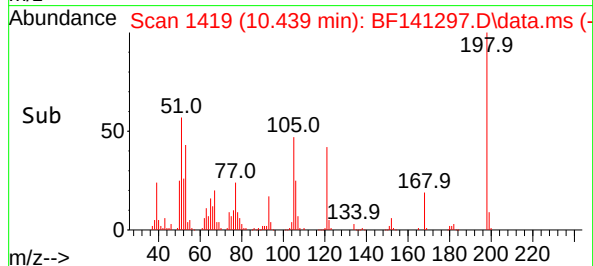
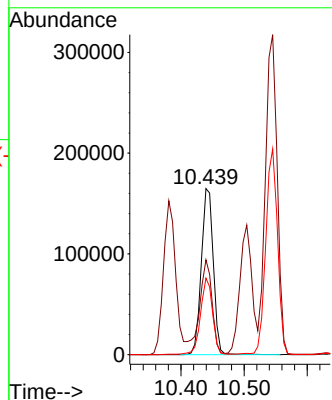
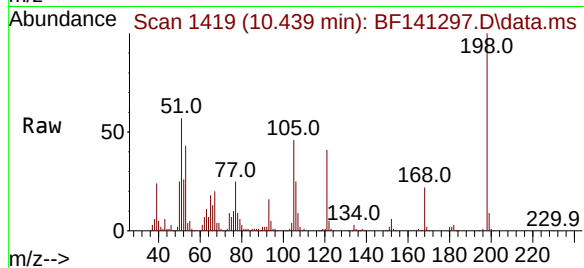




#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

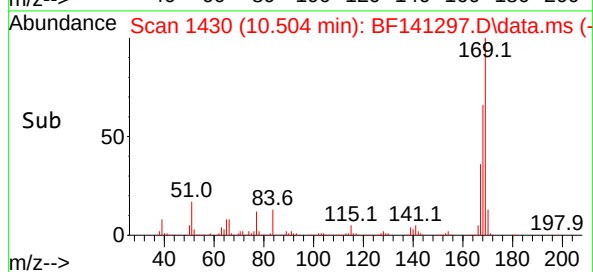
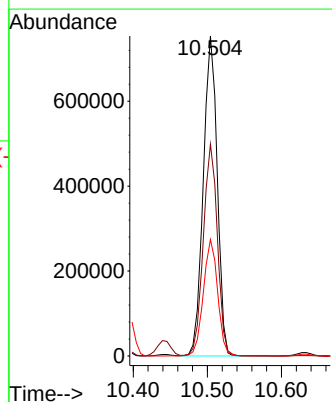
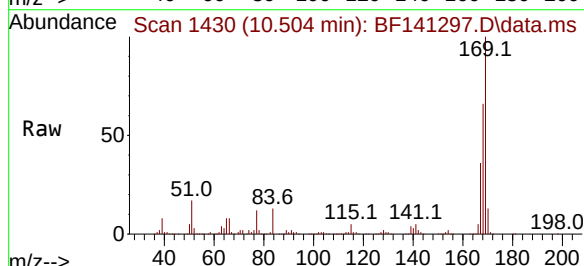
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

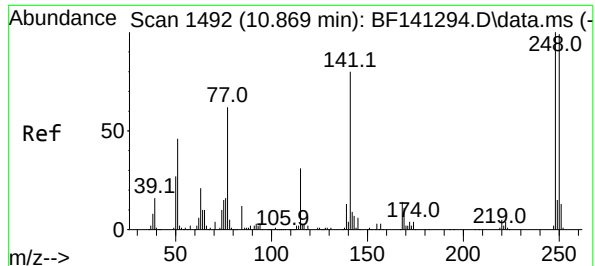
Tgt Ion:198 Resp: 217265
Ion Ratio Lower Upper
198 100
51 57.1 33.4 73.4
105 46.0 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.4 28.8 43.2





#67

4-Bromophenyl-phenylether

Concen: 74.136 ng

RT: 10.875 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

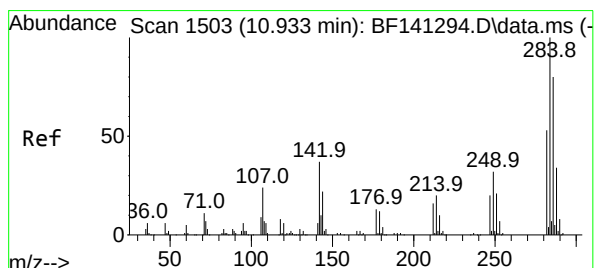
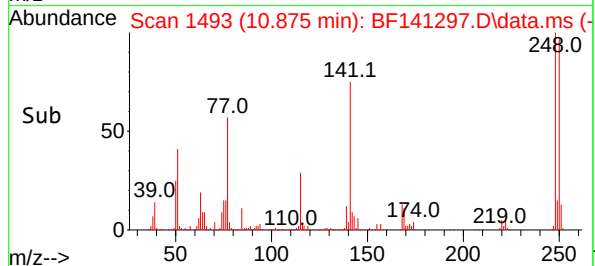
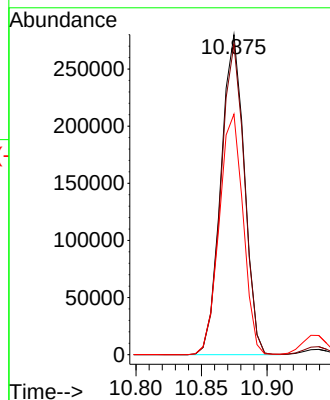
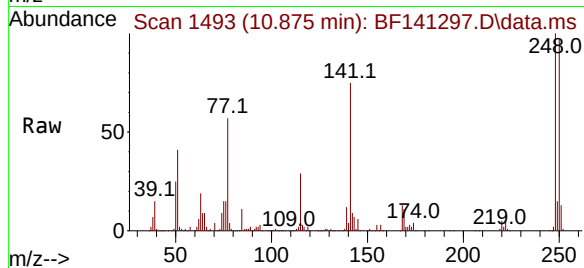
Tgt Ion:248 Resp: 348615

Ion Ratio Lower Upper

248 100

250 97.0 79.0 118.4

141 75.1 63.7 95.5



#68

Hexachlorobenzene

Concen: 72.215 ng

RT: 10.939 min Scan# 1504

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

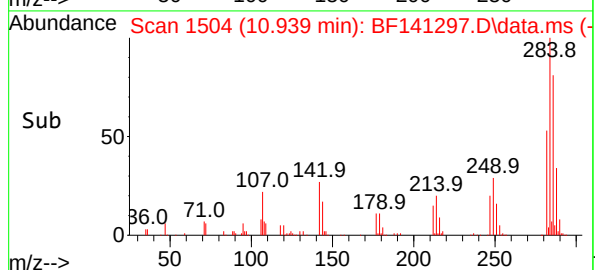
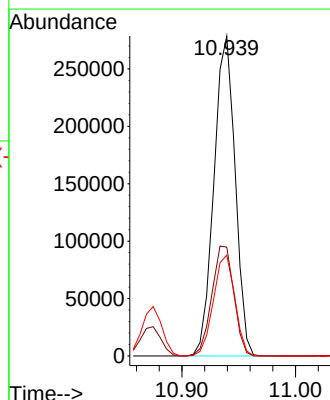
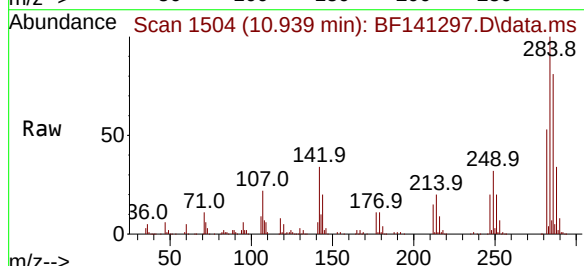
Tgt Ion:284 Resp: 361469

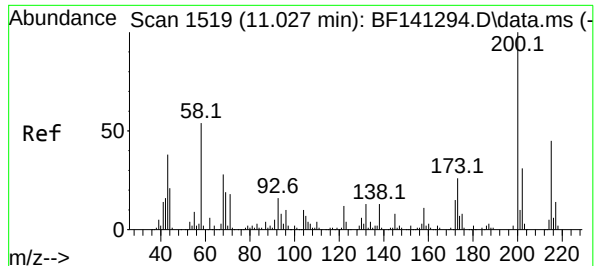
Ion Ratio Lower Upper

284 100

142 34.0 29.5 44.3

249 31.5 25.4 38.2





#69

Atrazine

Concen: 83.452 ng

RT: 11.033 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

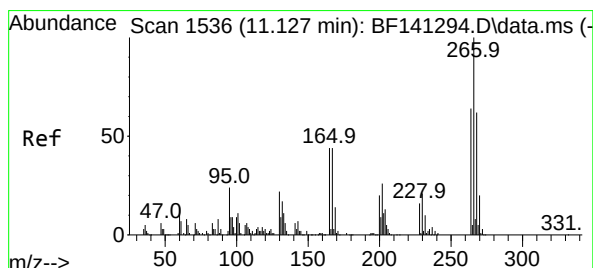
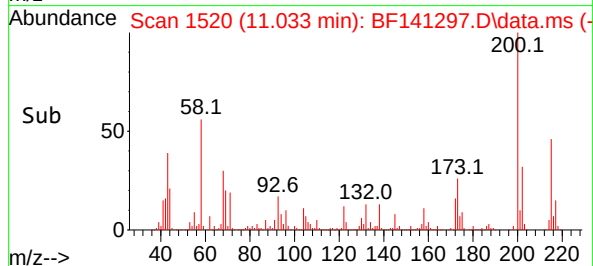
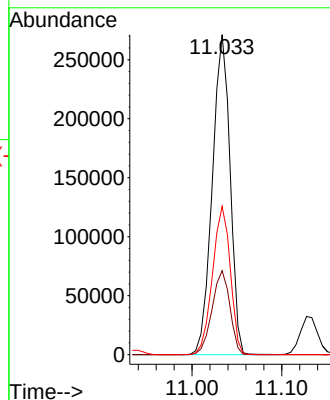
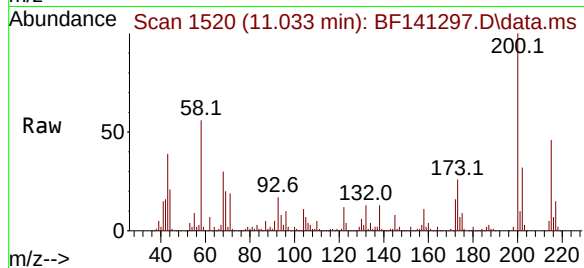
Tgt Ion:200 Resp: 372792

Ion Ratio Lower Upper

200 100

173 26.2 5.9 45.9

215 46.4 25.2 65.2



#70

Pentachlorophenol

Concen: 81.539 ng

RT: 11.133 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

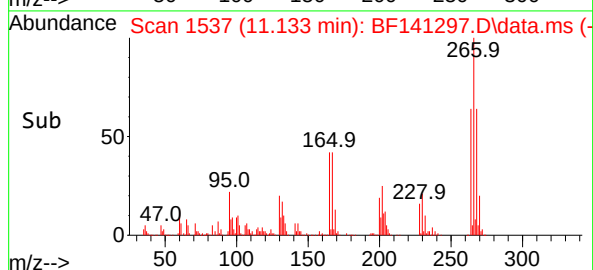
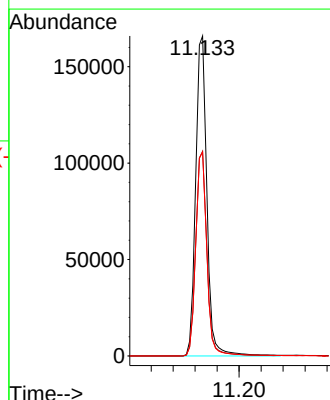
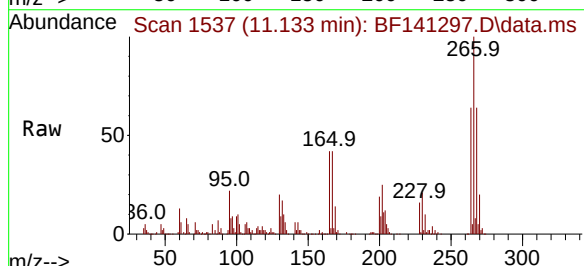
Tgt Ion:266 Resp: 235030

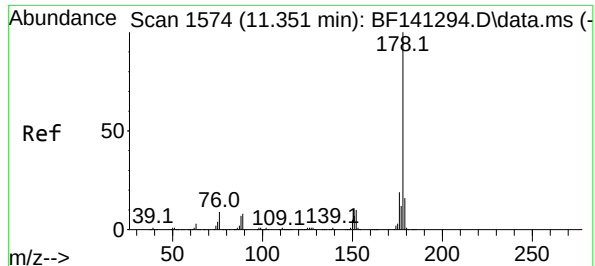
Ion Ratio Lower Upper

266 100

268 64.0 49.9 74.9

264 63.7 51.0 76.4

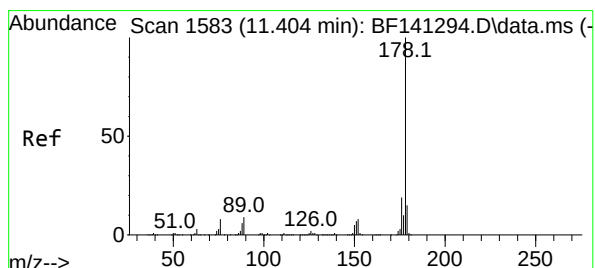
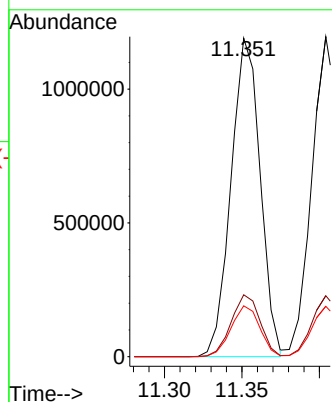
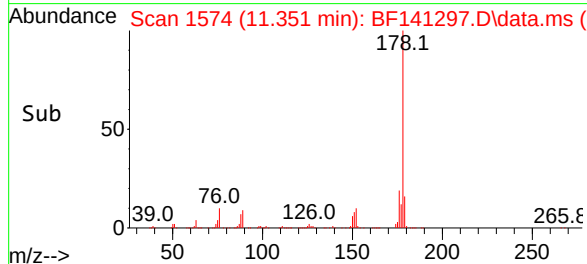
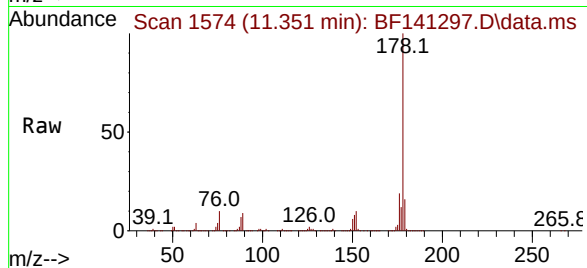




#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

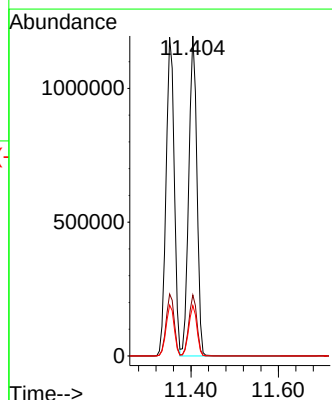
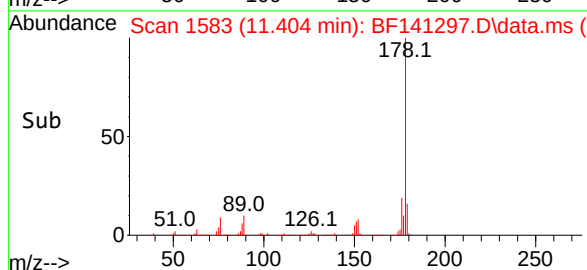
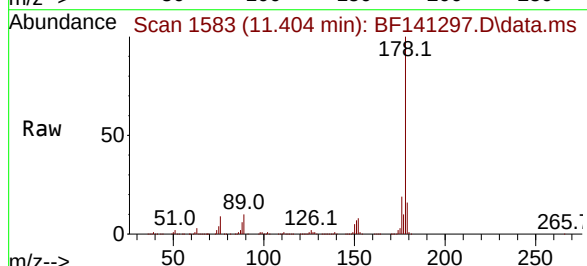
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

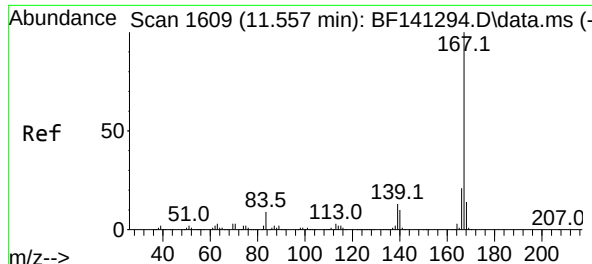
Tgt Ion:178 Resp: 1557660
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.8 12.3 18.5

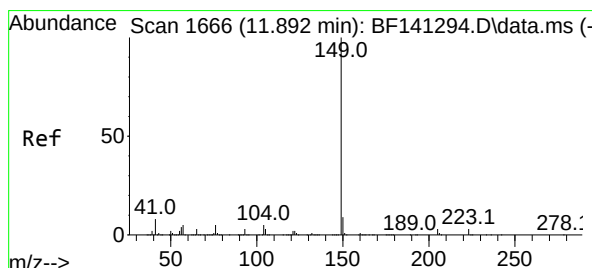
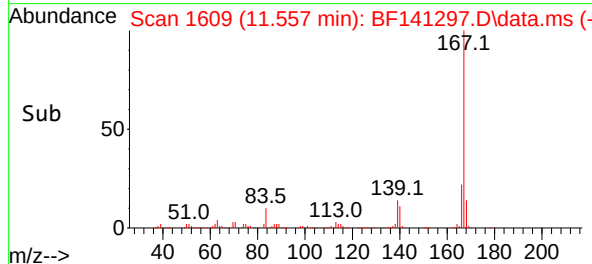
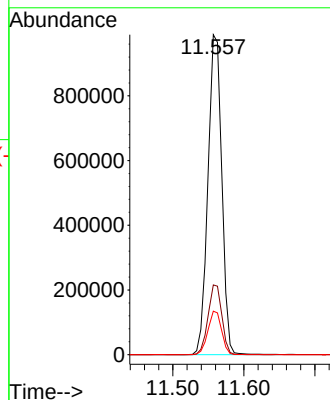
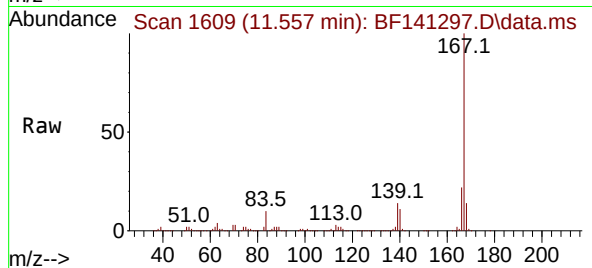




#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

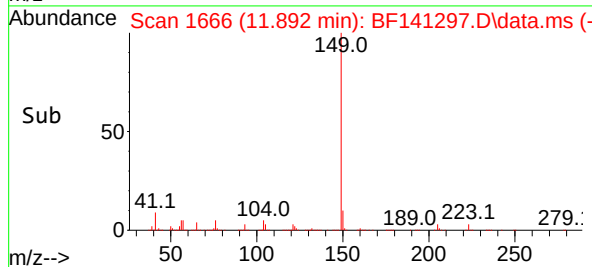
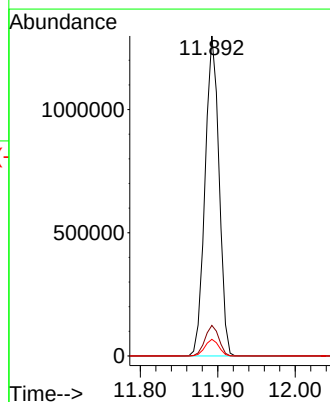
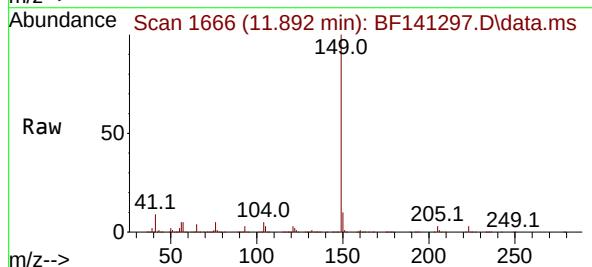
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

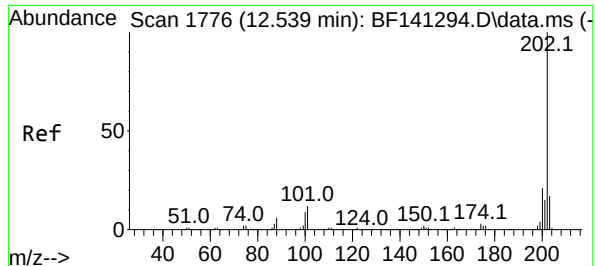
Tgt Ion:167 Resp: 1342447
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.2
104 5.2 3.9 5.9

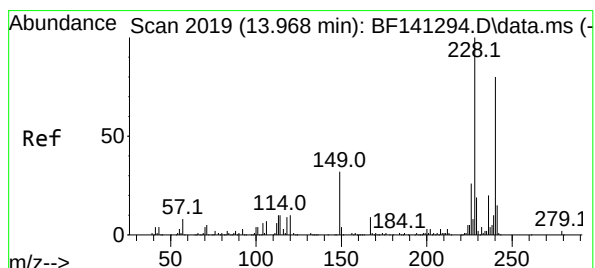
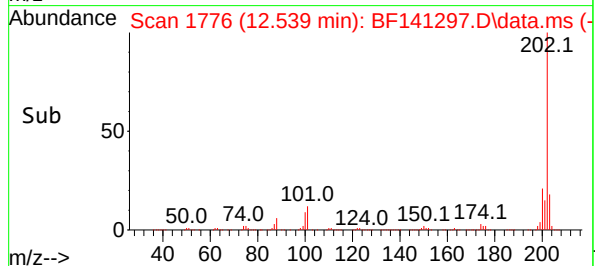
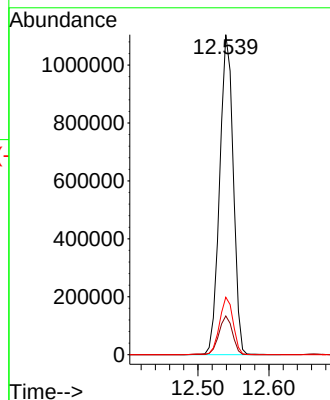
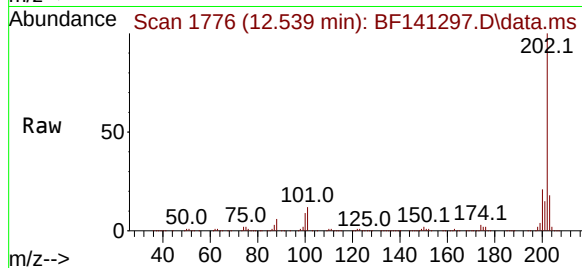




#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

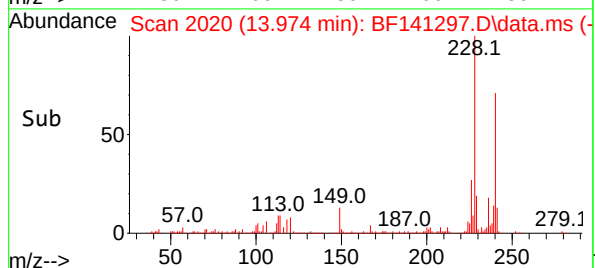
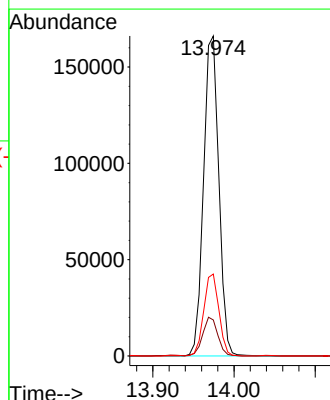
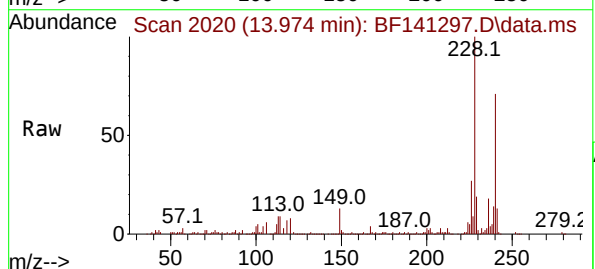
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

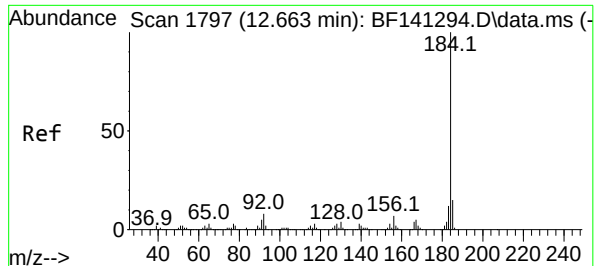
Tgt Ion:202 Resp: 1463196
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.6 19.7 29.5

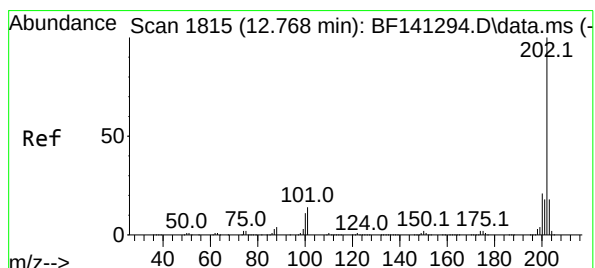
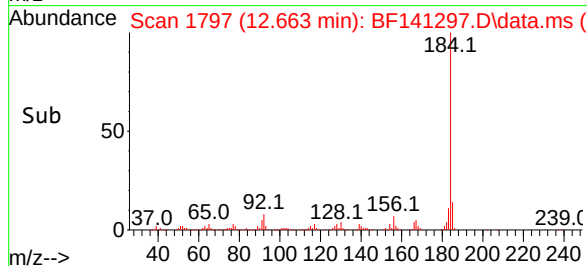
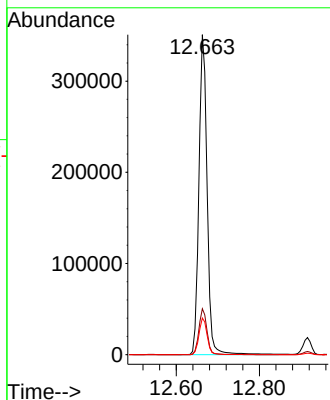
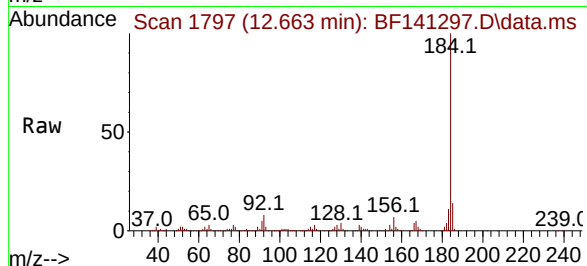




#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

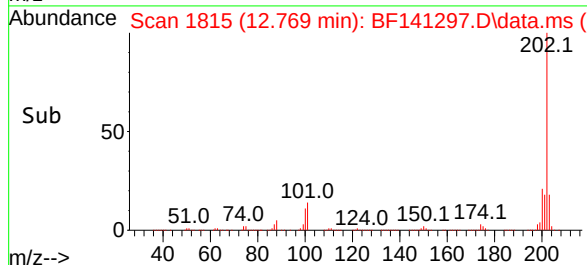
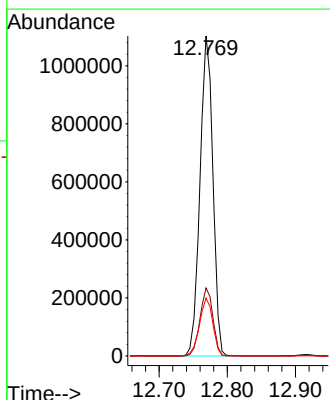
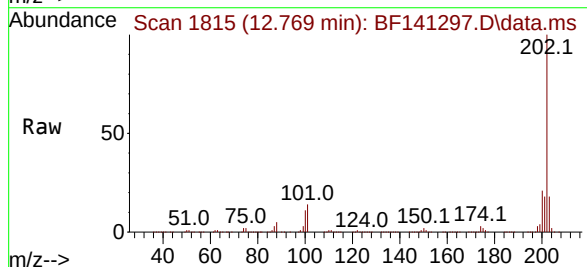
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

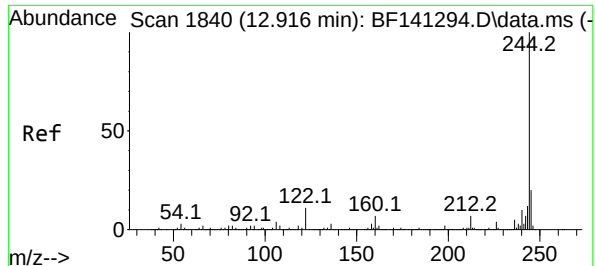
Tgt Ion:184 Resp: 481470
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.5 14.3



#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

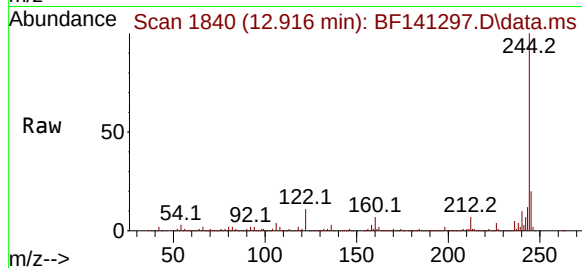
Tgt Ion:202 Resp: 1450076
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.0 14.3 21.5



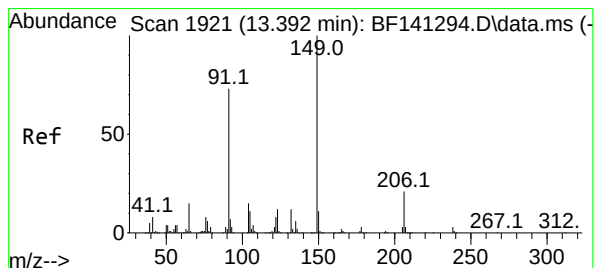
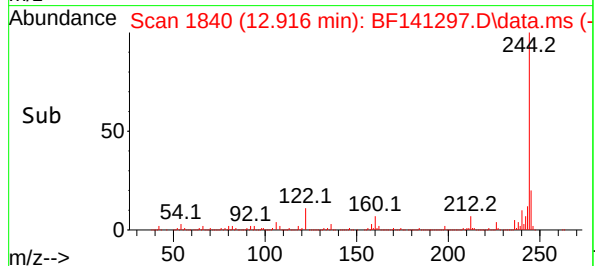
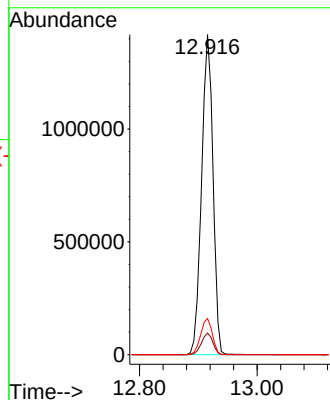


#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

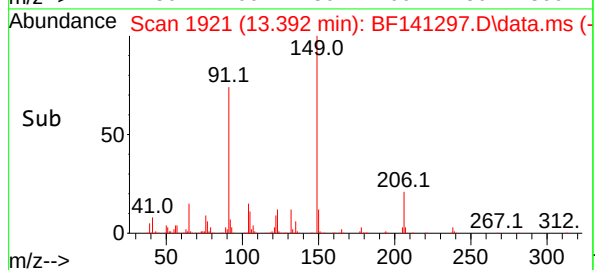
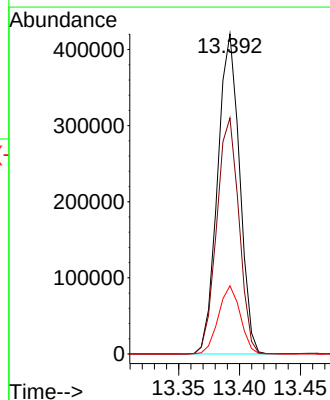
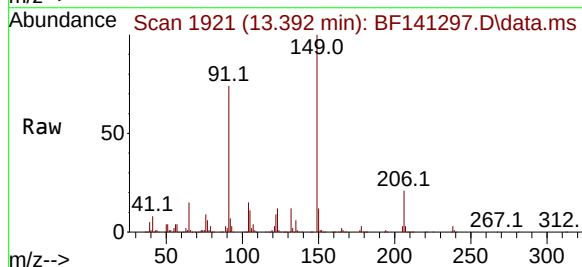


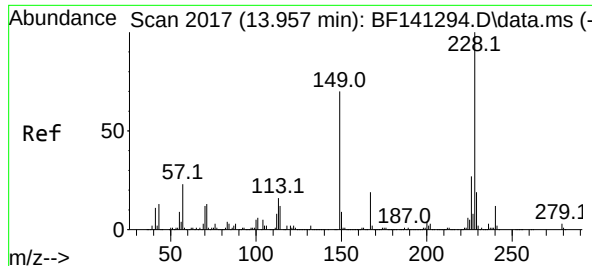
Tgt Ion:244 Resp: 1910783
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.3 8.8 13.2



#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754
Ion Ratio Lower Upper
149 100
91 73.8 58.6 87.8
206 21.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 72.323 ng

RT: 13.963 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

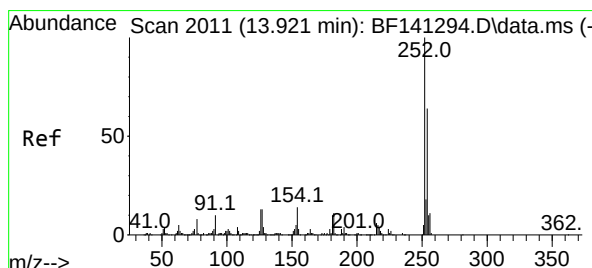
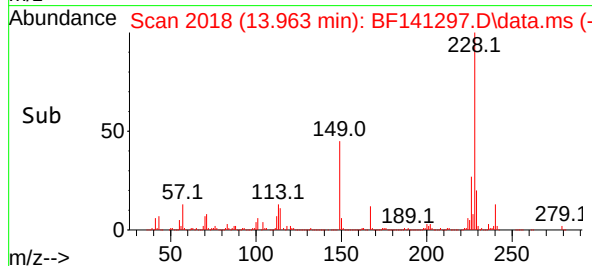
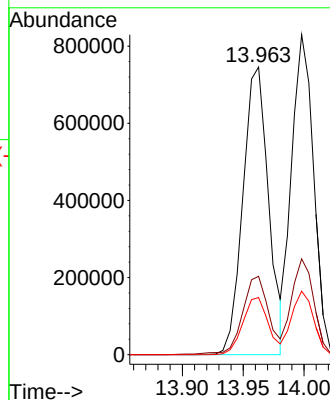
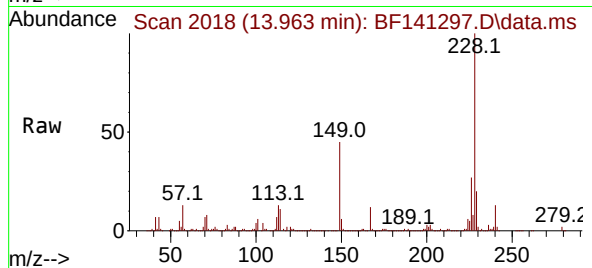
Tgt Ion:228 Resp: 1095972

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 19.8 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 82.157 ng

RT: 13.927 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

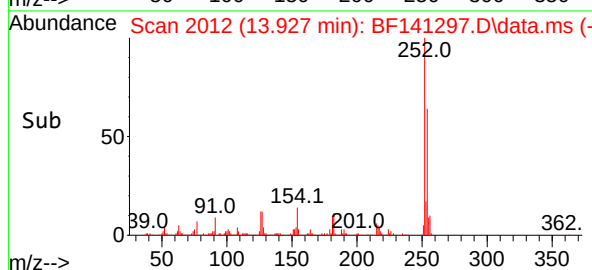
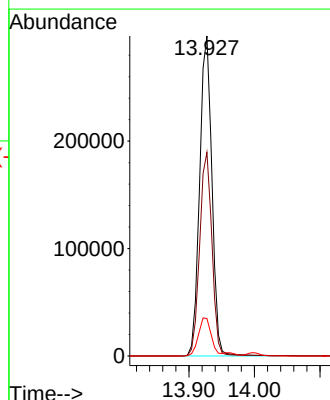
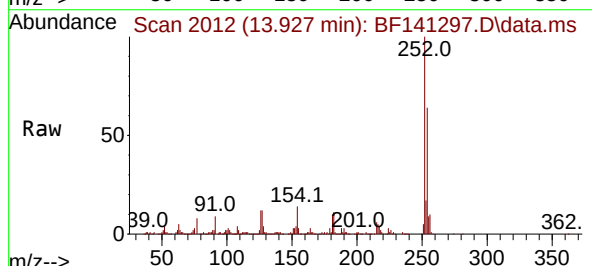
Tgt Ion:252 Resp: 389044

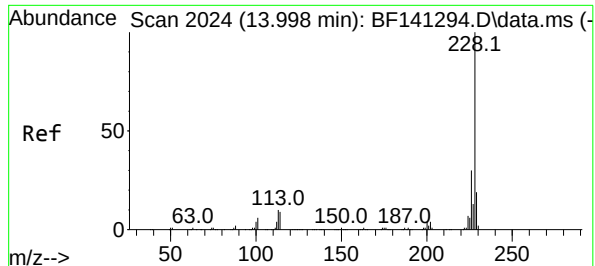
Ion Ratio Lower Upper

252 100

254 63.6 51.3 76.9

126 11.7 10.0 15.0

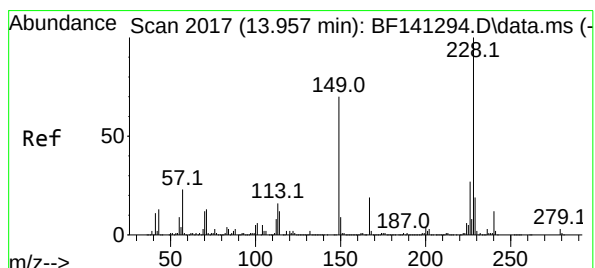
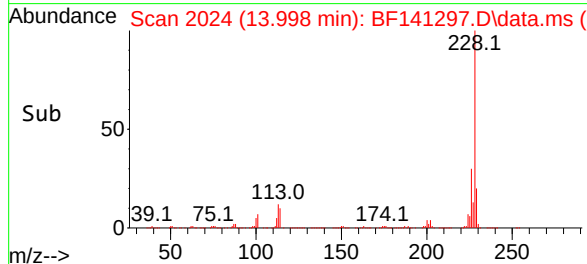
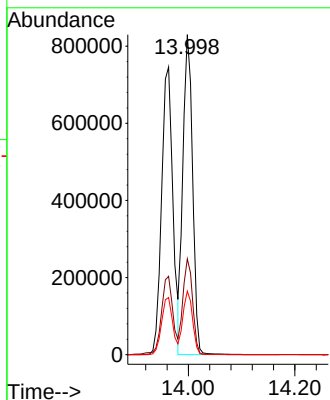
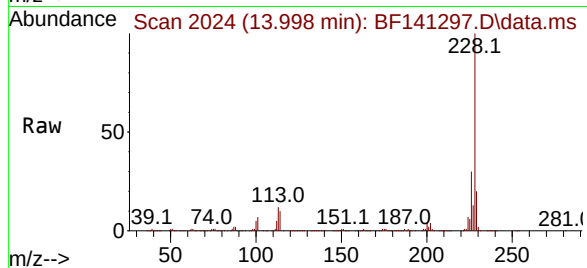




#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

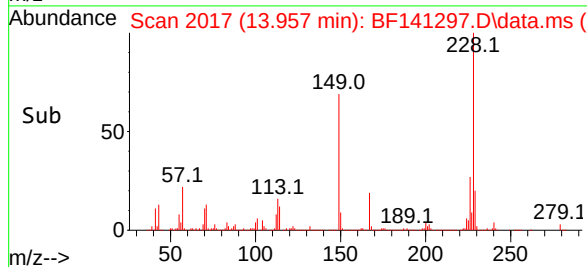
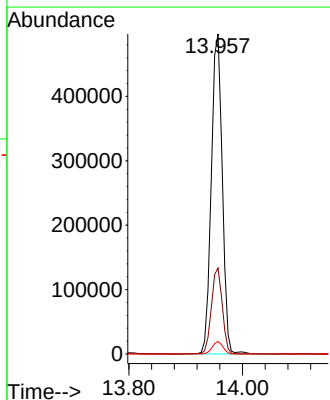
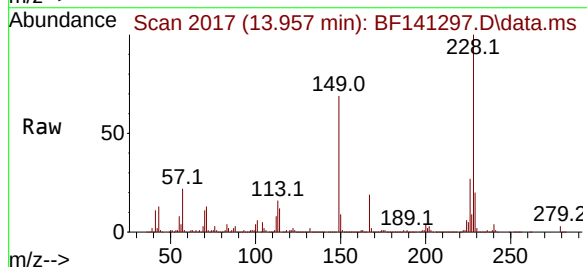
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

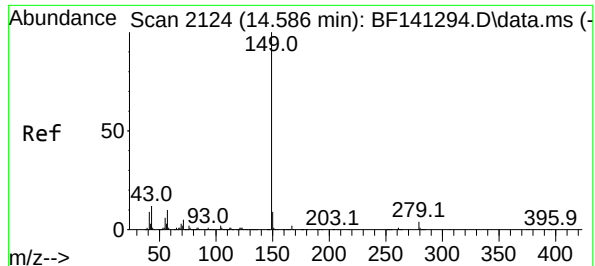
Tgt Ion:228 Resp: 1048083
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.9 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.9 3.3 4.9

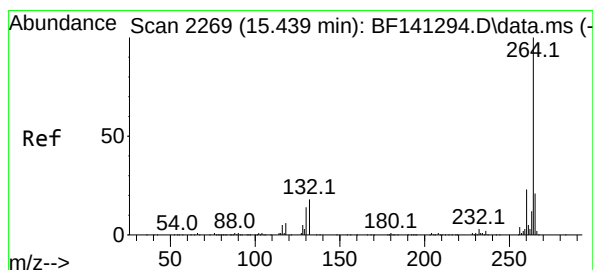
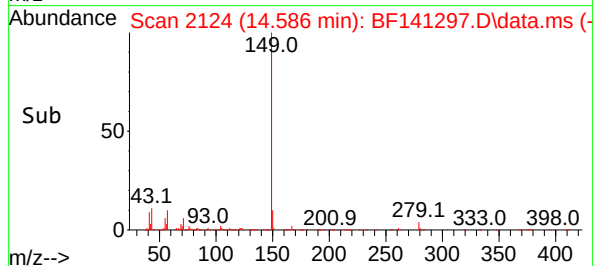
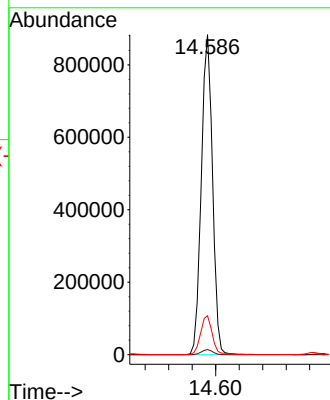
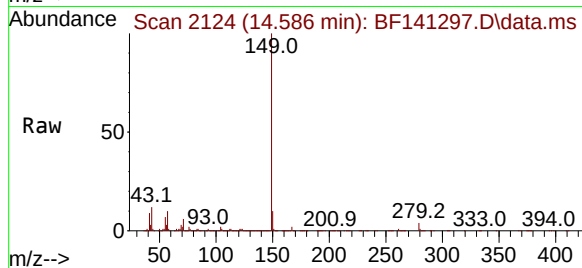




#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

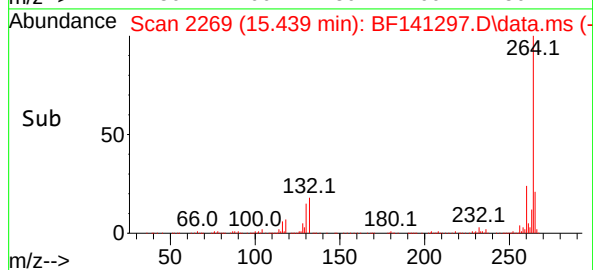
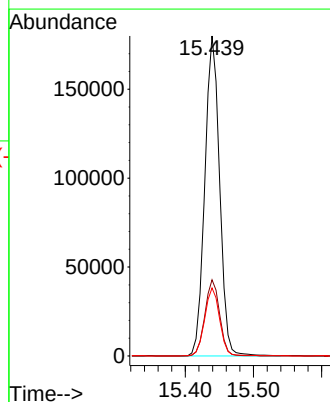
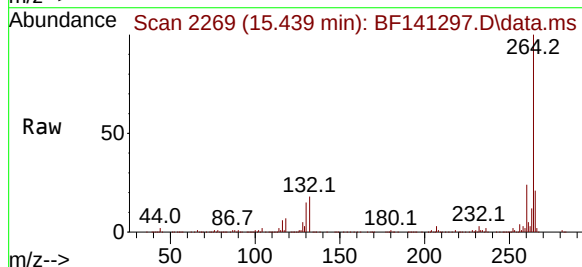
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

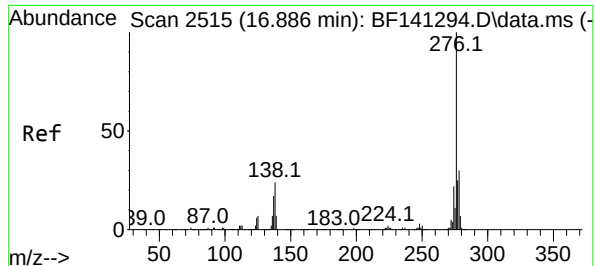
Tgt Ion:149 Resp: 1171131
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 79.715 ng

RT: 16.898 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

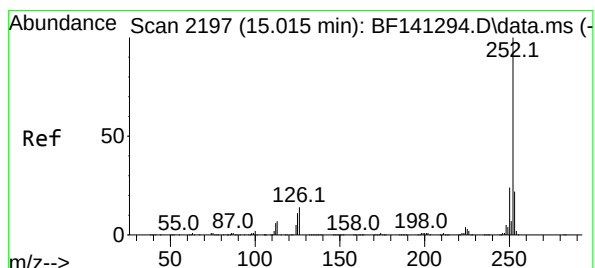
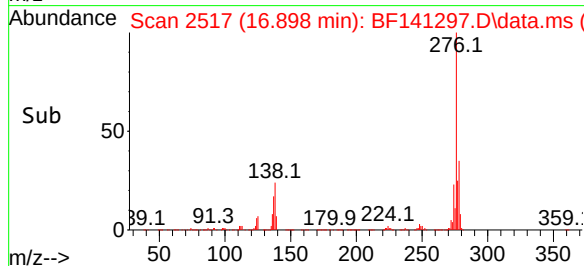
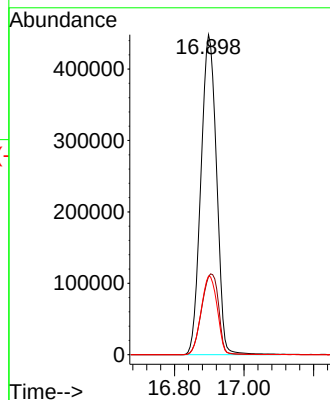
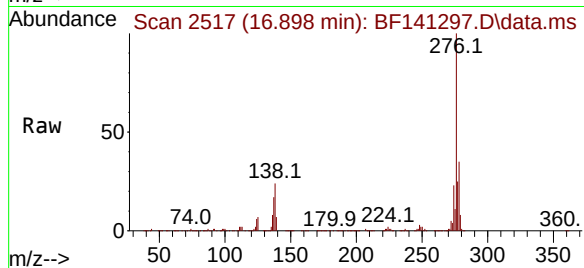
Tgt Ion:276 Resp: 1399119

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 71.102 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

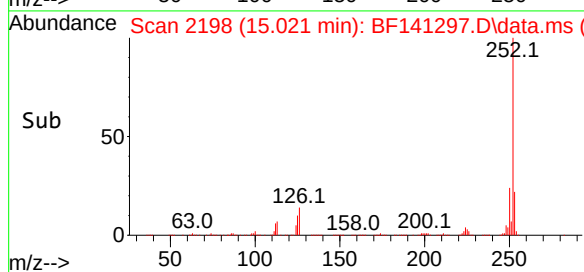
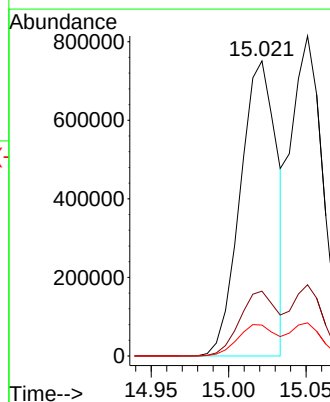
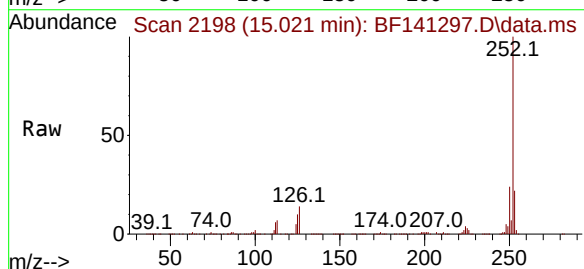
Tgt Ion:252 Resp: 1235245

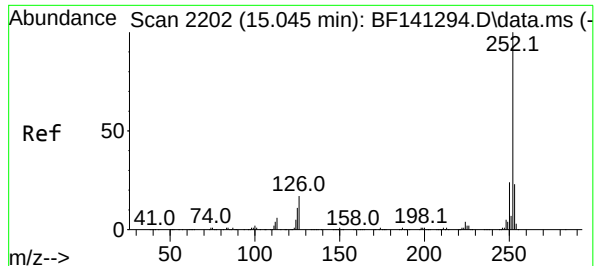
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 75.010 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

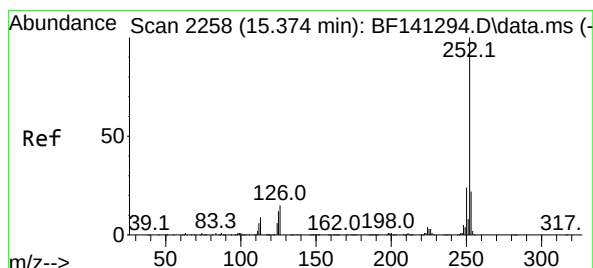
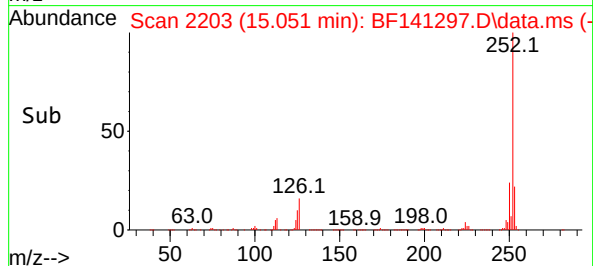
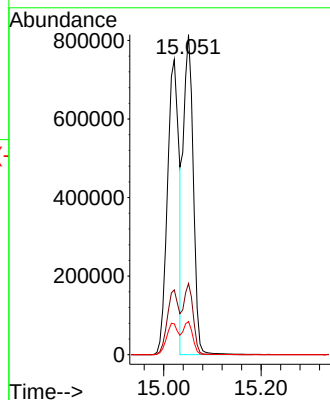
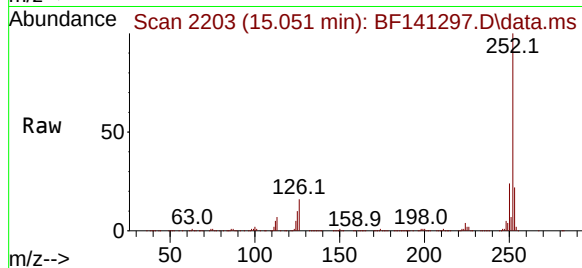
Tgt Ion:252 Resp: 1146296

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.4 8.4 12.6



#90

Benzo(a)pyrene

Concen: 75.410 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

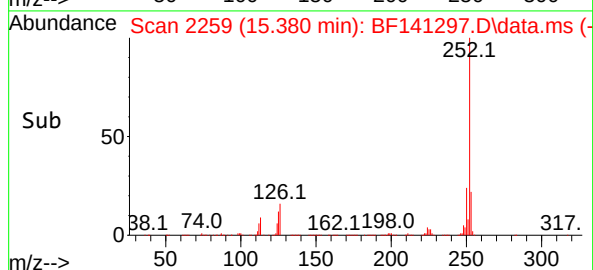
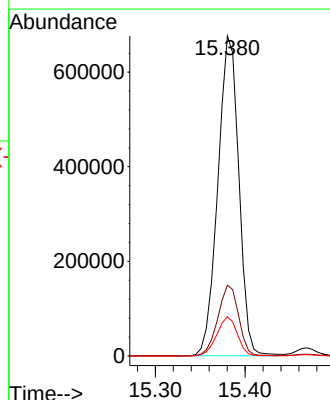
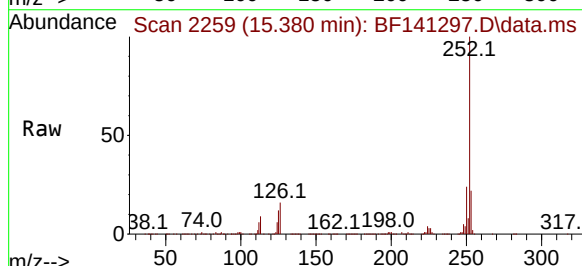
Tgt Ion:252 Resp: 1098491

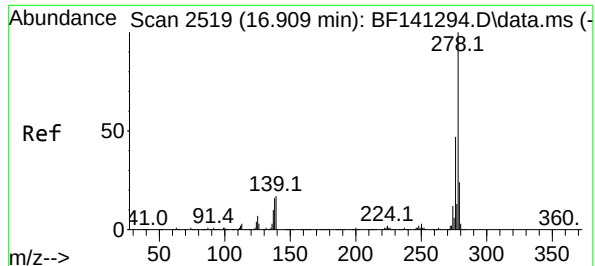
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.3 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 79.035 ng

RT: 16.921 min Scan# 2519

Delta R.T. -0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

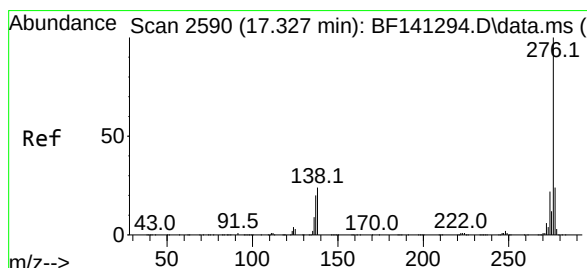
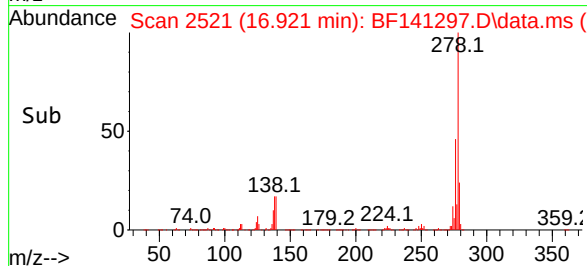
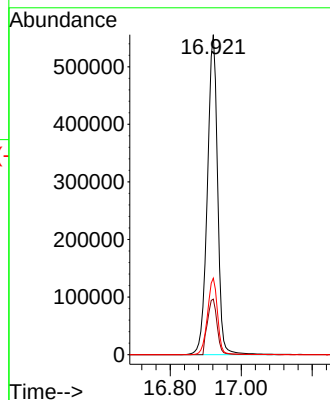
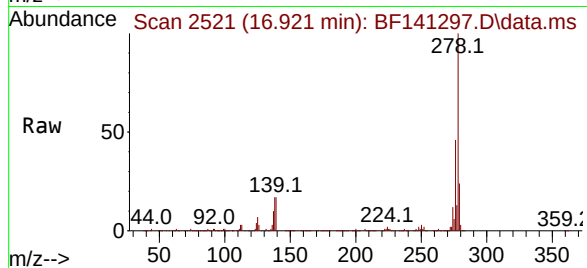
Tgt Ion:278 Resp: 1117397

Ion Ratio Lower Upper

278 100

139 17.3 13.9 20.9

279 23.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 78.512 ng

RT: 17.345 min Scan# 2593

Delta R.T. -0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

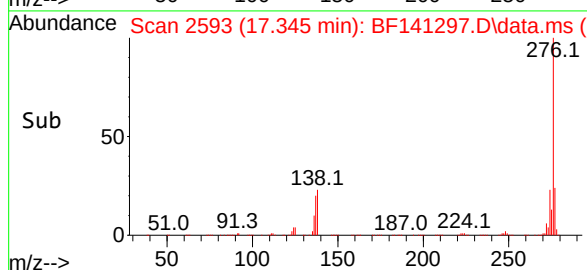
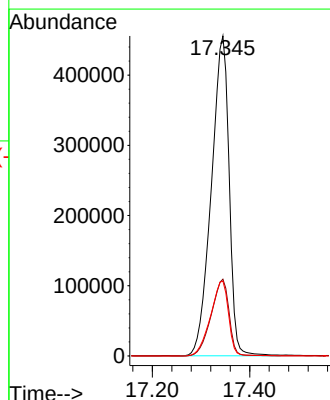
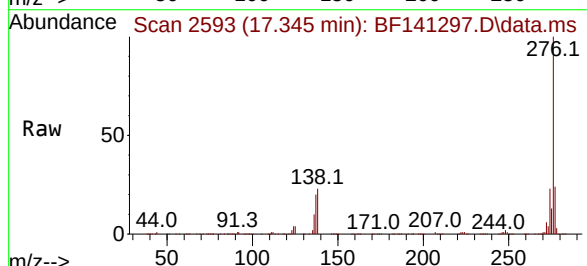
Tgt Ion:276 Resp: 1155250

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng	100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng	100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng	100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng	98
49) Acenaphthylene	9.698	152	890709	37.416	ng	100
50) Dimethylphthalate	9.563	163	697300	36.904	ng	100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng	99
52) Acenaphthene	9.869	154	632756	37.206	ng	99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng	98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng #	85
55) Dibenzofuran	10.045	168	842555	37.012	ng	100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng	99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng	99
58) Fluorene	10.386	166	643639	36.451	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng	99
60) Diethylphthalate	10.263	149	683674	37.316	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng	99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng	99
63) Azobenzene	10.539	77	678905	37.020	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng	99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng	98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng	99
69) Atrazine	11.028	200	190958	39.215	ng	99
70) Pentachlorophenol	11.128	266	128300	40.973	ng	99
71) Phenanthrene	11.351	178	922625	38.117	ng	100
72) Anthracene	11.398	178	912703	38.484	ng	100
73) Carbazole	11.557	167	813036	38.661	ng	100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng	100
75) Fluoranthene	12.539	202	902637	37.768	ng	100
77) Benzidine	12.663	184	405163	49.142	ng	99
78) Pyrene	12.769	202	894269	36.225	ng	99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng	99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng	99
83) Chrysene	13.992	228	610038	37.508	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng	100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng	99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng	100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng	99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng	99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng	99

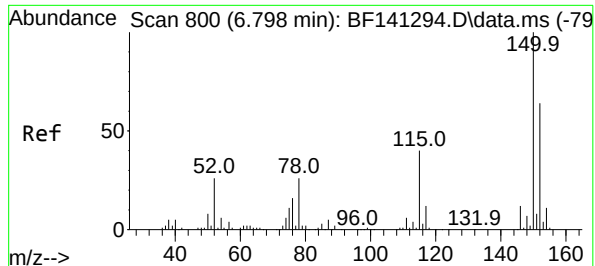
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Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations

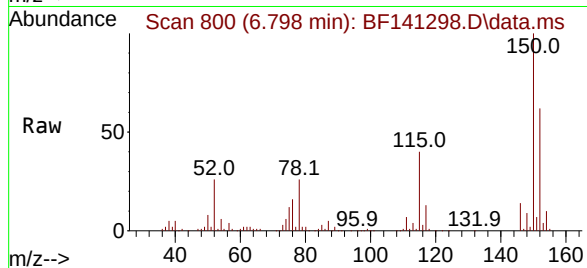
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

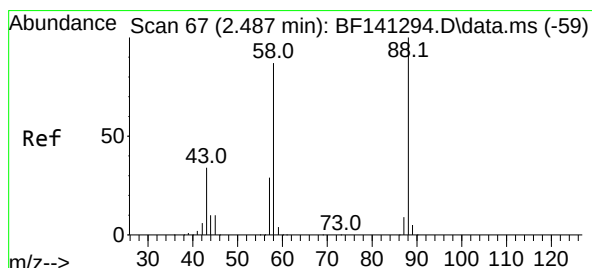
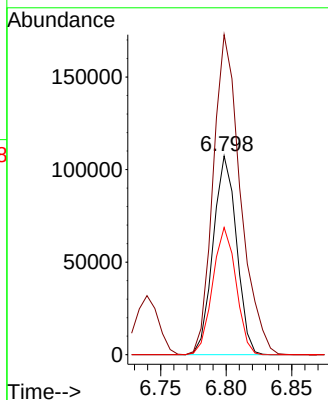
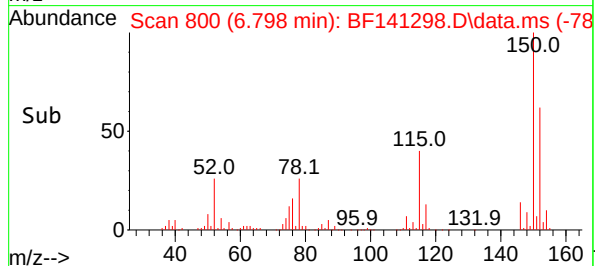
Instrument :
BNA_F
Client Sample Id :
ICVBF012925



Tgt Ion: 152 Resp: 133318
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 64.0 49.7 74.5

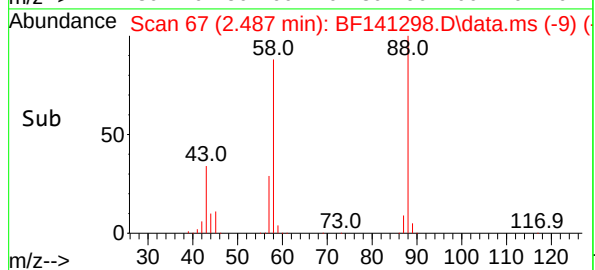
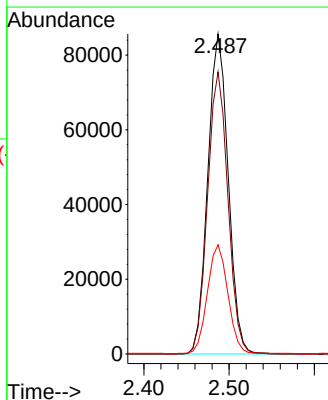
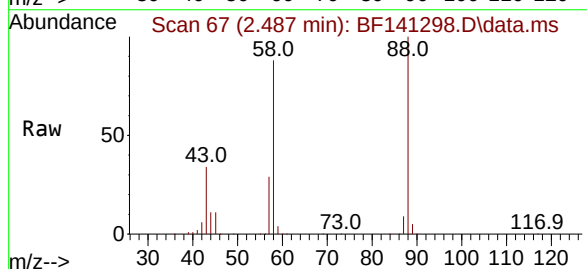
Manual Integrations
APPROVED

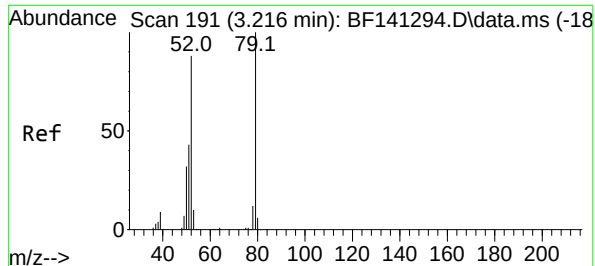
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

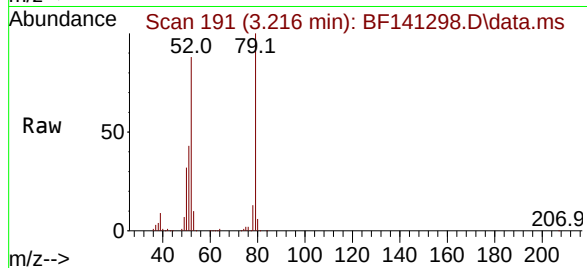
Tgt Ion: 88 Resp: 142440
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.7 27.6 41.4





#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

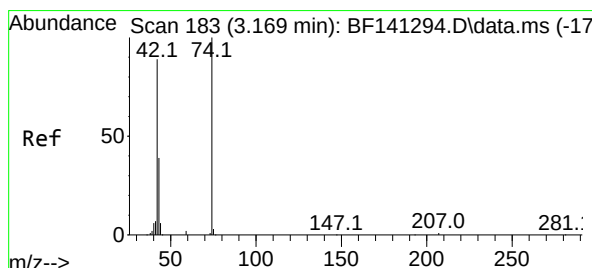
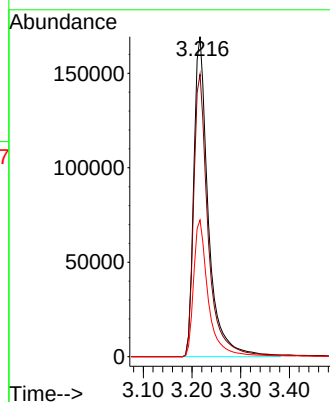
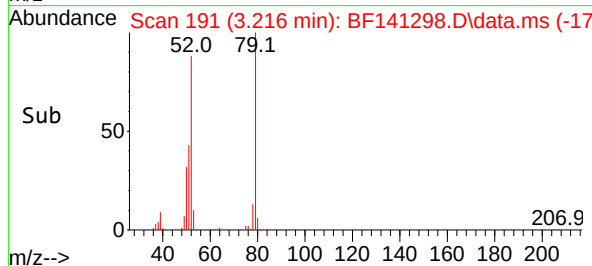
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 79 Resp: 353478
Ion Ratio Lower Upper
79 100
52 88.3 70.3 105.5
51 42.7 34.3 51.5

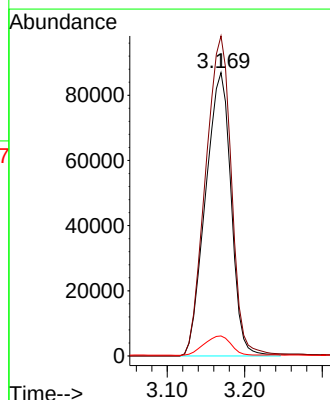
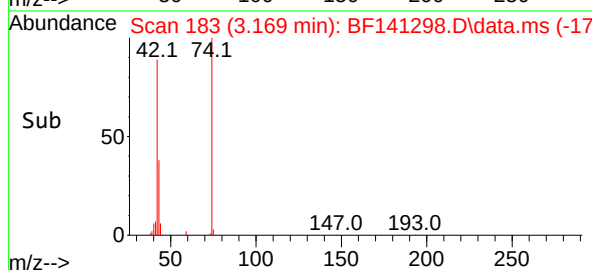
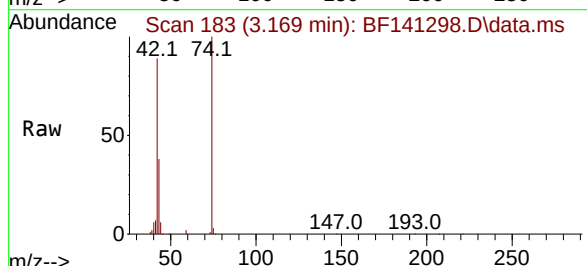
Manual Integrations
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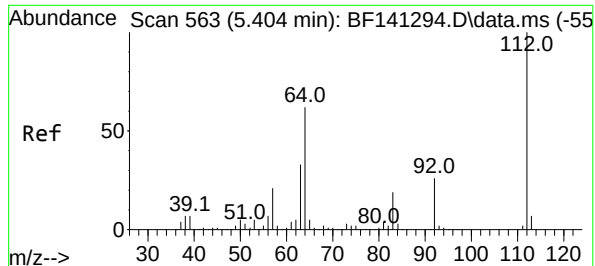
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 42 Resp: 199637
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 7.1 5.7 8.5





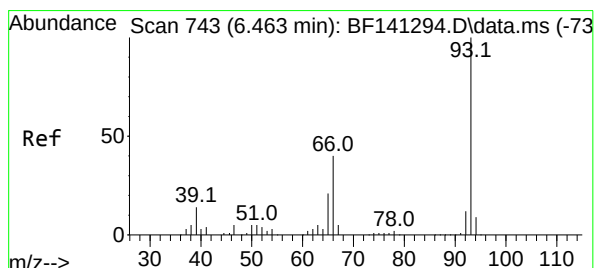
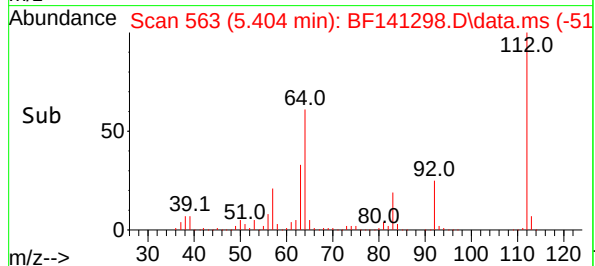
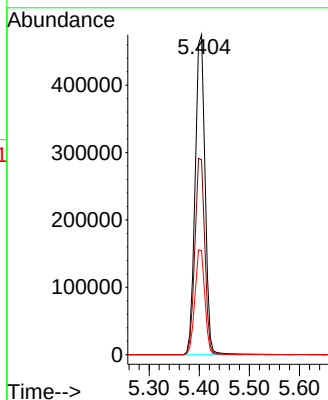
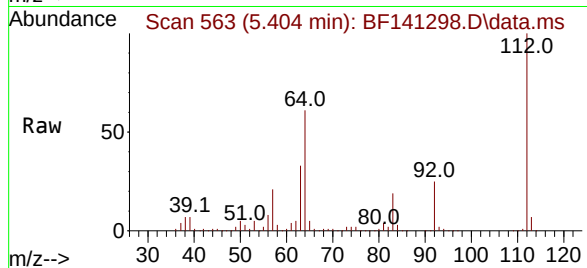
#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:112 Resp: 65098
Ion Ratio Lower Upper
112 100
64 60.9 49.8 74.8
63 32.6 26.1 39.1

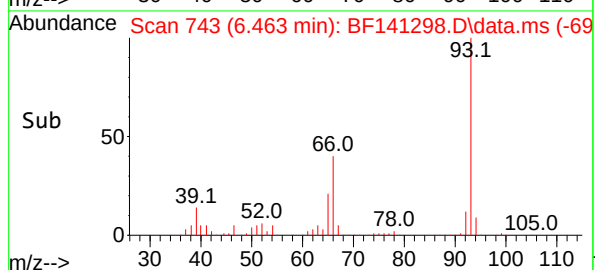
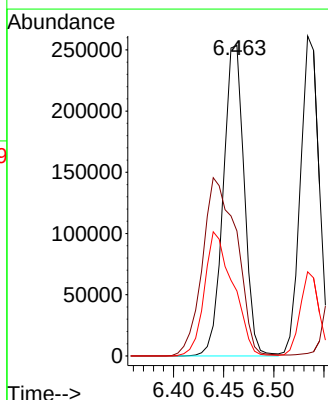
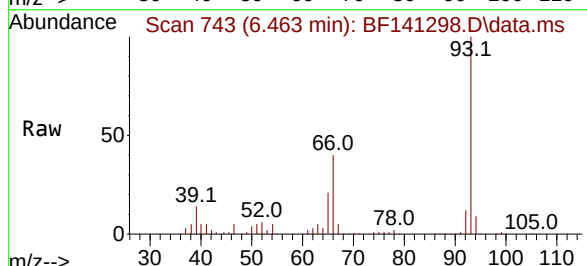
Manual Integrations
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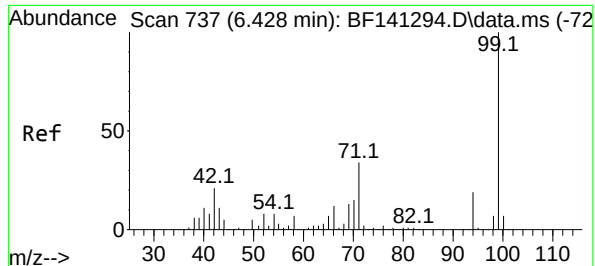
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

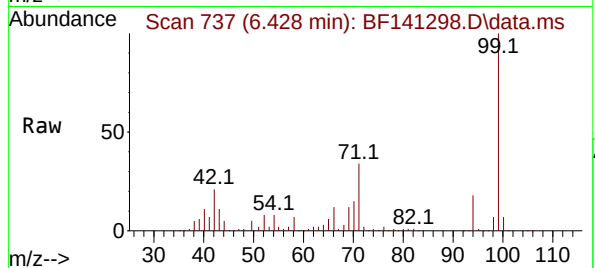
Tgt Ion: 93 Resp: 368792
Ion Ratio Lower Upper
93 100
66 40.3 32.5 48.7
65 20.9 17.0 25.6





#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

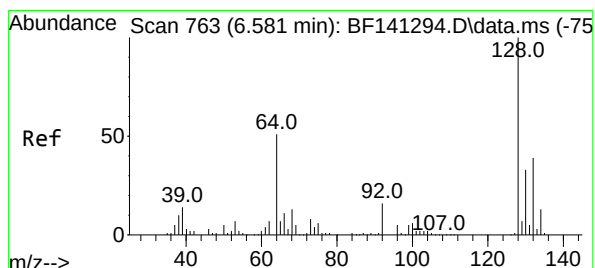
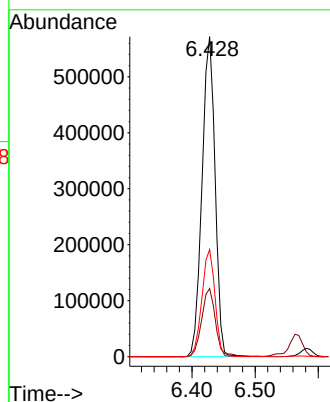
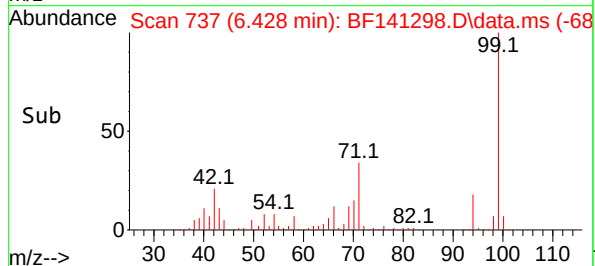
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 99 Resp: 824574
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 33.5 26.9 40.3

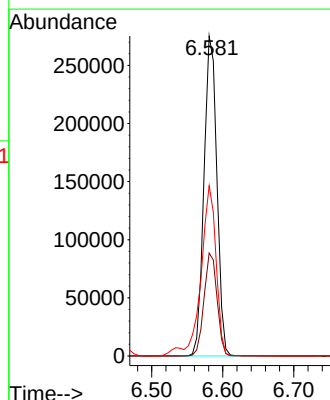
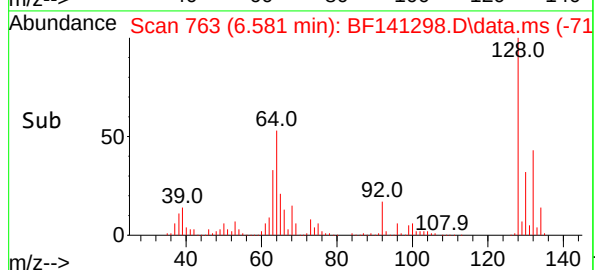
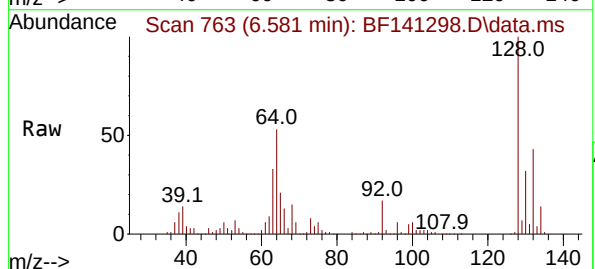
Manual Integrations
APPROVED

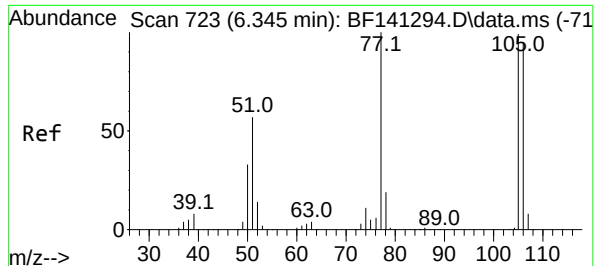
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 53.2 32.9 72.9





#9

Benzaldehyde

Concen: 36.965 ng

RT: 6.346 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 77 Resp: 23653

Ion Ratio Lower Upper

77 100

105 99.5 79.4 119.4

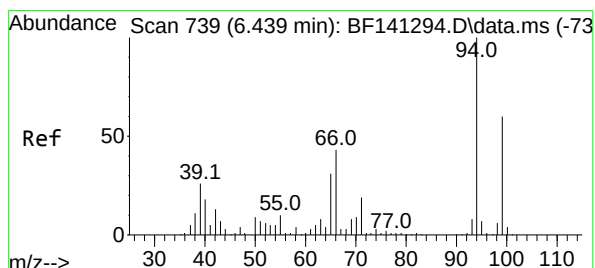
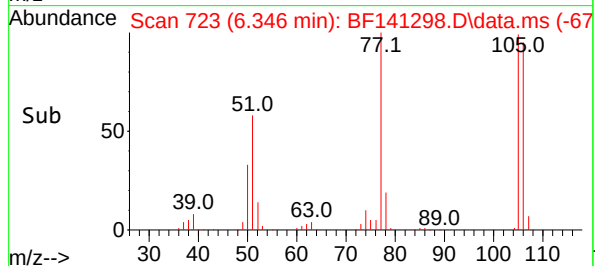
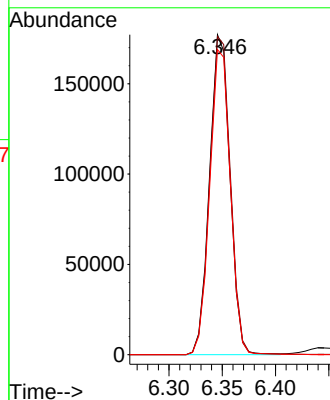
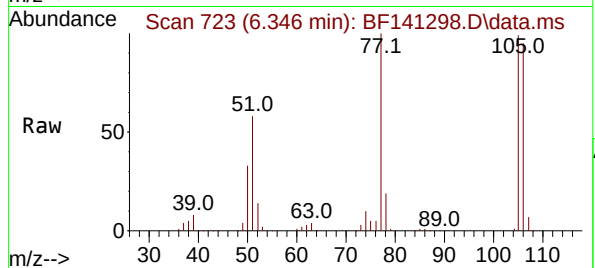
106 95.3 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 37.888 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

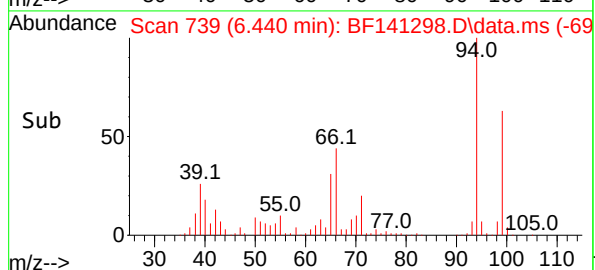
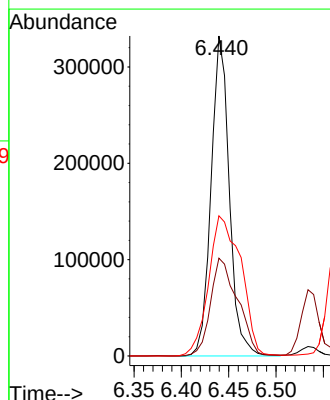
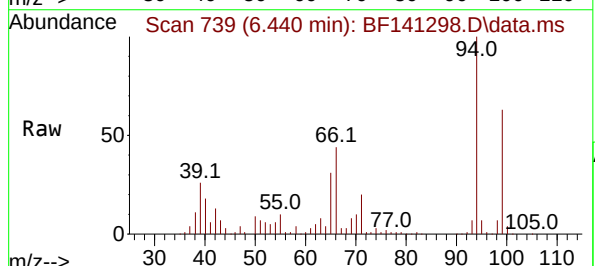
Tgt Ion: 94 Resp: 443695

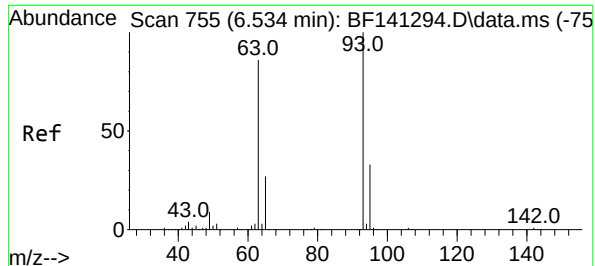
Ion Ratio Lower Upper

94 100

65 30.5 10.8 50.8

66 43.8 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 37.387 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 93 Resp: 33570

Ion Ratio Lower Upper

93 100

63 84.6 65.0 105.0

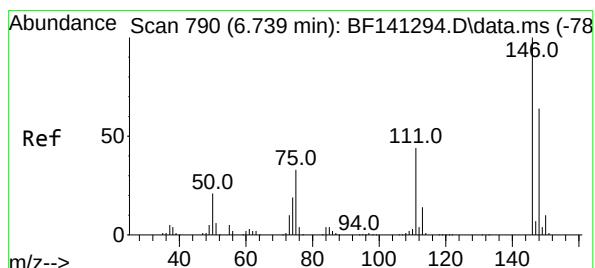
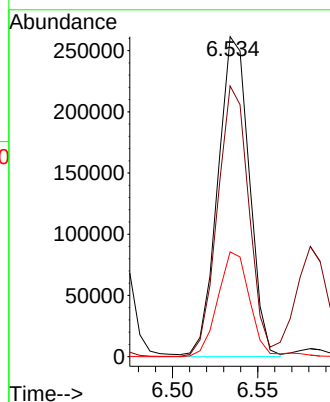
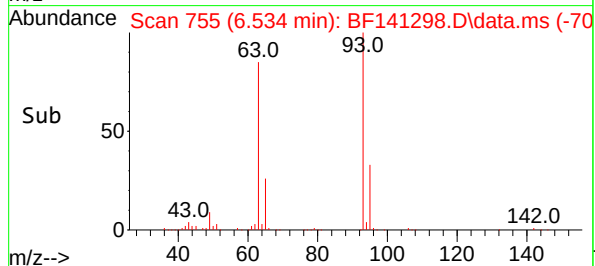
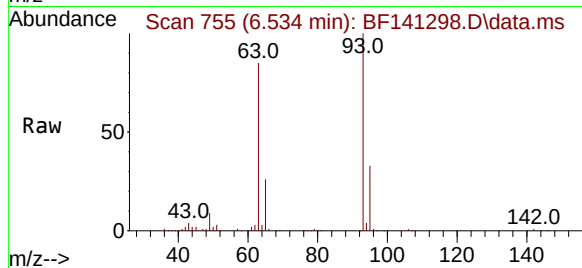
95 32.8 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#12

1,3-Dichlorobenzene

Concen: 37.288 ng

RT: 6.740 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

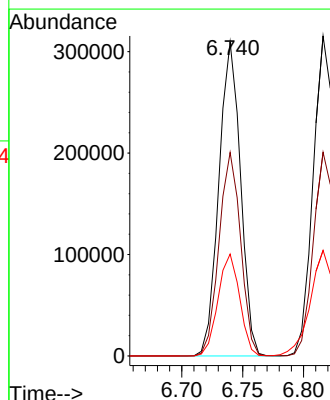
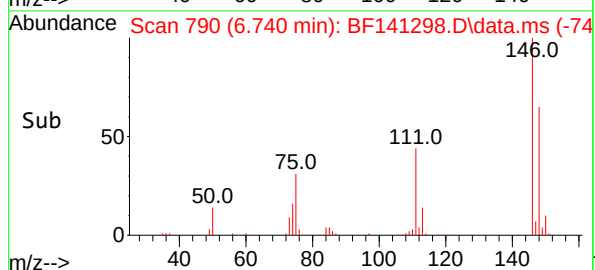
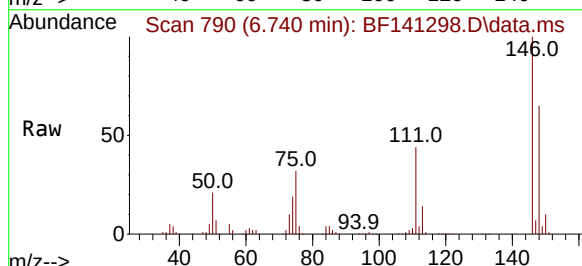
Tgt Ion:146 Resp: 382682

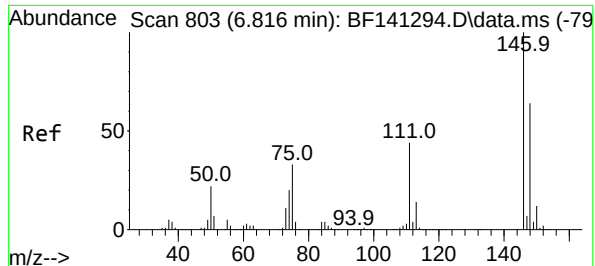
Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

75 32.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.885 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:146 Resp: 39059

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

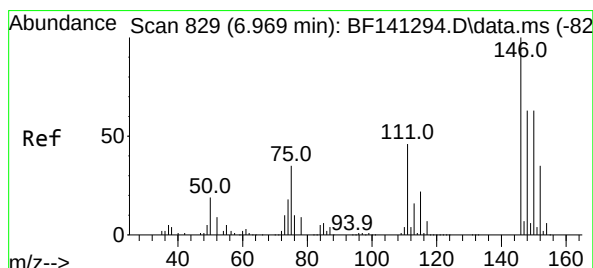
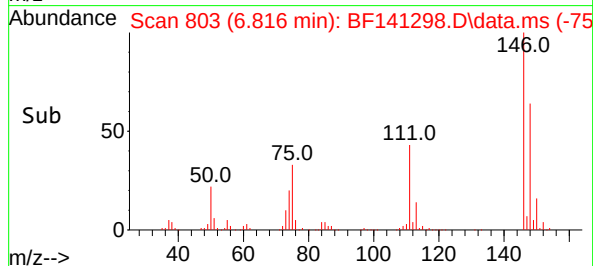
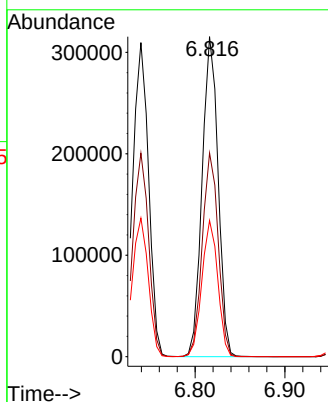
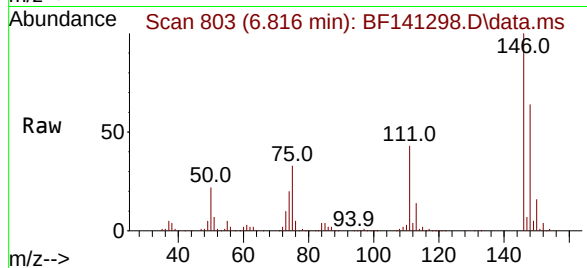
111 42.5 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 37.241 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

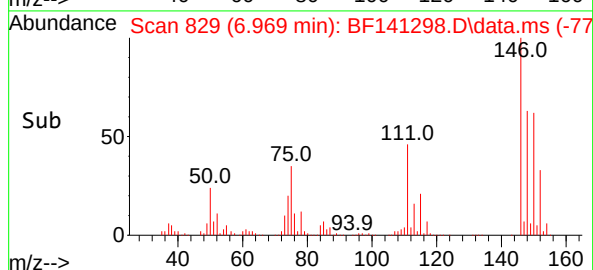
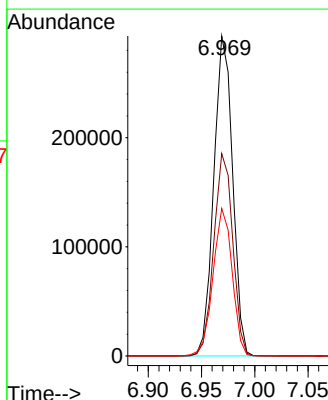
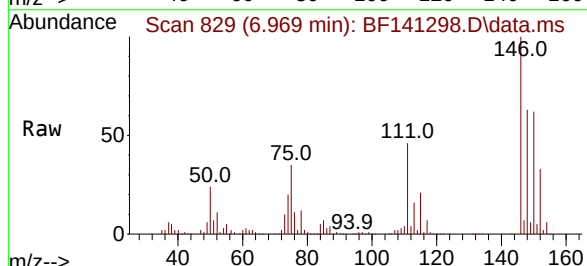
Tgt Ion:146 Resp: 359529

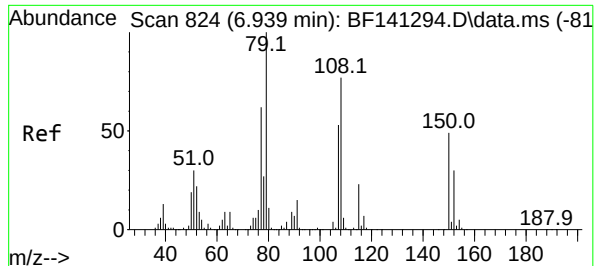
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

111 46.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 37.952 ng

RT: 6.940 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 79 Resp: 286519

Ion Ratio Lower Upper

79 100

108 76.8 61.4 92.0

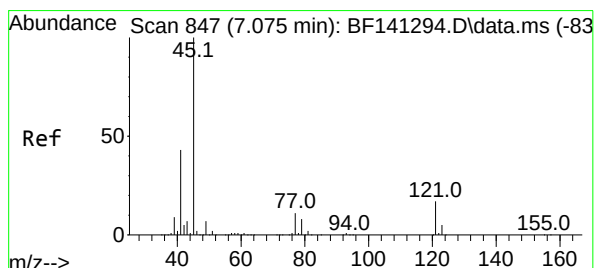
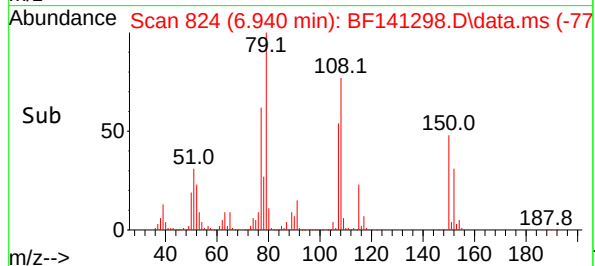
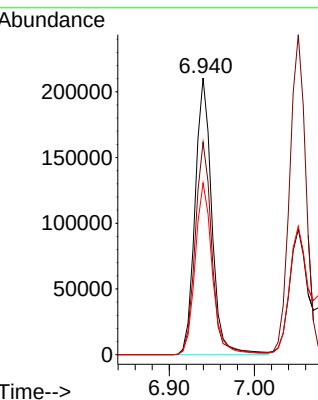
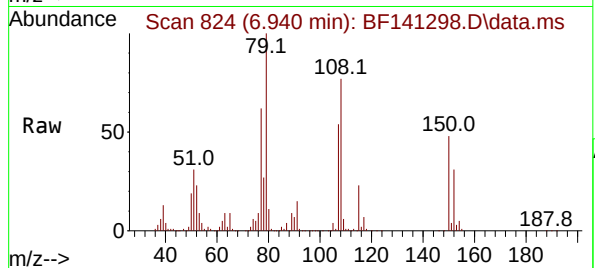
77 62.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.636 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

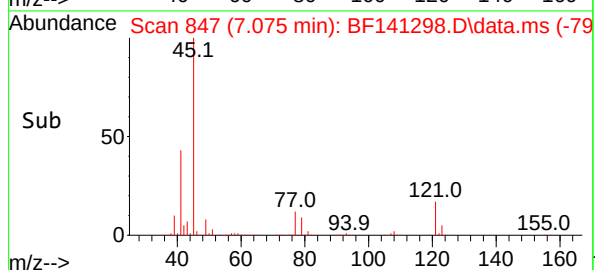
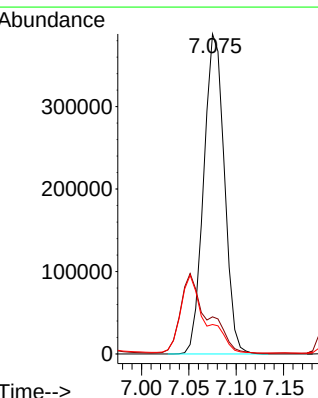
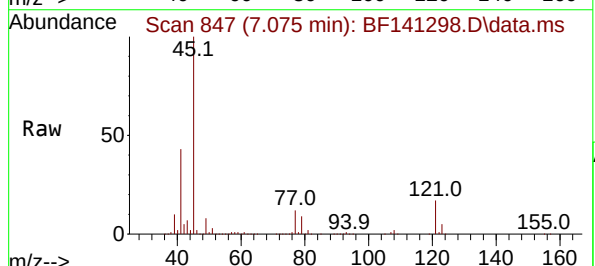
Tgt Ion: 45 Resp: 587637

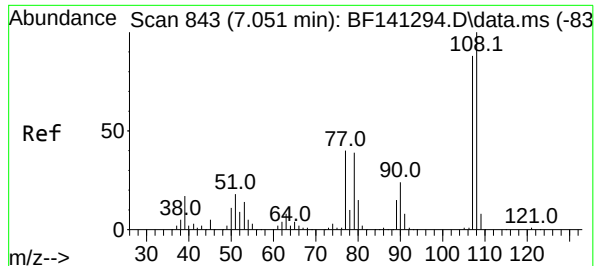
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.8

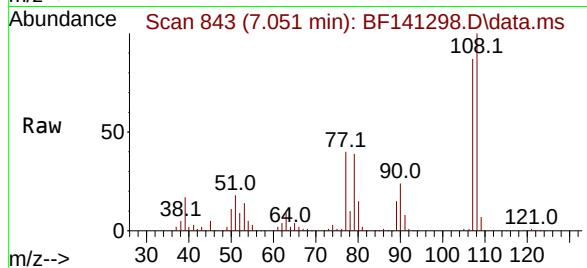
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

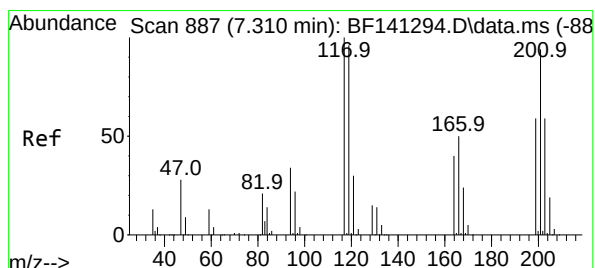
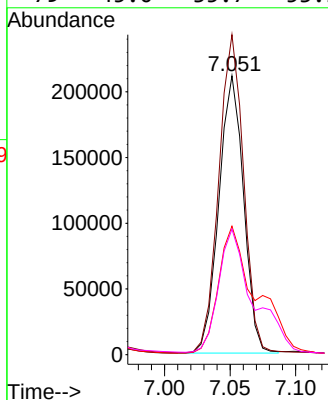
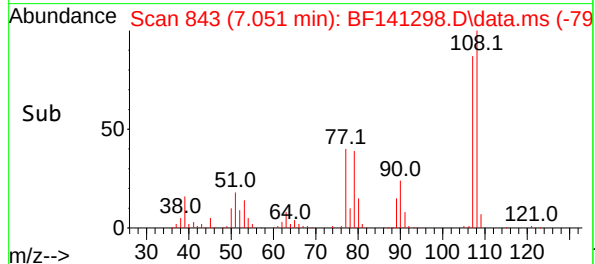
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



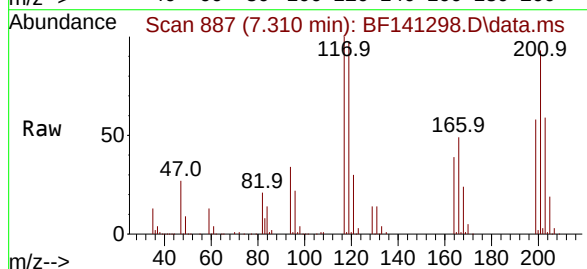
Tgt Ion:107 Resp: 276450
Ion Ratio Lower Upper
107 100
108 114.8 90.8 136.2
77 46.1 36.2 54.4
79 45.0 35.7 53.5

Manual Integrations
APPROVED

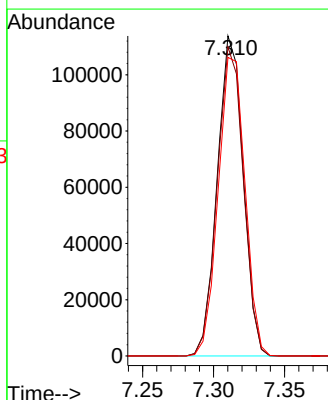
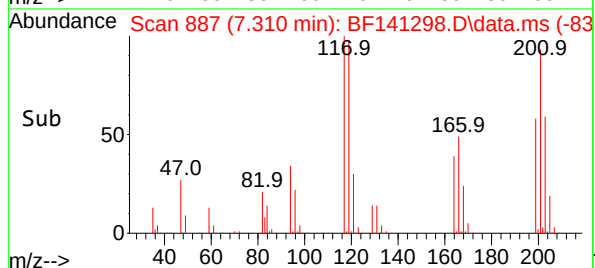
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

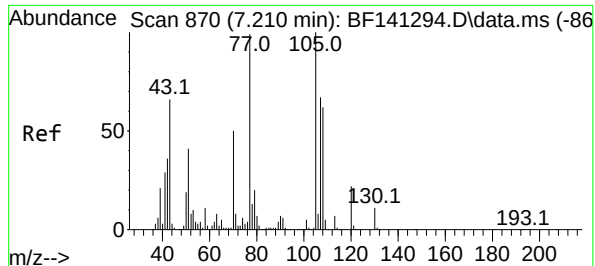


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:117 Resp: 144890
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8
201 93.3 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.848 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 70 Resp: 241878

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 9.8 7.7 11.5

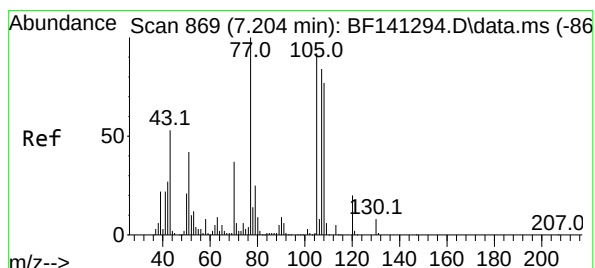
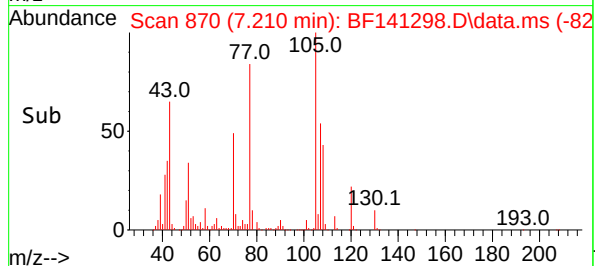
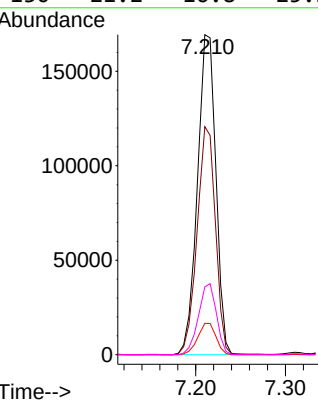
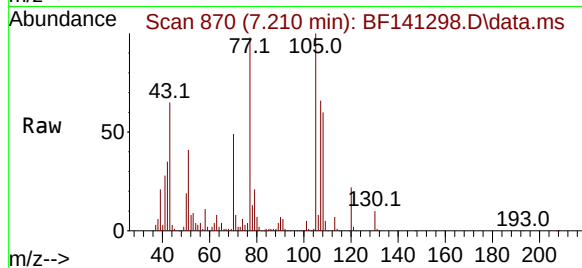
130 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 37.364 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

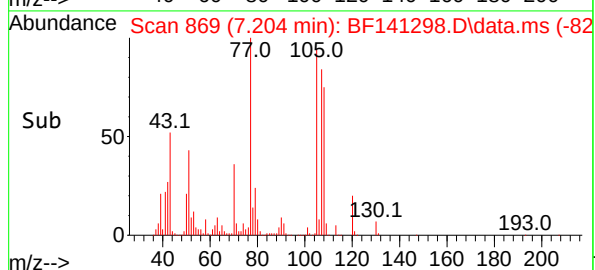
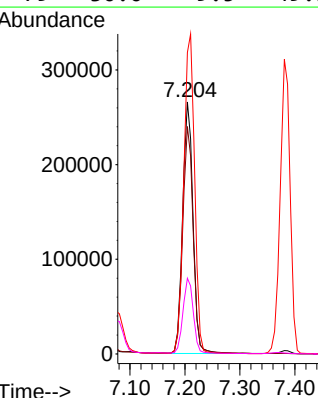
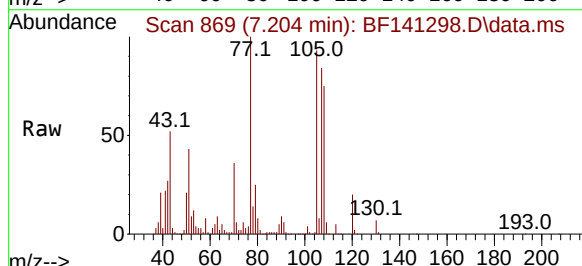
Ion Ratio Lower Upper

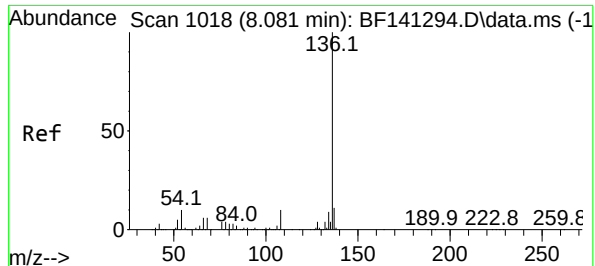
107 100

108 90.2 70.9 110.9

77 119.7 98.5 138.5

79 30.0 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141298.D

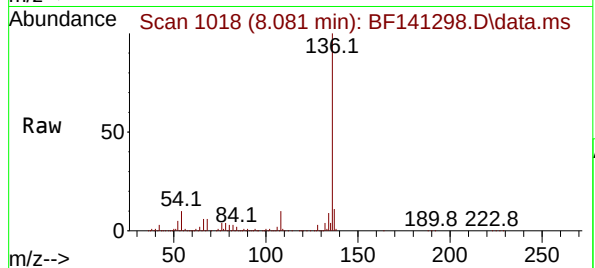
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:136 Resp: 525644

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 7.8 11.8

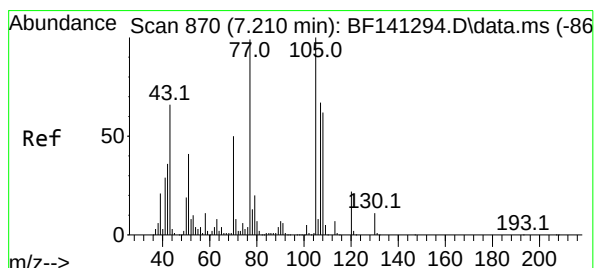
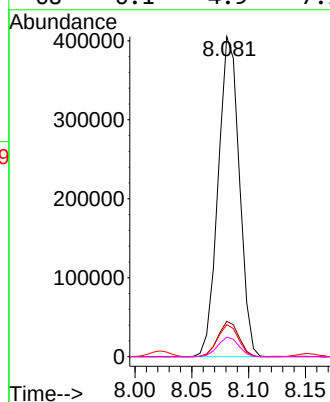
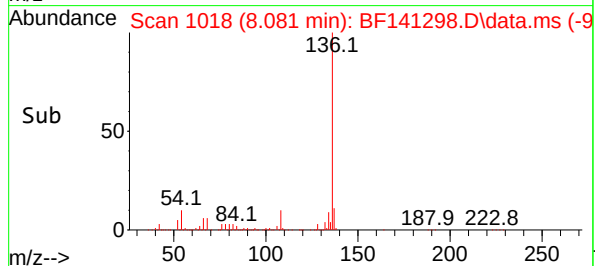
68 6.1 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#22

Acetophenone

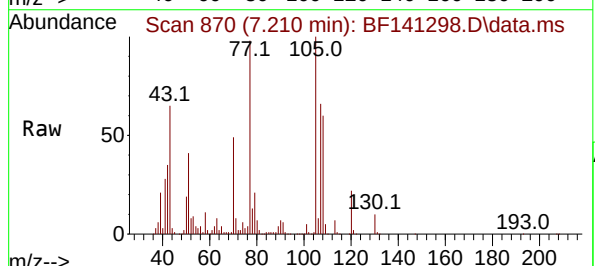
Concen: 36.717 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:105 Resp: 458757

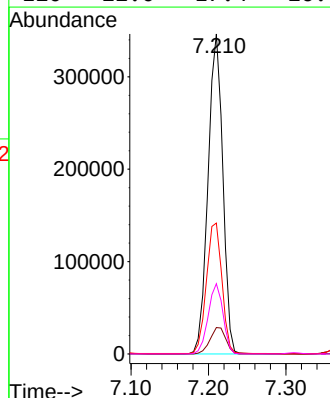
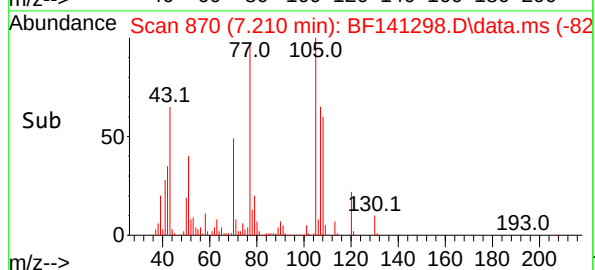
Ion Ratio Lower Upper

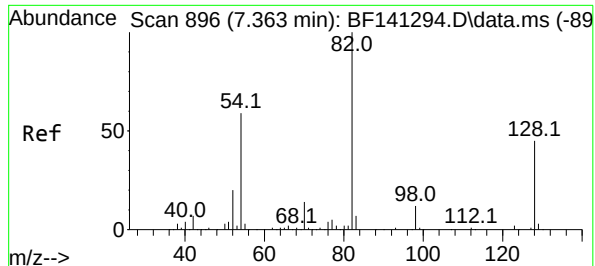
105 100

71 8.3 6.8 10.2

51 40.9 32.6 49.0

120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 75.630 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 82 Resp: 754118

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

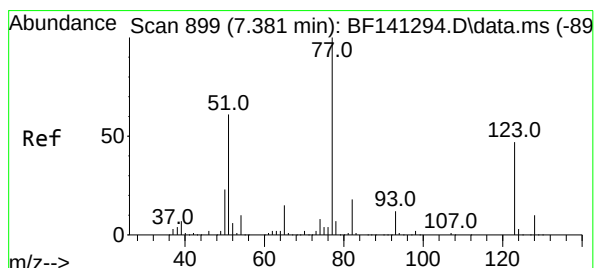
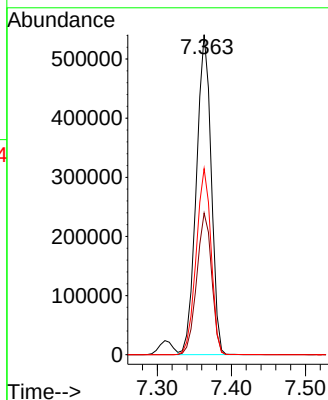
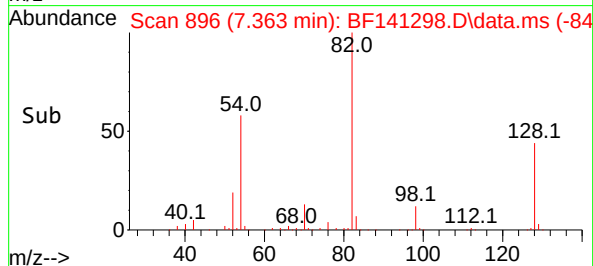
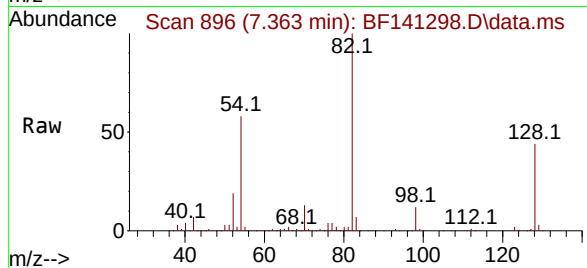
54 58.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 37.927 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

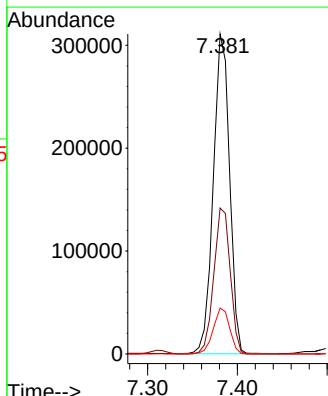
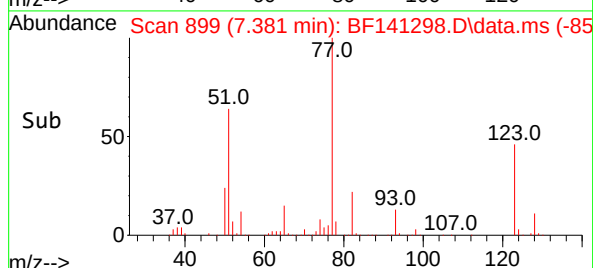
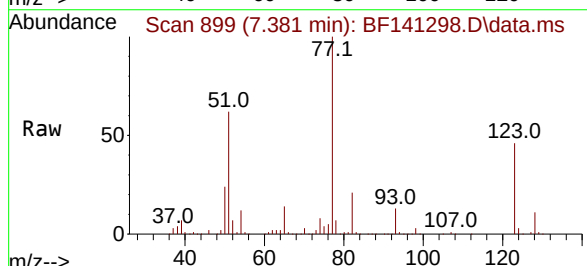
Tgt Ion: 77 Resp: 391907

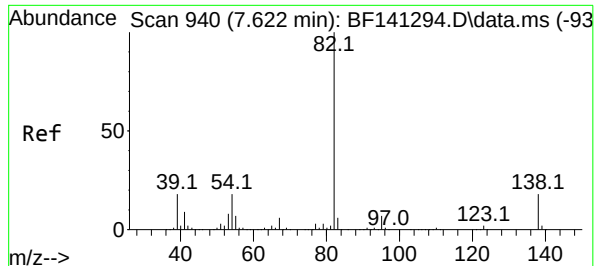
Ion Ratio Lower Upper

77 100

123 45.6 37.3 55.9

65 14.4 11.8 17.6





#25

Isophorone

Concen: 37.439 ng

RT: 7.622 min Scan# 940

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 82 Resp: 645309

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

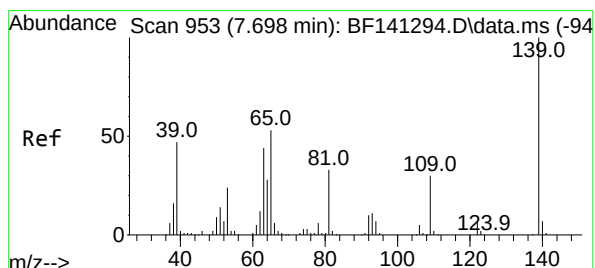
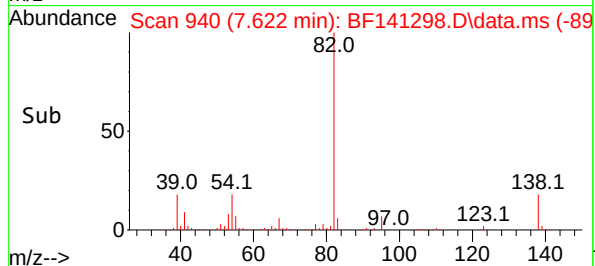
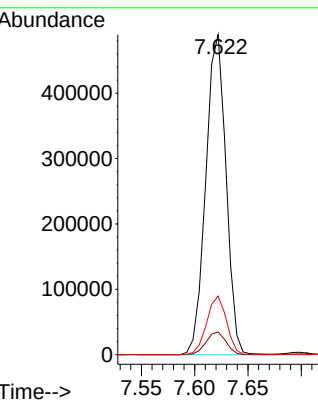
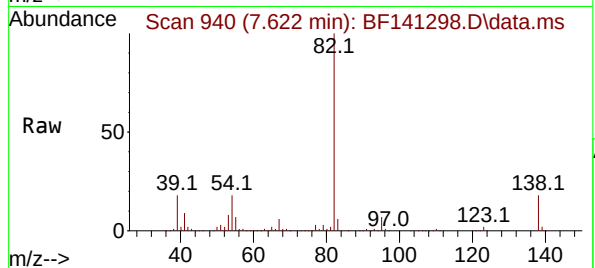
138 18.3 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#26

2-Nitrophenol

Concen: 38.289 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

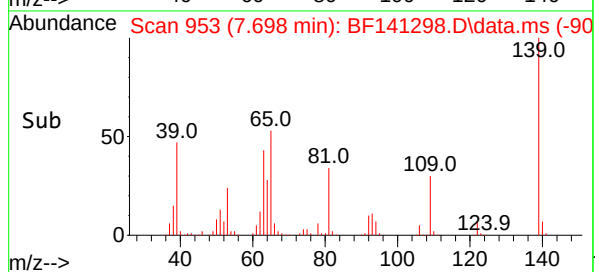
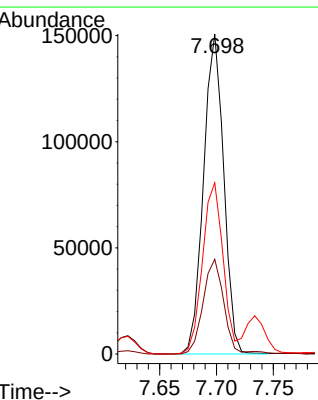
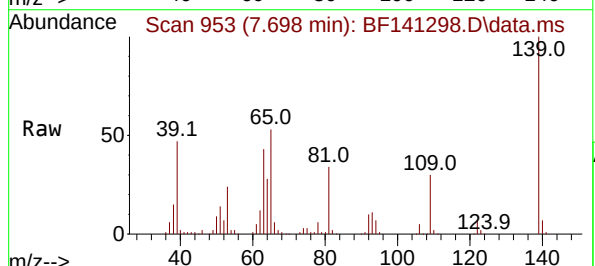
Tgt Ion:139 Resp: 186592

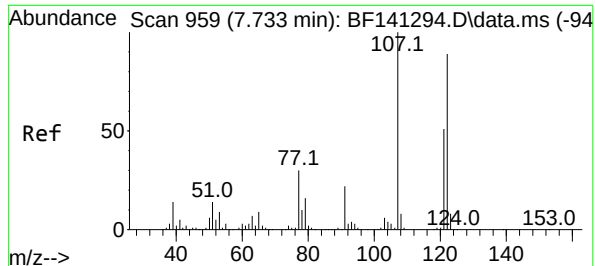
Ion Ratio Lower Upper

139 100

109 29.6 23.8 35.6

65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.055 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141298.D

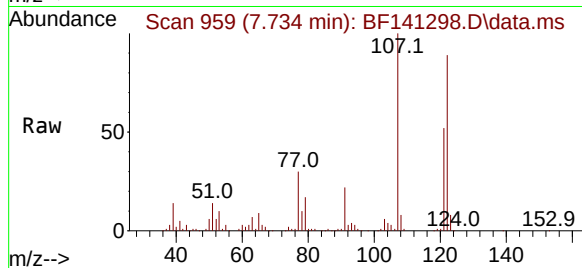
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

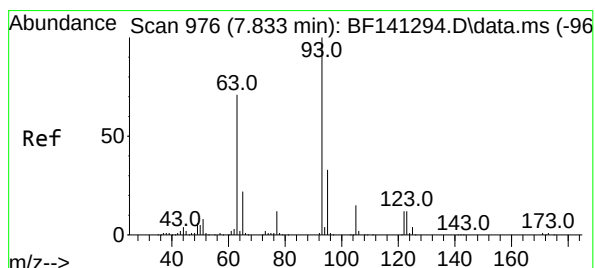
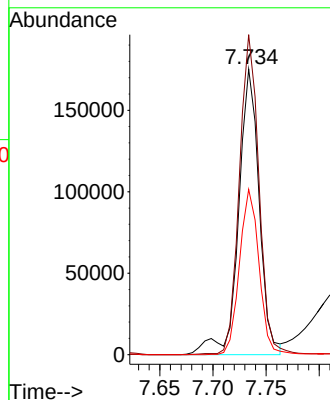
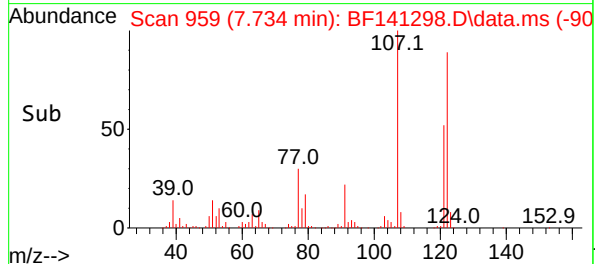
ICVBF012925



Tgt Ion:	122	Resp:	236052
Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	57.9	46.1	69.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

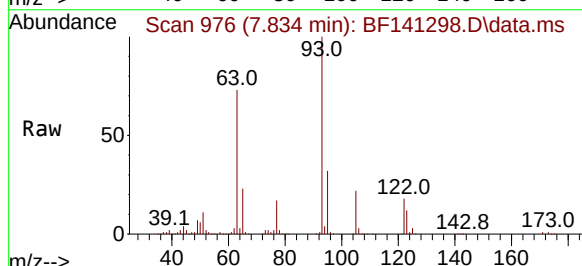
Concen: 37.460 ng

RT: 7.834 min Scan# 976

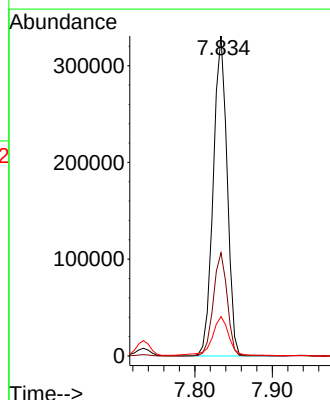
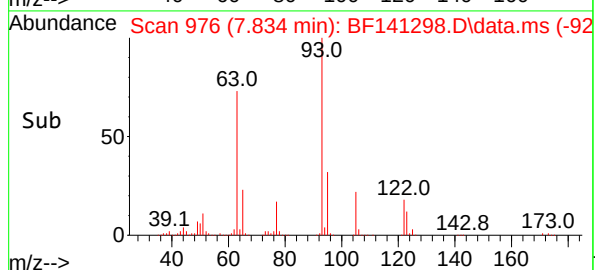
Delta R.T. -0.006 min

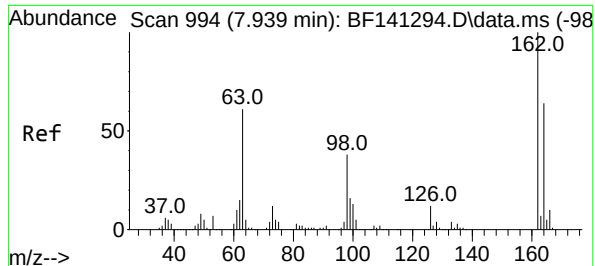
Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:	93	Resp:	411851
Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.3	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 37.675 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141298.D

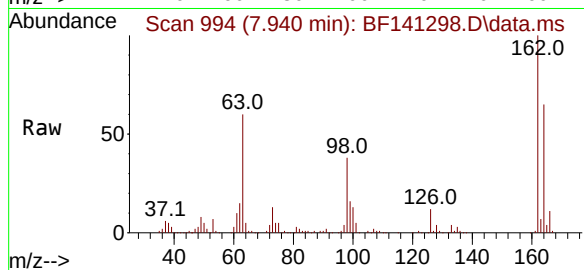
Acq: 29 Jan 2025 17:31

Instrument :

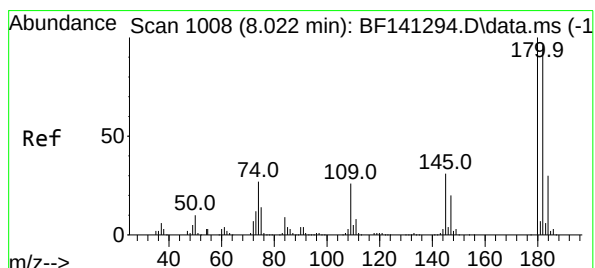
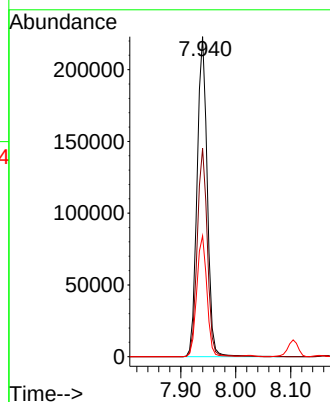
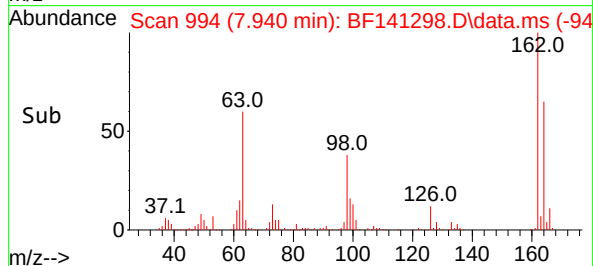
BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:162	Resp: 286090
Ion Ratio	Lower Upper
162 100	
164 65.1	44.2 84.2
98 37.7	18.2 58.2

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

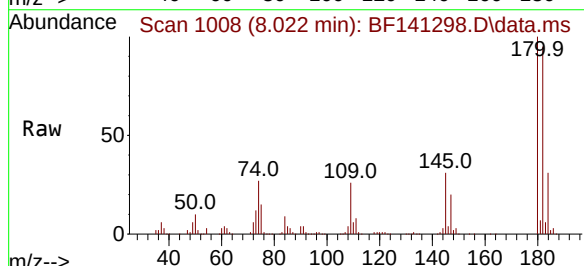
Concen: 36.488 ng

RT: 8.022 min Scan# 1008

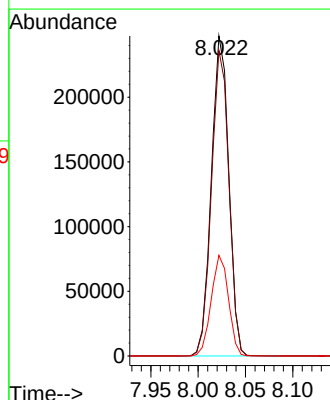
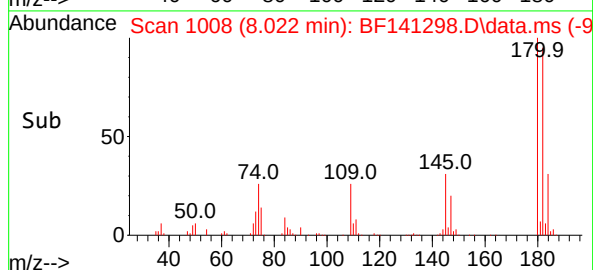
Delta R.T. -0.006 min

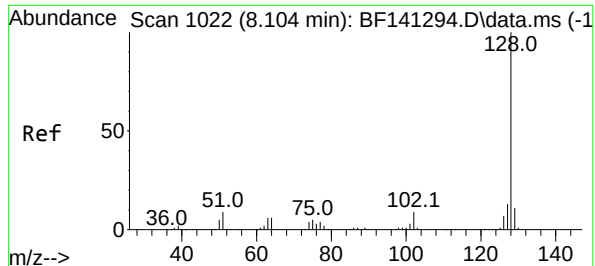
Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:180	Resp: 316431
Ion Ratio	Lower Upper
180 100	
182 95.4	76.4 114.6
145 31.4	24.9 37.3





#31

Naphthalene

Concen: 37.128 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:128 Resp: 103099

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

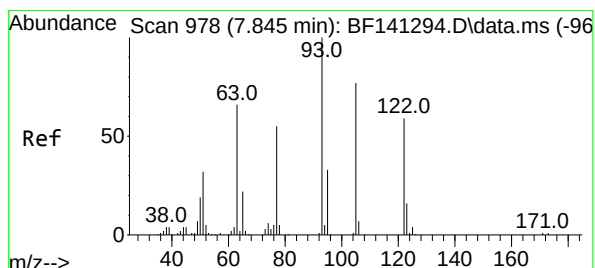
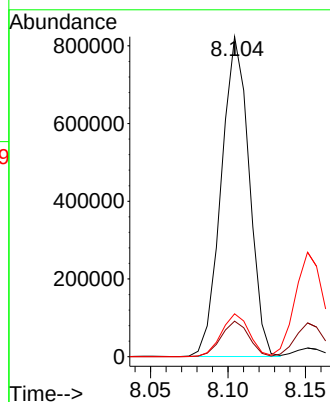
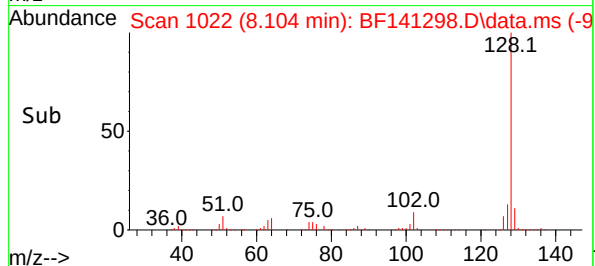
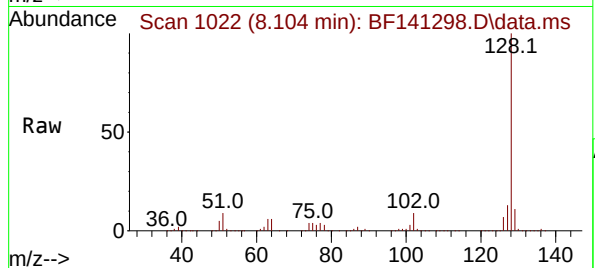
127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#32

Benzoic acid

Concen: 41.534 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

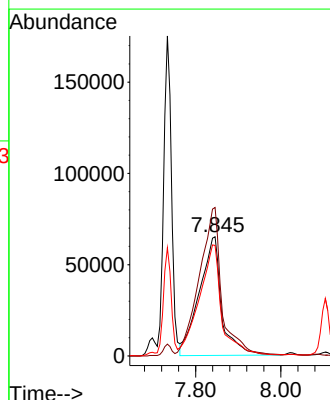
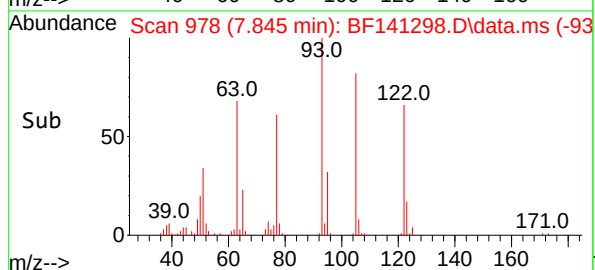
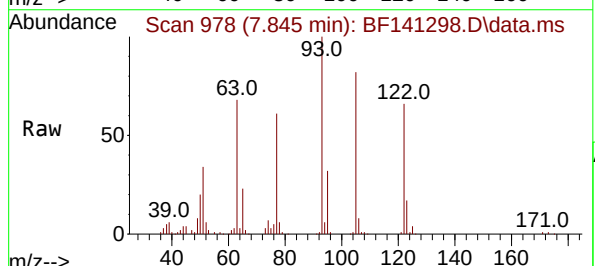
Tgt Ion:122 Resp: 236833

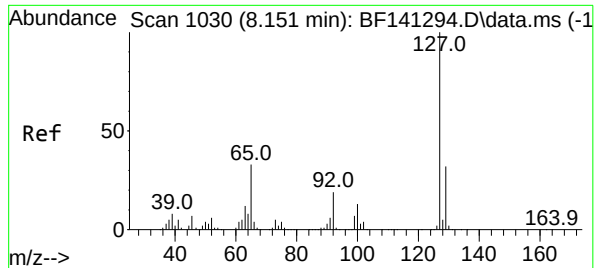
Ion Ratio Lower Upper

122 100

105 124.7 103.4 143.4

77 92.8 70.9 110.9





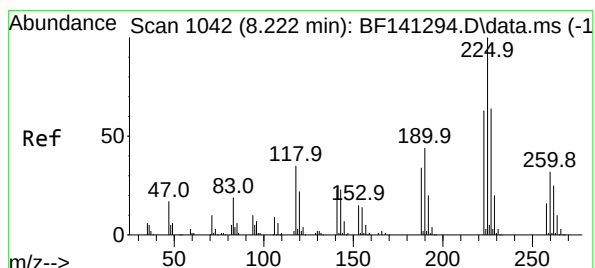
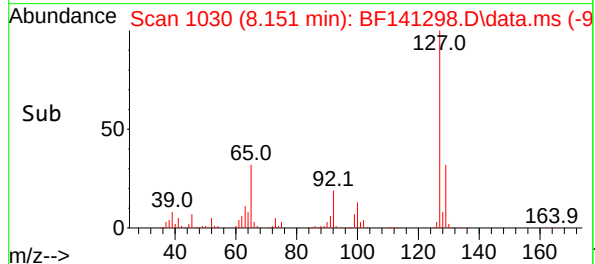
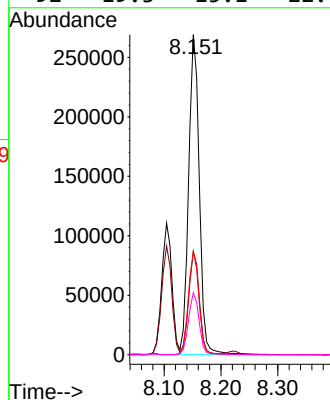
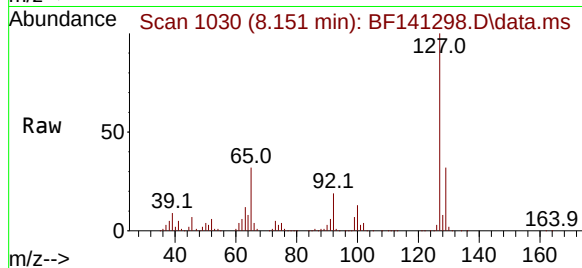
#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:127 Resp: 35042
Ion Ratio Lower Upper
127 100
129 32.3 25.7 38.5
65 32.3 26.4 39.6
92 19.3 15.1 22.7

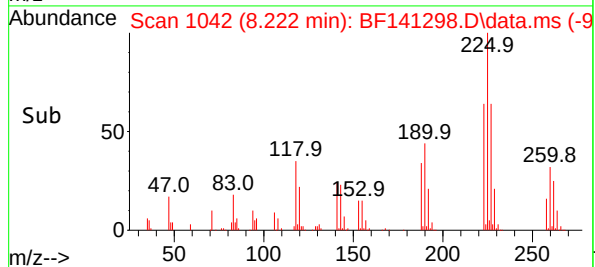
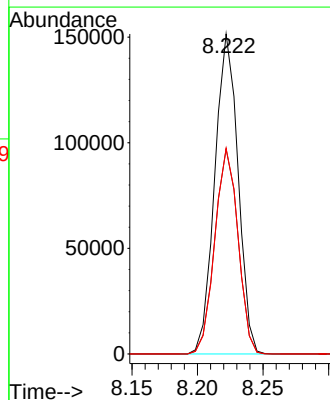
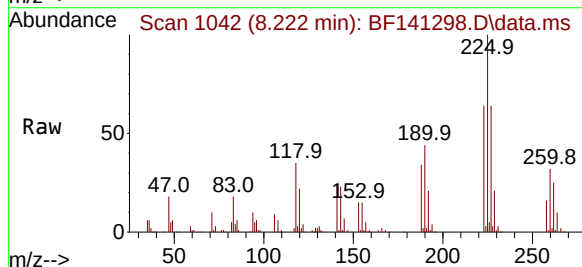
Manual Integrations
APPROVED

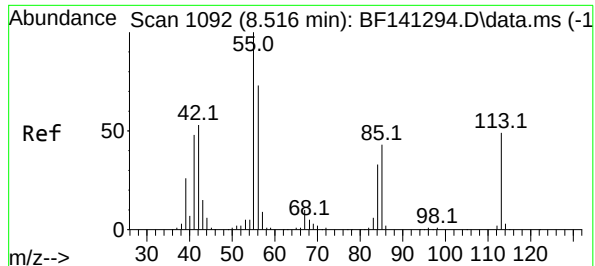
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

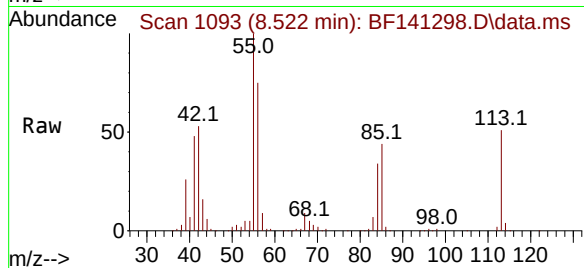
Tgt Ion:225 Resp: 186523
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 64.2 51.3 76.9





#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

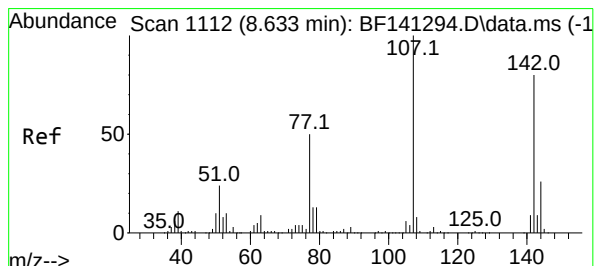
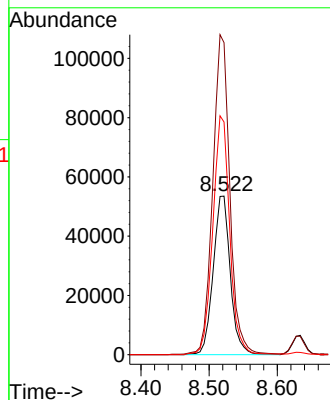
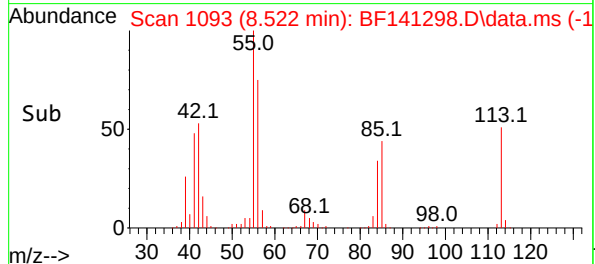
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:113 Resp: 9340
Ion Ratio Lower Upper
113 100
55 196.8 182.9 222.9
56 146.7 127.9 167.9

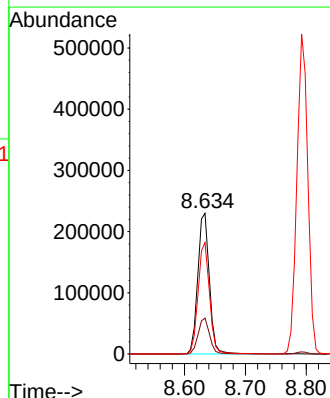
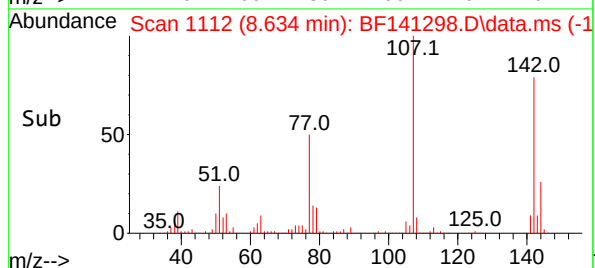
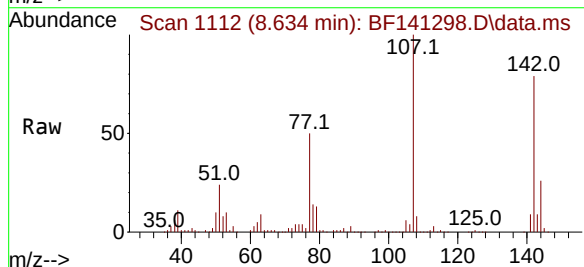
Manual Integrations
APPROVED

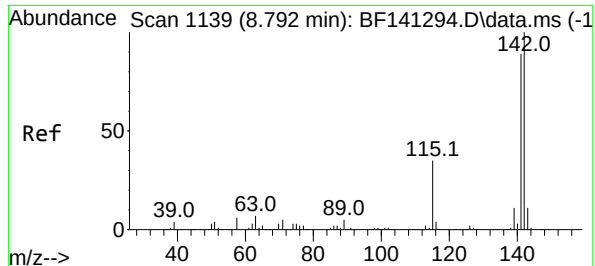
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 305288
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.1 63.8 95.8





#37

2-Methylnaphthalene

Concen: 36.898 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:142 Resp: 65122

Ion Ratio Lower Upper

142 100

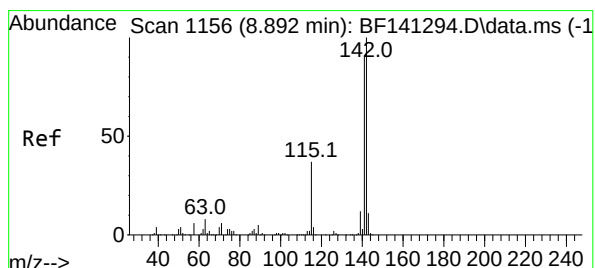
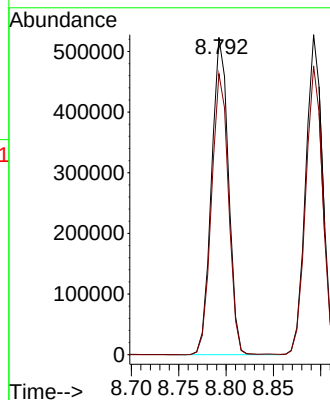
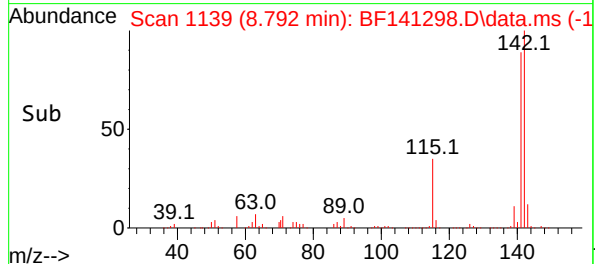
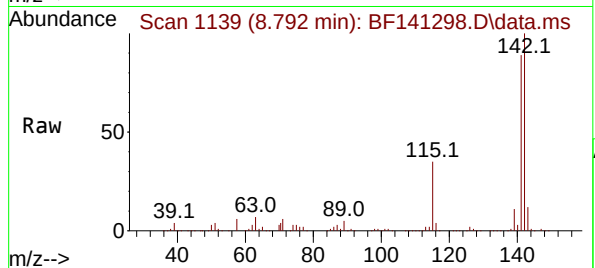
141 88.6 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 37.570 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141298.D

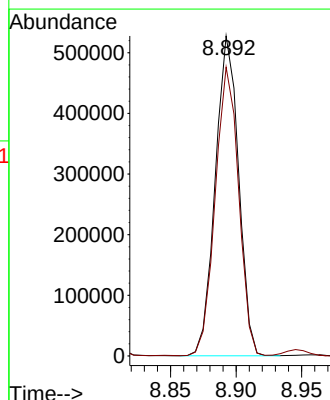
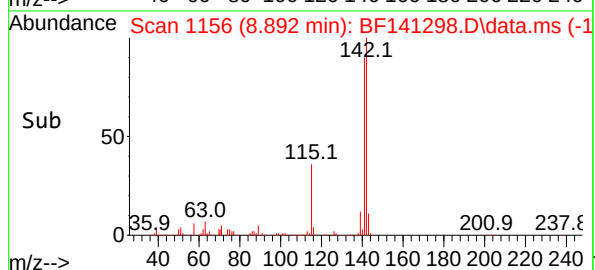
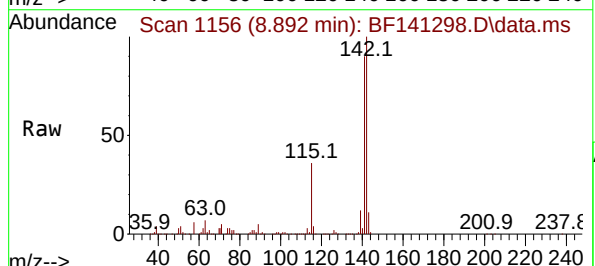
Acq: 29 Jan 2025 17:31

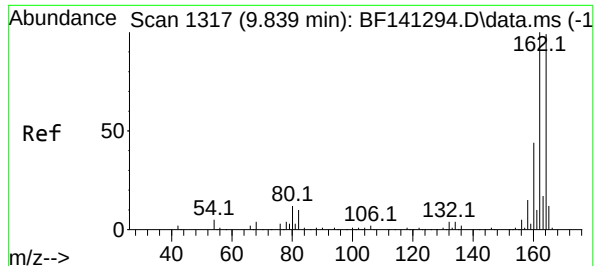
Tgt Ion:142 Resp: 651341

Ion Ratio Lower Upper

142 100

141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141298.D

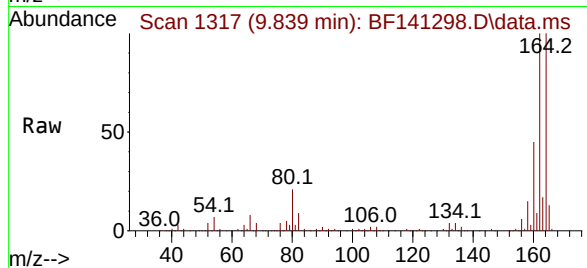
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:164 Resp: 279764

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

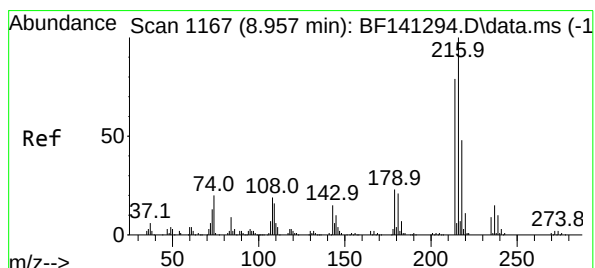
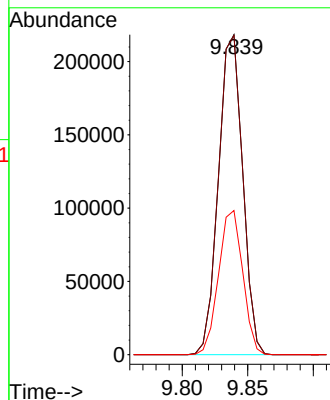
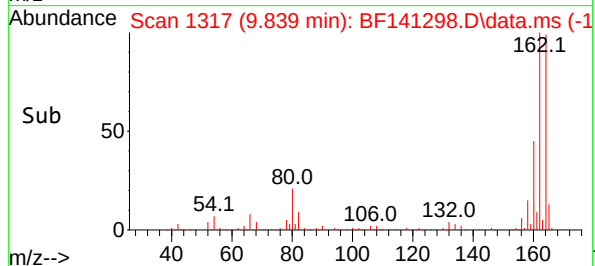
160 45.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

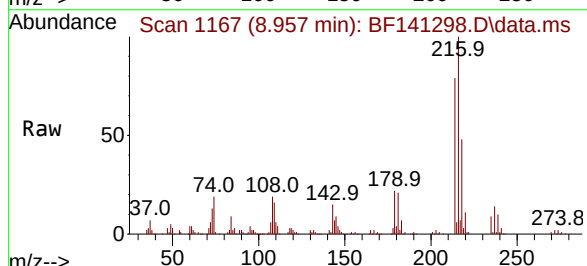
Concen: 37.226 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:216 Resp: 296277

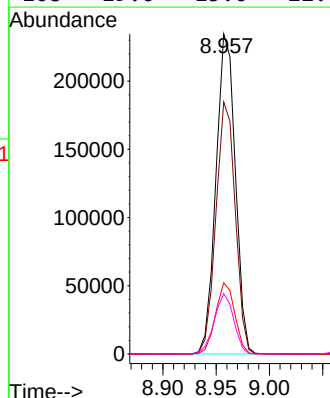
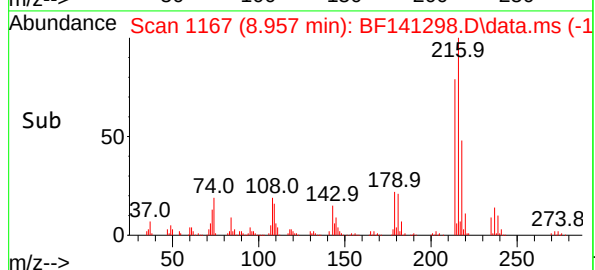
Ion Ratio Lower Upper

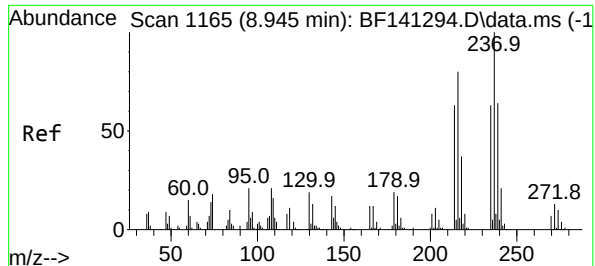
216 100

214 78.4 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.961 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

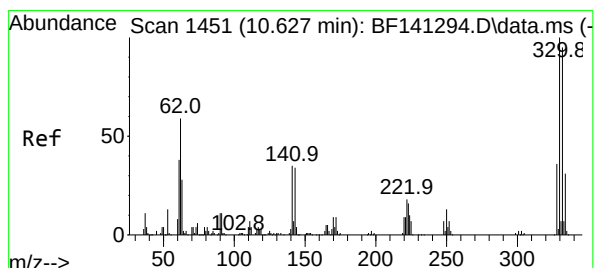
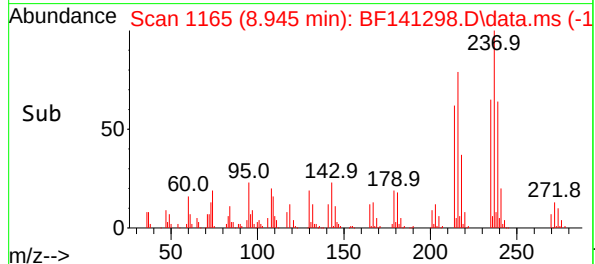
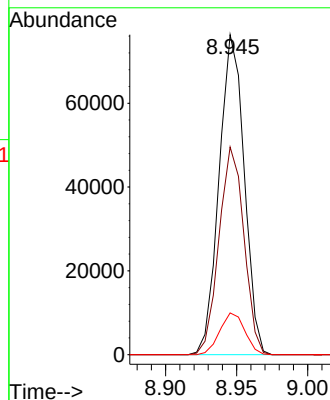
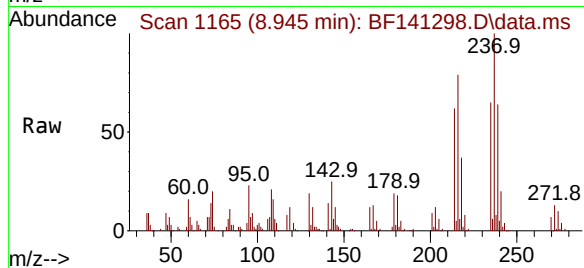
Tgt Ion:	237	Resp:	93930
Ion Ratio	Lower	Upper	
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 75.161 ng

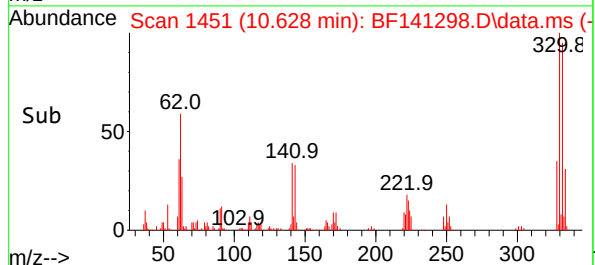
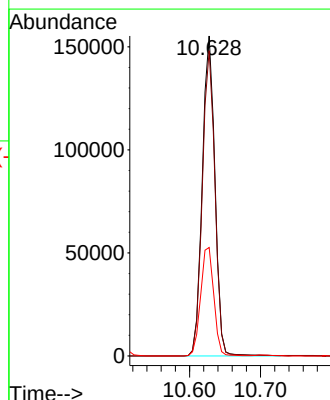
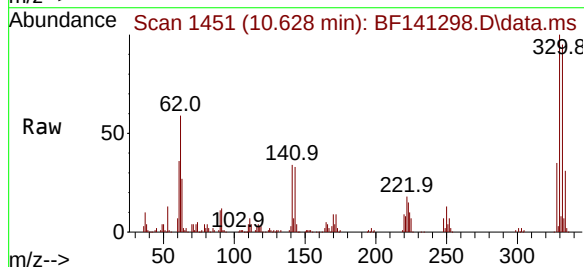
RT: 10.628 min Scan# 1451

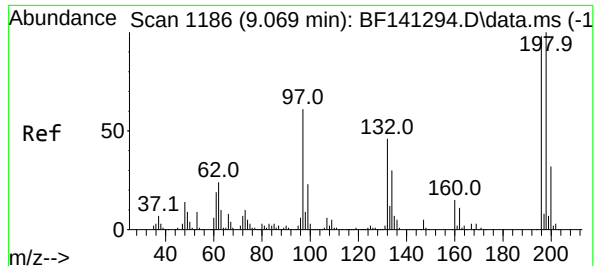
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:	330	Resp:	192773
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 38.625 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141298.D

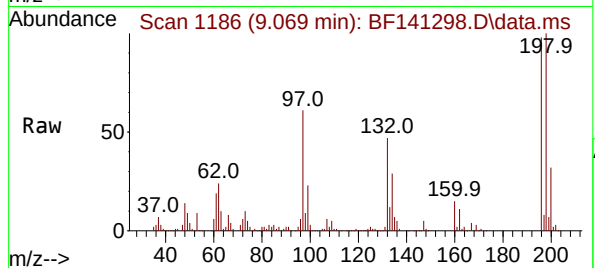
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:196 Resp: 201214

Ion Ratio Lower Upper

196 100

198 102.5 81.8 122.6

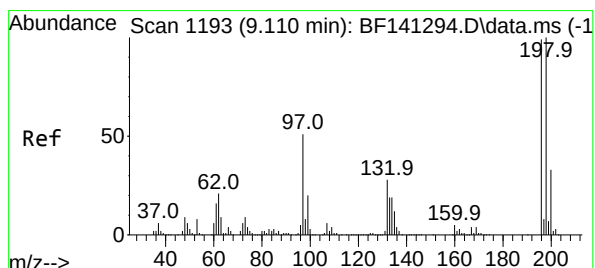
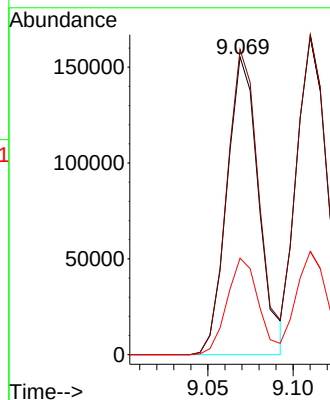
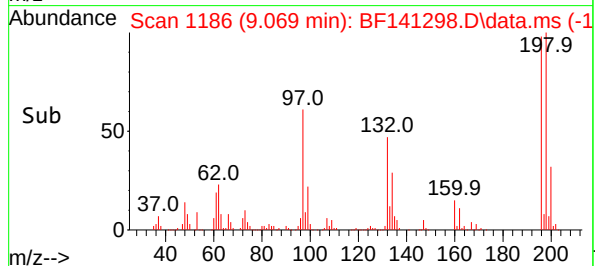
200 32.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 36.969 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611

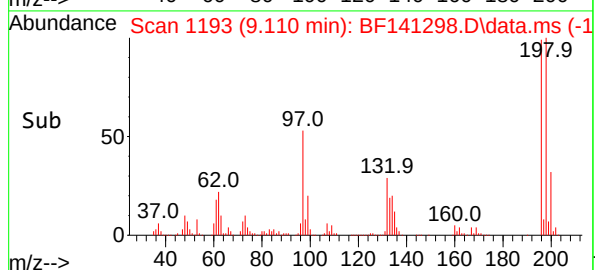
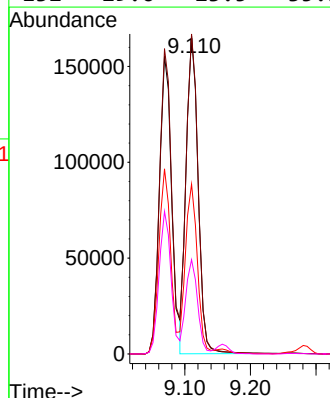
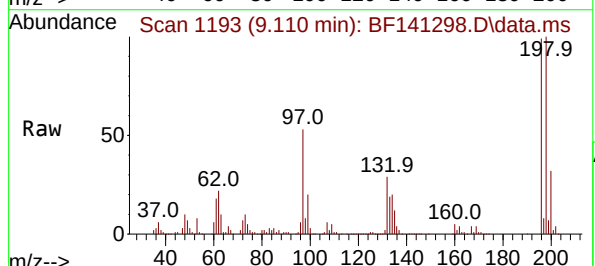
Ion Ratio Lower Upper

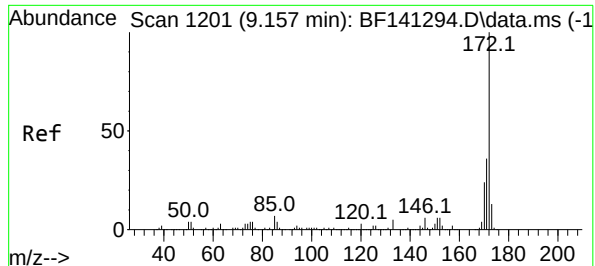
196 100

198 100.6 80.5 120.7

97 53.3 42.8 64.2

132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 72.938 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:172 Resp: 132572

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

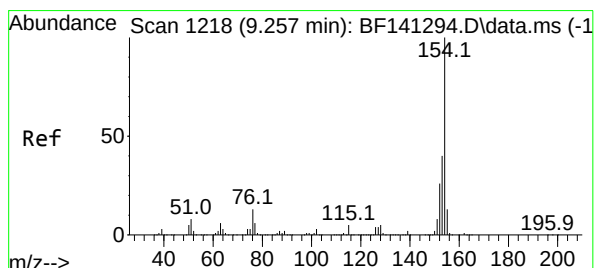
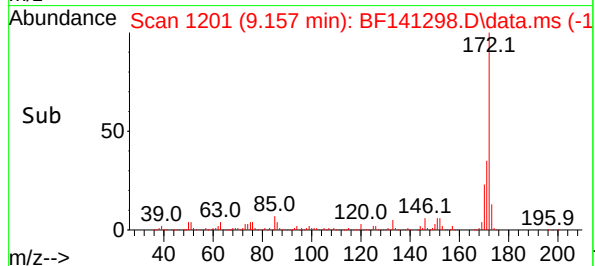
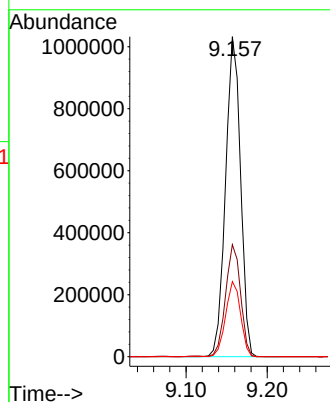
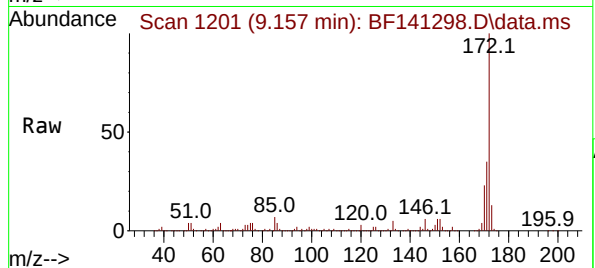
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 37.111 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

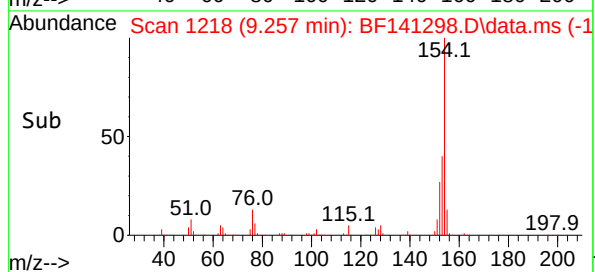
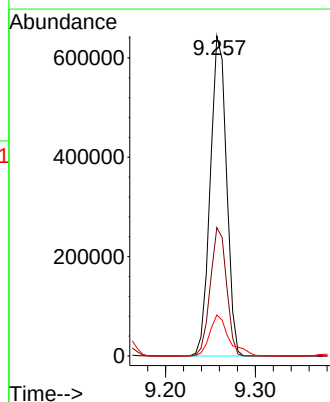
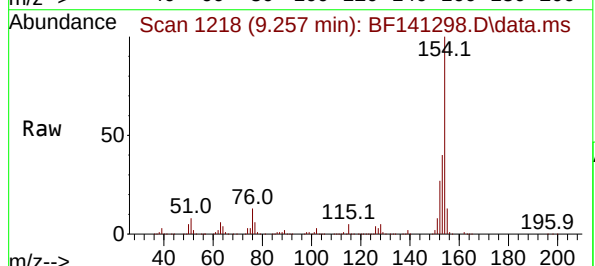
Tgt Ion:154 Resp: 809694

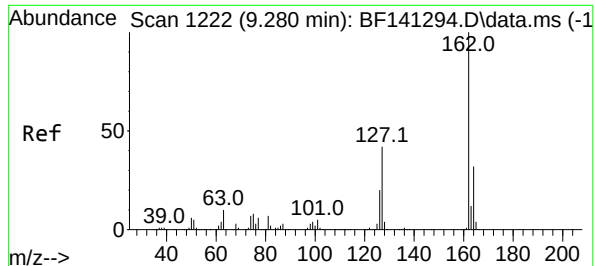
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.837 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141298.D

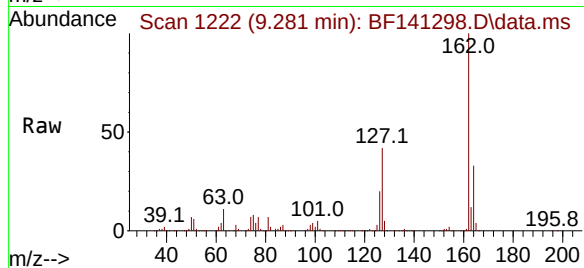
Acq: 29 Jan 2025 17:31

Instrument :

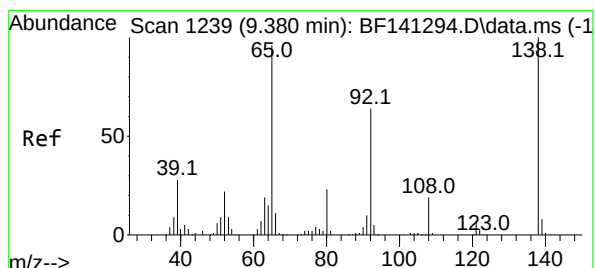
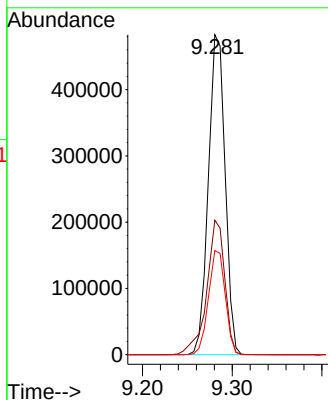
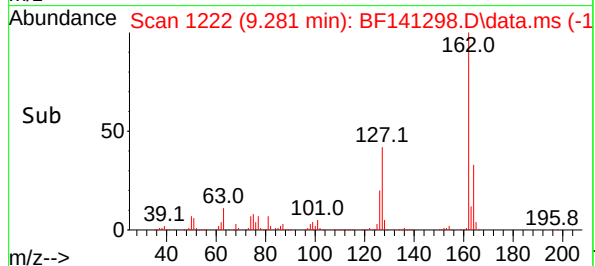
BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:	162	Resp:	62645
Ion Ratio	Lower	Upper	
162	100		
127	42.0	33.7	50.5
164	32.5	25.9	38.9

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

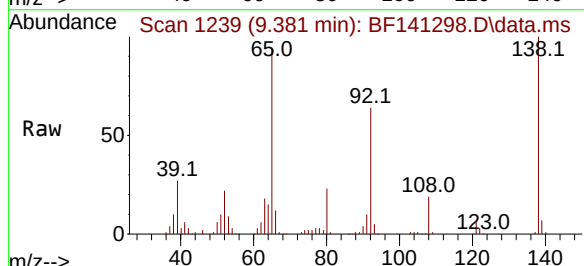
Concen: 37.970 ng

RT: 9.381 min Scan# 1239

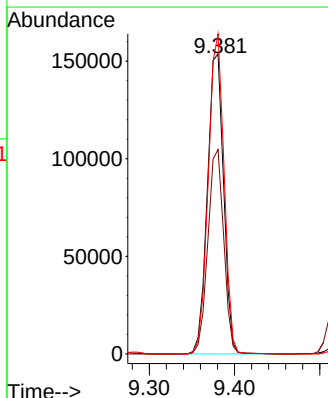
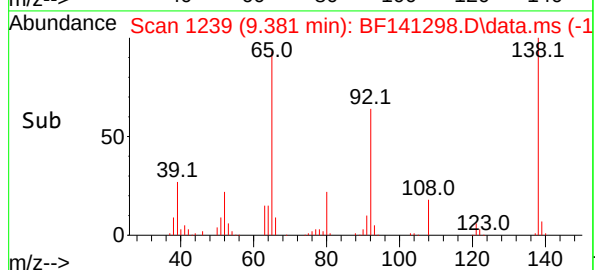
Delta R.T. -0.000 min

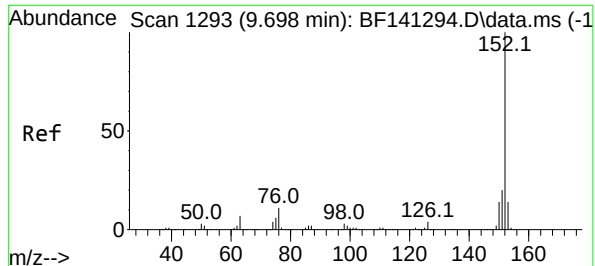
Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:	65	Resp:	203104
Ion Ratio	Lower	Upper	
65	100		
92	68.1	53.3	79.9
138	106.7	83.6	125.4





#49

Acenaphthylene

Concen: 37.416 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

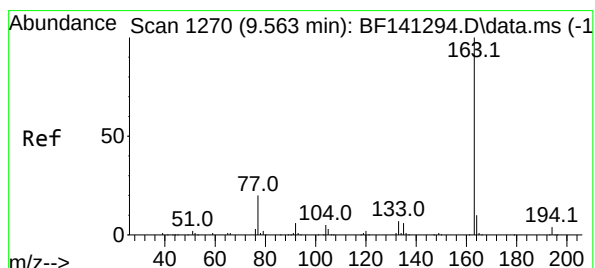
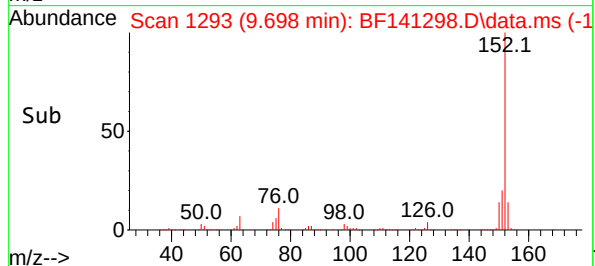
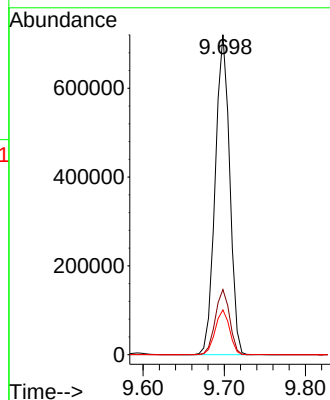
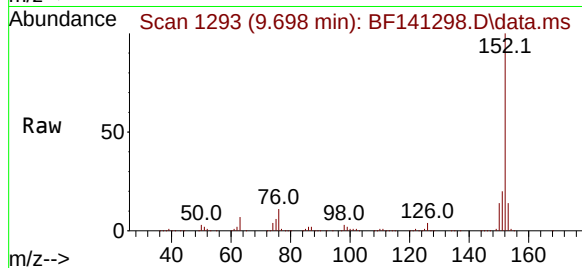
ICVBF012925

Tgt Ion:152	Resp: 890709
Ion Ratio	Lower Upper
152	100
151	20.3 16.2 24.2
153	14.0 11.0 16.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 36.904 ng

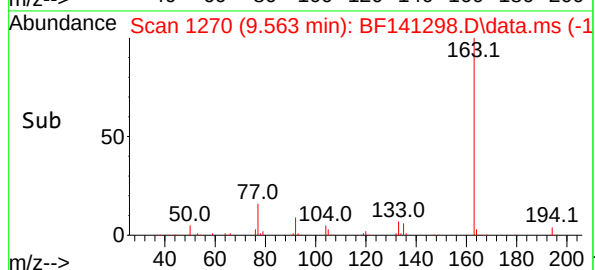
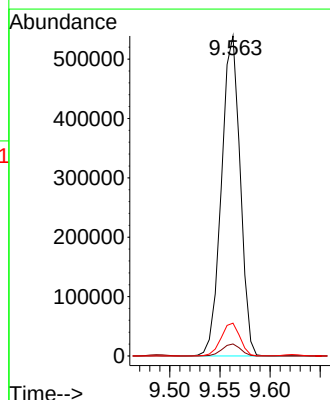
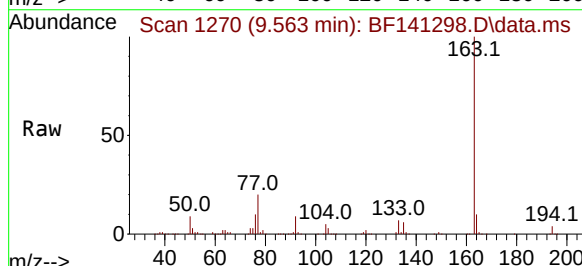
RT: 9.563 min Scan# 1270

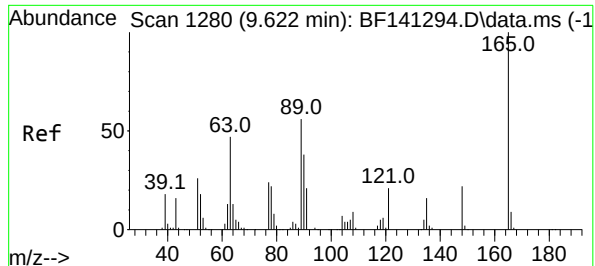
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

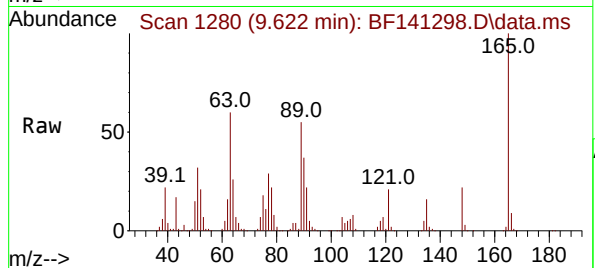
Tgt Ion:163	Resp: 697300
Ion Ratio	Lower Upper
163	100
194	3.8 3.0 4.6
164	10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

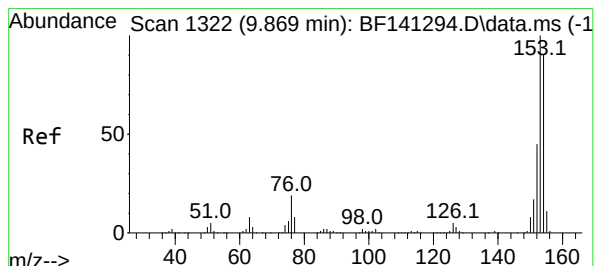
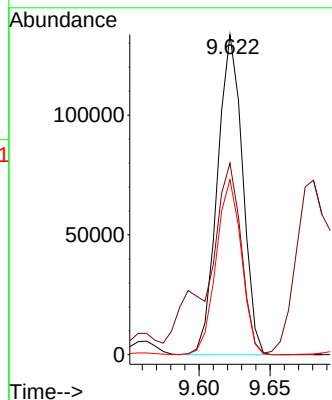
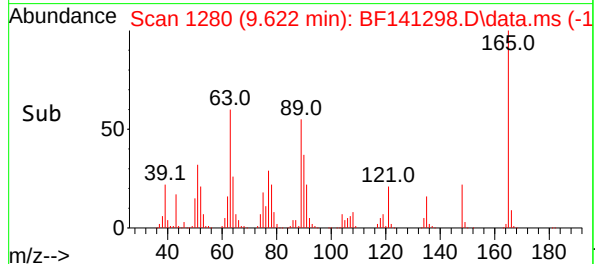
Instrument :
BNA_F
Client Sample Id :
ICVBF012925



Tgt Ion:165 Resp: 16434
Ion Ratio Lower Upper
165 100
63 59.9 48.1 72.1
89 54.7 44.9 67.3

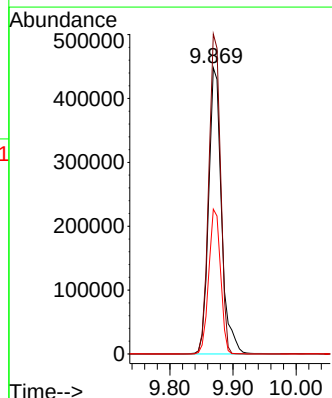
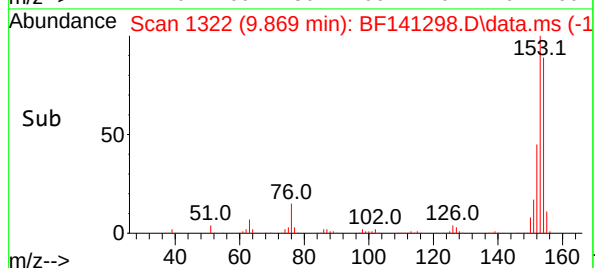
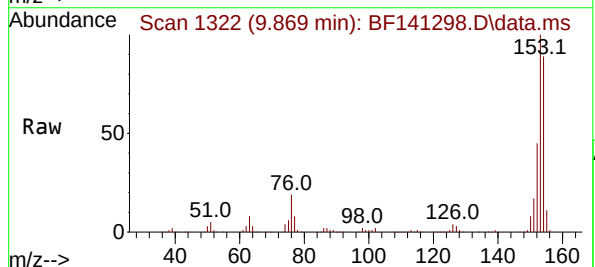
Manual Integrations
APPROVED

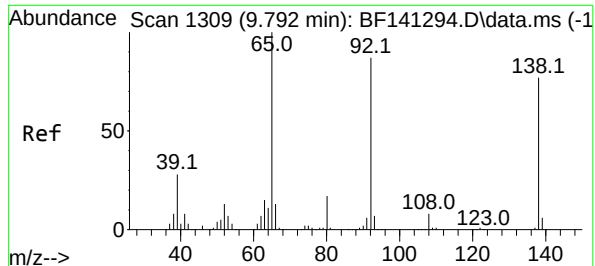
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

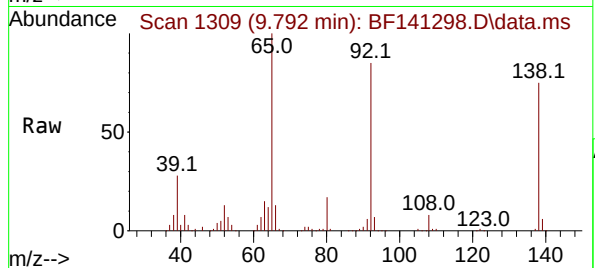
Tgt Ion:154 Resp: 632756
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.6 40.2 60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

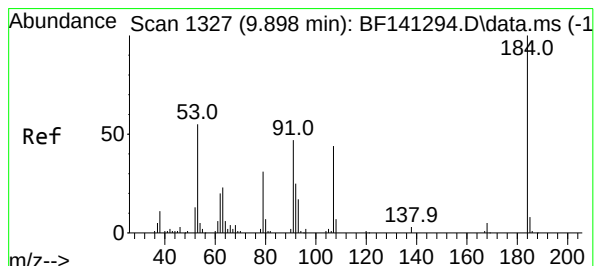
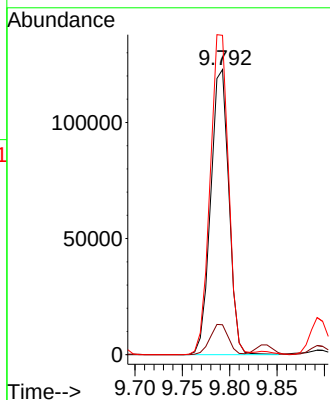
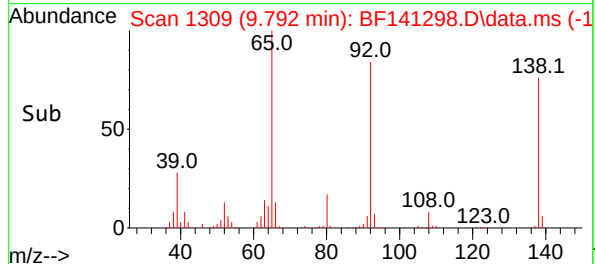
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:138 Resp: 16404
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 112.1 91.0 136.6

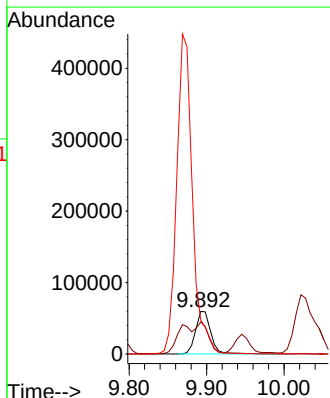
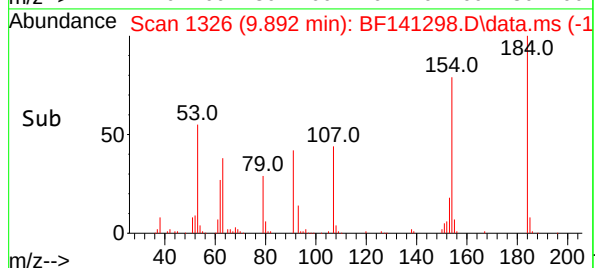
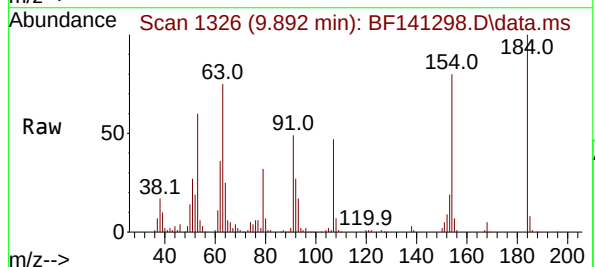
Manual Integrations
APPROVED

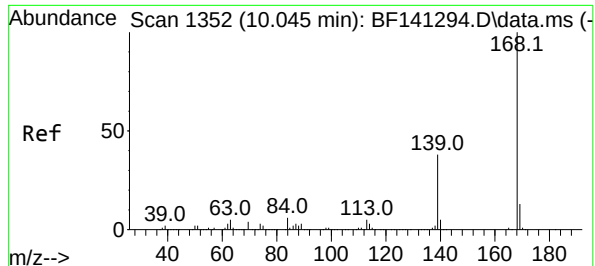
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034
Ion Ratio Lower Upper
184 100
63 75.3 54.1 81.1
154 79.6 50.7 76.1#





#55

Dibenzenofuran

Concen: 37.012 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

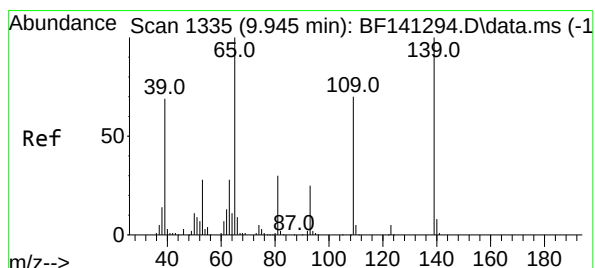
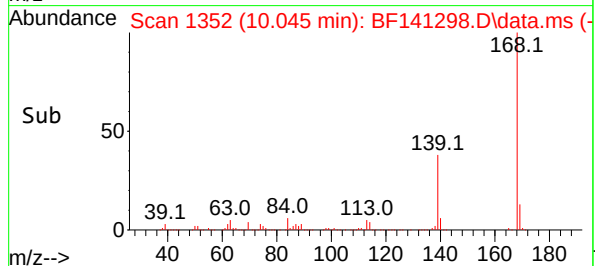
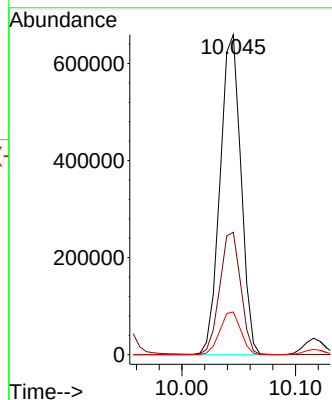
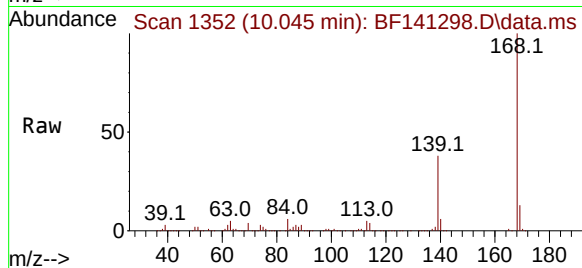
Tgt Ion:168 Resp: 842558

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.6	46.0
169	13.4	10.8	16.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 39.089 ng

RT: 9.945 min Scan# 1335

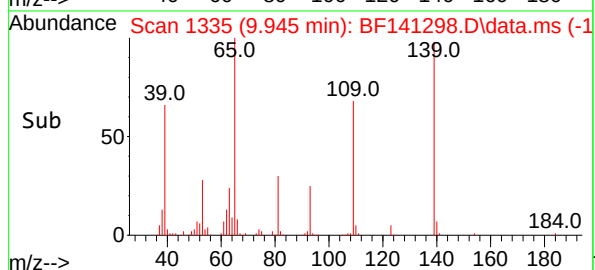
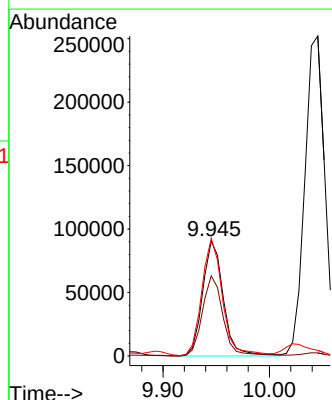
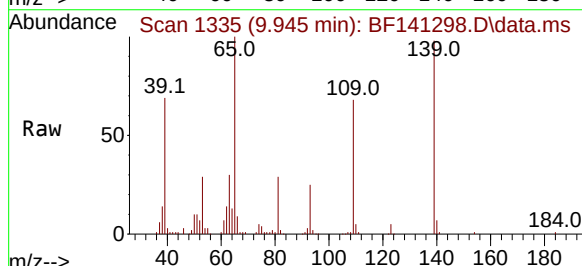
Delta R.T. -0.012 min

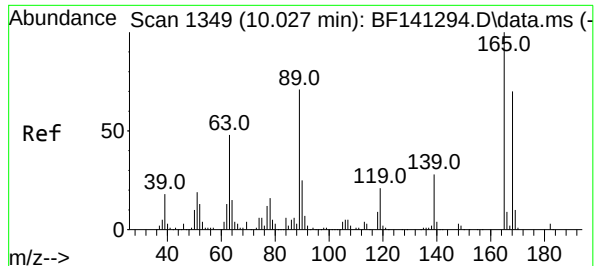
Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 122925

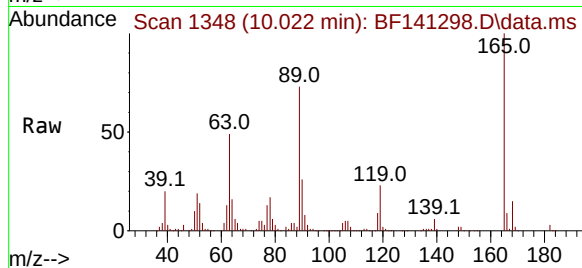
Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.2	90.2
65	102.4	80.6	120.6





#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

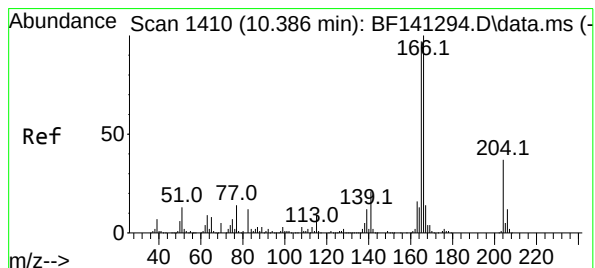
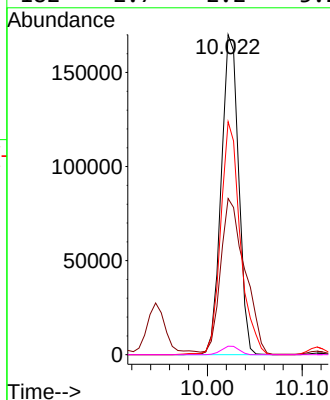
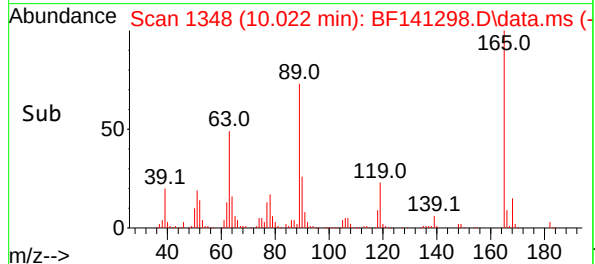
Instrument :
BNA_F
Client Sample Id :
ICVBF012925



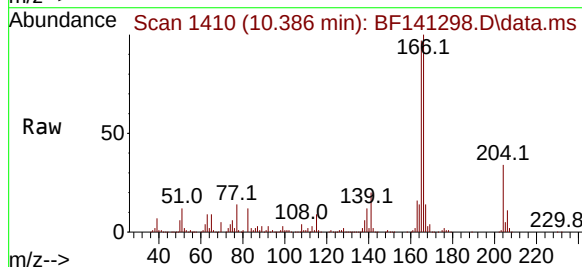
Tgt Ion:165 Resp: 21770
Ion Ratio Lower Upper
165 100
63 48.8 39.2 58.8
89 72.8 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

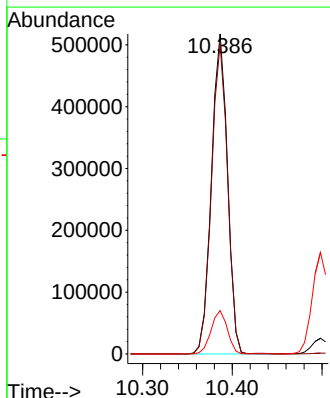
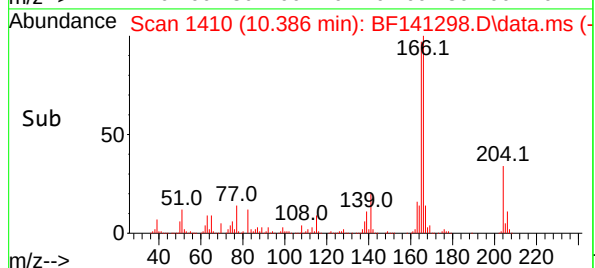
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

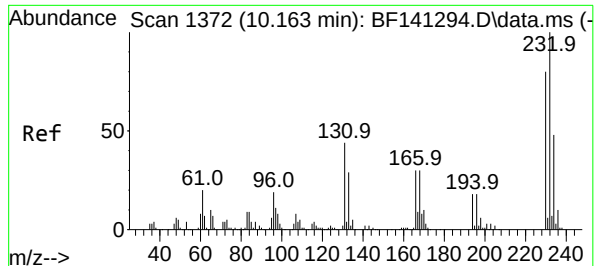


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



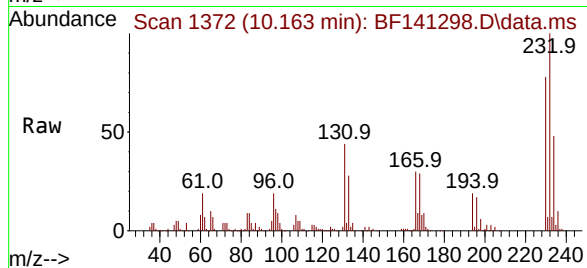
Tgt Ion:166 Resp: 643639
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

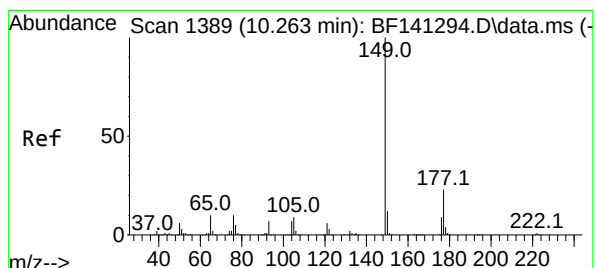
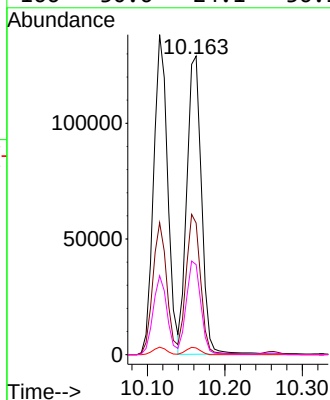
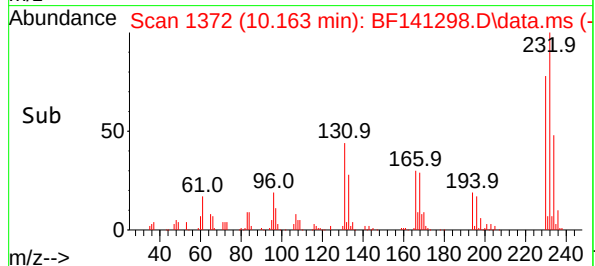
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:232 Resp: 16906
Ion Ratio Lower Upper
232 100
131 46.5 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

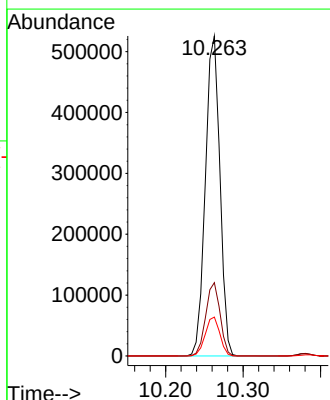
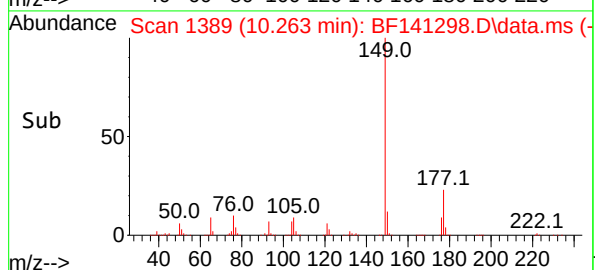
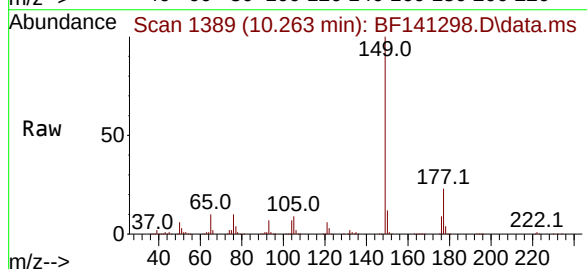
Manual Integrations
APPROVED

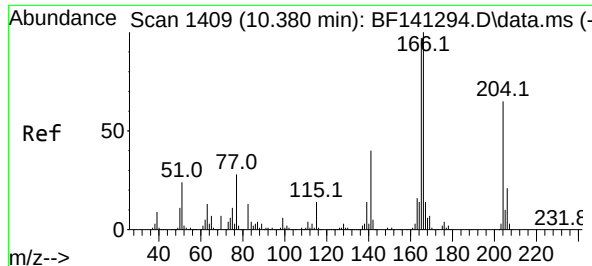
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.1 10.0 15.0





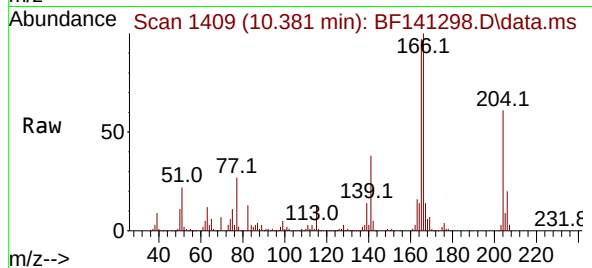
#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

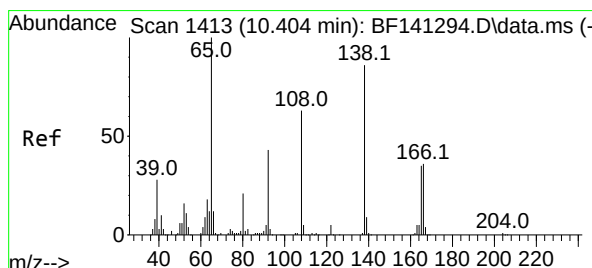
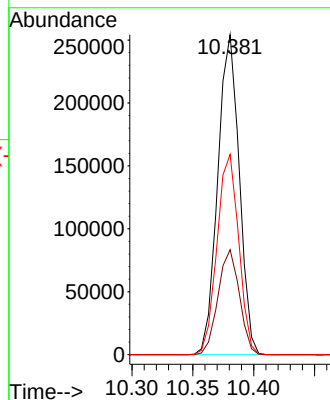
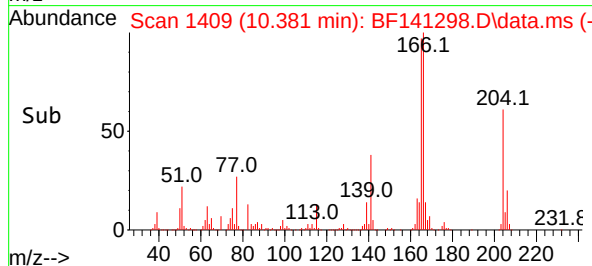
ICVBF012925



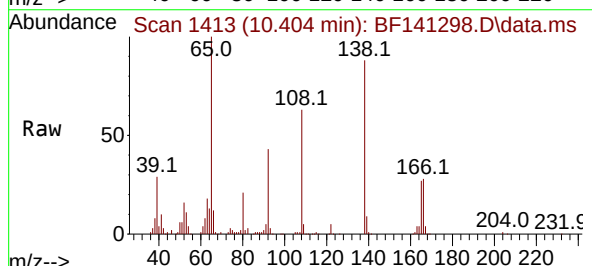
Tgt Ion:204 Resp: 31206
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 62.6 49.5 74.3

Manual Integrations
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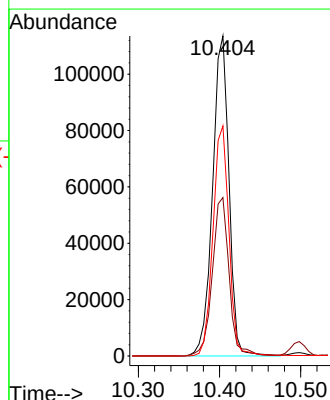
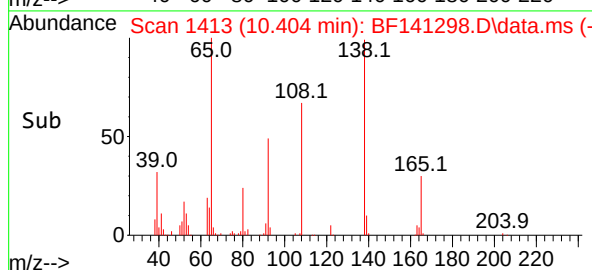
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

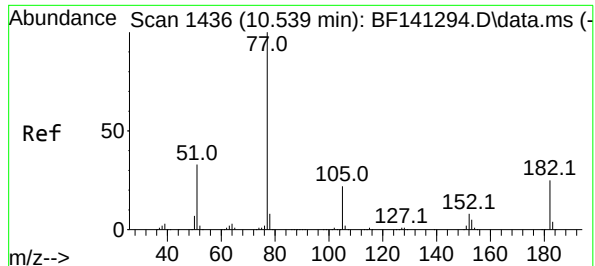


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



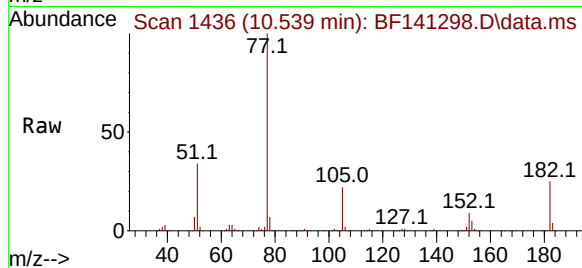
Tgt Ion:138 Resp: 159227
Ion Ratio Lower Upper
138 100
92 49.5 30.1 70.1
108 71.9 53.1 93.1





#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

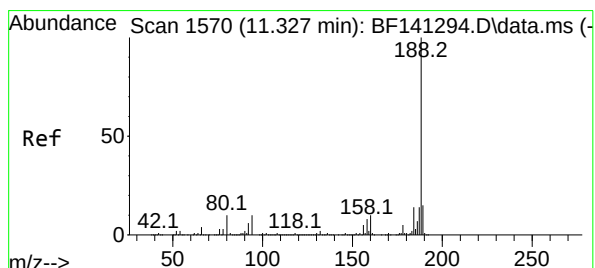
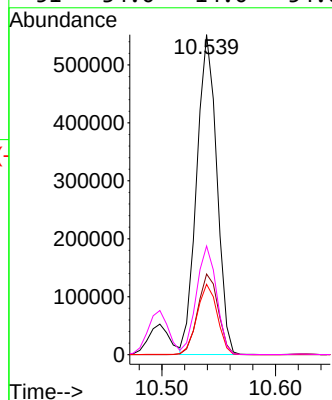
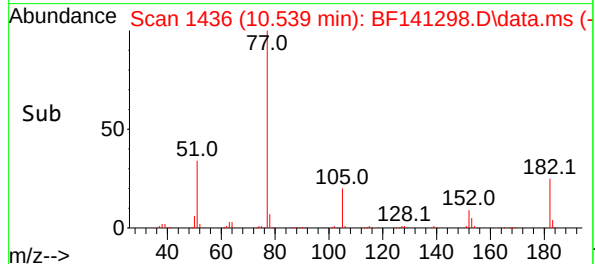
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 77 Resp: 67890
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.0 1.8 41.8
51 34.0 14.0 54.0

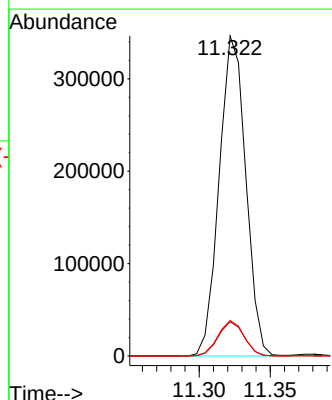
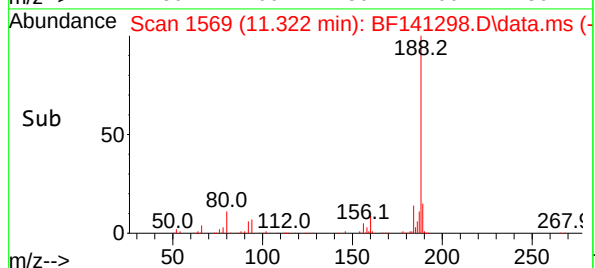
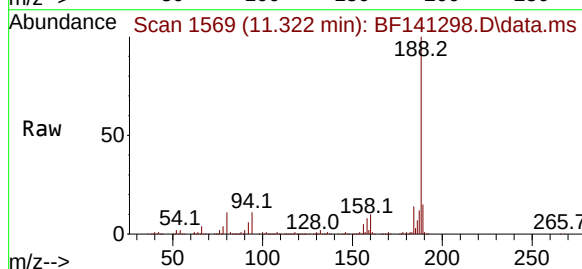
Manual Integrations
APPROVED

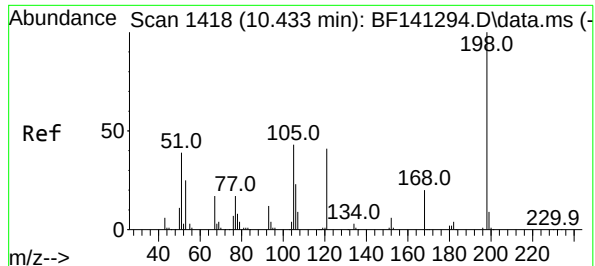
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

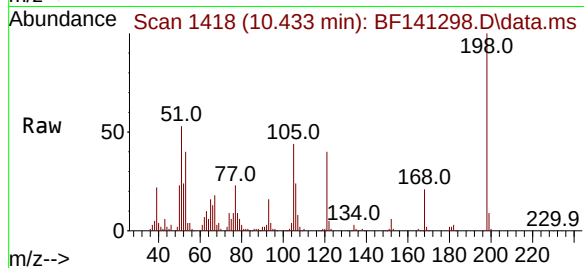
Tgt Ion:188 Resp: 450291
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.1 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

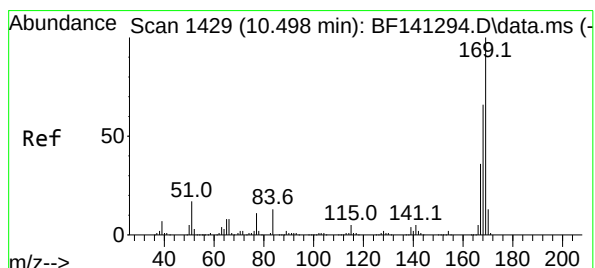
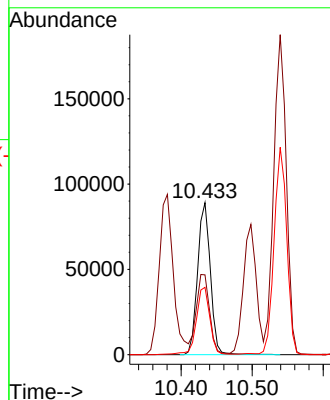
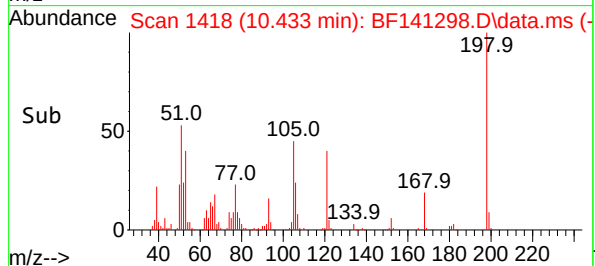
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:198 Resp: 111635
Ion Ratio Lower Upper
198 100
51 52.5 33.4 73.4
105 44.4 24.4 64.4

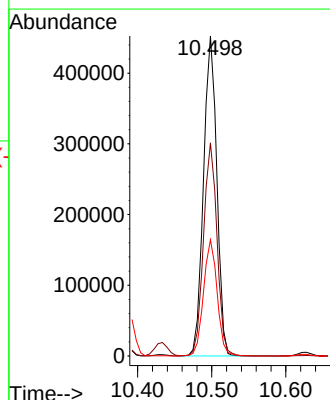
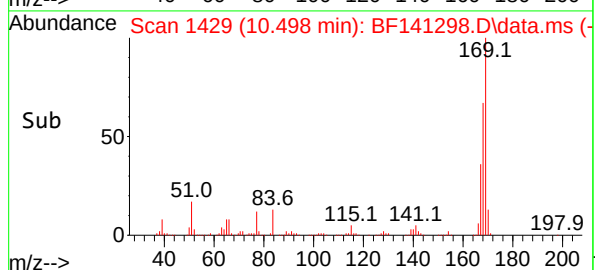
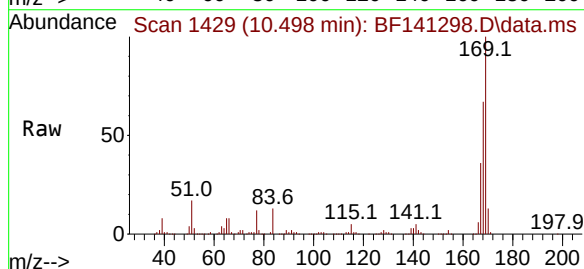
Manual Integrations
APPROVED

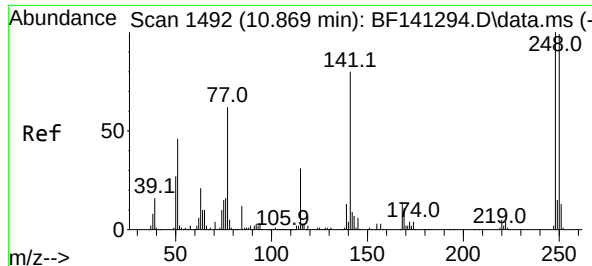
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

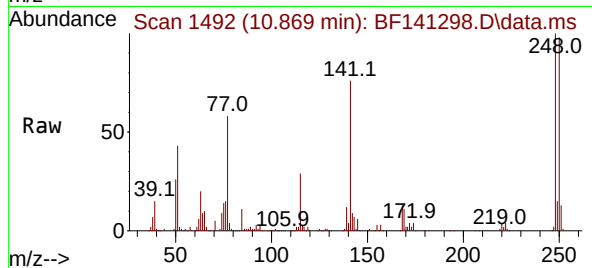
Tgt Ion:169 Resp: 564452
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

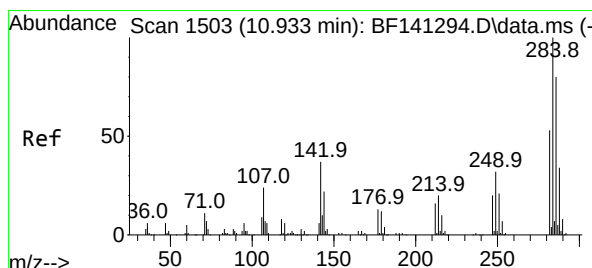
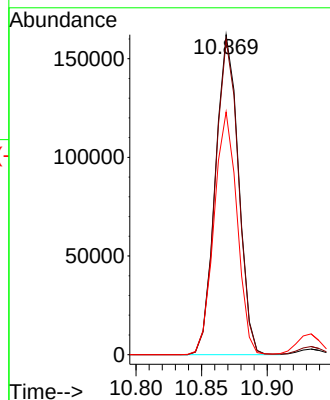
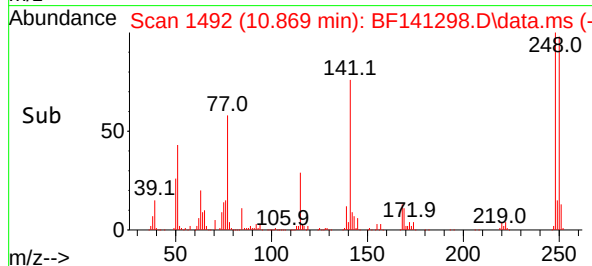
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



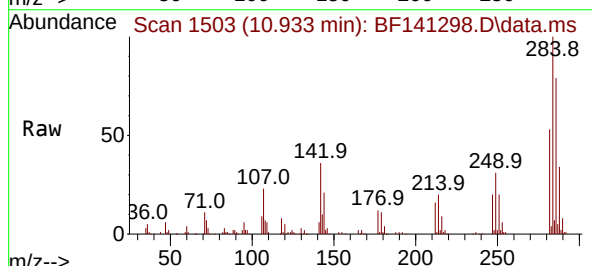
Tgt Ion:248 Resp: 199009
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.4
141 75.9 63.7 95.5

Manual Integrations
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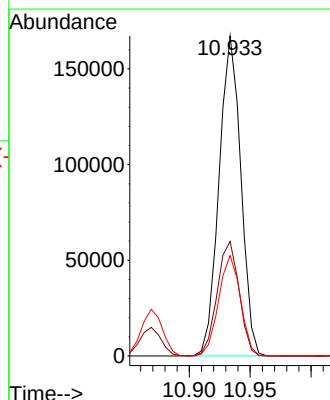
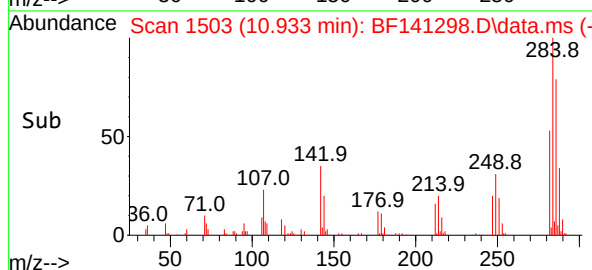
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

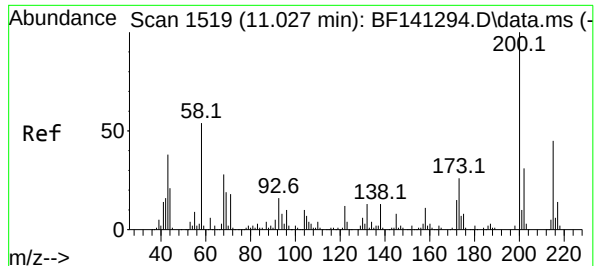


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:284 Resp: 208171
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69

Atrazine

Concen: 39.215 ng

RT: 11.028 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:200 Resp: 190958

Ion Ratio Lower Upper

200 100

173 25.7 5.9 45.9

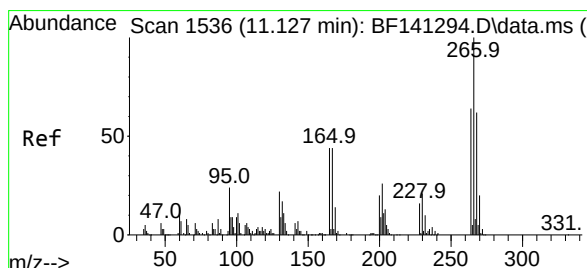
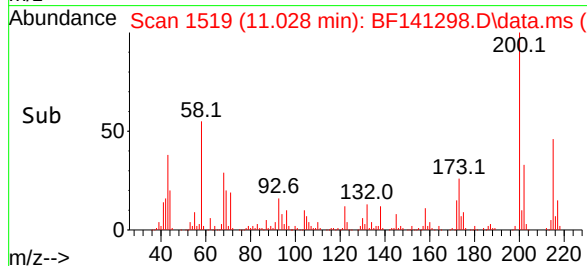
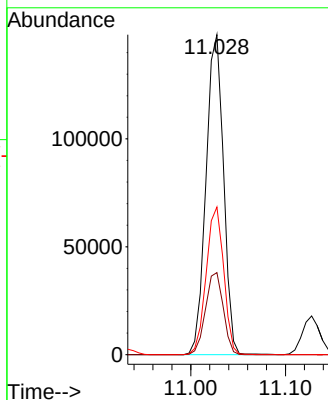
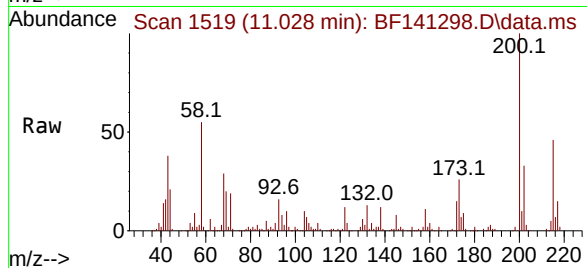
215 46.1 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 40.973 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

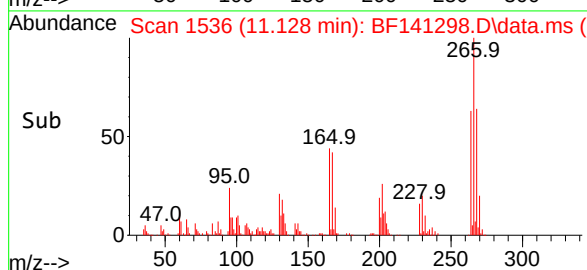
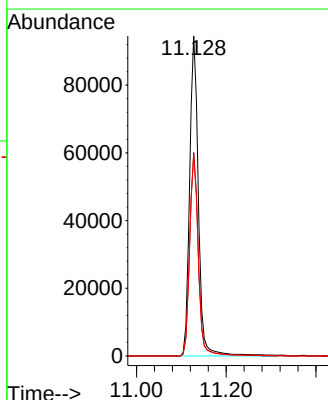
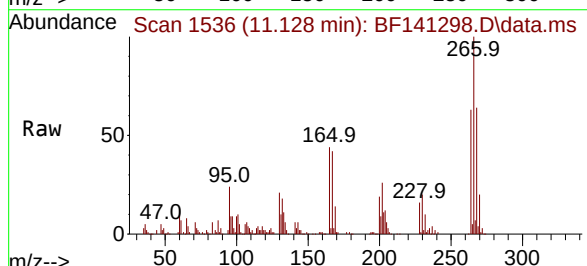
Tgt Ion:266 Resp: 128300

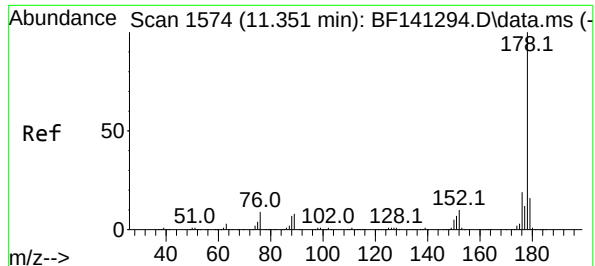
Ion Ratio Lower Upper

266 100

268 63.6 49.9 74.9

264 63.0 51.0 76.4





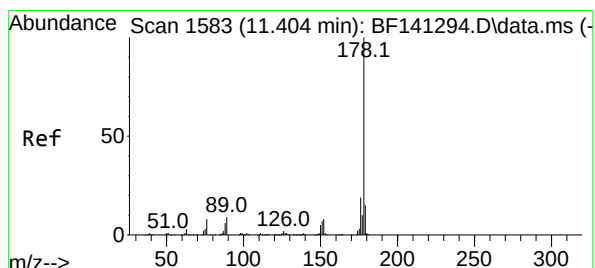
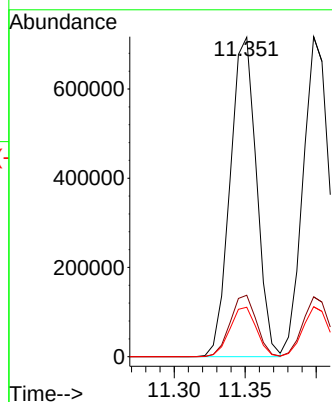
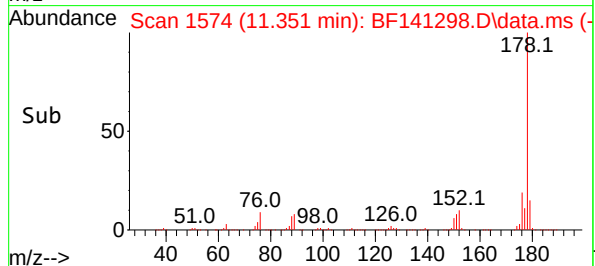
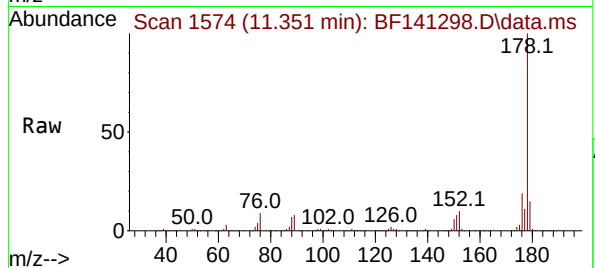
#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:178 Resp: 922625
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.5 12.5 18.7

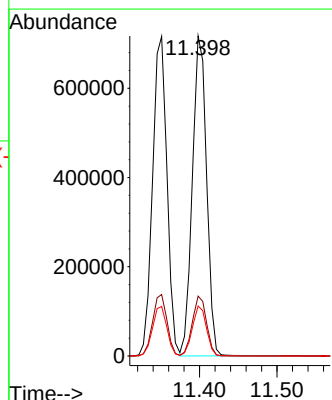
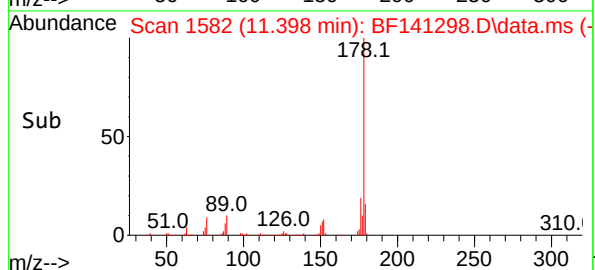
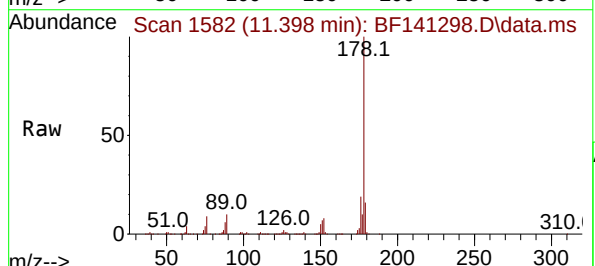
Manual Integrations
APPROVED

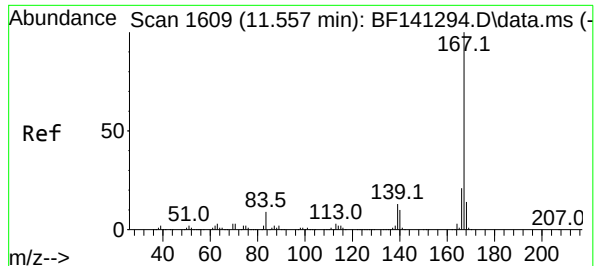
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

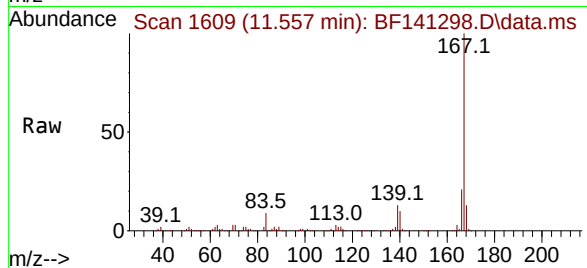
Tgt Ion:178 Resp: 912703
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

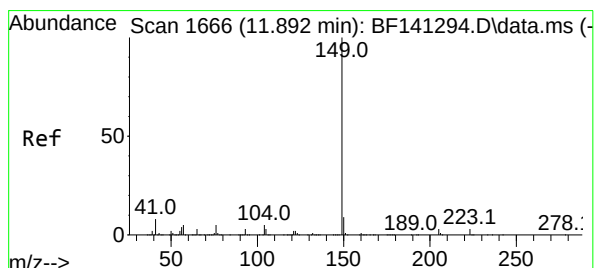
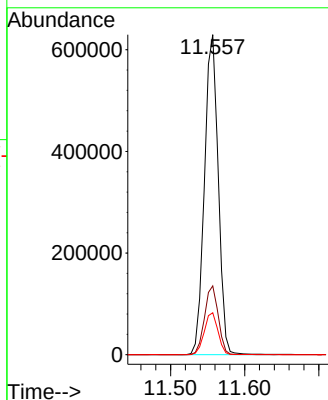
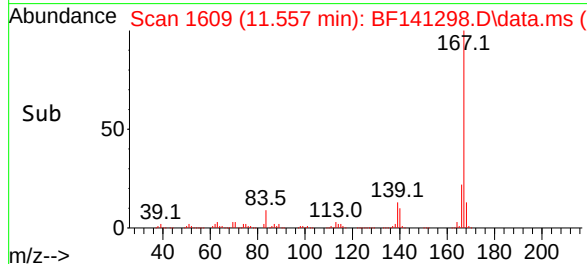
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



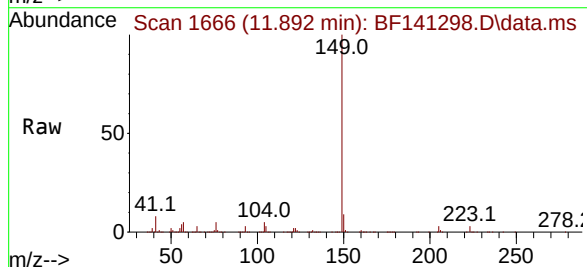
Tgt Ion:167 Resp: 813030
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.1 10.6 16.0

Manual Integrations
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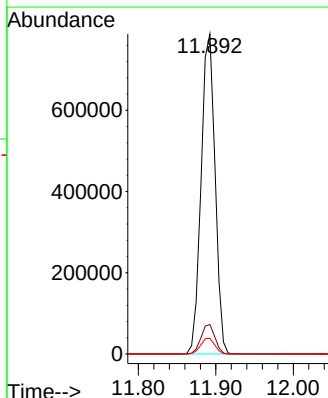
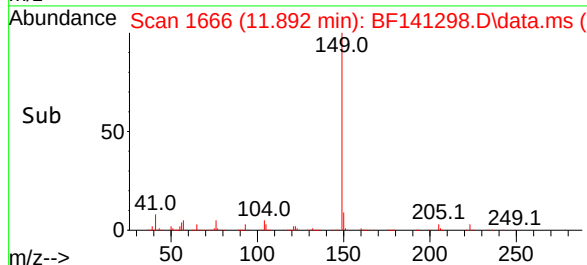
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

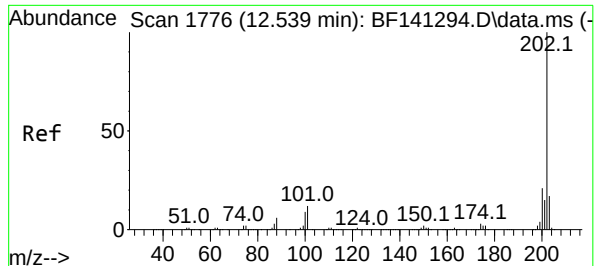


#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



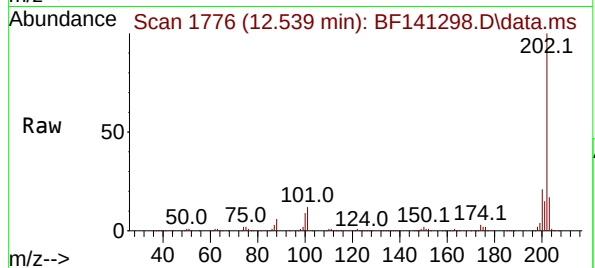
Tgt Ion:149 Resp: 984759
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

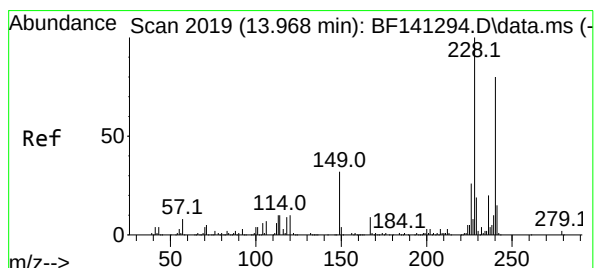
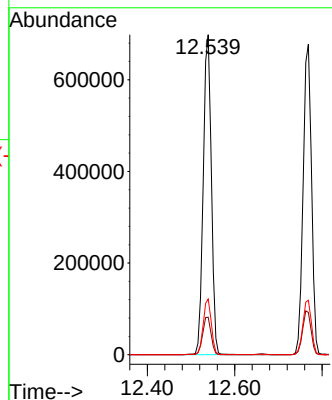
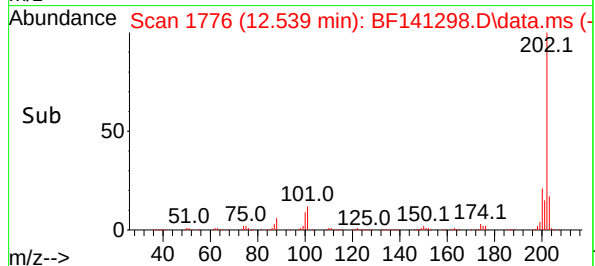
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



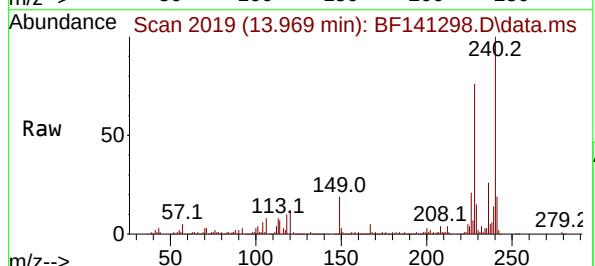
Tgt Ion:202 Resp: 90263
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.5

Manual Integrations
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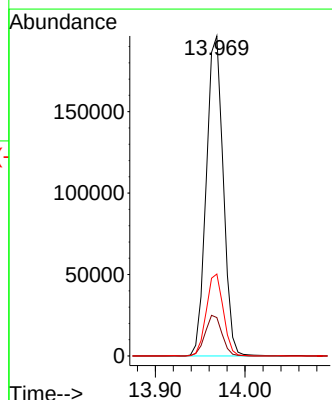
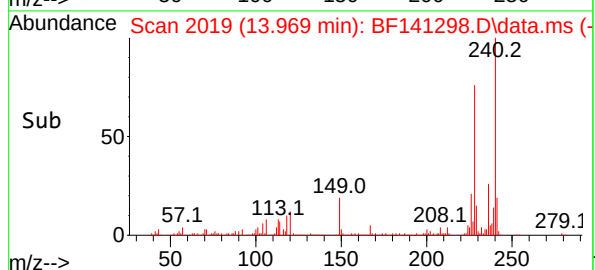
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

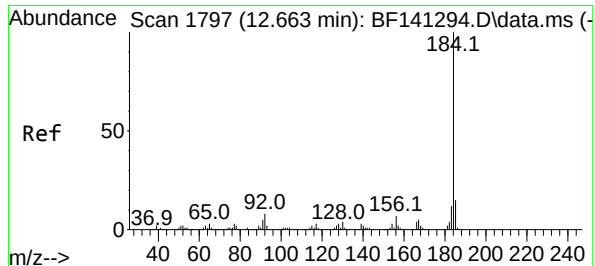


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



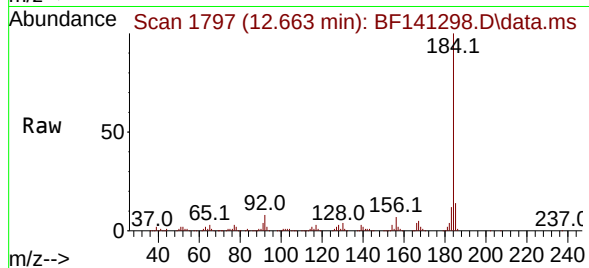
Tgt Ion:240 Resp: 257177
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

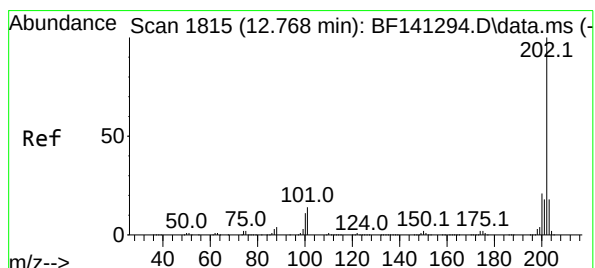
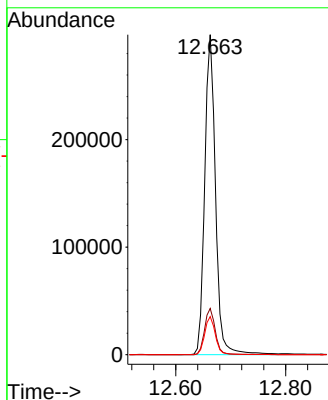
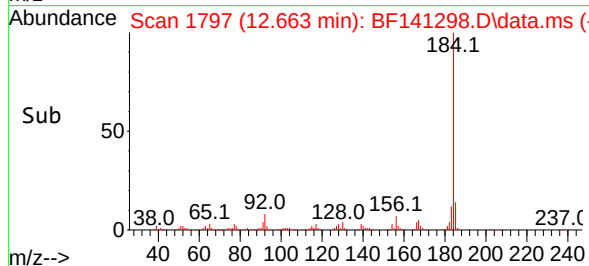
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



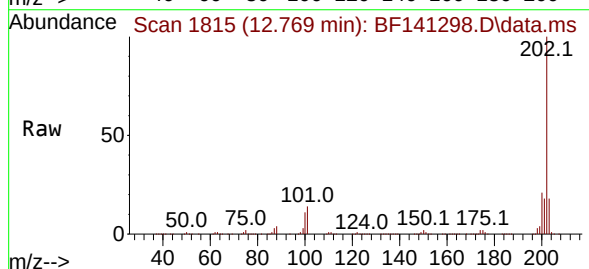
Tgt Ion:184 Resp: 40516
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.9 9.5 14.3

Manual Integrations
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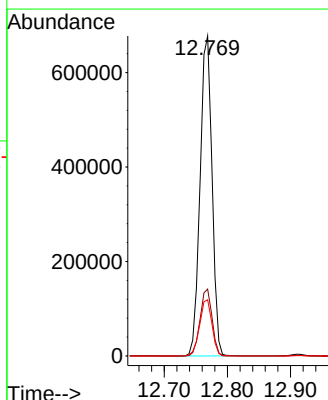
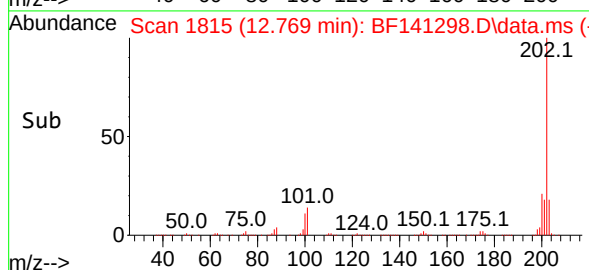
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

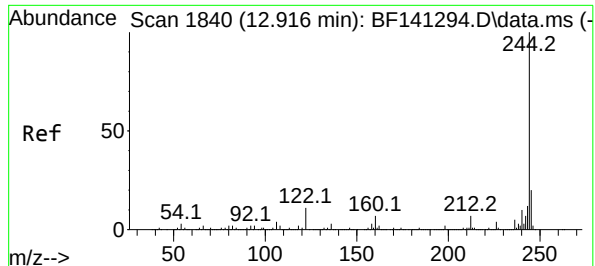


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:202 Resp: 894269
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 72.460 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:244 Resp: 1208358

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

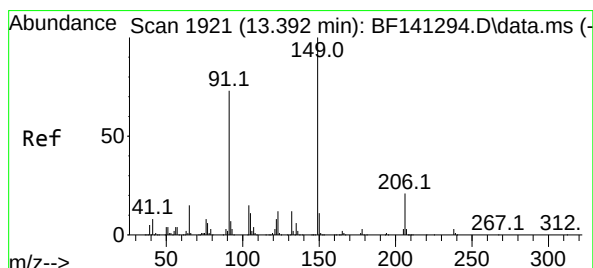
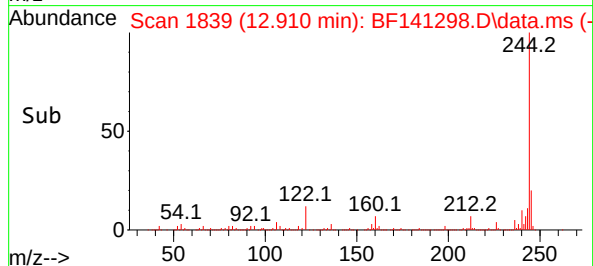
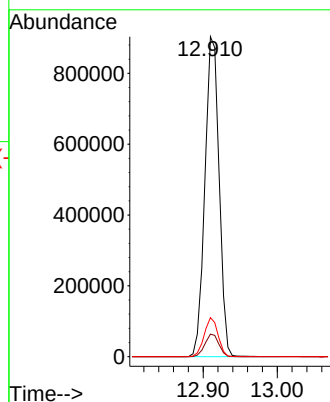
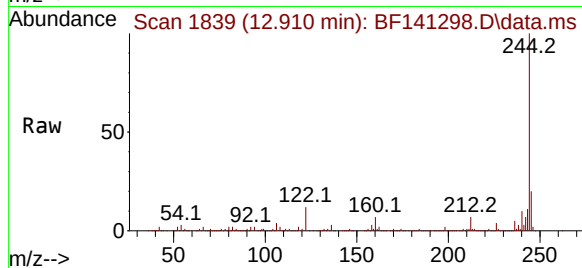
122 12.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

Concen: 37.660 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

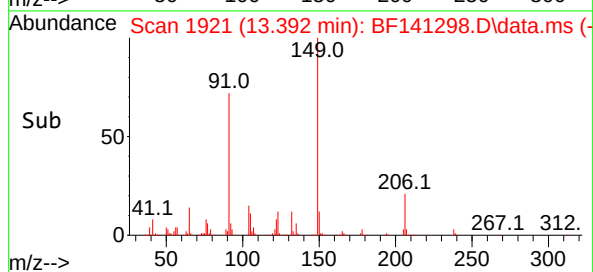
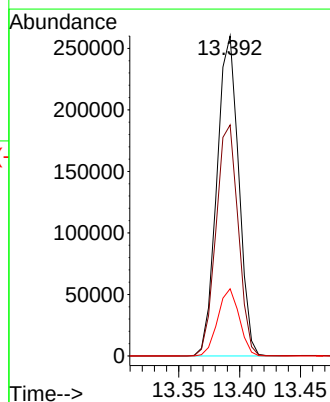
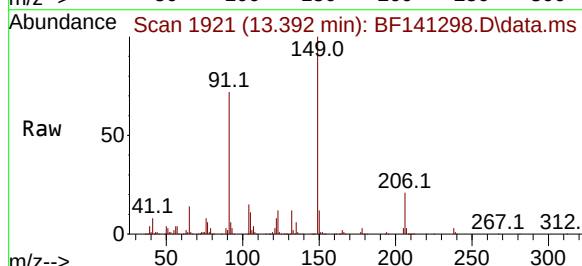
Tgt Ion:149 Resp: 324793

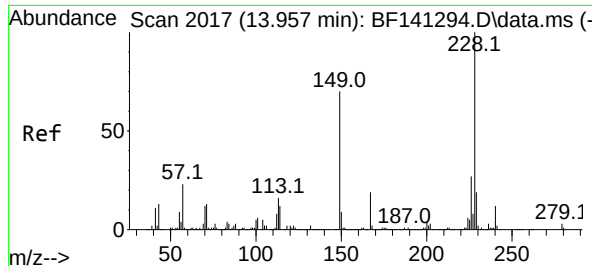
Ion Ratio Lower Upper

149 100

91 72.2 58.6 87.8

206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 35.587 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141298.D

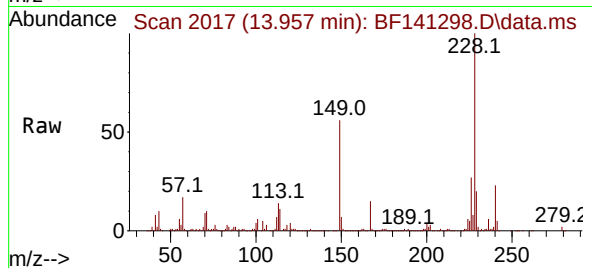
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:228 Resp: 631550

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

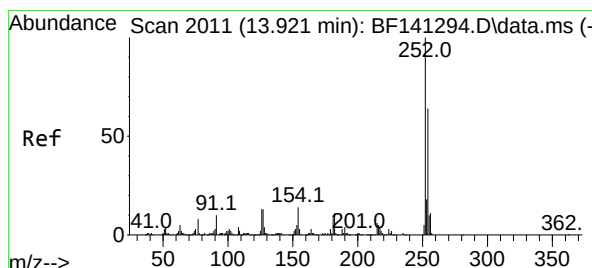
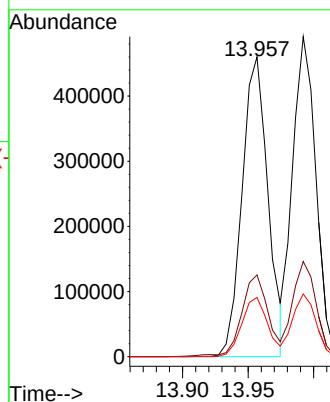
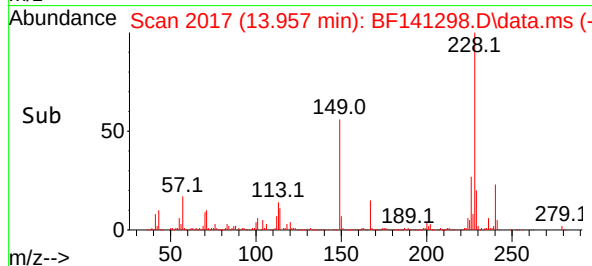
229 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#82

3,3'-Dichlorobenzidine

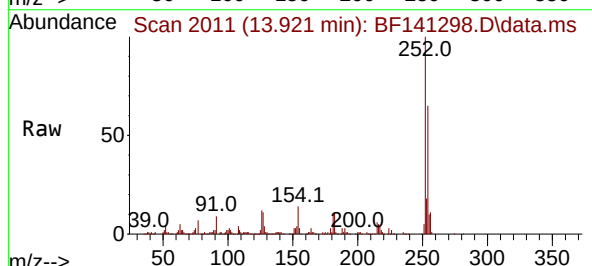
Concen: 38.774 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



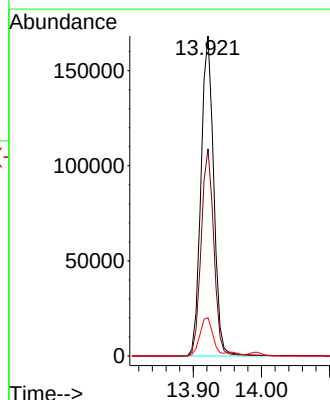
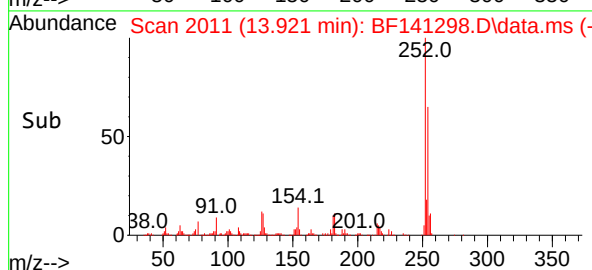
Tgt Ion:252 Resp: 218850

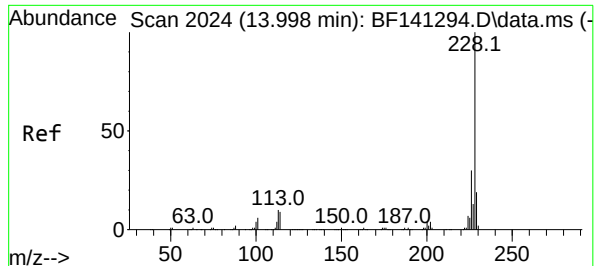
Ion Ratio Lower Upper

252 100

254 64.7 51.3 76.9

126 12.0 10.0 15.0





#83

Chrysene

Concen: 37.508 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:228 Resp: 610038

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

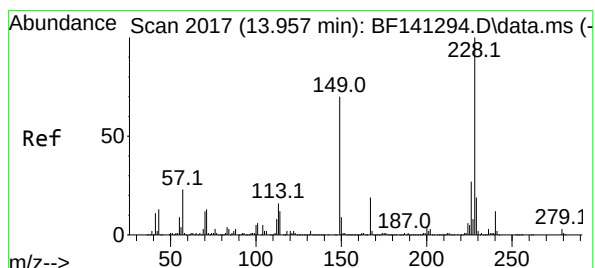
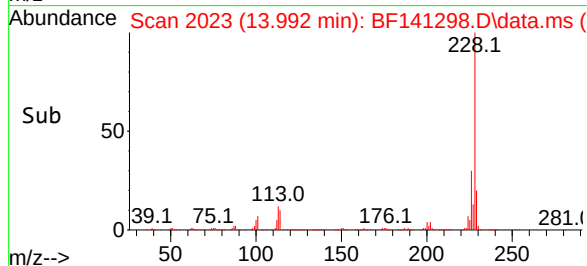
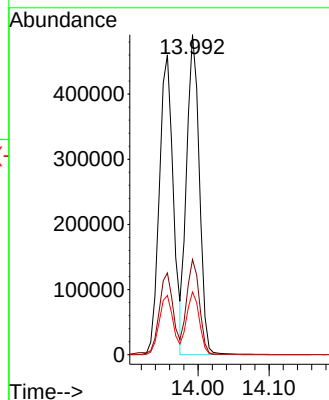
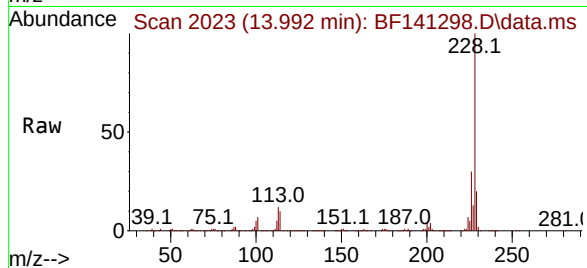
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 36.620 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

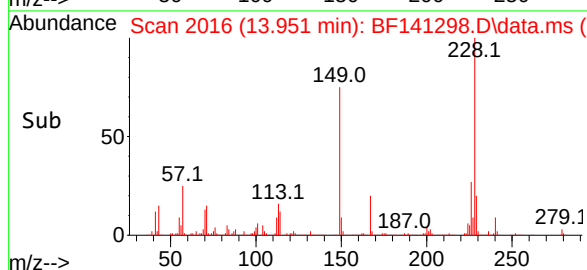
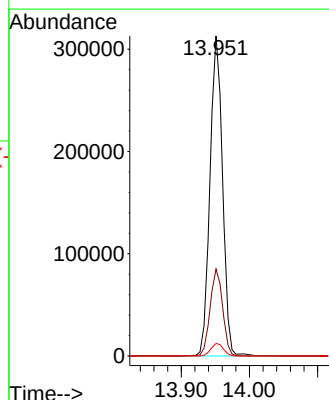
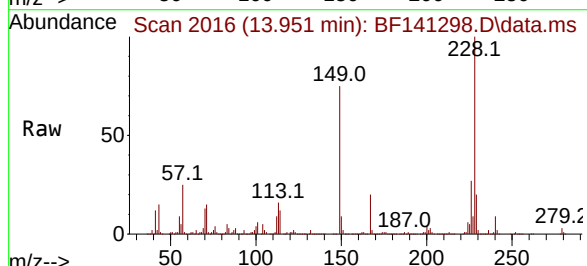
Tgt Ion:149 Resp: 400642

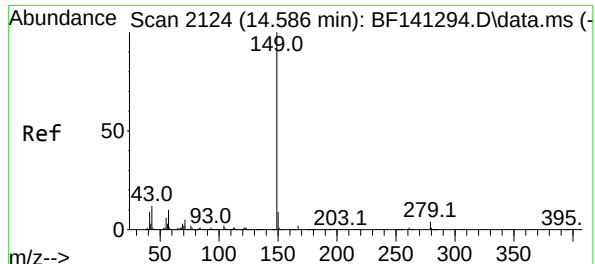
Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.8

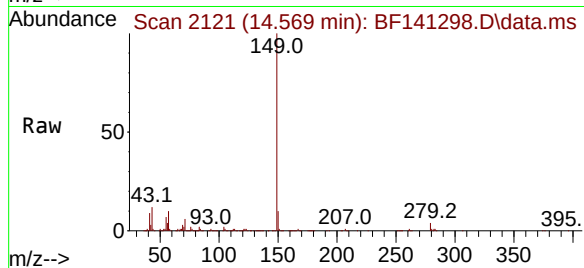
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

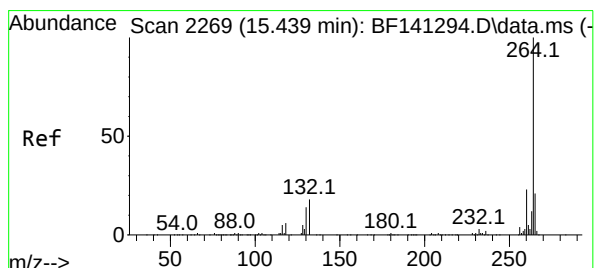
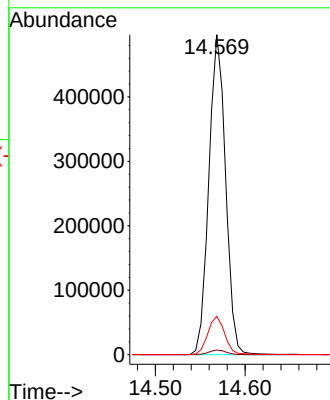
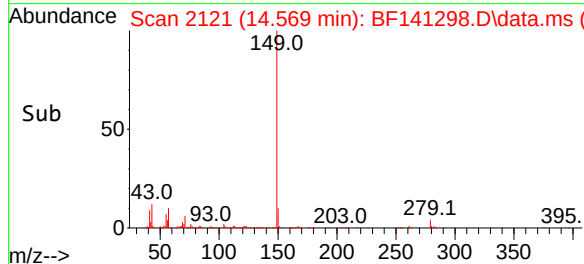
Instrument :
BNA_F
Client Sample Id :
ICVBF012925



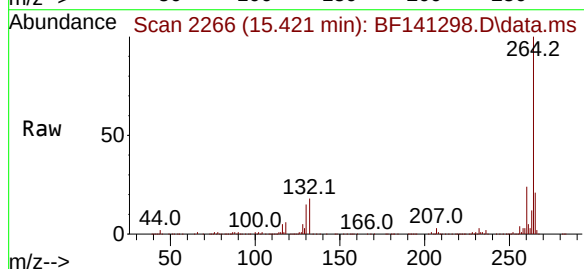
Tgt Ion:149 Resp: 642439
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.8 14.8

Manual Integrations
APPROVED

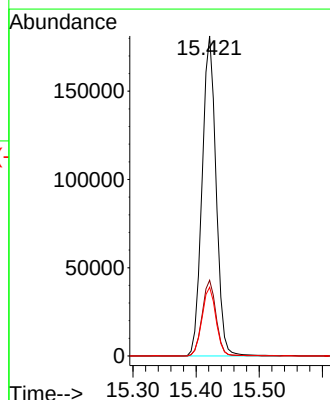
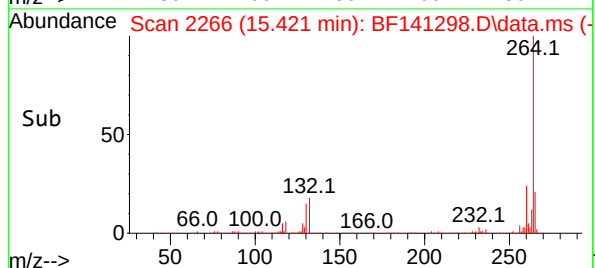
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

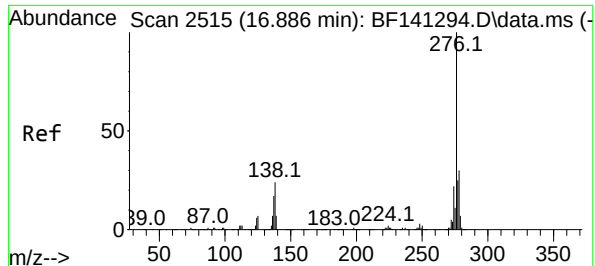


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:264 Resp: 279455
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.626 ng

RT: 16.868 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:276 Resp: 67865

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

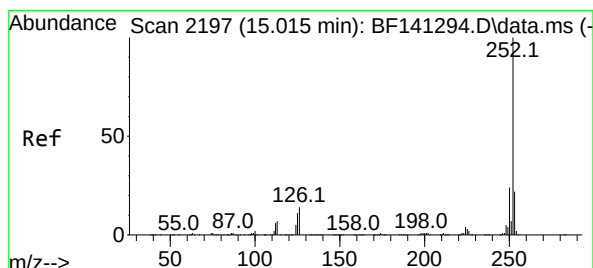
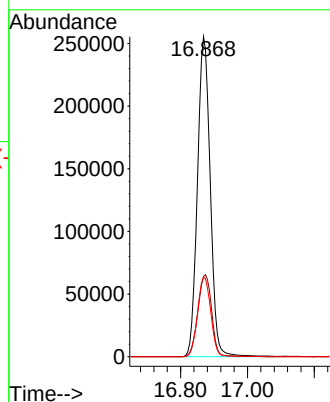
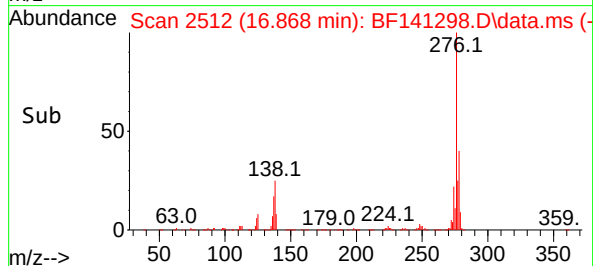
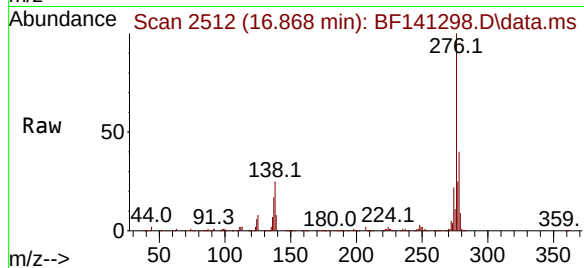
277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 38.861 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

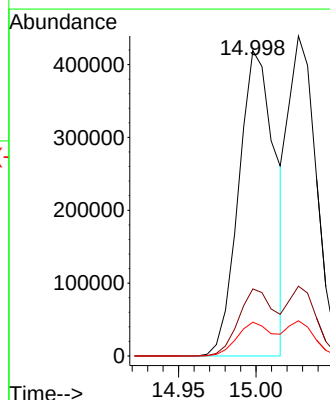
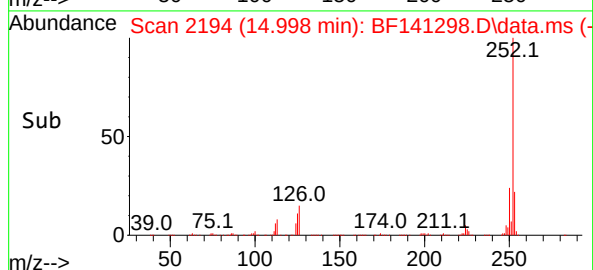
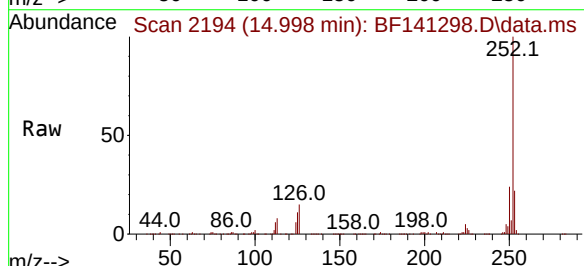
Tgt Ion:252 Resp: 683111

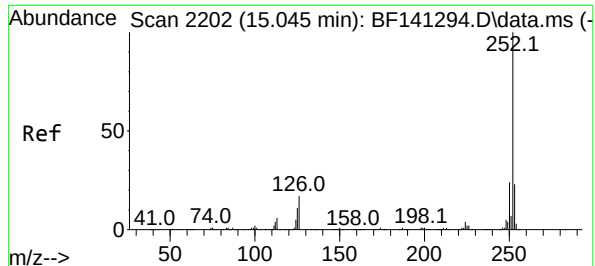
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 35.766 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:252 Resp: 556960

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

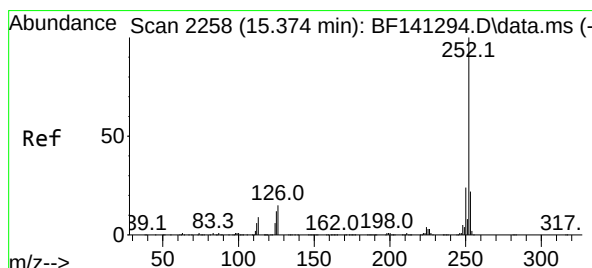
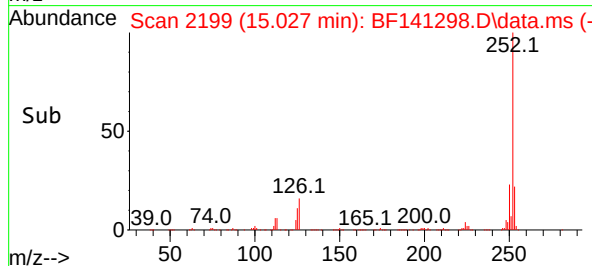
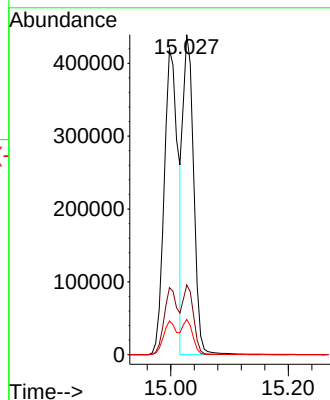
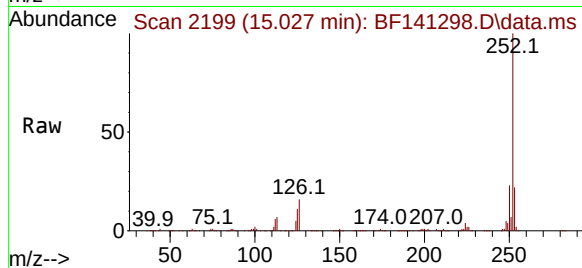
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 38.209 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

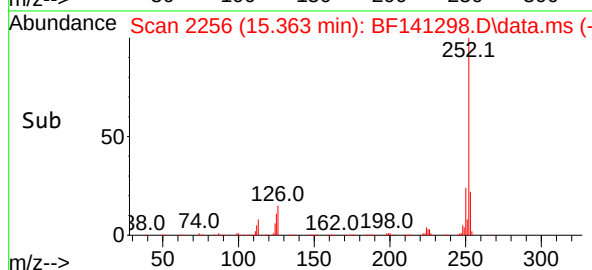
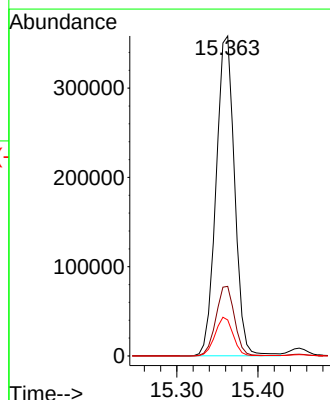
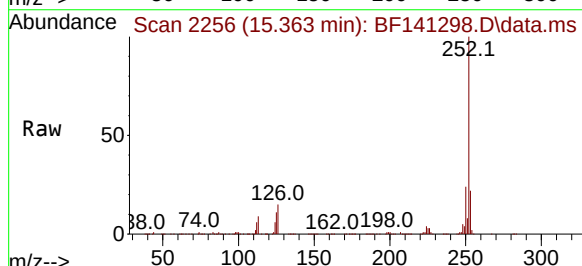
Tgt Ion:252 Resp: 567574

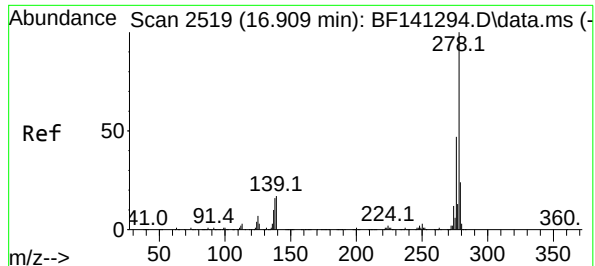
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

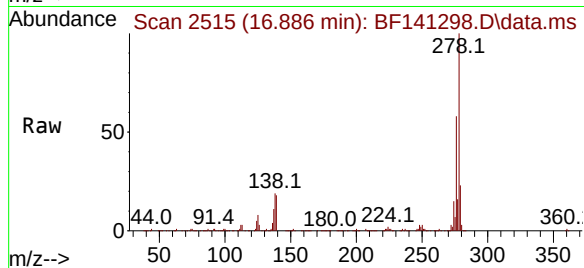
125 11.2 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

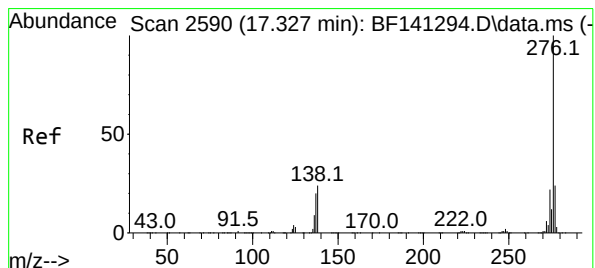
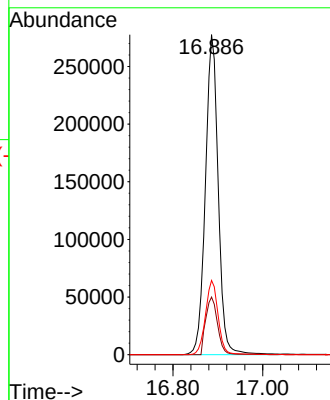
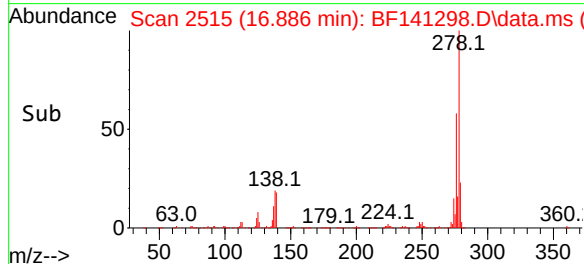
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



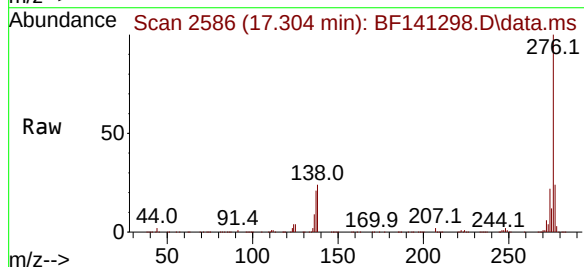
Tgt Ion:278 Resp: 551534
Ion Ratio Lower Upper
278 100
139 18.0 13.9 20.9
279 23.2 18.8 28.2

Manual Integrations
APPROVED

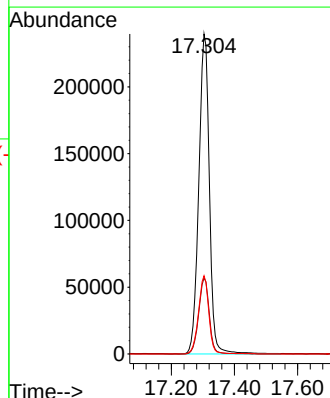
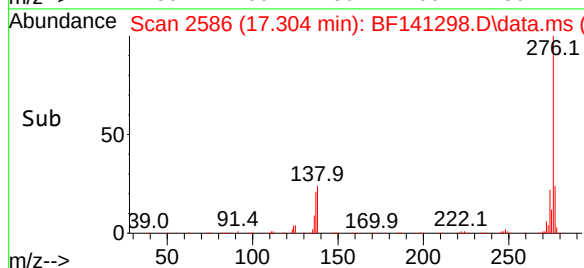
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:276 Resp: 559807
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 24.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	98	0.00
2	1,4-Dioxane	0.573	0.534	6.8	97	0.00
3	Pyridine	1.380	1.326	3.9	98	-0.01
4	n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5 S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6	Aniline	1.403	1.383	1.4	99	0.00
7 S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8	2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9	Benzaldehyde	0.960	0.887	7.6	97	0.00
10 C	Phenol	1.757	1.664	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12	1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13 C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14	1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15	Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17	2-Methylphenol	1.135	1.037	8.6	97	0.00
18	Hexachloroethane	0.571	0.543	4.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20	3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.475	0.436	8.2	99	0.00
23 S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24	Nitrobenzene	0.393	0.373	5.1	99	-0.01
25	Isophorone	0.656	0.614	6.4	99	0.00
26 C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27	2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30	1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31	Naphthalene	1.057	0.981	7.2	99	0.00
32	Benzoic acid	0.217	0.225	-3.7	101	-0.04
33	4-Chloroaniline	0.358	0.333	7.0	97	0.00
34 C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35	Caprolactam	0.094	0.089	5.3	99	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37	2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38	1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42 S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44	2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45 S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46	1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47	2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.363	5.0	99	0.00
49	Acenaphthylene	1.702	1.592	6.5	99	0.00
50	Dimethylphthalate	1.351	1.246	7.8	99	0.00
51	2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52 C	Acenaphthene	1.216	1.131	7.0	99	0.00
53	3-Nitroaniline	0.307	0.293	4.6	96	0.00
54 P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55	Dibenzofuran	1.627	1.506	7.4	98	0.00
56 P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57	2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58	Fluorene	1.262	1.150	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60	Diethylphthalate	1.310	1.222	6.7	99	0.00
61	4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62	4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63	Azobenzene	1.311	1.213	7.5	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67	4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69	Atrazine	0.216	0.212	1.9	98	0.00
70 C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71	Phenanthrene	1.075	1.024	4.7	98	0.00
72	Anthracene	1.053	1.013	3.8	99	0.00
73	Carbazole	0.934	0.903	3.3	99	0.00
74	Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75 C	Fluoranthene	1.062	1.002	5.6	97	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77	Benzidine	0.641	0.788	-22.9	106	0.00
78	Pyrene	1.920	1.739	9.4	98	0.00
79 S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80	Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81	Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82	3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83	Chrysene	1.265	1.186	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85 c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88	Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89	Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90 C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91	Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92	Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	98	0.00
2	1,4-Dioxane	40.000	37.296	6.8	97	0.00
3	Pyridine	40.000	38.413	4.0	98	-0.01
4	n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5 S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6	Aniline	40.000	39.437	1.4	99	0.00
7 S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8	2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9	Benzaldehyde	40.000	36.965	7.6	97	0.00
10 C	Phenol	40.000	37.888	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12	1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13 C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14	1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15	Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17	2-Methylphenol	40.000	36.544	8.6	97	0.00
18	Hexachloroethane	40.000	38.094	4.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20	3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	36.717	8.2	99	0.00
23 S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24	Nitrobenzene	40.000	37.927	5.2	99	-0.01
25	Isophorone	40.000	37.439	6.4	99	0.00
26 C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27	2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29 C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30	1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31	Naphthalene	40.000	37.128	7.2	99	0.00
32	Benzoic acid	40.000	41.534	-3.8	101	-0.04
33	4-Chloroaniline	40.000	37.214	7.0	97	0.00
34 C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35	Caprolactam	40.000	37.662	5.8	99	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37	2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38	1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44	2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46	1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47	2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	37.970	5.1	99	0.00
49	Acenaphthylene	40.000	37.416	6.5	99	0.00
50	Dimethylphthalate	40.000	36.904	7.7	99	0.00
51	2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52 C	Acenaphthene	40.000	37.206	7.0	99	0.00
53	3-Nitroaniline	40.000	38.150	4.6	96	0.00
54 P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55	Dibenzofuran	40.000	37.012	7.5	98	0.00
56 P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57	2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58	Fluorene	40.000	36.451	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60	Diethylphthalate	40.000	37.316	6.7	99	0.00
61	4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62	4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63	Azobenzene	40.000	37.020	7.4	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67	4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68	Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69	Atrazine	40.000	39.215	2.0	98	0.00
70 C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71	Phenanthrene	40.000	38.117	4.7	98	0.00
72	Anthracene	40.000	38.484	3.8	99	0.00
73	Carbazole	40.000	38.661	3.3	99	0.00
74	Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75 C	Fluoranthene	40.000	37.768	5.6	97	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77	Benzydine	40.000	49.142	-22.9	106	0.00
78	Pyrene	40.000	36.225	9.4	98	0.00
79 S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80	Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81	Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82	3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83	Chrysene	40.000	37.508	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85 c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88	Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89	Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90 C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91	Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92	Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF141479.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73	
3) Pyridine	1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79	
4) n-Nitrosodimet...	0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83	
5) S 2-Fluorophenol	1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77	
6) Aniline	1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42	
7) S Phenol-d6	1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13	
8) 2-Chlorophenol	1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38	
9) Benzaldehyde	0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92	
10) C Phenol	1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42	
11) bis(2-Chloroet...	1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59	
12) 1,3-Dichlorobe...	1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95	
13) C 1,4-Dichlorobe...	1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59	
14) 1,2-Dichlorobe...	1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55	
15) Benzyl Alcohol	1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19	
16) 2,2'-oxybis(1-...	2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45	
17) 2-Methylphenol	1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15	
18) Hexachloroethane	0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59	
19) P n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20) 3+4-Methylphenols	1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52	
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35	
23) S Nitrobenzene-d5	0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58	
24) Nitrobenzene	0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29	
25) Isophorone	0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04	
26) C 2-Nitrophenol	0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91	
27) 2,4-Dimethylph...	0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46	
28) bis(2-Chloroet...	0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03	
29) C 2,4-Dichloroph...	0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95	
30) 1,2,4-Trichlor...	0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12	
31) Naphthalene	1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98	
32) Benzoic acid		0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70	
33) 4-Chloroaniline	0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82	
34) C Hexachlorobuta...	0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01	
35) Caprolactam	0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75	
36) C 4-Chloro-3-met...	0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91	
37) 2-Methylnaphth...	0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42	
38) 1-Methylnaphth...	0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020625.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41) P	Hexachlorocycl...	0.138	0.180	0.204	0.205	0.214	0.214	0.192		15.36
42) S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43) C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)	2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45) S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)	1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)	2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)	2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)	Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)	Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)	2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52) C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)	3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54) P	2,4-Dinitrophenol	0.133	0.167	0.177	0.185	0.198	0.198	0.176		13.83
55)	Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56) P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.257	0.251	0.237		10.43
57)	2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)	Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)	2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)	Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)	4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)	4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)	Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.116	0.140	0.142	0.142	0.146	0.148	0.139		8.48
66) c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)	4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)	Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)	Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70) C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)	Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)	Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)	Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)	Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75) C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)	Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79) S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)	Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)	Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)	3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)	Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)	Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85) c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06
88)	Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88
89)	Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49
90) C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41
91)	Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13
92)	Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

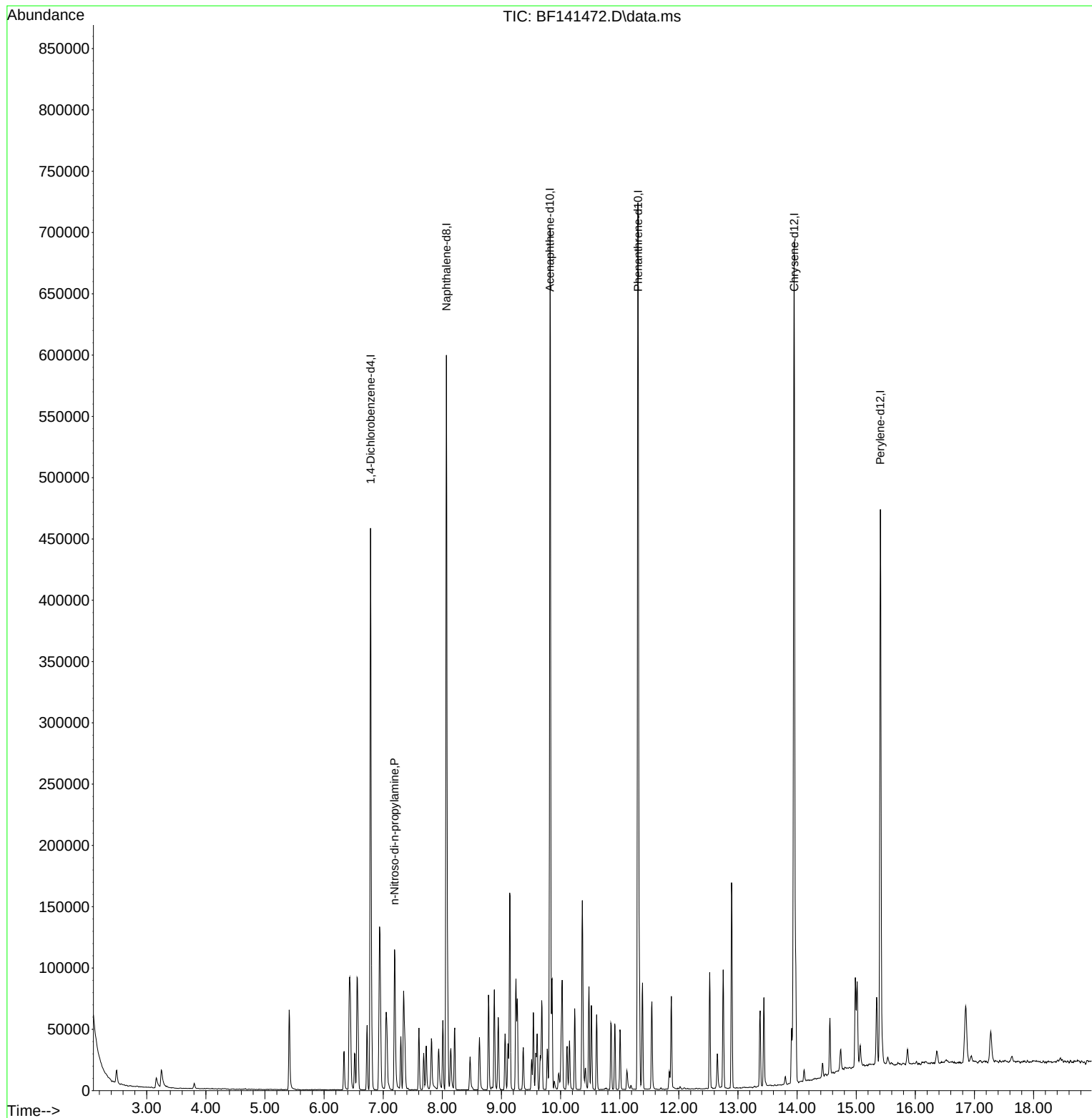
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	13.951	240	309941	20.000	ng	-0.01
86) Perylene-d12	15.410	264	259363	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...	7.192	70	10850	2.462	ng	Qvalue 92

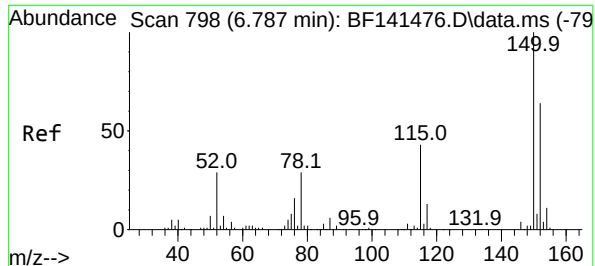
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

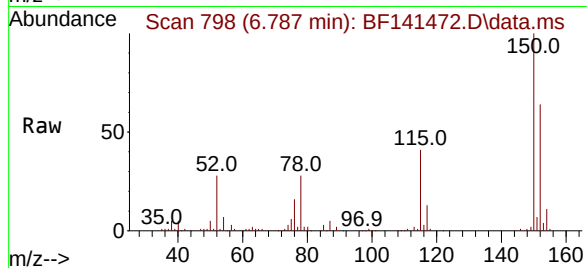
Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



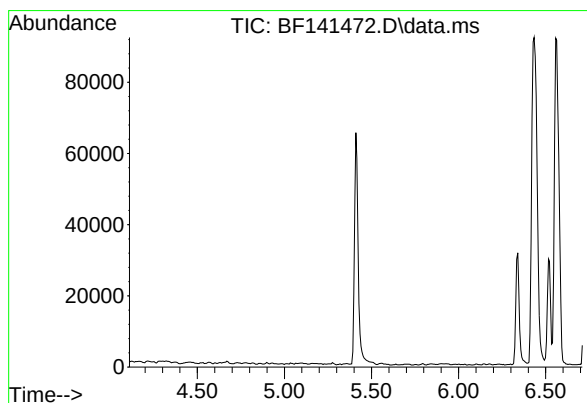
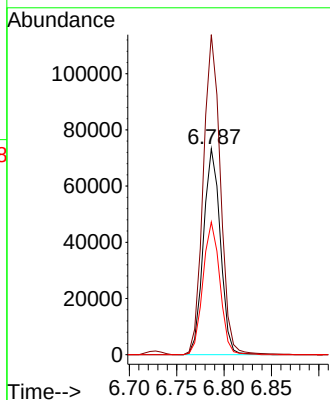
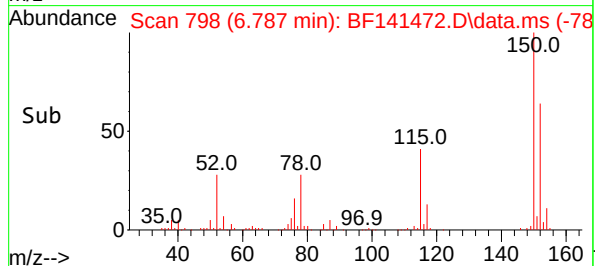


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



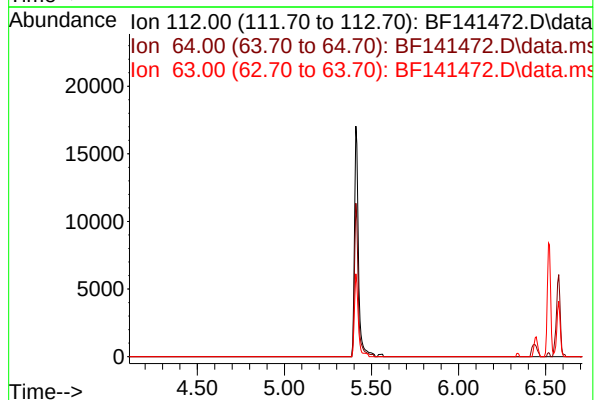
Tgt Ion:152 Resp: 91402
Ion Ratio Lower Upper
152 100
150 155.4 125.0 187.4
115 64.4 53.6 80.4

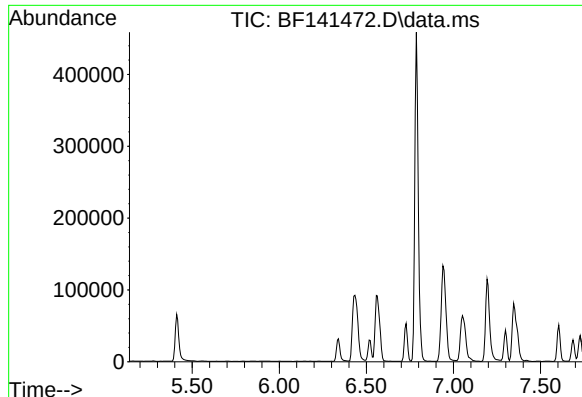


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112
Sig Exp Ratio
112 100
64 63.9
63 35.5





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.44 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

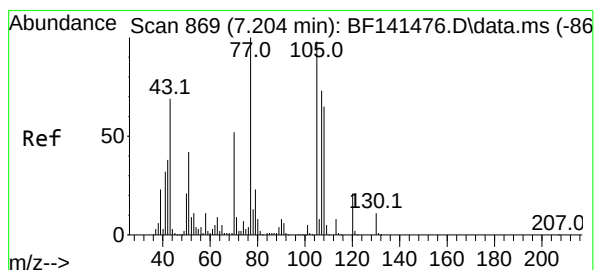
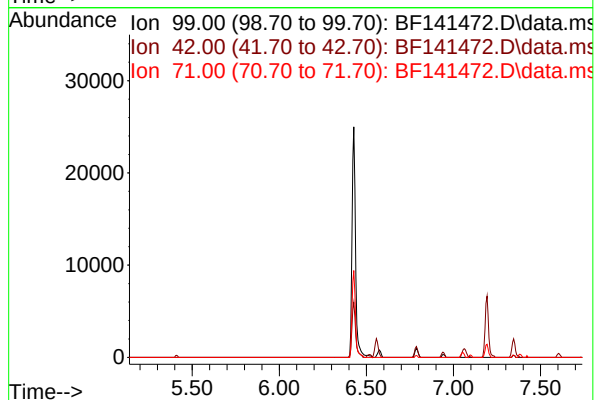
Tgt Ion: 99

Sig Exp Ratio

99 100

42 23.9

71 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 2.462 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.023 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

Tgt Ion: 70 Resp: 10850

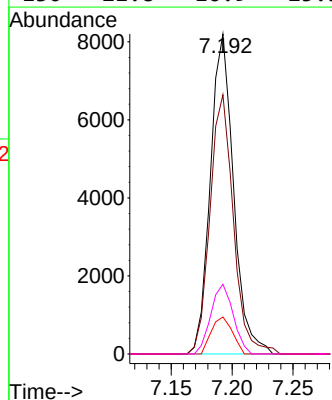
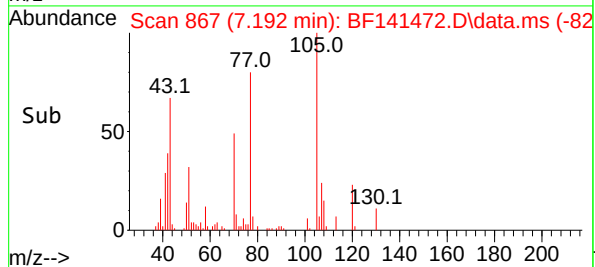
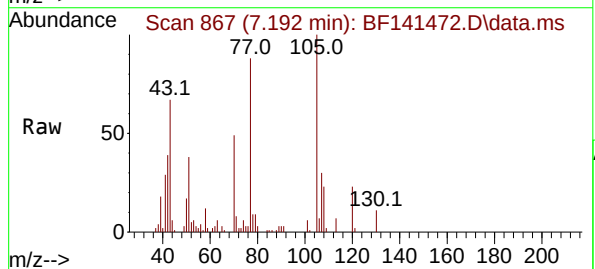
Ion Ratio Lower Upper

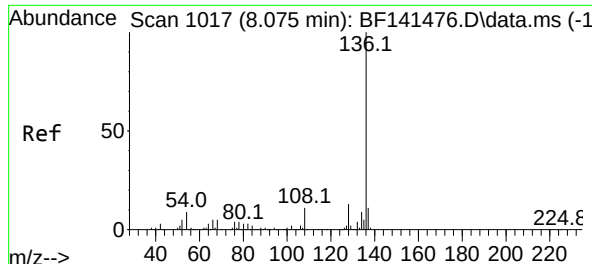
70 100

42 81.0 57.4 86.2

101 11.5 8.0 12.0

130 21.8 16.9 25.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 372084

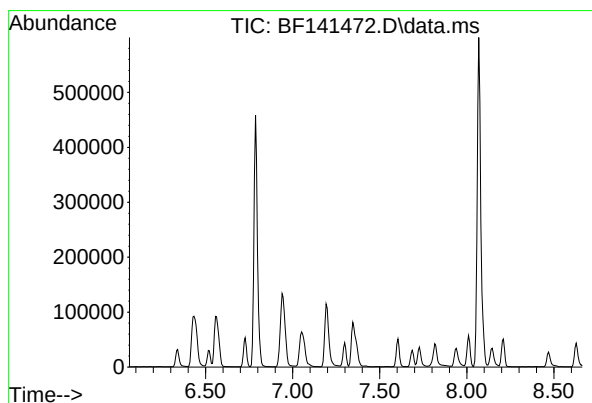
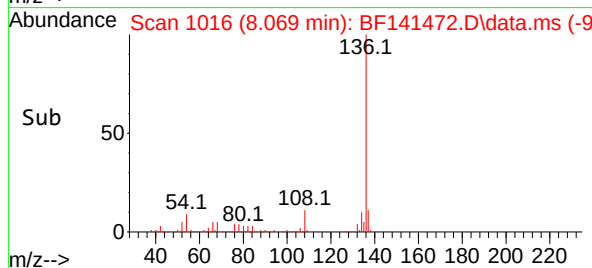
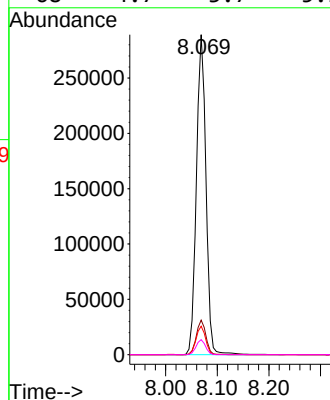
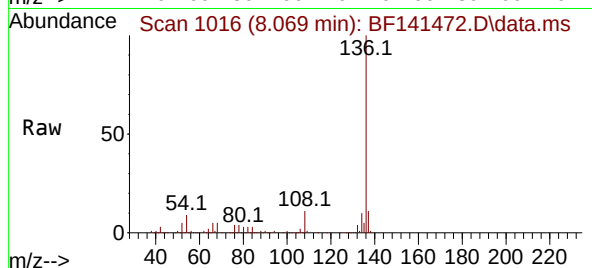
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.9 7.2 10.8

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

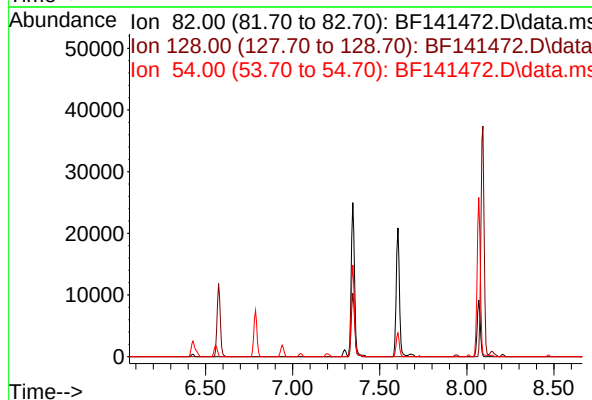
Tgt Ion: 82

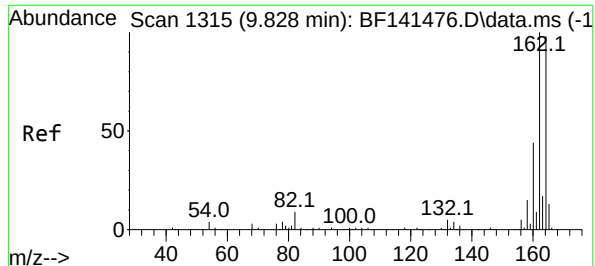
Sig Exp Ratio

82 100

128 43.5

54 60.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141472.D

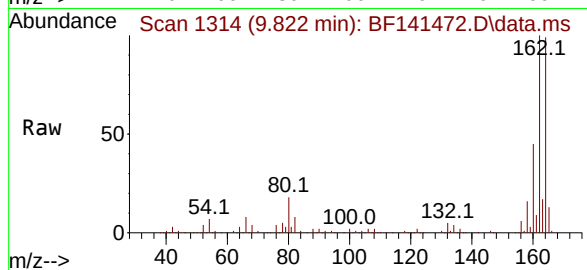
Acq: 06 Feb 2025 11:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



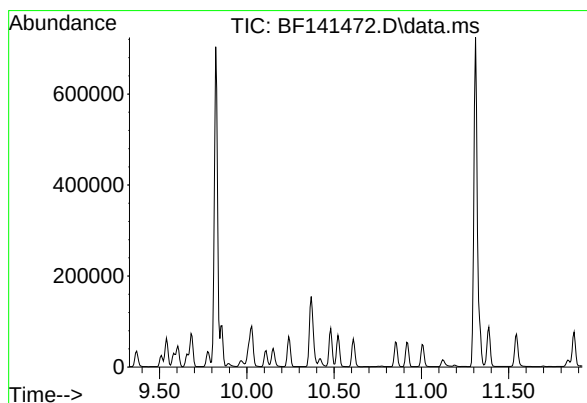
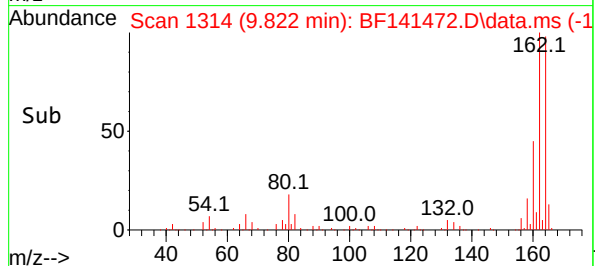
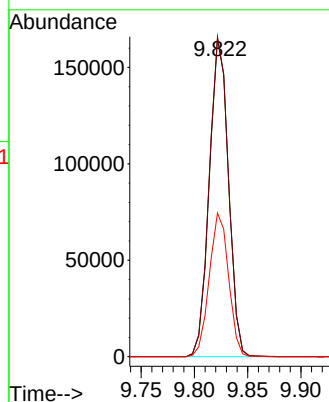
Tgt Ion:164 Resp: 206500

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

160 45.1 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.63 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

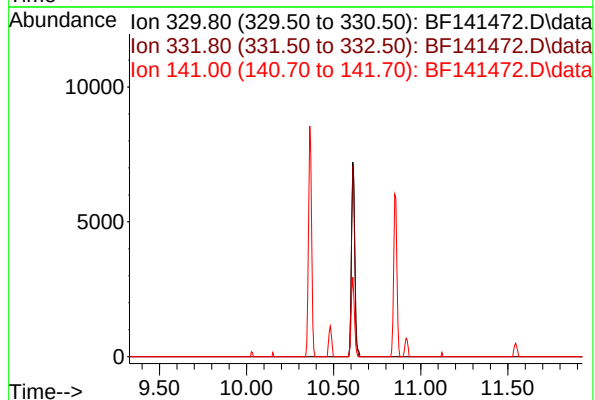
Tgt Ion: 330

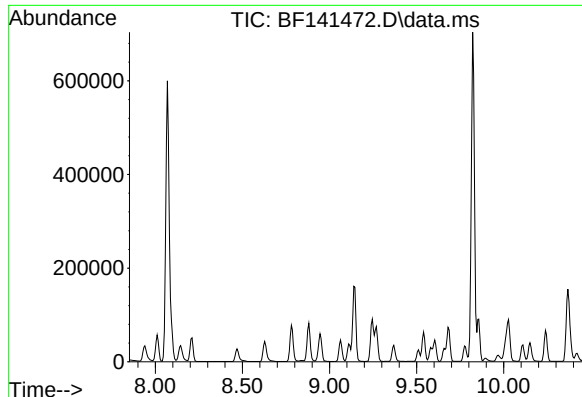
Sig Exp Ratio

330 100

332 98.1

141 38.7





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.15 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

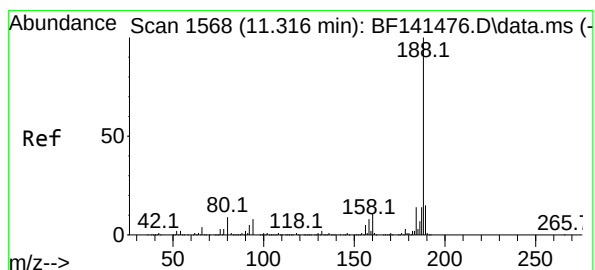
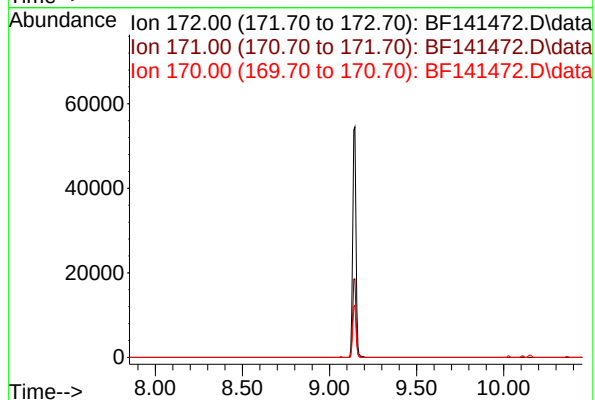
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.9

170 23.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

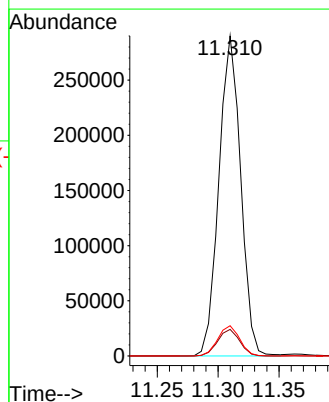
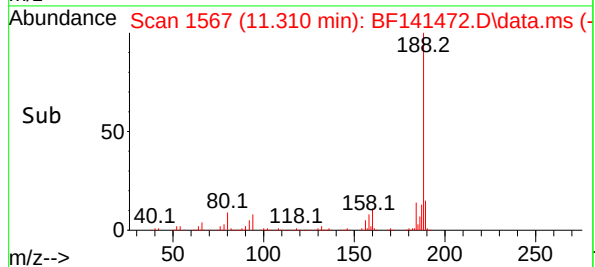
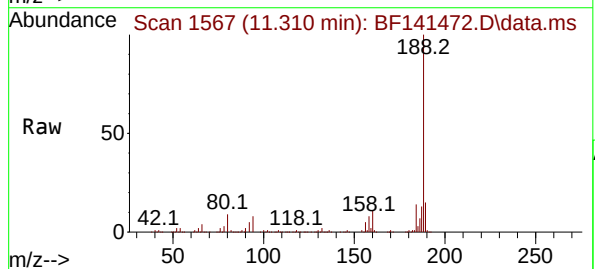
Tgt Ion: 188 Resp: 361595

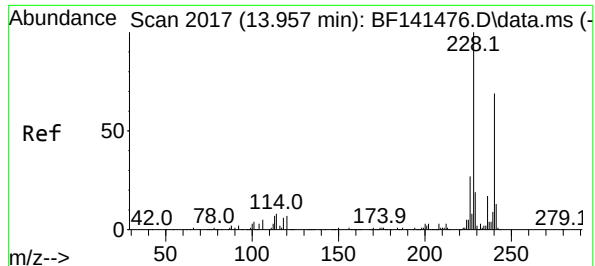
Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

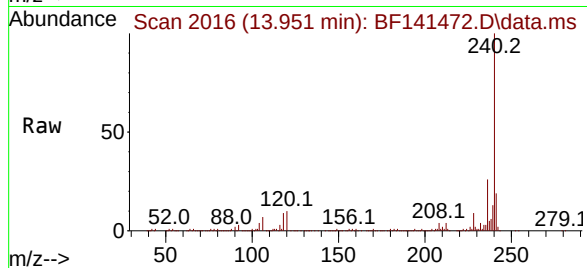
80 9.5 7.3 10.9



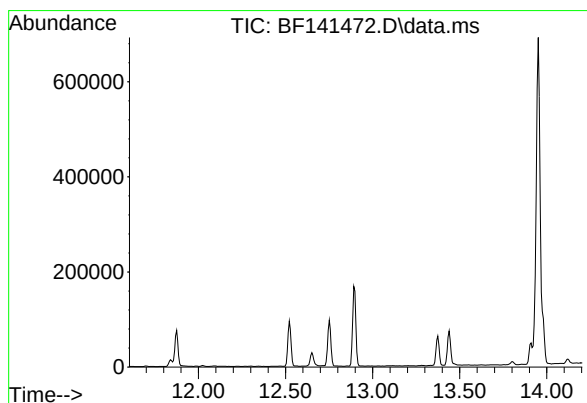
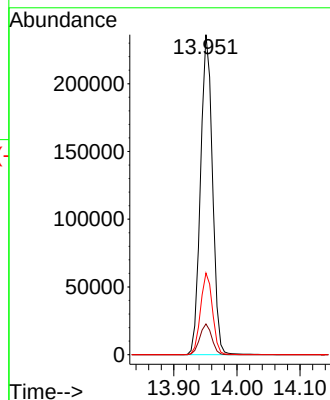
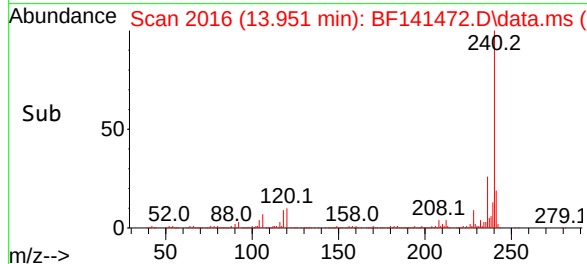


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



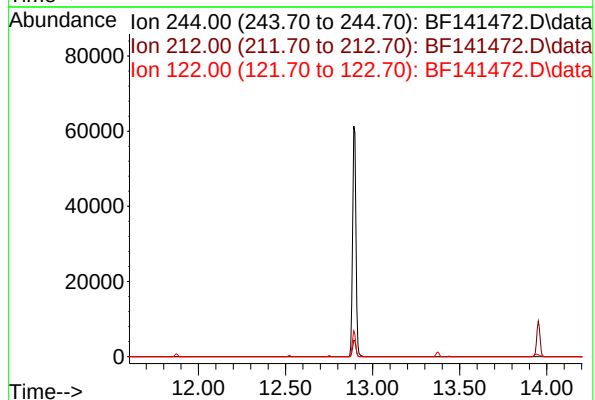
Tgt Ion: 240 Resp: 309941
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.5 19.8 29.8



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

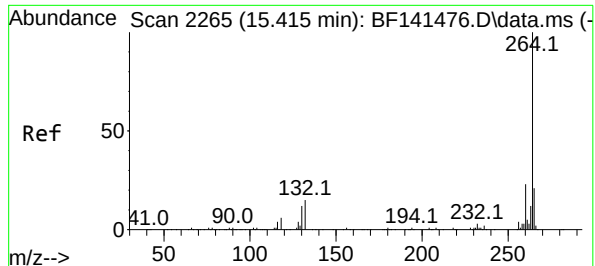
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.0
122 10.5



Ion 212.00 (211.70 to 212.70): BF141472.D\data

Ion 122.00 (121.70 to 122.70): BF141472.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141472.D

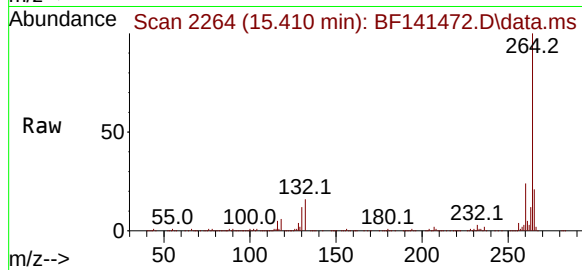
Acq: 06 Feb 2025 11:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



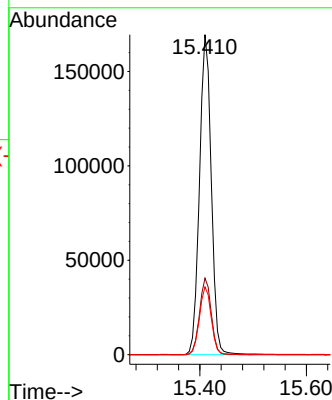
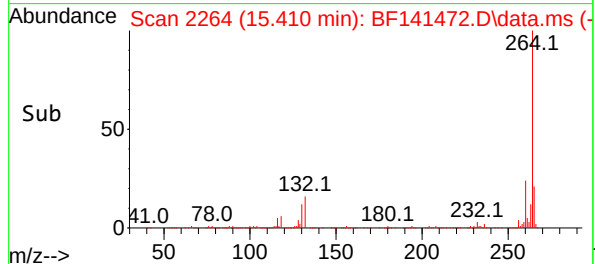
Tgt Ion:264 Resp: 259363

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.2 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141473.D
 Acq On : 06 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Feb 06 16:00:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89396	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	358966	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	199514	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	351213	20.000	ng	0.00
76) Chrysene-d12	13.951	240	295087	20.000	ng	-0.01
86) Perylene-d12	15.410	264	233325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	55200	9.680	ng	0.00
7) Phenol-d6	6.422	99	72376	10.042	ng	-0.02
23) Nitrobenzene-d5	7.345	82	68257	9.918	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	20060	10.009	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	136925	10.573	ng	0.00
79) Terphenyl-d14	12.892	244	166601	9.531	ng	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.487	88	11419	4.976	ng	95
3) Pyridine	3.228	79	23540	4.310	ng	97
4) n-Nitrosodimethylamine	3.152	42	16481	4.558	ng	# 96
6) Aniline	6.445	93	32993	4.880	ng	97
8) 2-Chlorophenol	6.575	128	31263	5.074	ng	99
9) Benzaldehyde	6.334	77	19944	5.207	ng	94
10) Phenol	6.440	94	37833	5.044	ng	97
11) bis(2-Chloroethyl)ether	6.522	93	28203	5.006	ng	97
12) 1,3-Dichlorobenzene	6.728	146	32913	5.060	ng	99
13) 1,4-Dichlorobenzene	6.804	146	34555	5.199	ng	97
14) 1,2-Dichlorobenzene	6.957	146	31141	5.049	ng	96
15) Benzyl Alcohol	6.928	79	26612	4.815	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	49667	5.150	ng	99
17) 2-Methylphenol	7.045	107	24939	5.173	ng	96
18) Hexachloroethane	7.298	117	12043	4.896	ng	98
19) n-Nitroso-di-n-propyla...	7.192	70	21865	5.072	ng	97
20) 3+4-Methylphenols	7.198	107	32221	5.258	ng	94
22) Acetophenone	7.192	105	46441	5.201	ng	95
24) Nitrobenzene	7.363	77	33173	4.943	ng	99
25) Isophorone	7.604	82	54796	4.993	ng	99
26) 2-Nitrophenol	7.687	139	15331	4.592	ng	97
27) 2,4-Dimethylphenol	7.728	122	18659	4.784	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	34469	4.902	ng	100
29) 2,4-Dichlorophenol	7.934	162	25667	4.870	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	29321	5.109	ng	96
31) Naphthalene	8.092	128	95730	5.123	ng	99
33) 4-Chloroaniline	8.145	127	31729	4.864	ng	98
34) Hexachlorobutadiene	8.210	225	17323	5.028	ng	98
35) Caprolactam	8.475	113	7437	4.635	ng	94
36) 4-Chloro-3-methylphenol	8.628	107	27818	4.765	ng	98
37) 2-Methylnaphthalene	8.781	142	61742	5.078	ng	97
38) 1-Methylnaphthalene	8.881	142	61026	5.182	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	29023	5.028	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	18144	4.863	ng	99
44) 2,4,5-Trichlorophenol	9.110	196	19204	4.750	ng	98
46) 1,1'-Biphenyl	9.245	154	78931	5.103	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141473.D
 Acq On : 06 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Feb 06 16:00:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

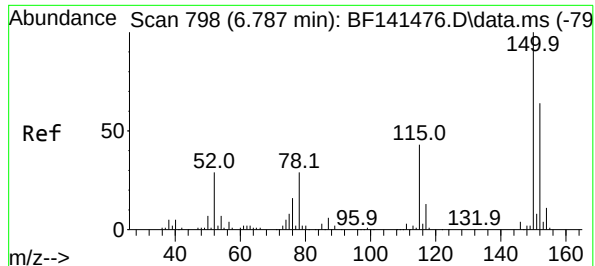
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng	100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng	98
49) Acenaphthylene	9.681	152	86721	5.097	ng	100
50) Dimethylphthalate	9.539	163	68921	5.088	ng	99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng	94
52) Acenaphthene	9.857	154	59139	5.171	ng	99
53) 3-Nitroaniline	9.775	138	15563	4.884	ng	98
55) Dibenzofuran	10.028	168	88178	5.252	ng	99
56) 4-Nitrophenol	9.963	139	9482	4.008	ng	94
57) 2,4-Dinitrotoluene	10.010	165	19087	4.842	ng #	96
58) Fluorene	10.369	166	67764	5.220	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	16570	4.760	ng	99
60) Diethylphthalate	10.239	149	69845	5.241	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	32951	5.277	ng	99
62) 4-Nitroaniline	10.381	138	15711	4.855	ng	95
63) Azobenzene	10.522	77	67256	5.077	ng	99
66) n-Nitrosodiphenylamine	10.481	169	57063	5.076	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	20012	5.098	ng	99
68) Hexachlorobenzene	10.922	284	20138	4.982	ng	98
69) Atrazine	11.010	200	17519	5.194	ng	93
70) Pentachlorophenol	11.122	266	10151	3.928	ng	98
71) Phenanthrene	11.333	178	100202	5.183	ng	100
72) Anthracene	11.386	178	102596	5.279	ng	98
73) Carbazole	11.545	167	89721	5.131	ng	100
74) Di-n-butylphthalate	11.875	149	102296	5.066	ng	100
75) Fluoranthene	12.522	202	109883	5.361	ng	98
77) Benzidine	12.651	184	34946	5.370	ng	99
78) Pyrene	12.751	202	112700	4.486	ng	100
80) Butylbenzylphthalate	13.374	149	38714	4.449	ng	98
81) Benzo(a)anthracene	13.939	228	101861	5.193	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	29306	5.216	ng	98
83) Chrysene	13.980	228	87555	4.834	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	43735	4.457	ng	98
85) Di-n-octyl phthalate	14.557	149	59200	4.229	ng	100
87) Indeno(1,2,3-cd)pyrene	16.839	276	57572	3.993	ng	99
88) Benzo(b)fluoranthene	14.986	252	75033	4.789	ng	99
89) Benzo(k)fluoranthene	15.016	252	64919	4.853	ng	98
90) Benzo(a)pyrene	15.345	252	63295	4.993	ng	98
91) Dibenzo(a,h)anthracene	16.857	278	46421	3.974	ng	98
92) Benzo(g,h,i)perylene	17.274	276	46952	3.841	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

- 1
- 2
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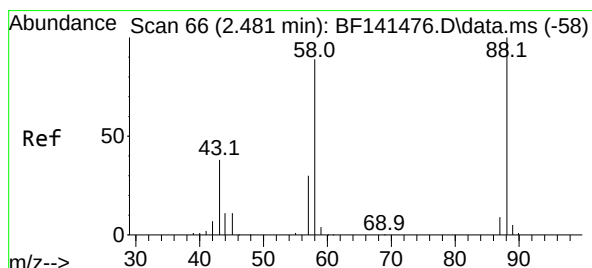
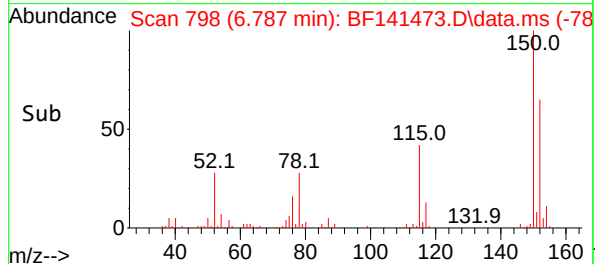
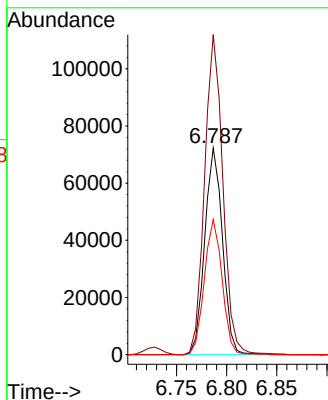
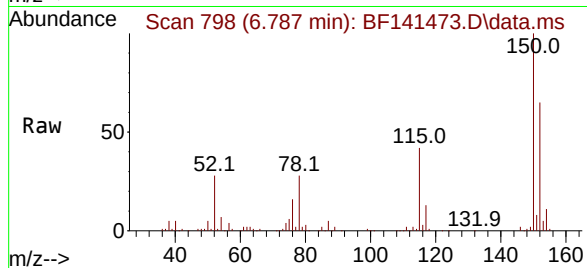




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

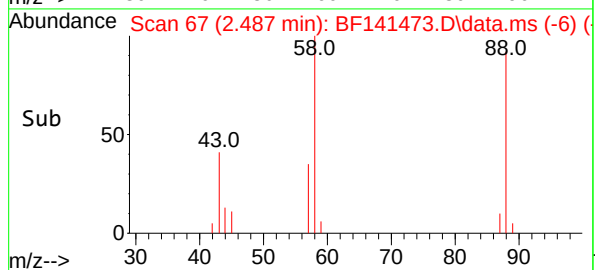
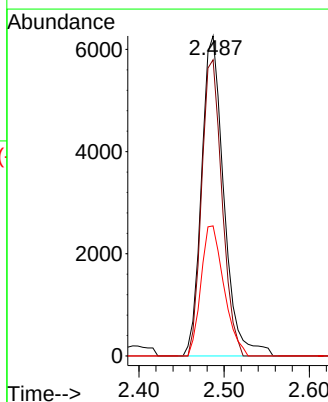
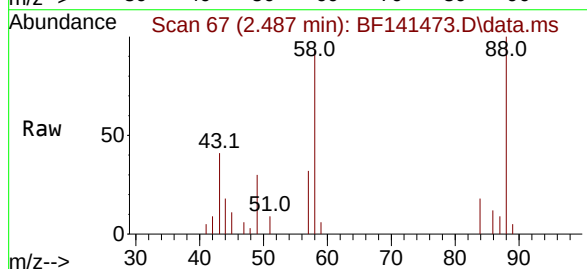
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

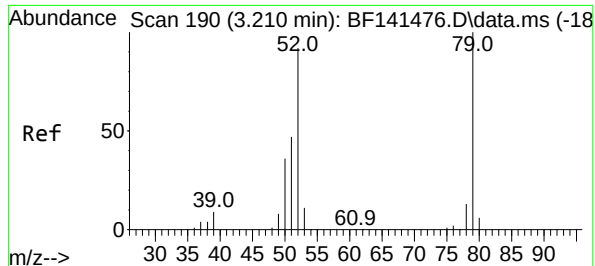
Tgt Ion:152 Resp: 89396
Ion Ratio Lower Upper
152 100
150 154.8 125.0 187.4
115 65.4 53.6 80.4



#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 88 Resp: 11419
Ion Ratio Lower Upper
88 100
58 84.3 71.1 106.7
43 41.7 30.6 46.0

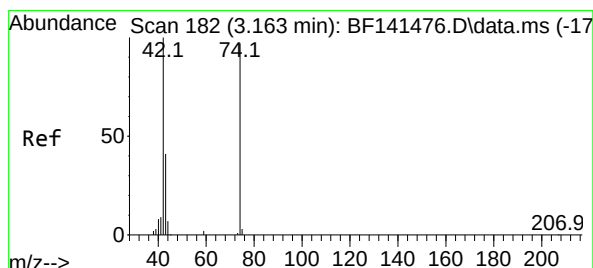
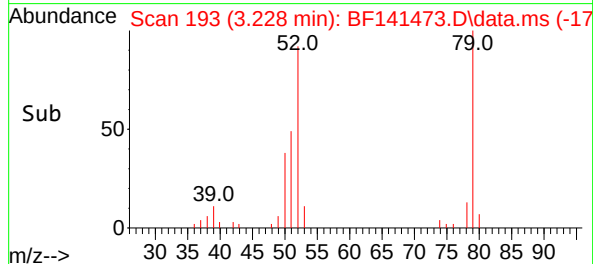
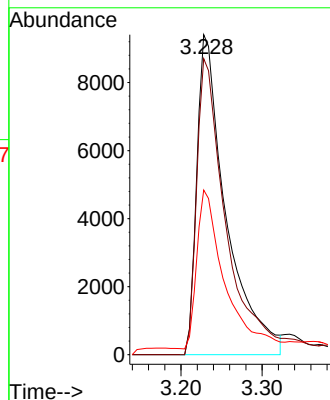
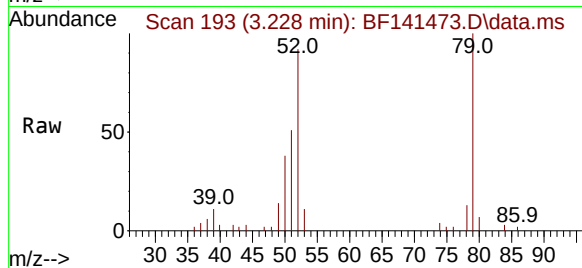




#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 190
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

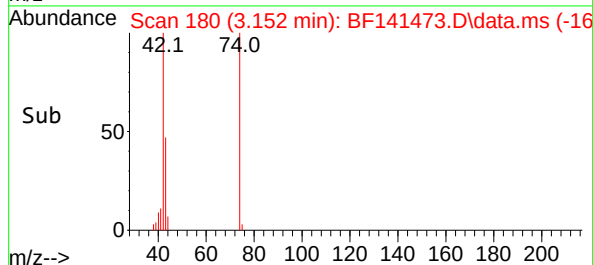
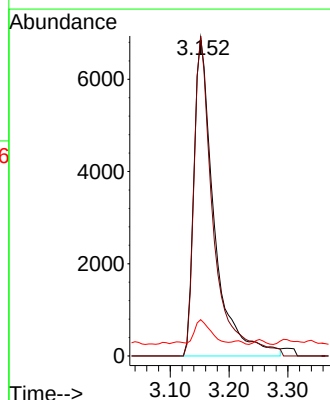
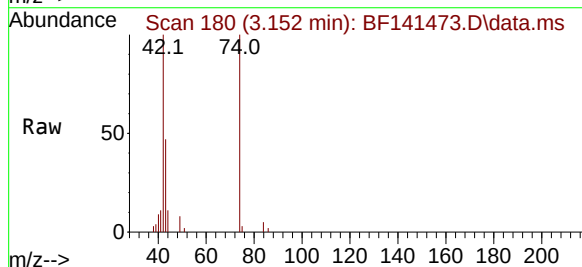
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

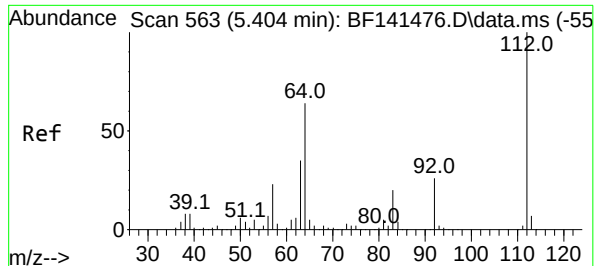
Tgt Ion	Ratio	Lower	Upper
79	100		
52	92.5	73.7	110.5
51	51.5	37.5	56.3



#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	100.5	78.0	117.0
44	11.4	5.4	8.2

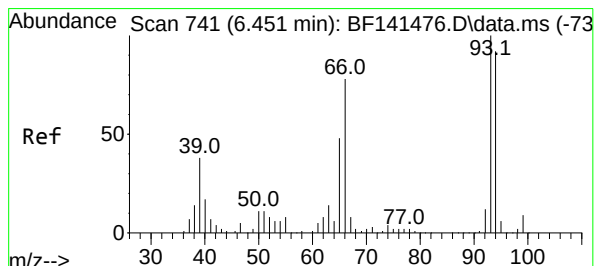
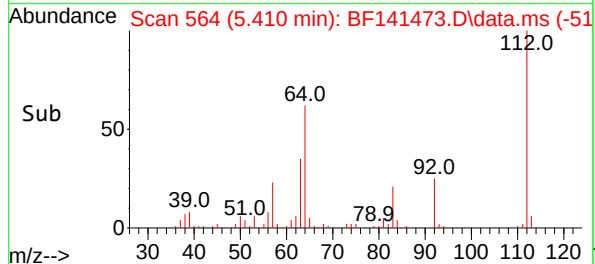
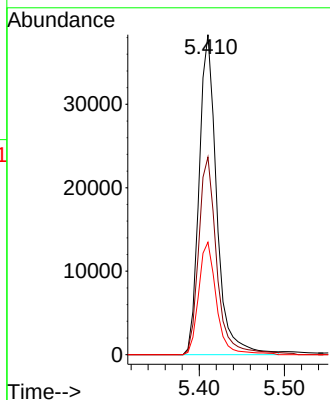
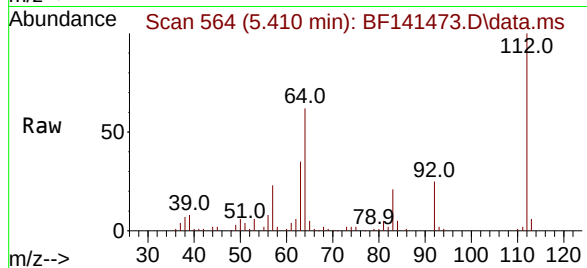




#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

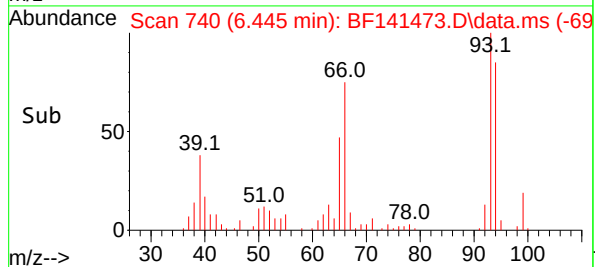
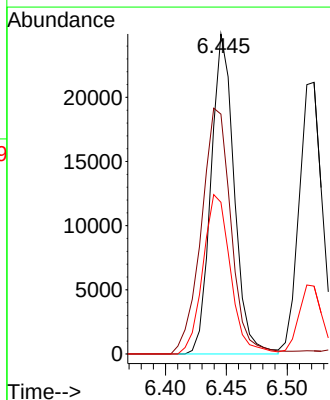
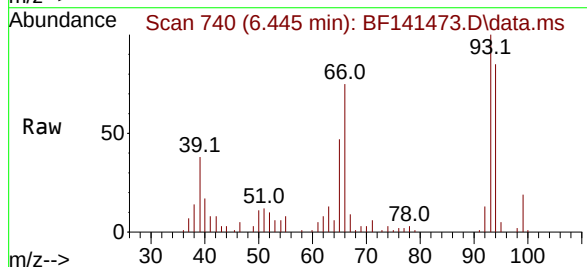
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

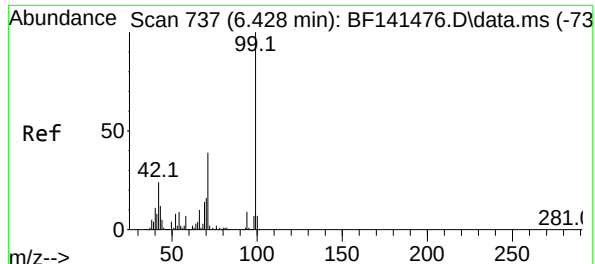
Tgt Ion:112 Resp: 55200
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 35.1 28.4 42.6



#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 32993
Ion Ratio Lower Upper
93 100
66 75.0 62.6 94.0
65 47.4 38.3 57.5

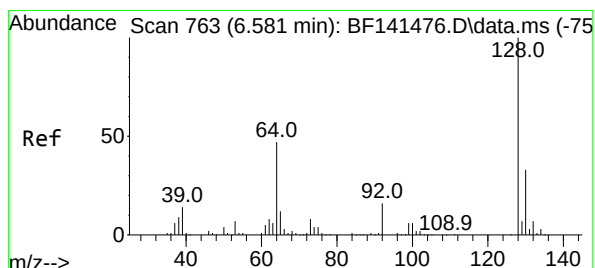
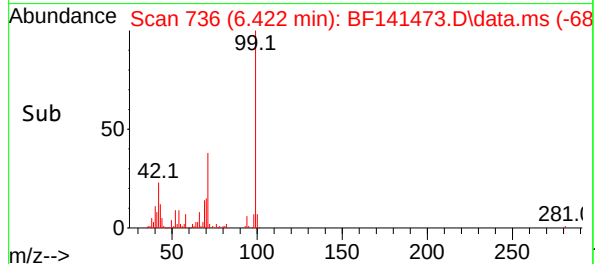
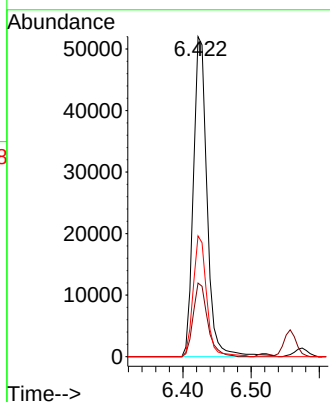
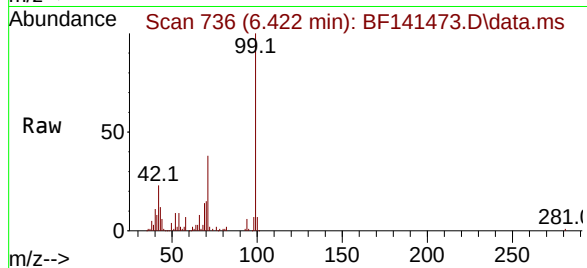




#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

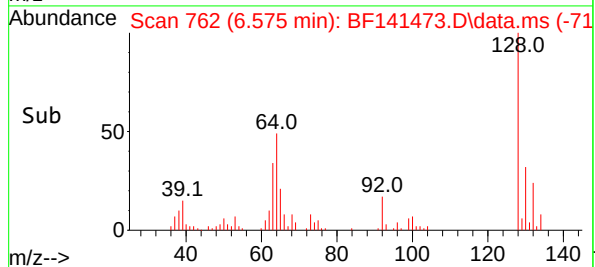
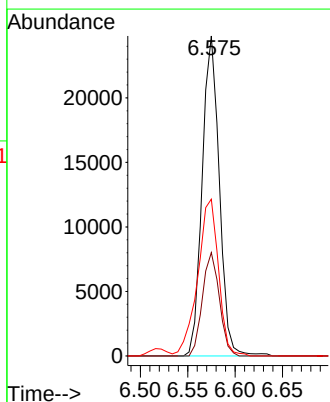
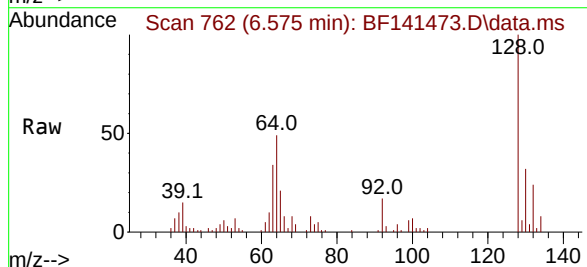
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ClientSampleId :
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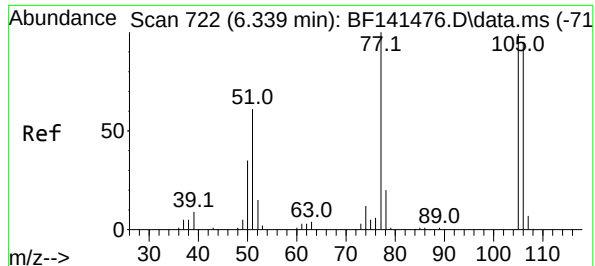
Tgt Ion: 99 Resp: 72376
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.7 31.1 46.7



#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 128 Resp: 31263
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 49.0 28.3 68.3





#9

Benzaldehyde

Concen: 5.207 ng

RT: 6.334 min Scan# 71

Delta R.T. -0.005 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

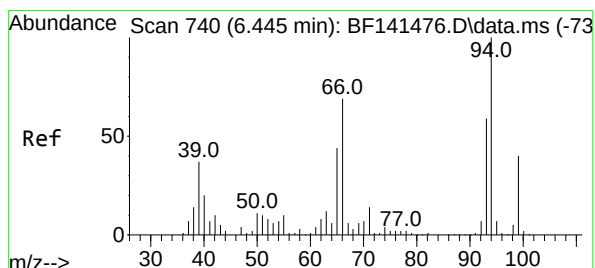
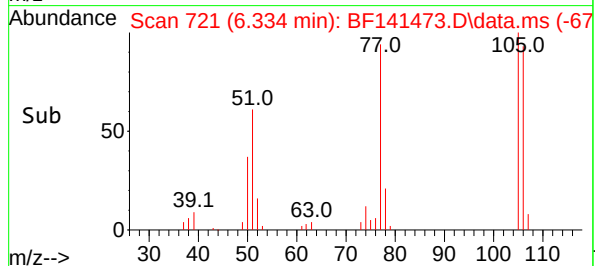
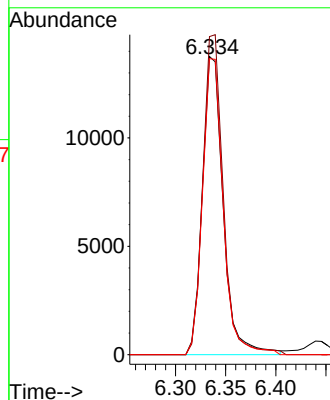
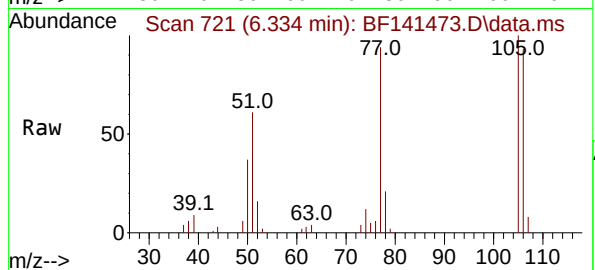
Tgt Ion: 77 Resp: 19944

Ion Ratio Lower Upper

77 100

105 106.6 79.4 119.4

106 99.2 75.1 115.1



#10

Phenol

Concen: 5.044 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

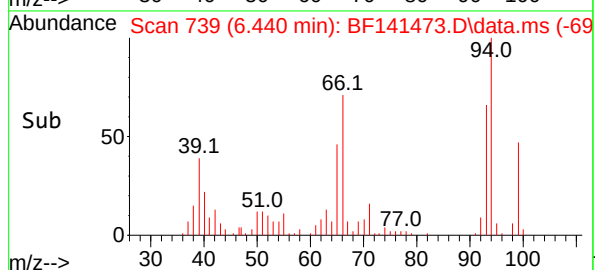
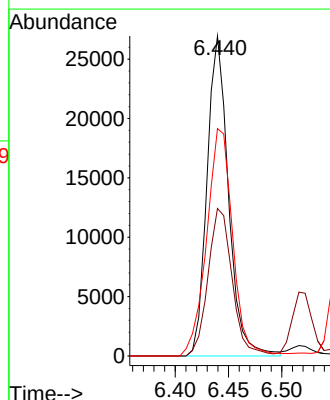
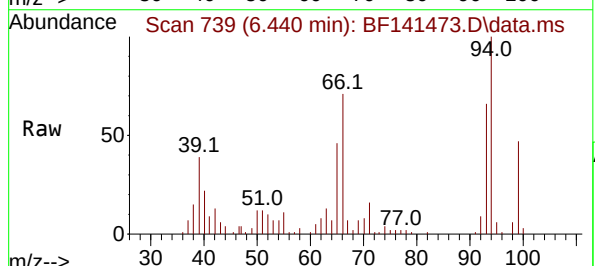
Tgt Ion: 94 Resp: 37833

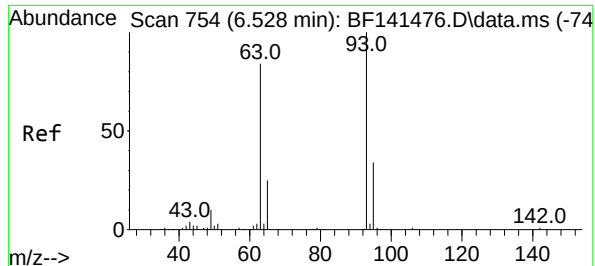
Ion Ratio Lower Upper

94 100

65 46.1 23.7 63.7

66 71.1 49.3 89.3

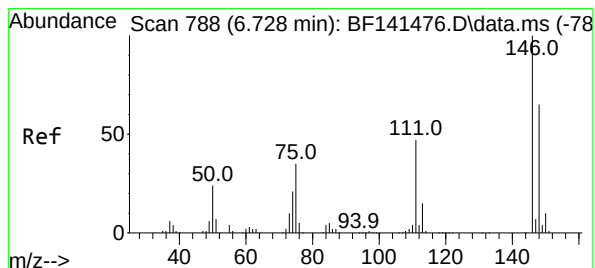
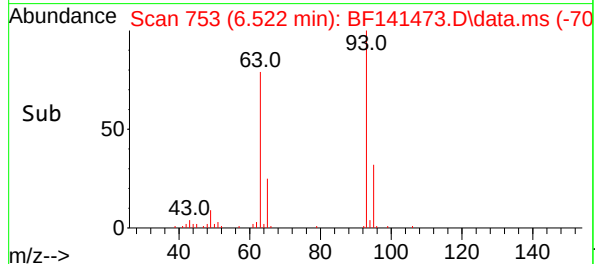
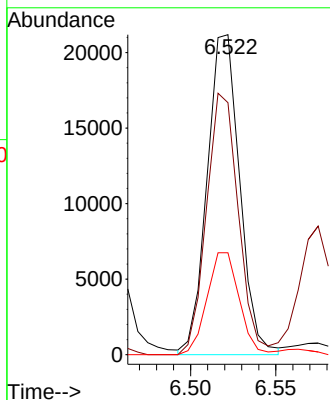
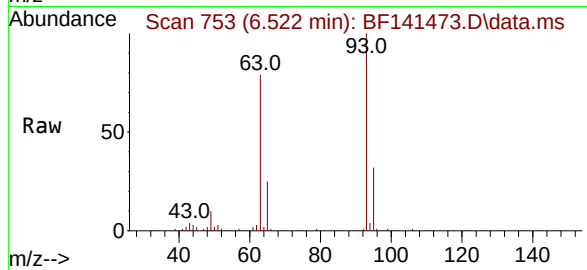




#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

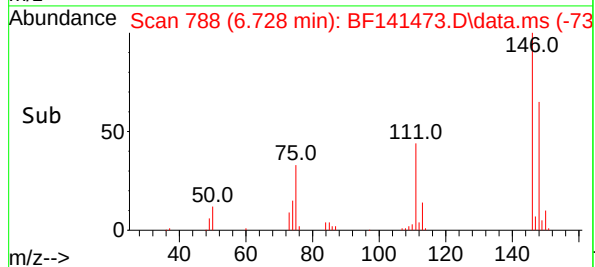
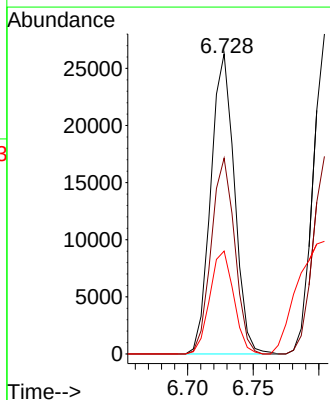
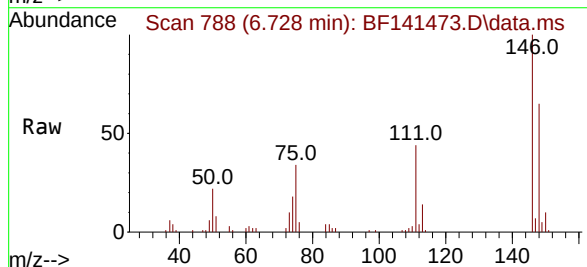
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

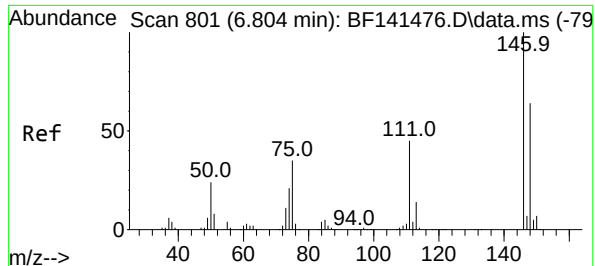
Tgt Ion: 93 Resp: 28203
Ion Ratio Lower Upper
93 100
63 78.7 62.0 102.0
95 31.9 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 146 Resp: 32913
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
75 34.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 5.199 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

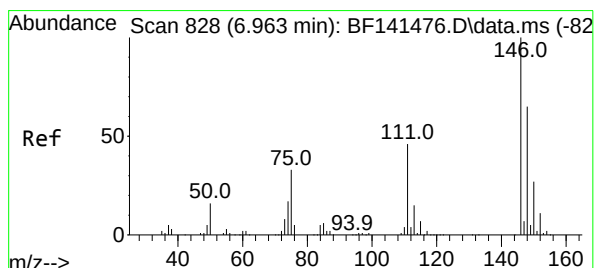
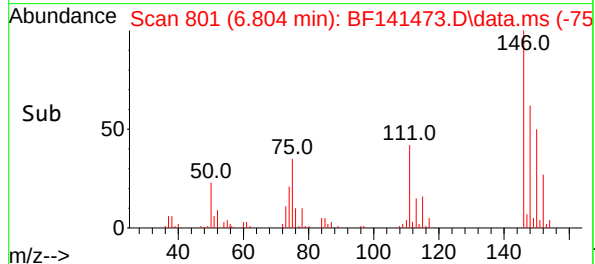
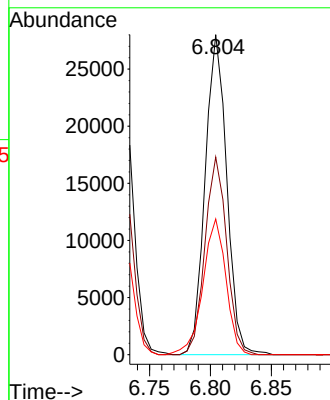
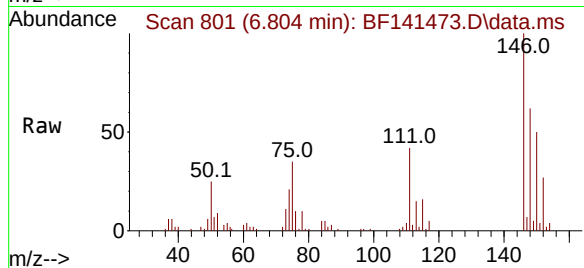
Tgt Ion:146 Resp: 34555

Ion Ratio Lower Upper

146 100

148 61.7 50.9 76.3

111 42.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 5.049 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

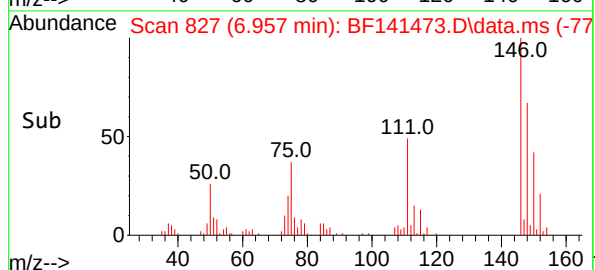
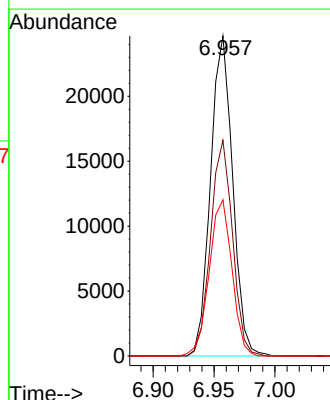
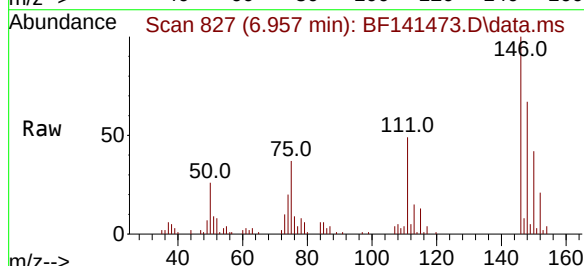
Tgt Ion:146 Resp: 31141

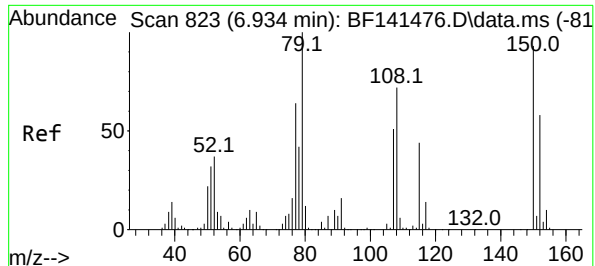
Ion Ratio Lower Upper

146 100

148 67.4 51.8 77.6

111 48.8 37.0 55.4





#15

Benzyl Alcohol

Concen: 4.815 ng

RT: 6.928 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

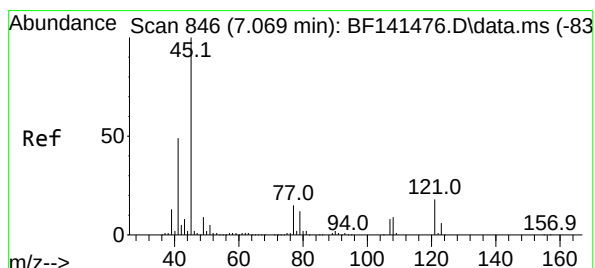
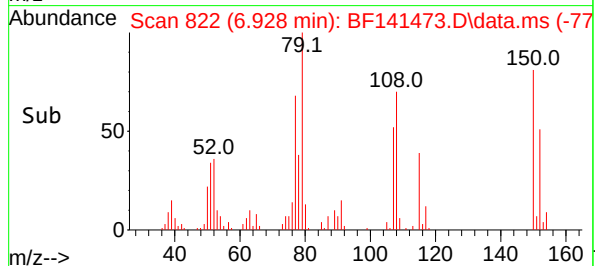
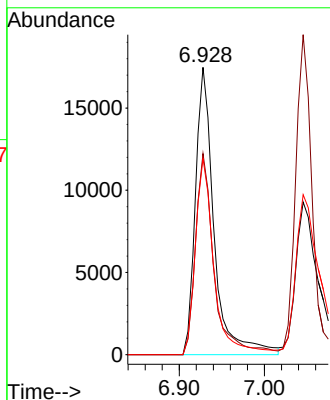
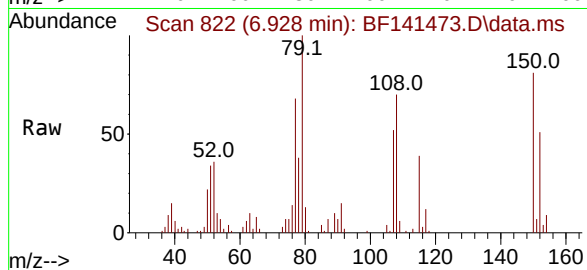
Tgt Ion: 79 Resp: 26612

Ion Ratio Lower Upper

79 100

108 70.0 57.4 86.2

77 68.2 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.150 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

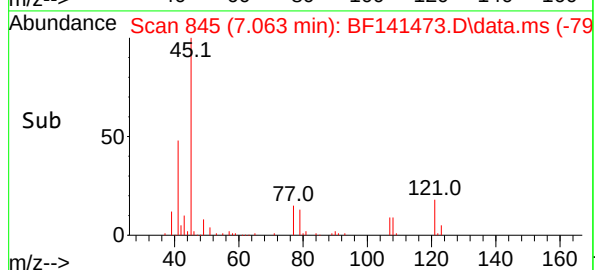
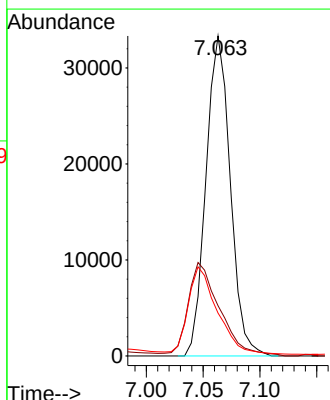
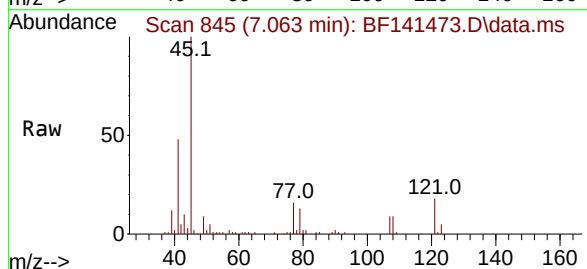
Tgt Ion: 45 Resp: 49667

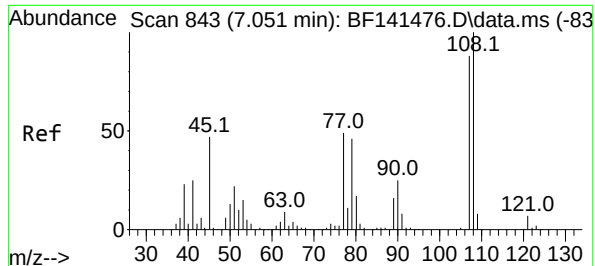
Ion Ratio Lower Upper

45 100

77 15.7 0.0 35.8

79 13.4 0.0 32.7

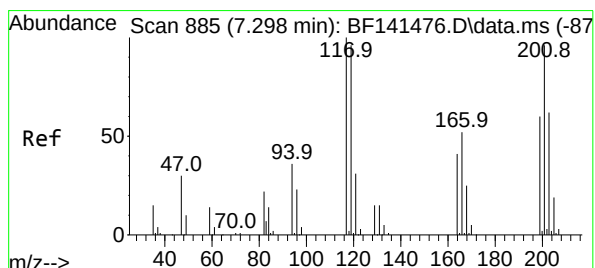
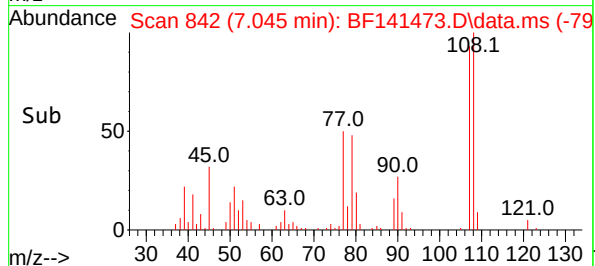
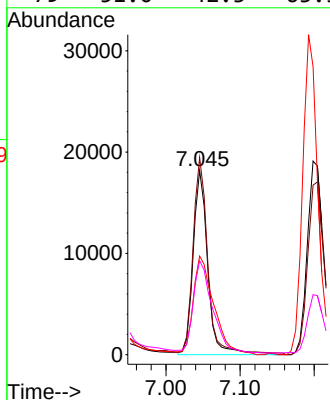
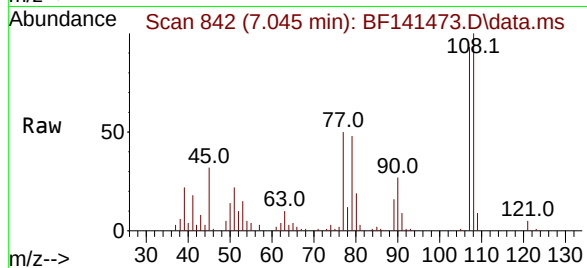




#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

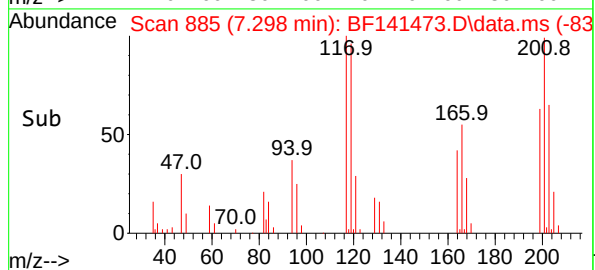
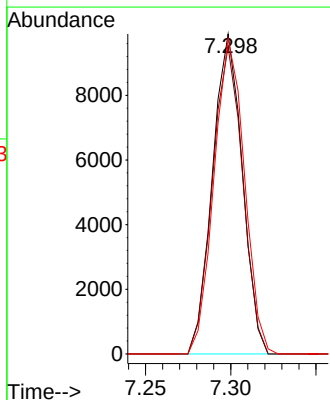
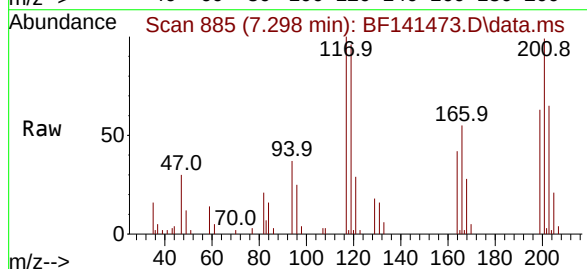
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

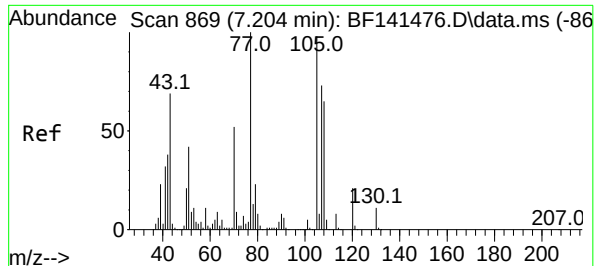
Tgt Ion:	107	Resp:	24939
Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.6	136.0
77	53.5	44.4	66.6
79	51.0	42.3	63.5



#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:	117	Resp:	12043
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.5	114.7
201	98.5	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 5.072 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.023 min

Lab File: BF141473.D

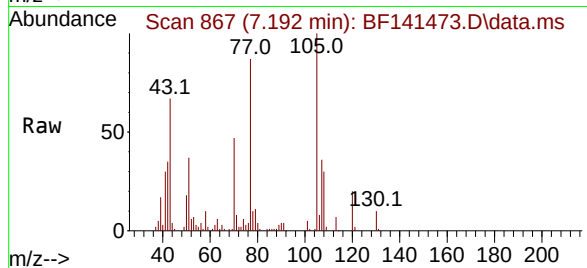
Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

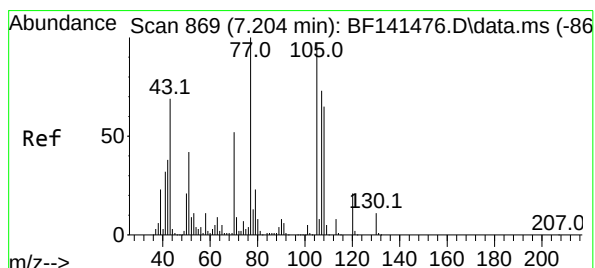
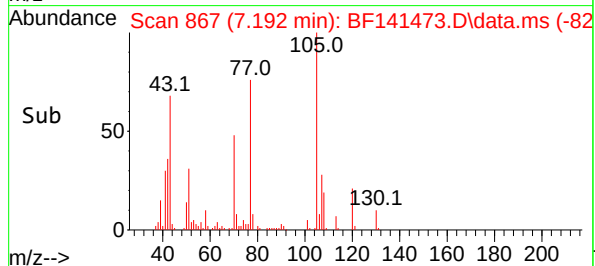
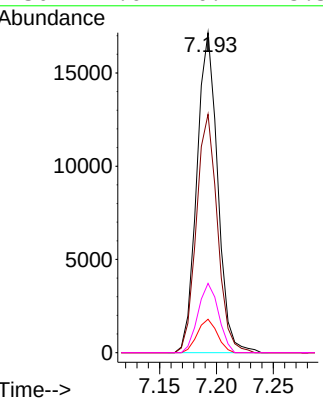
ClientSampleId :

SSTDIC005



Tgt Ion: 70 Resp: 21865

Ion	Ratio	Lower	Upper
70	100		
42	74.5	57.4	86.2
101	10.5	8.0	12.0
130	21.6	16.9	25.3



#20

3+4-Methylphenols

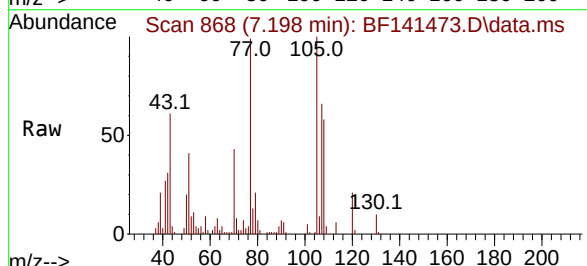
Concen: 5.258 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.017 min

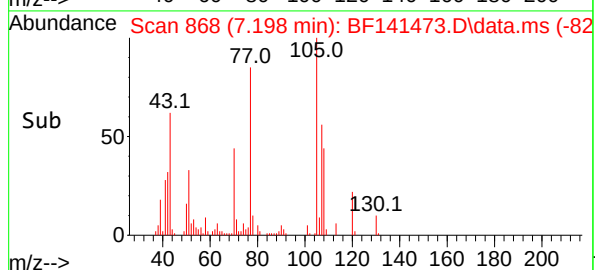
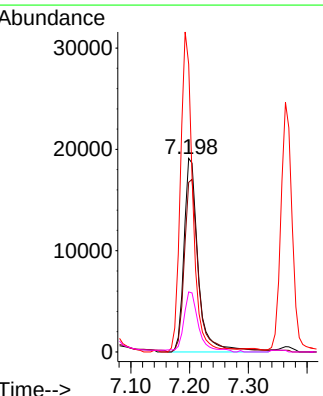
Lab File: BF141473.D

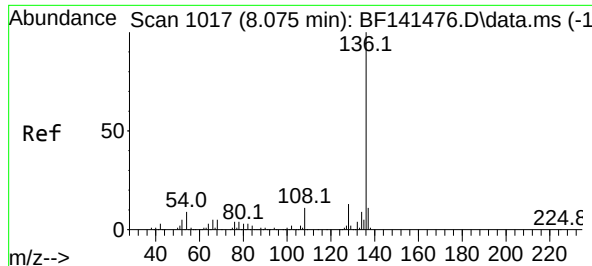
Acq: 06 Feb 2025 11:34



Tgt Ion: 107 Resp: 32221

Ion	Ratio	Lower	Upper
107	100		
108	87.6	68.5	108.5
77	148.7	116.5	156.5
79	31.0	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 358966

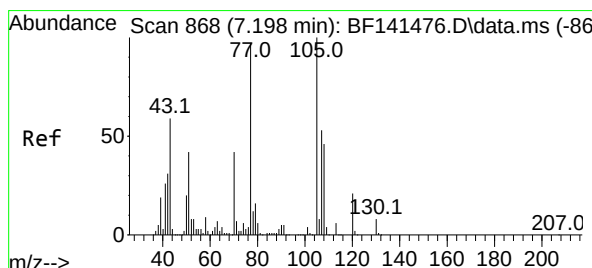
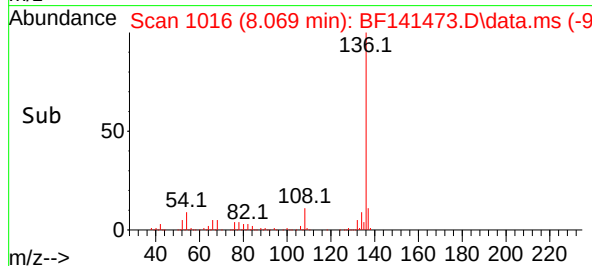
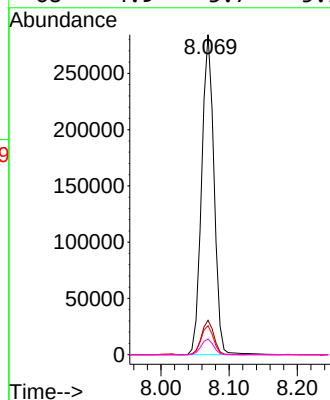
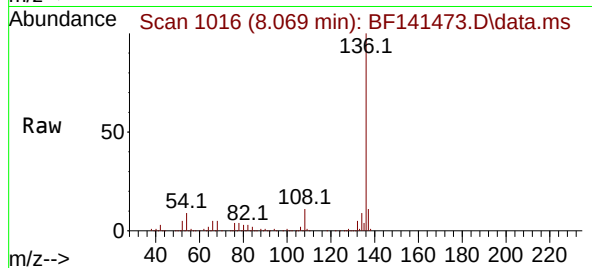
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.0 7.2 10.8

68 4.9 3.7 5.5



#22

Acetophenone

Concen: 5.201 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:105 Resp: 46441

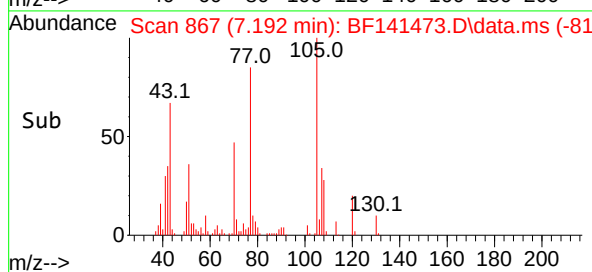
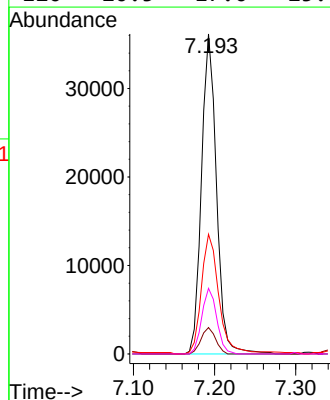
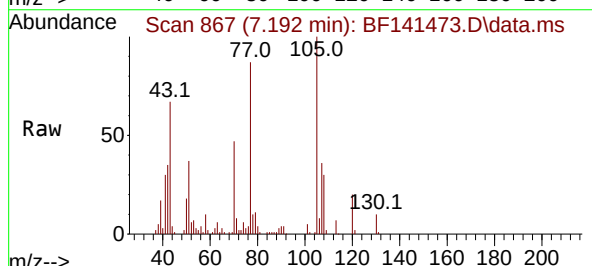
Ion Ratio Lower Upper

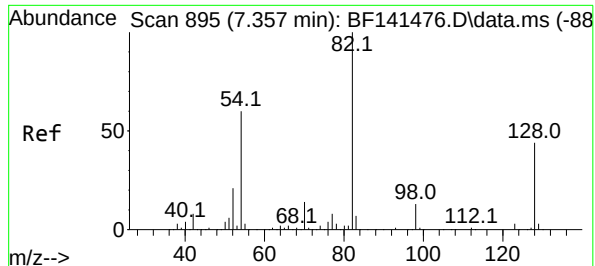
105 100

71 8.3 5.7 8.5

51 37.4 33.7 50.5

120 20.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 9.918 ng

RT: 7.345 min Scan# 891

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

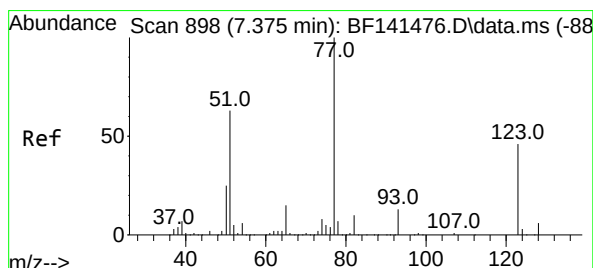
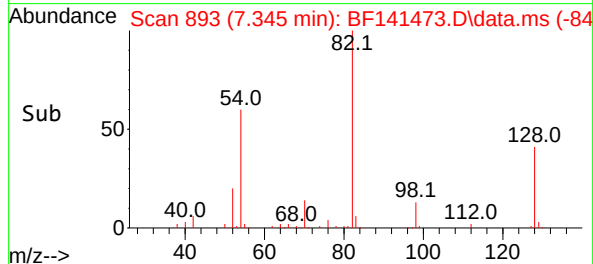
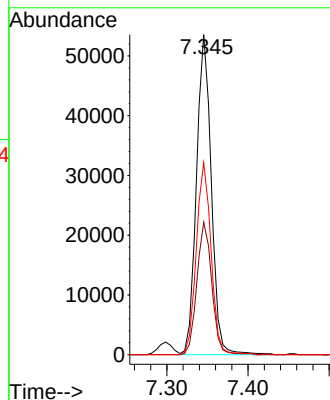
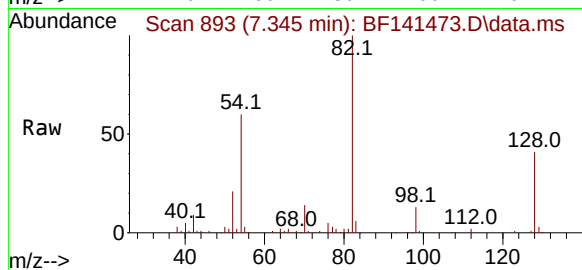
Tgt Ion: 82 Resp: 68257

Ion Ratio Lower Upper

82 100

128 41.4 34.8 52.2

54 60.0 48.2 72.4



#24

Nitrobenzene

Concen: 4.943 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

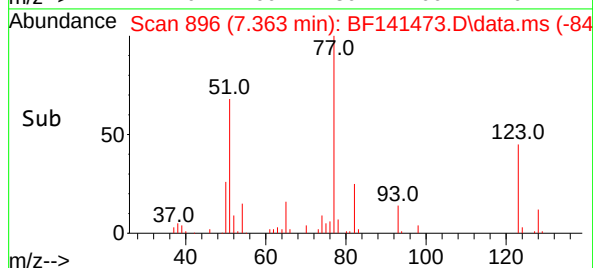
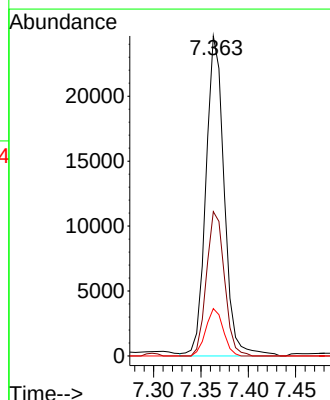
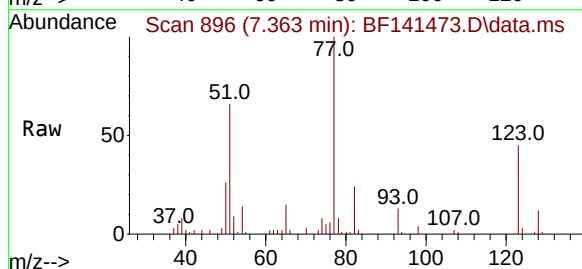
Tgt Ion: 77 Resp: 33173

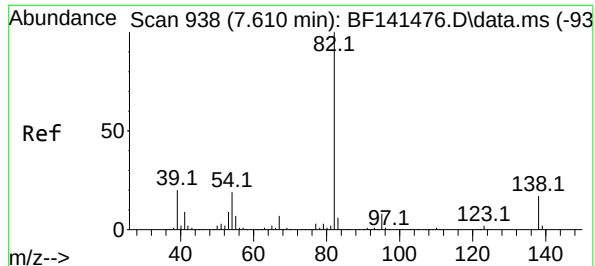
Ion Ratio Lower Upper

77 100

123 45.1 36.9 55.3

65 14.8 11.9 17.9





#25

Isophorone

Concen: 4.993 ng

RT: 7.604 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

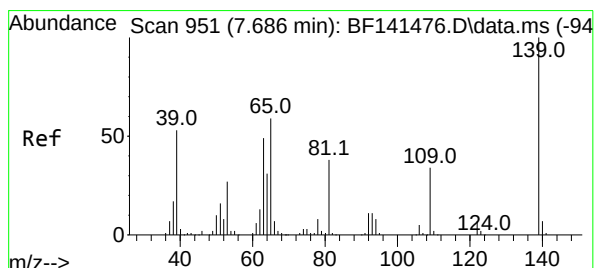
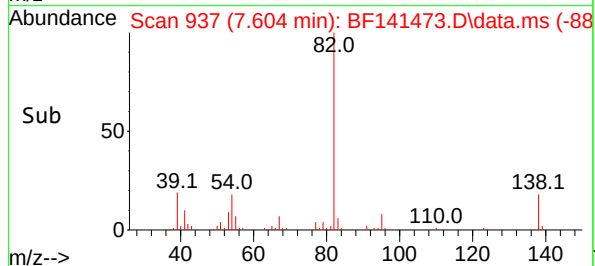
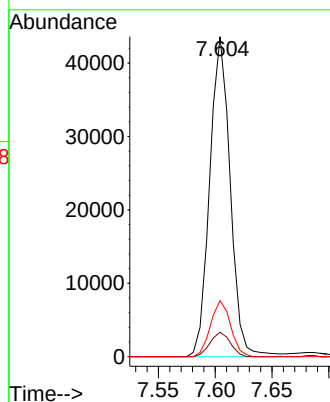
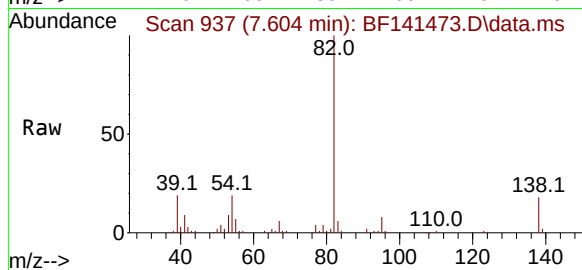
Tgt Ion: 82 Resp: 54796

Ion Ratio Lower Upper

82 100

95 7.6 6.4 9.6

138 17.5 13.9 20.9



#26

2-Nitrophenol

Concen: 4.592 ng

RT: 7.687 min Scan# 951

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

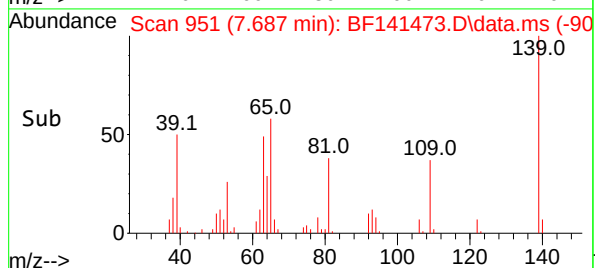
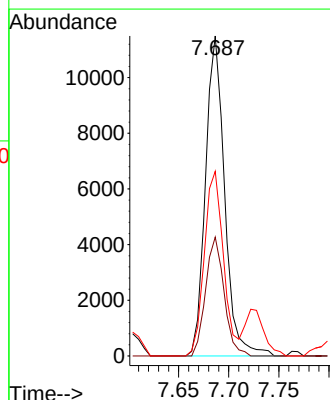
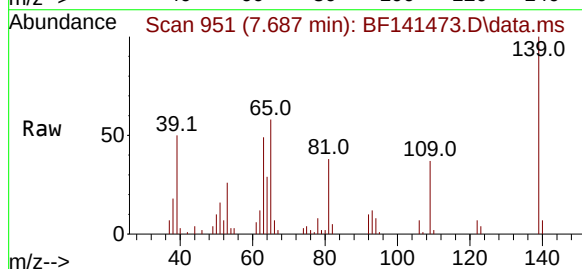
Tgt Ion: 139 Resp: 15331

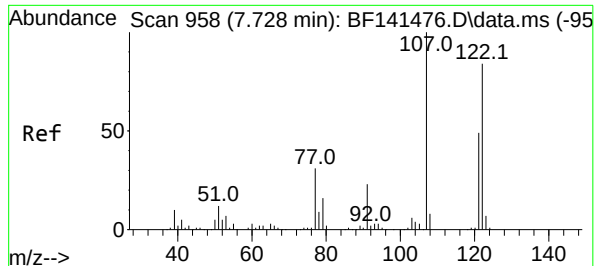
Ion Ratio Lower Upper

139 100

109 37.1 27.0 40.6

65 57.7 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 4.784 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

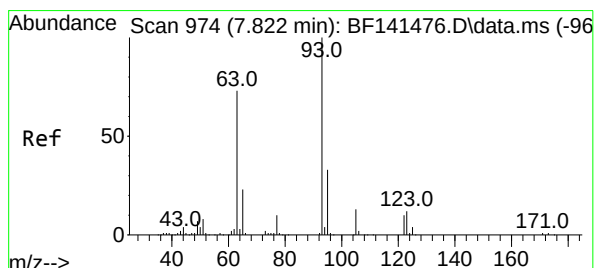
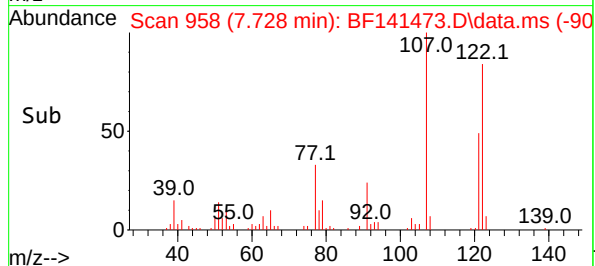
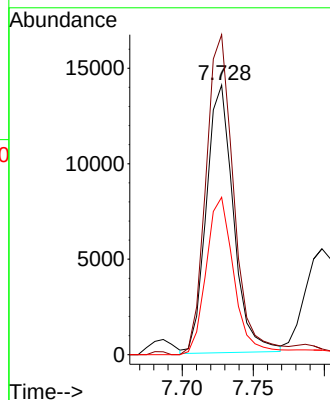
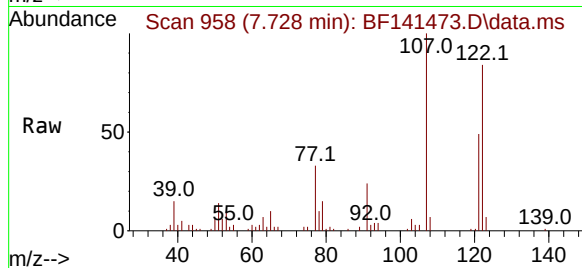
Tgt Ion:122 Resp: 18659

Ion Ratio Lower Upper

122 100

107 118.7 94.3 141.5

121 58.4 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.902 ng

RT: 7.816 min Scan# 973

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

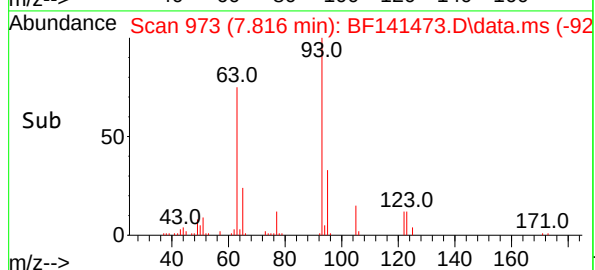
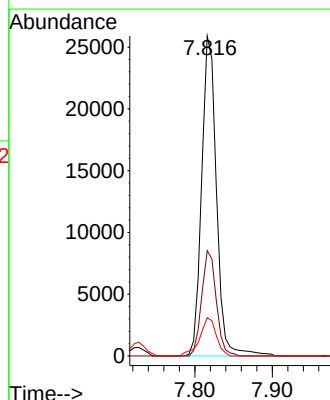
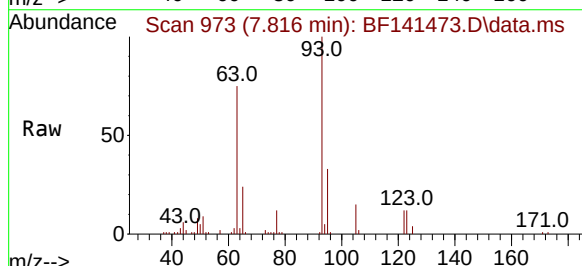
Tgt Ion: 93 Resp: 34469

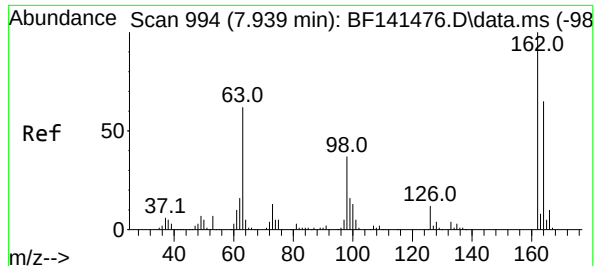
Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 4.870 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

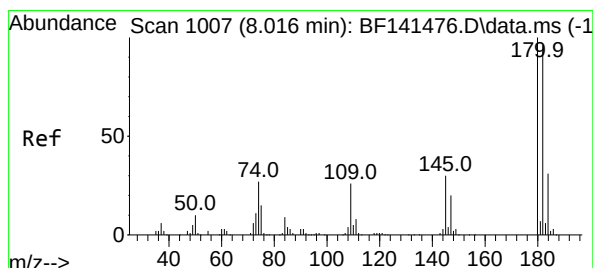
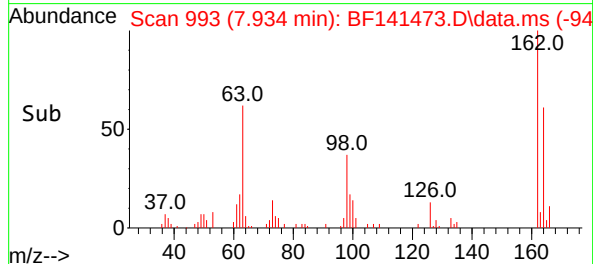
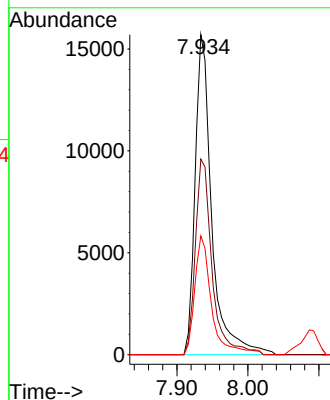
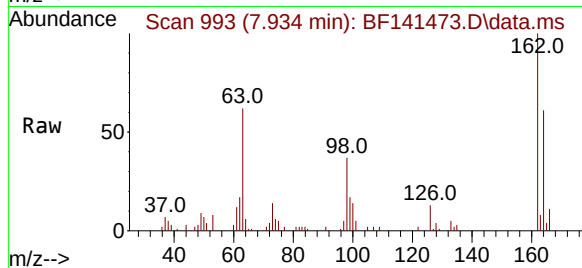
Tgt Ion:162 Resp: 25667

Ion Ratio Lower Upper

162 100

164 61.1 44.6 84.6

98 37.1 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 5.109 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

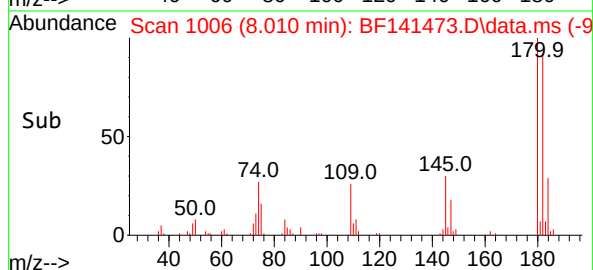
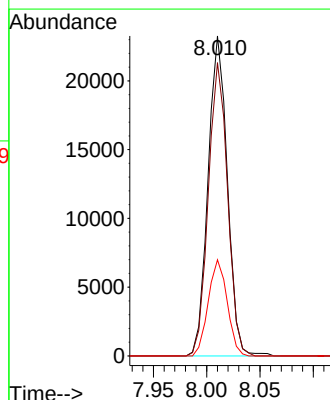
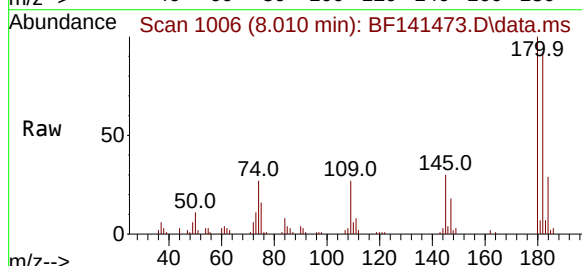
Tgt Ion:180 Resp: 29321

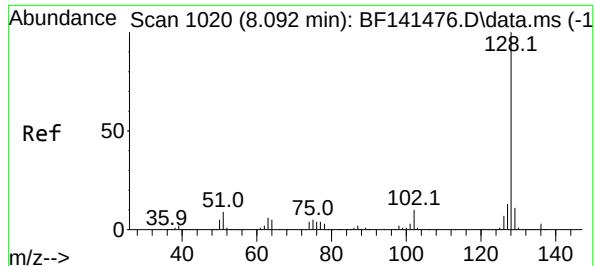
Ion Ratio Lower Upper

180 100

182 91.6 76.8 115.2

145 30.0 24.2 36.4





#31

Naphthalene

Concen: 5.123 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

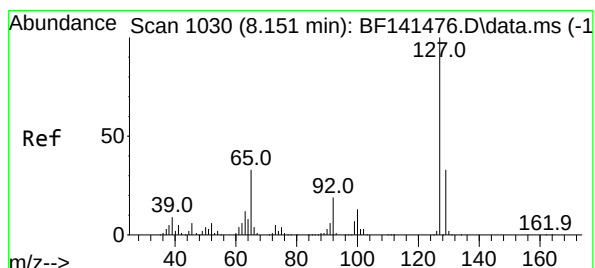
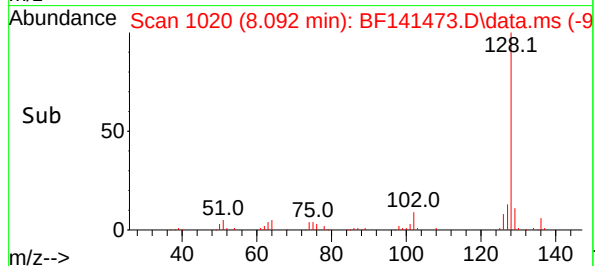
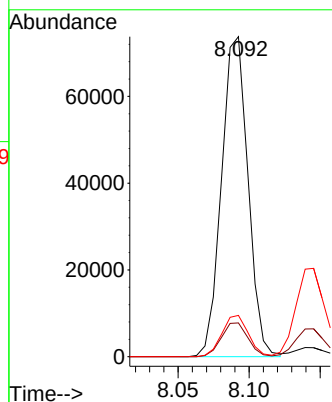
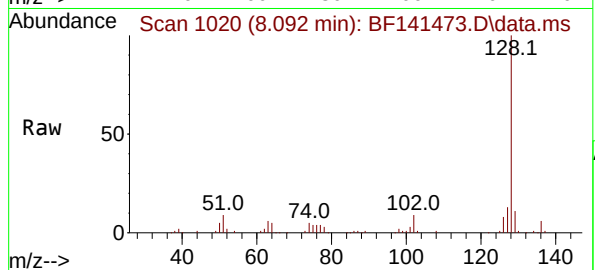
Tgt Ion:128 Resp: 95730

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 12.9 10.7 16.1



#33

4-Chloroaniline

Concen: 4.864 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:127 Resp: 31729

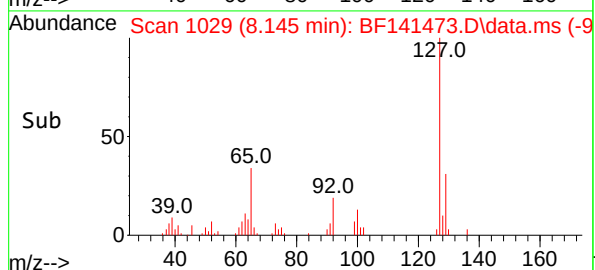
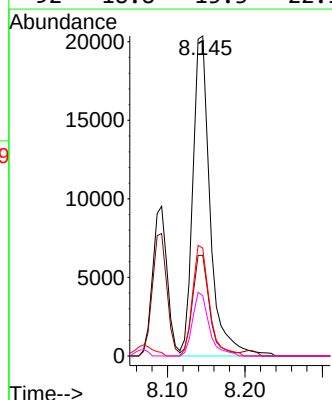
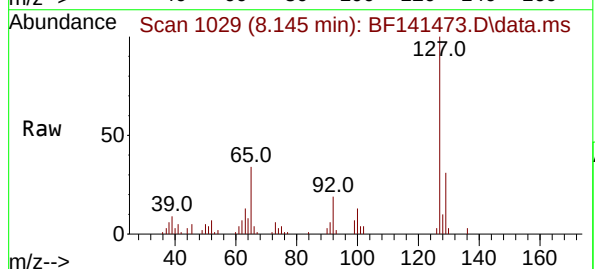
Ion Ratio Lower Upper

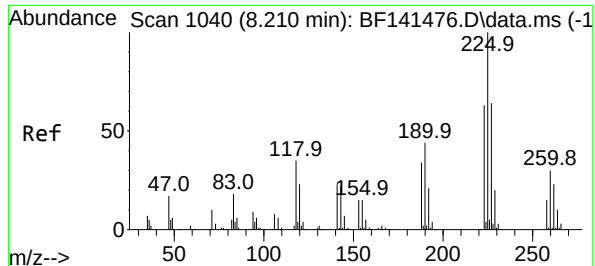
127 100

129 31.4 26.5 39.7

65 33.7 26.4 39.6

92 18.8 15.3 22.9

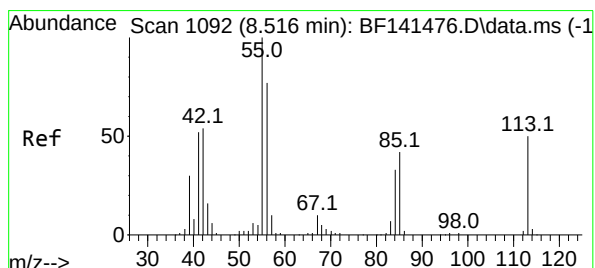
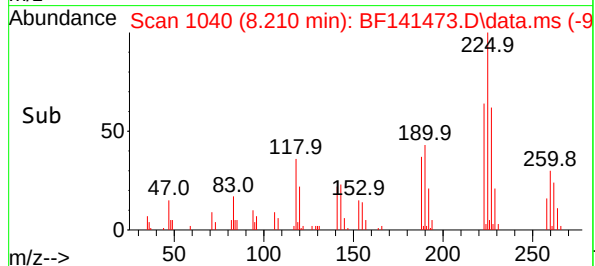
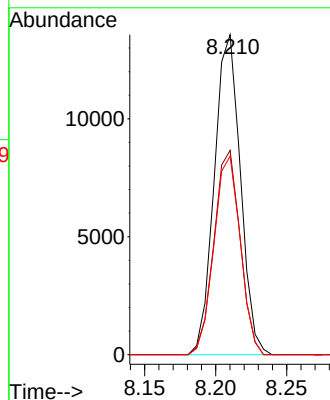
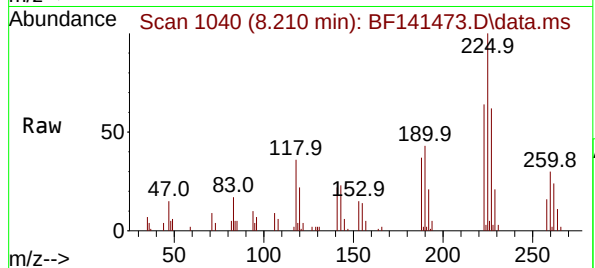




#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

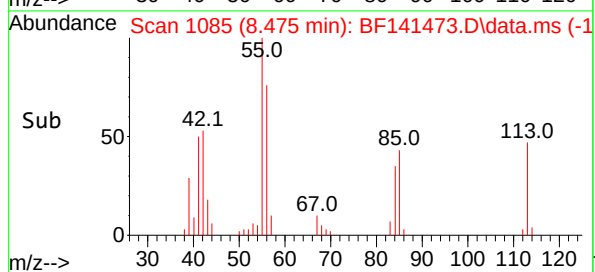
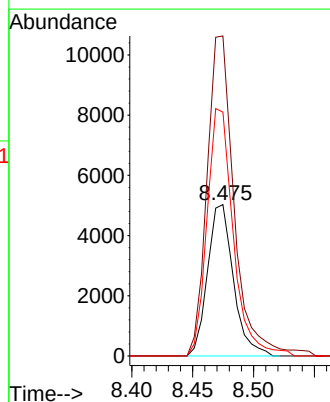
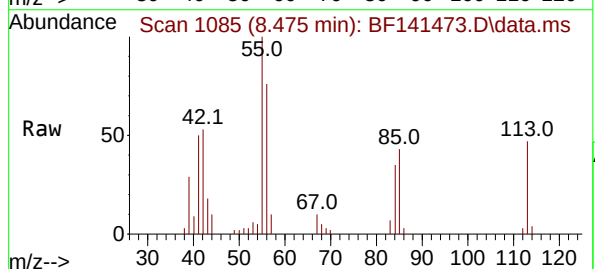
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

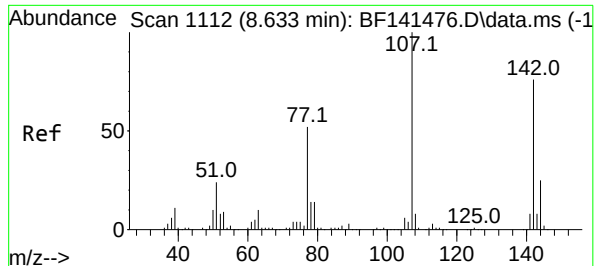
Tgt Ion:225 Resp: 17323
Ion Ratio Lower Upper
225 100
223 63.9 50.1 75.1
227 62.0 51.0 76.6



#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:113 Resp: 7437
Ion Ratio Lower Upper
113 100
55 211.4 180.8 220.8
56 161.1 133.6 173.6





#36

4-Chloro-3-methylphenol

Concen: 4.765 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

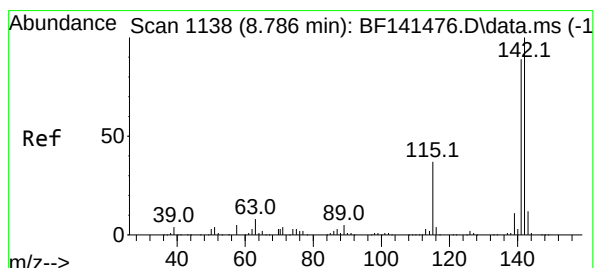
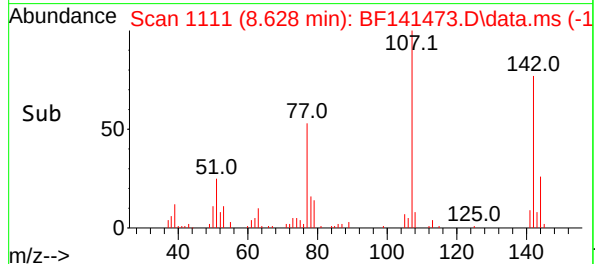
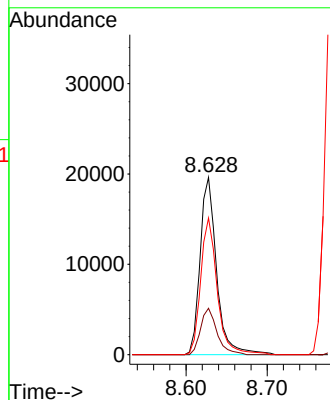
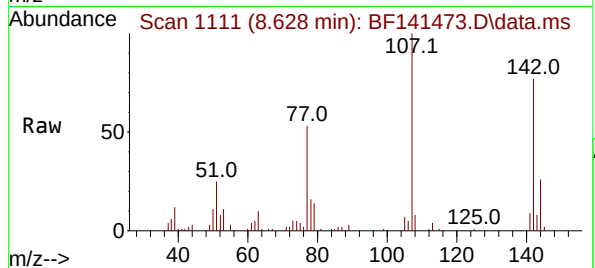
Tgt Ion:107 Resp: 27818

Ion Ratio Lower Upper

107 100

144 26.2 19.7 29.5

142 77.1 60.8 91.2



#37

2-Methylnaphthalene

Concen: 5.078 ng

RT: 8.781 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF141473.D

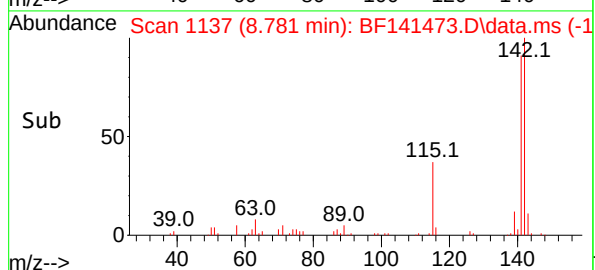
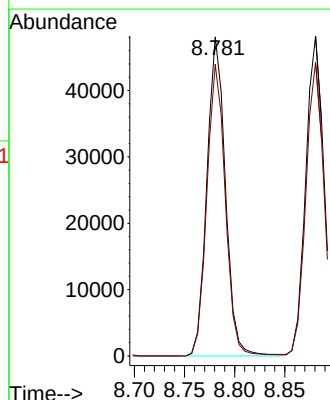
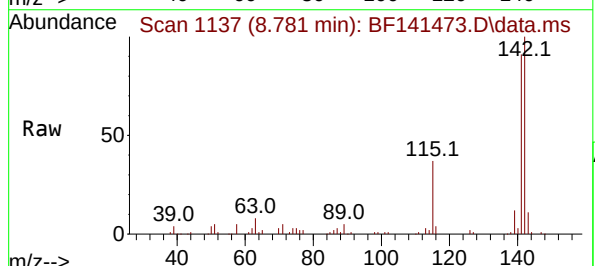
Acq: 06 Feb 2025 11:34

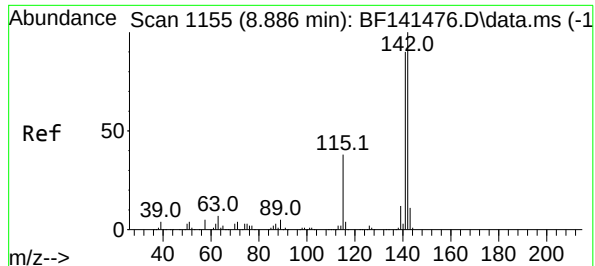
Tgt Ion:142 Resp: 61742

Ion Ratio Lower Upper

142 100

141 91.4 71.2 106.8





#38

1-Methylnaphthalene

Concen: 5.182 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

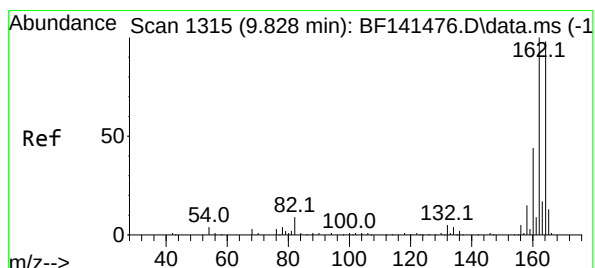
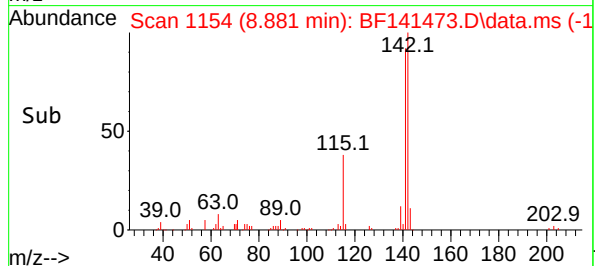
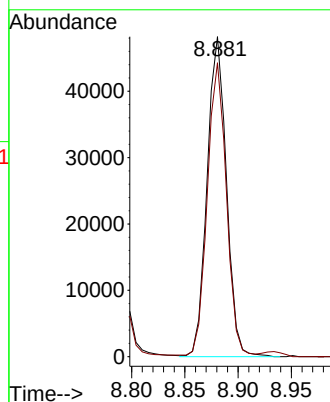
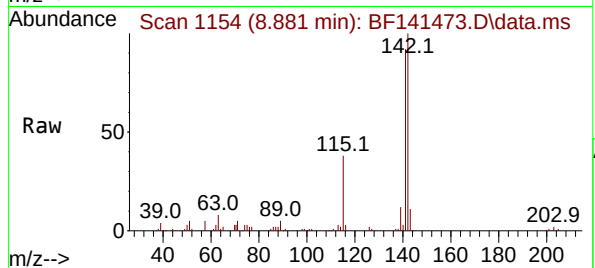
SSTDICC005

Tgt Ion:142 Resp: 61026

Ion Ratio Lower Upper

142 100

141 91.9 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

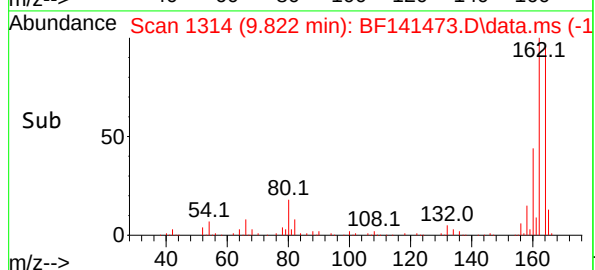
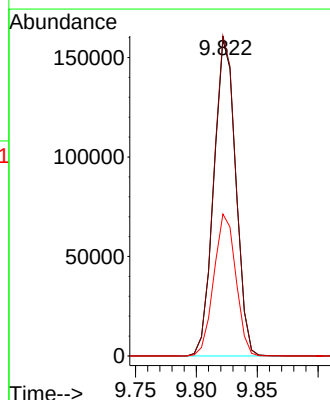
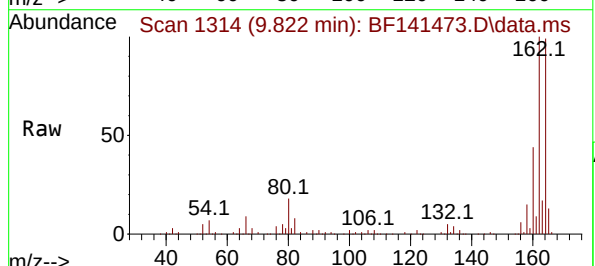
Tgt Ion:164 Resp: 199514

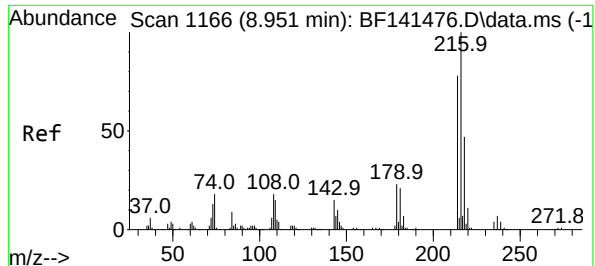
Ion Ratio Lower Upper

164 100

162 101.2 81.3 121.9

160 44.9 35.9 53.9





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.028 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 29023

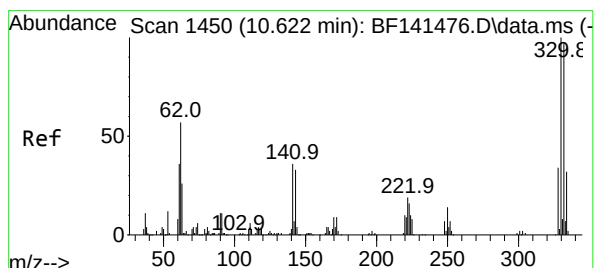
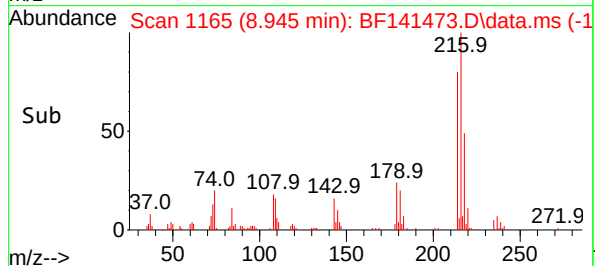
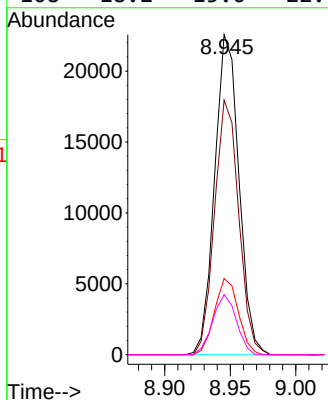
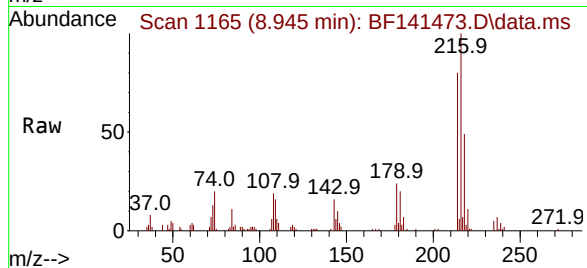
Ion Ratio Lower Upper

216 100

214 79.2 62.3 93.5

179 23.4 18.0 27.0

108 18.2 15.0 22.6



#42

2,4,6-Tribromophenol

Concen: 10.009 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

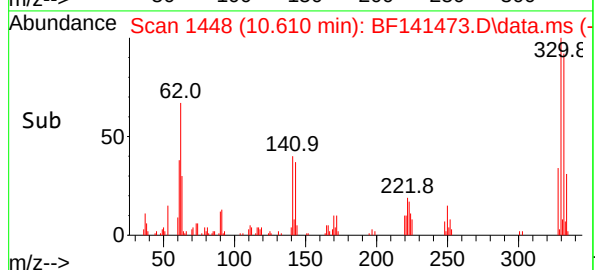
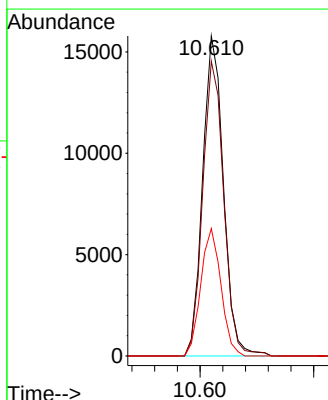
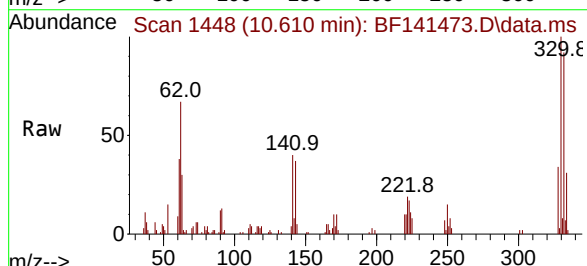
Tgt Ion:330 Resp: 20060

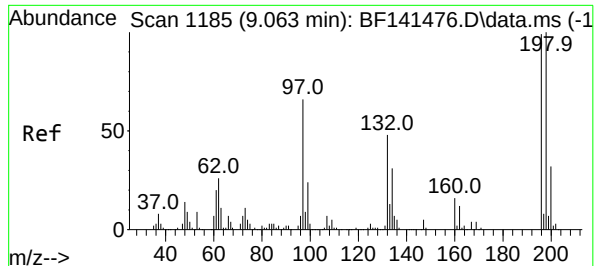
Ion Ratio Lower Upper

330 100

332 92.9 78.5 117.7

141 38.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 4.863 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

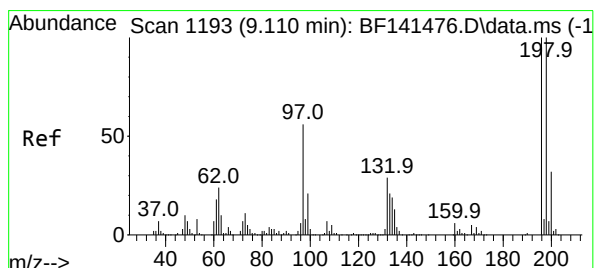
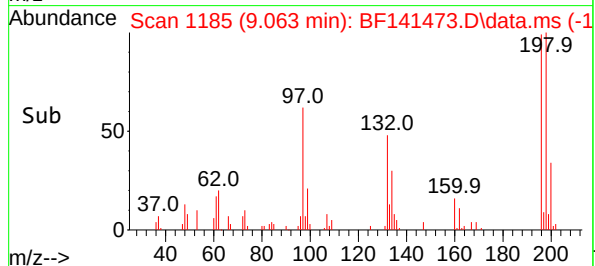
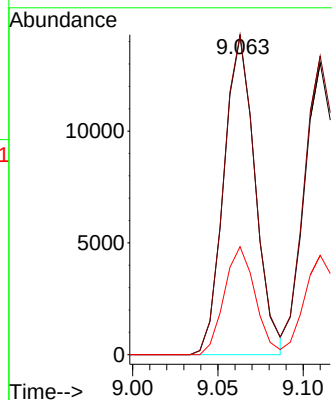
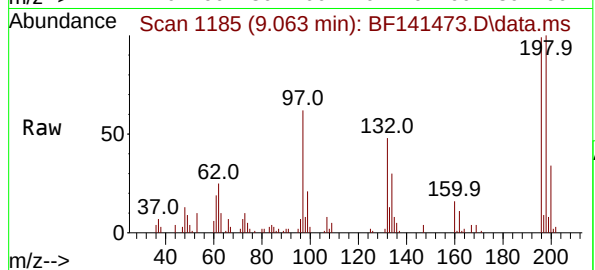
Tgt Ion:196 Resp: 18144

Ion Ratio Lower Upper

196 100

198 100.6 80.6 121.0

200 34.0 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 4.750 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:196 Resp: 19204

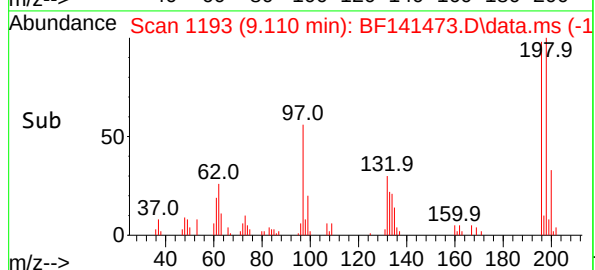
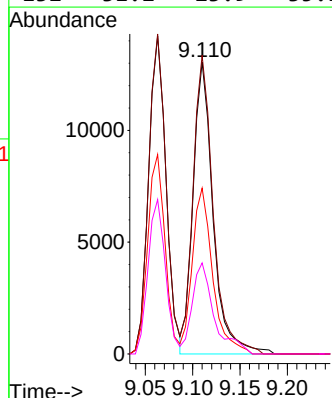
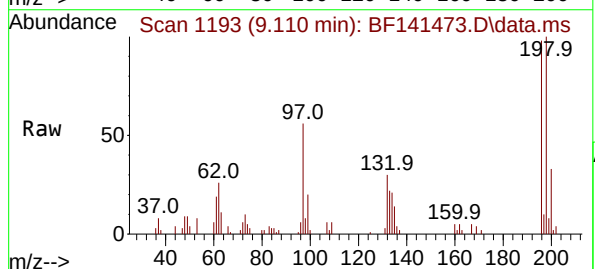
Ion Ratio Lower Upper

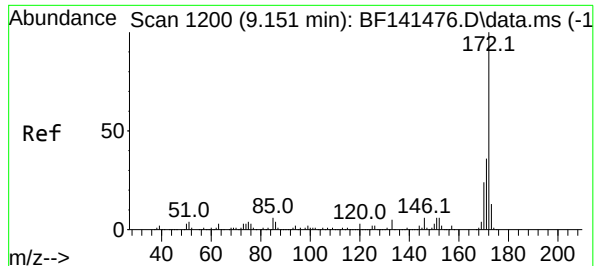
196 100

198 102.3 79.8 119.8

97 56.8 44.8 67.2

132 31.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 10.573 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

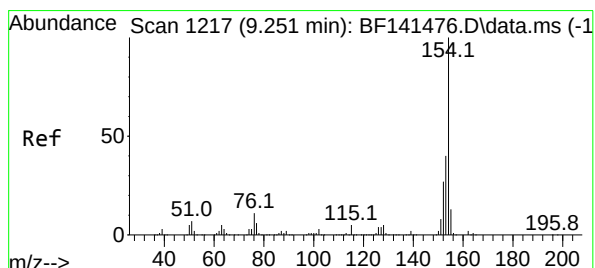
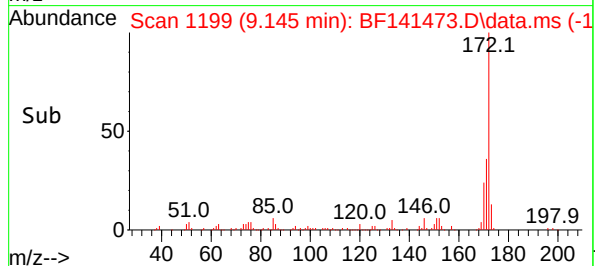
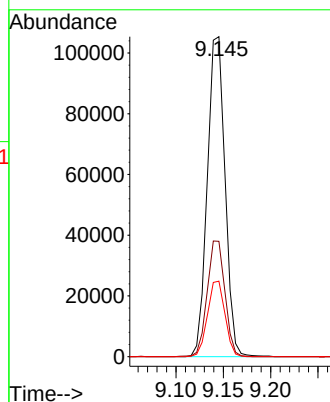
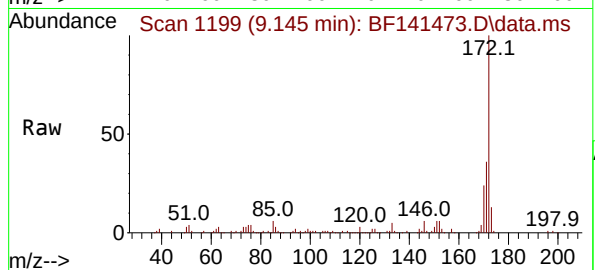
Tgt Ion:172 Resp: 136925

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 5.103 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

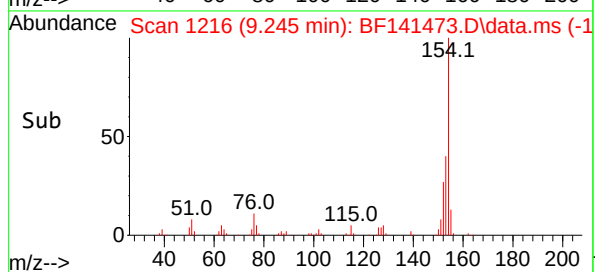
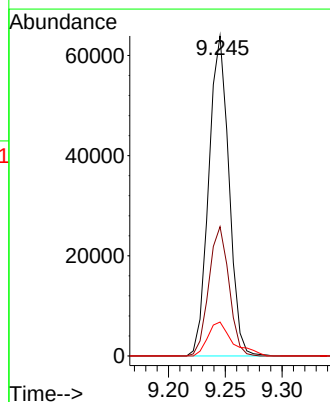
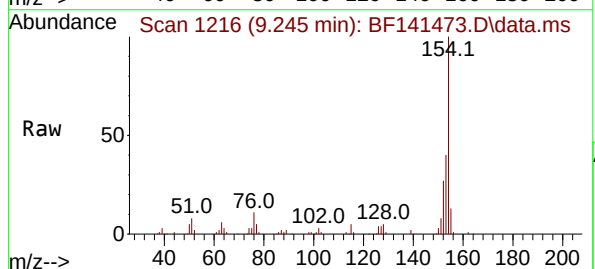
Tgt Ion:154 Resp: 78931

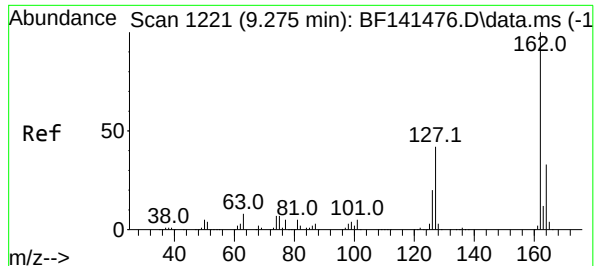
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 10.6 0.0 30.8





#47

2-Chloronaphthalene

Concen: 5.088 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

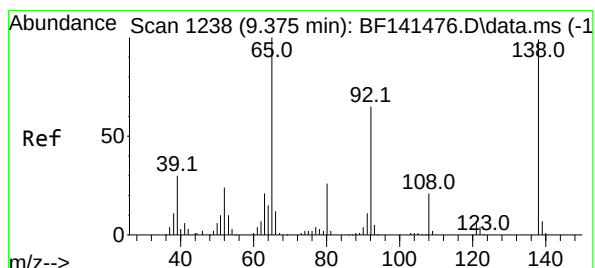
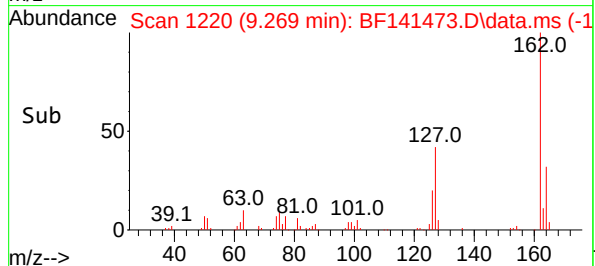
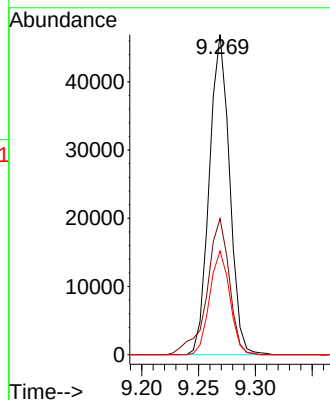
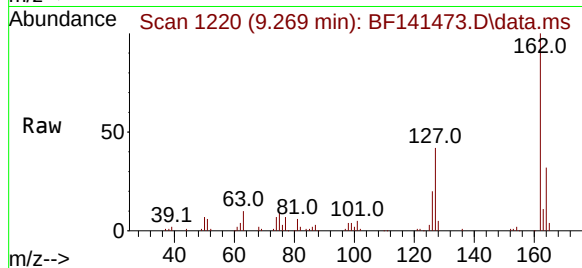
Tgt Ion:162 Resp: 58201

Ion Ratio Lower Upper

162 100

127 42.5 34.1 51.1

164 32.4 26.3 39.5



#48

2-Nitroaniline

Concen: 4.818 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

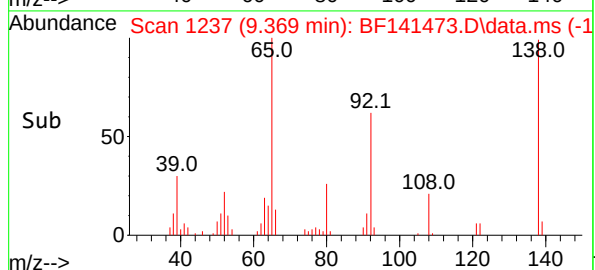
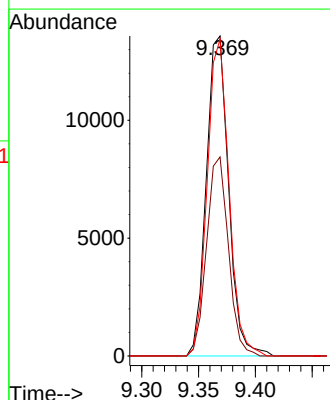
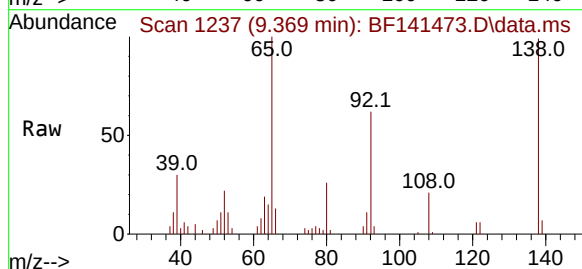
Tgt Ion: 65 Resp: 18494

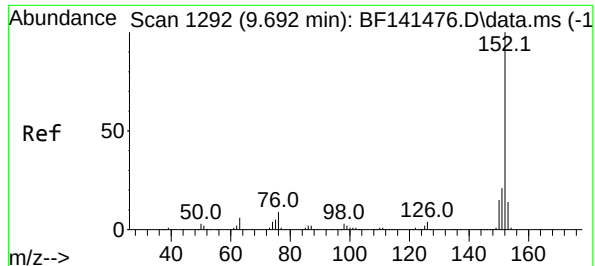
Ion Ratio Lower Upper

65 100

92 62.2 52.2 78.2

138 99.0 79.5 119.3





#49

Acenaphthylene

Concen: 5.097 ng

RT: 9.681 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

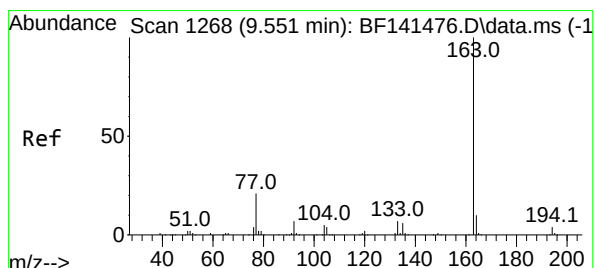
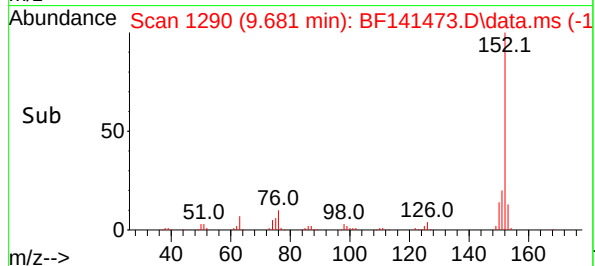
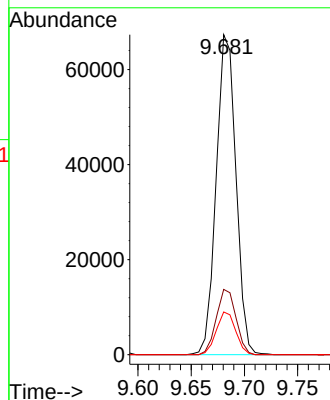
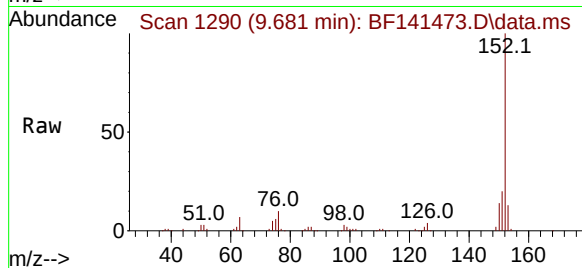
Tgt Ion:152 Resp: 86721

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 13.4 10.9 16.3



#50

Dimethylphthalate

Concen: 5.088 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

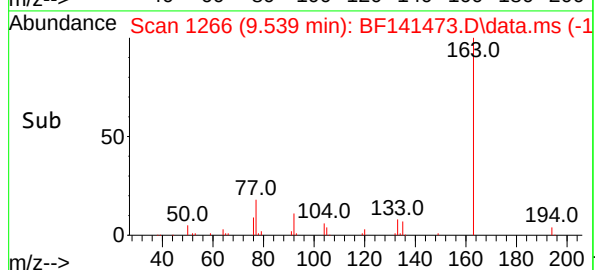
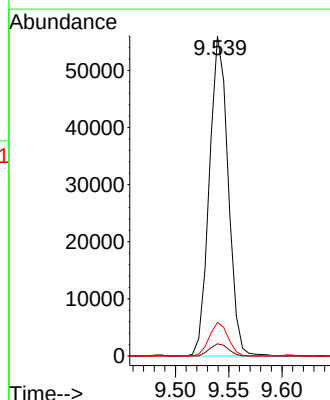
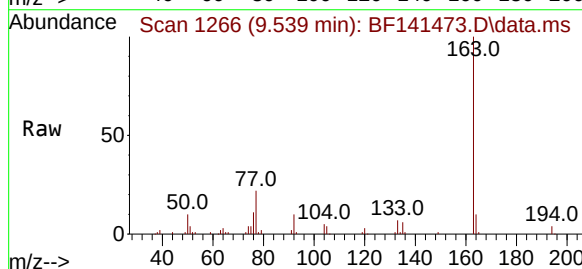
Tgt Ion:163 Resp: 68921

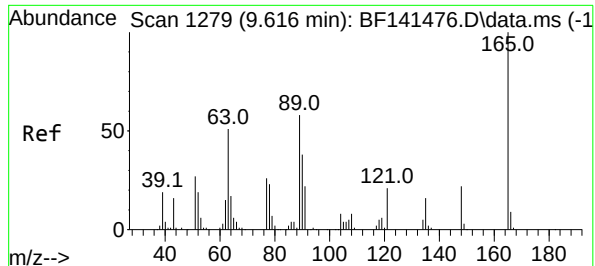
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.5 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 4.861 ng

RT: 9.604 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

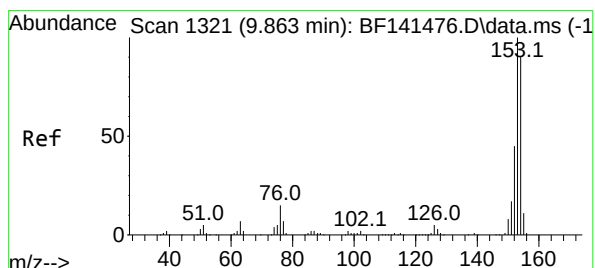
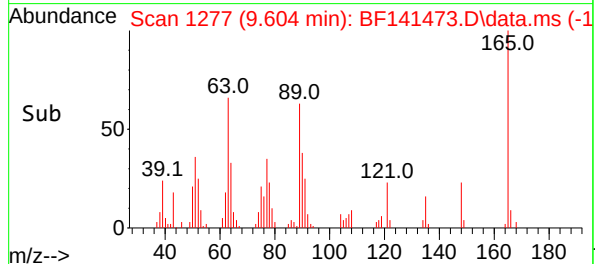
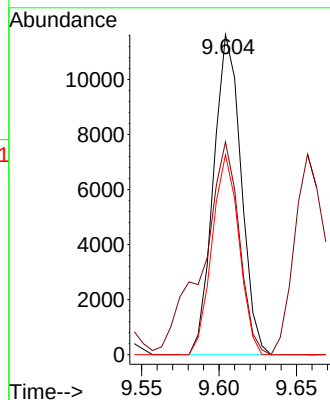
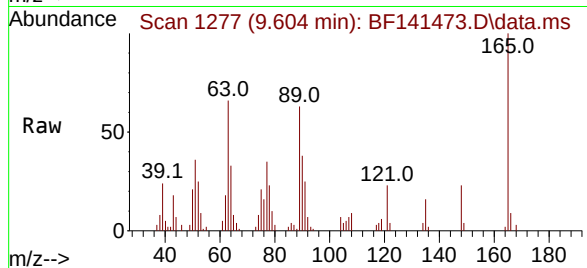
Tgt Ion:165 Resp: 14394

Ion Ratio Lower Upper

165 100

63 66.5 49.4 74.0

89 62.5 46.5 69.7



#52

Acenaphthene

Concen: 5.171 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

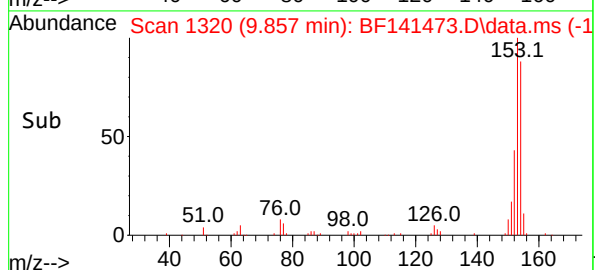
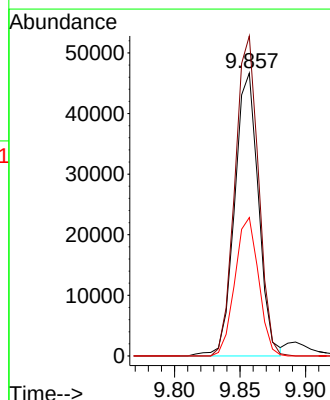
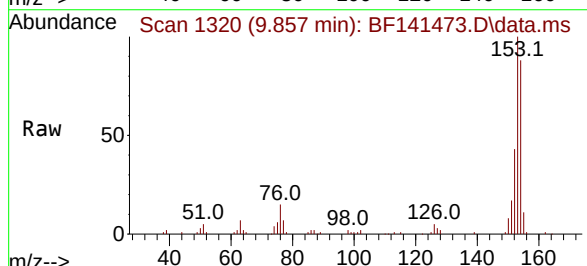
Tgt Ion:154 Resp: 59139

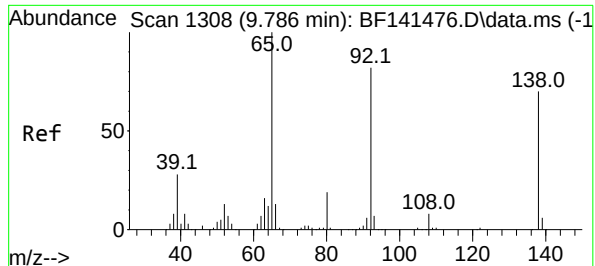
Ion Ratio Lower Upper

154 100

153 113.1 89.2 133.8

152 48.9 39.8 59.8

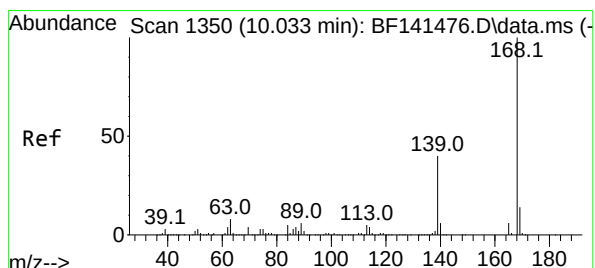
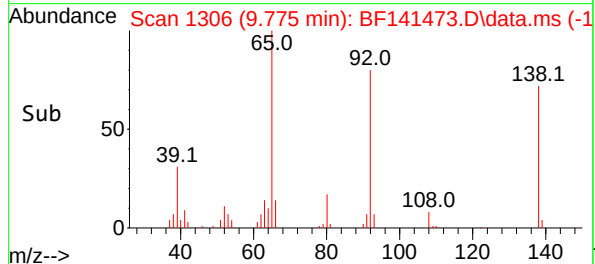
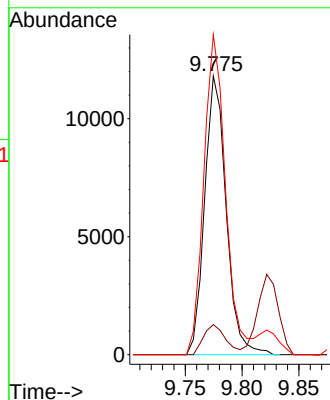
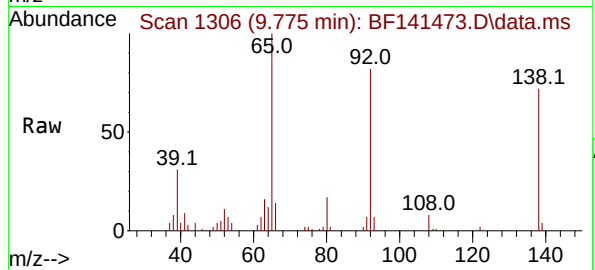




#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

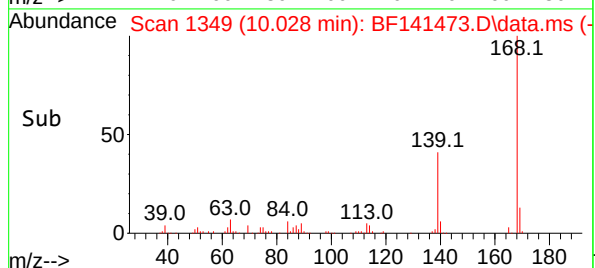
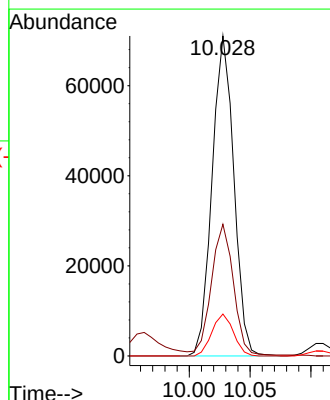
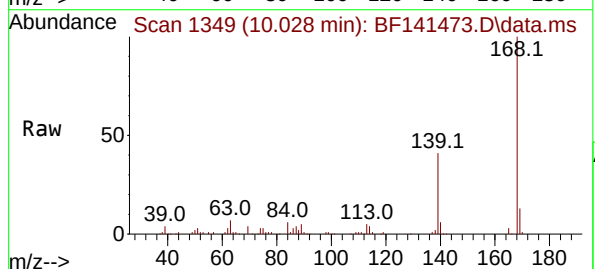
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

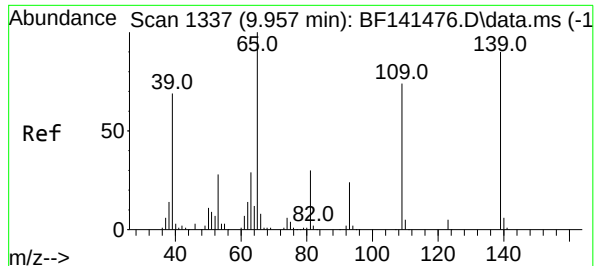
Tgt Ion:138 Resp: 15563
Ion Ratio Lower Upper
138 100
108 10.8 9.0 13.4
92 114.8 93.7 140.5



#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:168 Resp: 88178
Ion Ratio Lower Upper
168 100
139 41.2 32.7 49.1
169 13.1 10.8 16.2

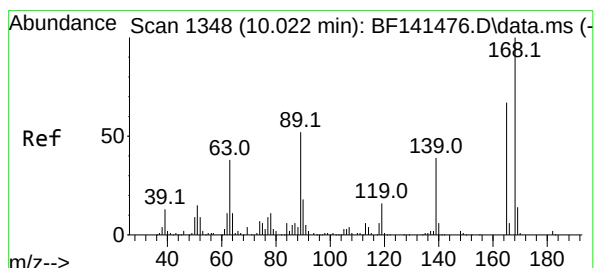
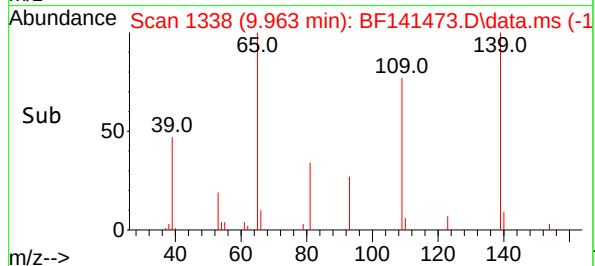
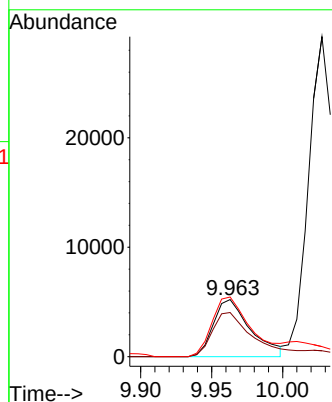
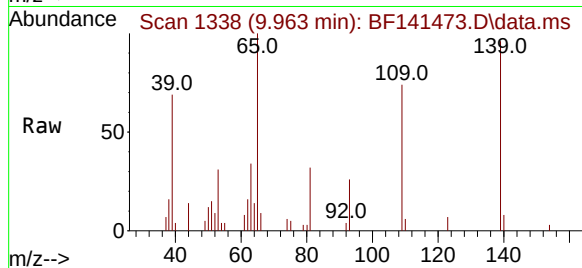




#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

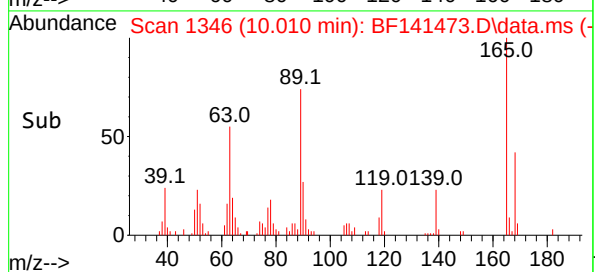
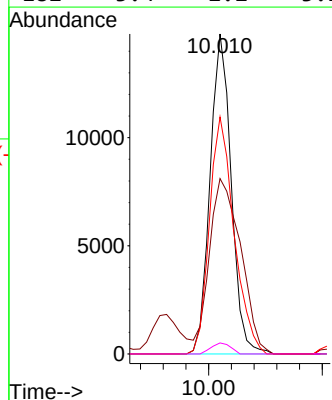
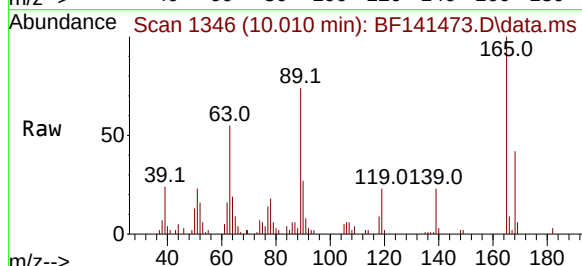
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

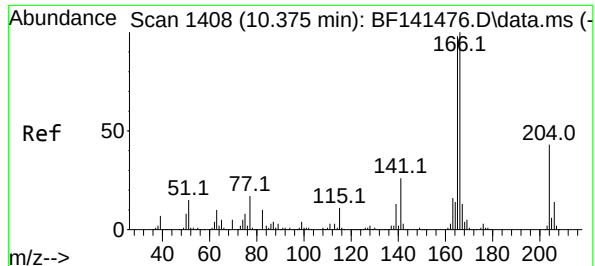
Tgt Ion:139 Resp: 9482
Ion Ratio Lower Upper
139 100
109 77.2 62.0 102.0
65 104.4 91.2 131.2



#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:165 Resp: 19087
Ion Ratio Lower Upper
165 100
63 54.8 46.4 69.6
89 74.0 61.8 92.6
182 3.4 2.2 3.2#

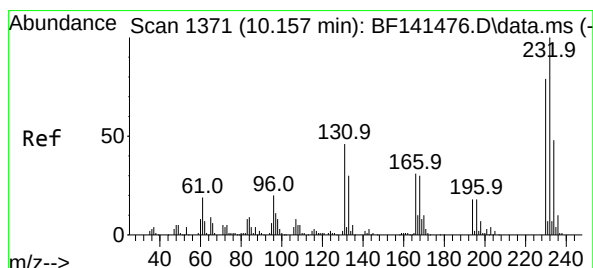
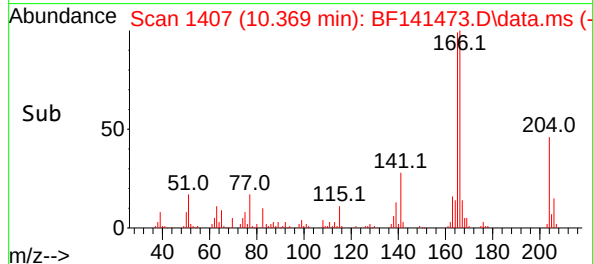
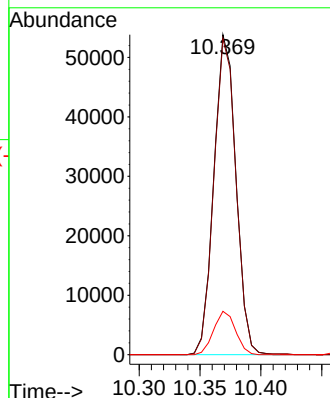
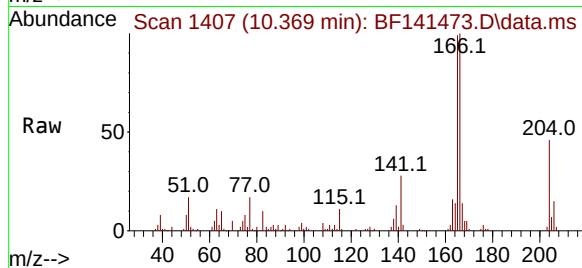




#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

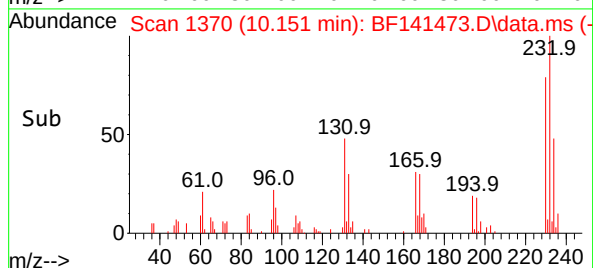
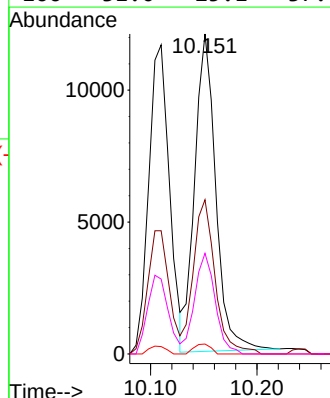
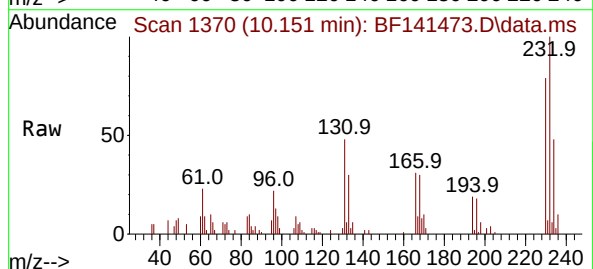
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

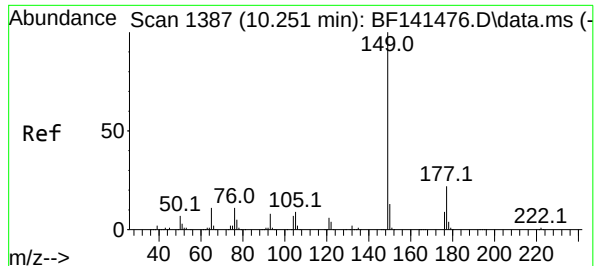
Tgt Ion:166 Resp: 67764
Ion Ratio Lower Upper
166 100
165 98.8 78.2 117.2
167 13.5 10.7 16.1



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:232 Resp: 16570
Ion Ratio Lower Upper
232 100
131 50.2 39.2 58.8
130 2.5 2.1 3.1
166 31.0 25.1 37.7





#60

Diethylphthalate

Concen: 5.241 ng

RT: 10.239 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

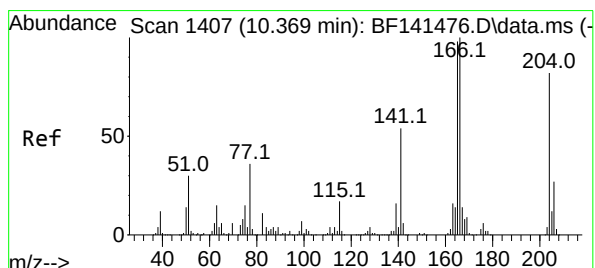
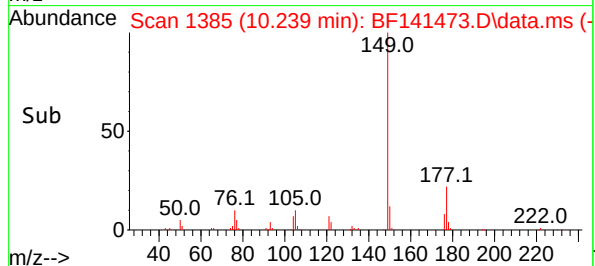
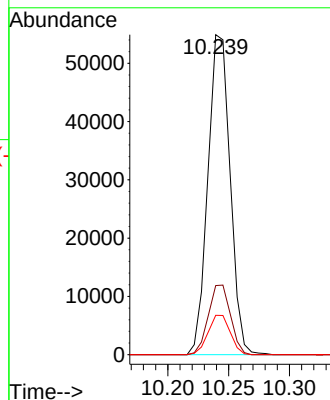
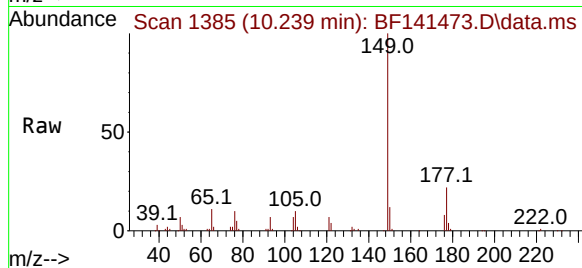
Tgt Ion:149 Resp: 69845

Ion Ratio Lower Upper

149 100

177 21.6 17.8 26.6

150 12.3 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 5.277 ng

RT: 10.363 min Scan# 1406

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

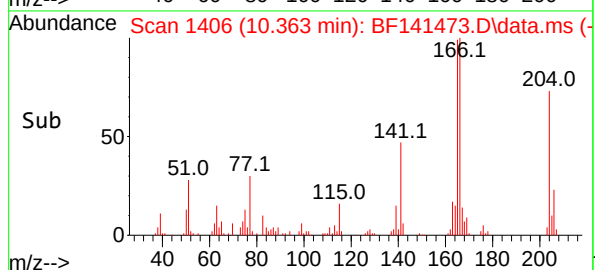
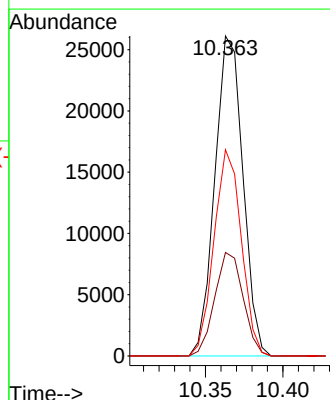
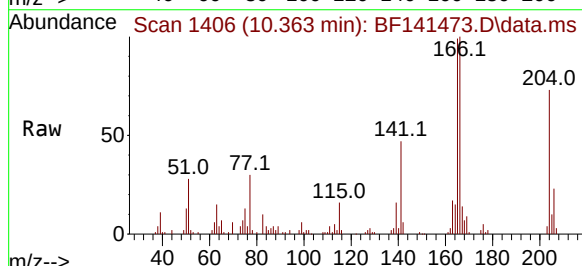
Tgt Ion:204 Resp: 32951

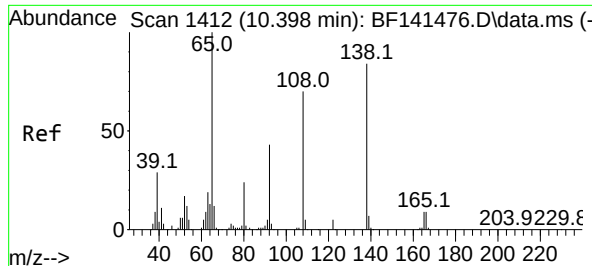
Ion Ratio Lower Upper

204 100

206 32.3 26.6 40.0

141 64.4 51.9 77.9

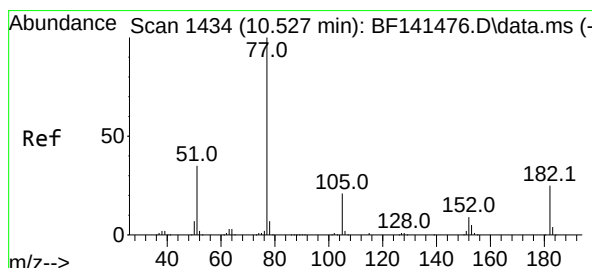
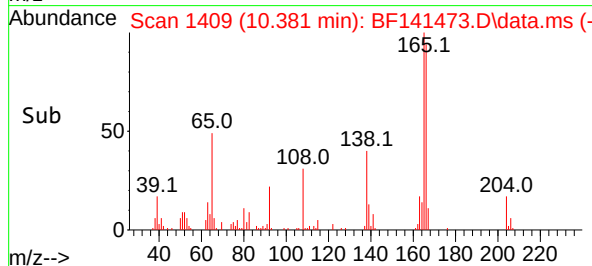
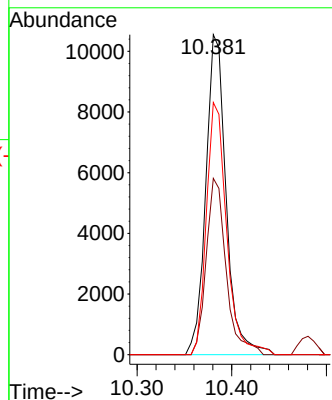
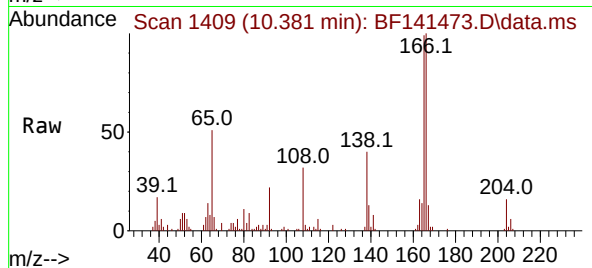




#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 1412
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

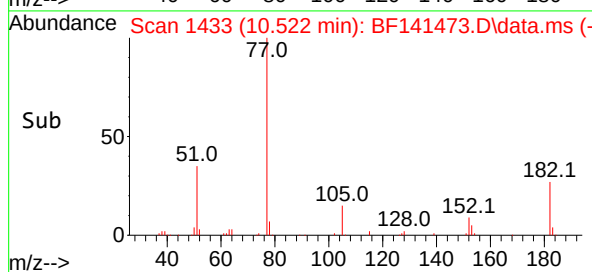
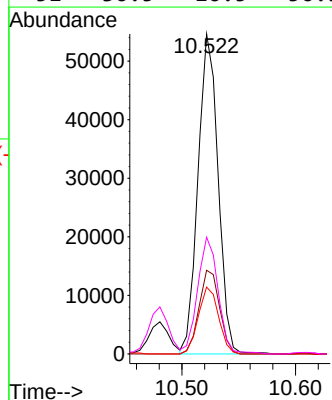
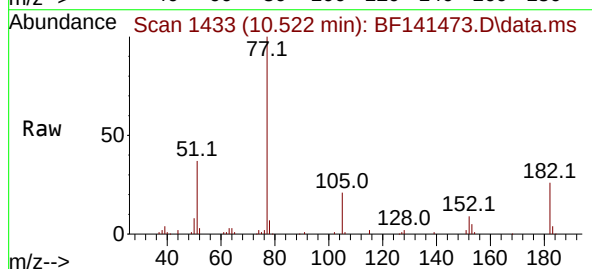
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

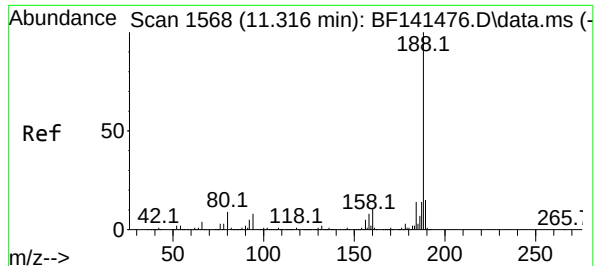
Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.1	31.3	71.3
108	78.8	63.7	103.7



#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.2	4.7	44.7
105	20.9	0.4	40.4
51	36.5	16.5	56.5

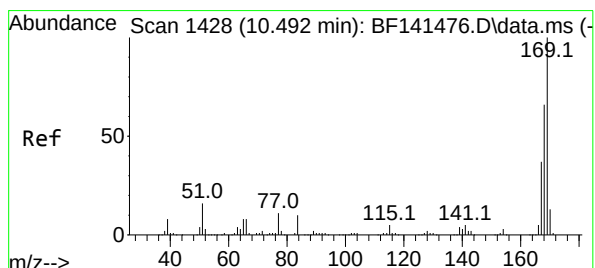
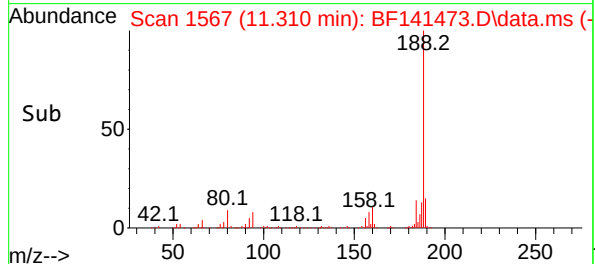
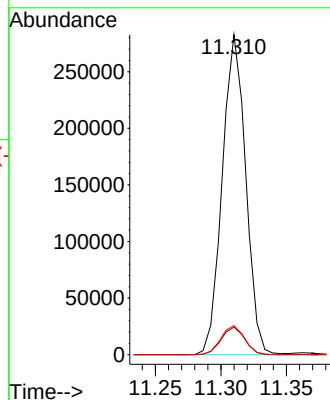
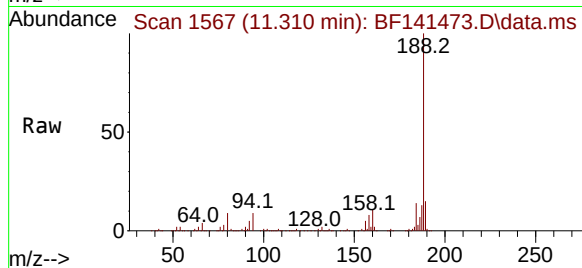




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

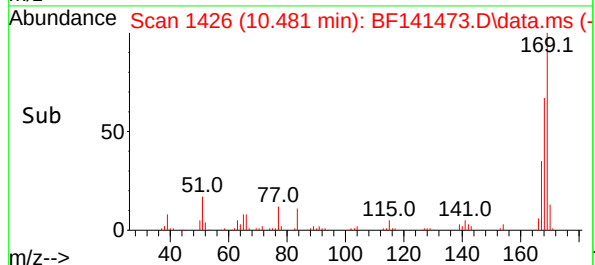
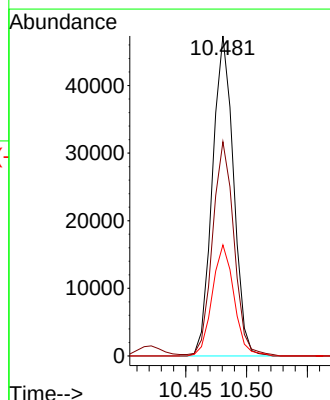
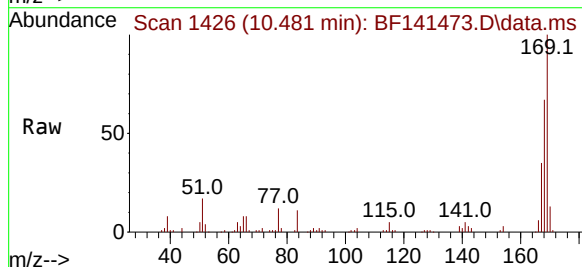
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

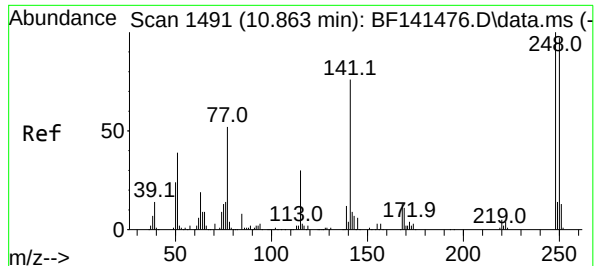
Tgt Ion:188 Resp: 351213
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.1 7.3 10.9



#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:169 Resp: 57063
Ion Ratio Lower Upper
169 100
168 66.9 53.3 79.9
167 34.7 29.4 44.2





#67

4-Bromophenyl-phenylether

Concen: 5.098 ng

RT: 10.857 min Scan# 1490

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

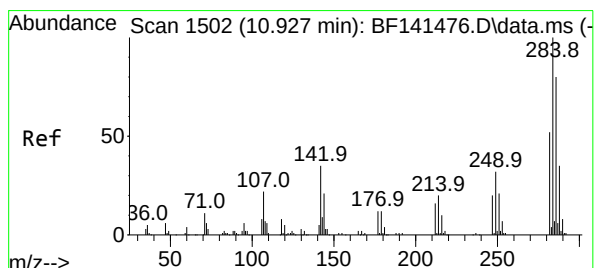
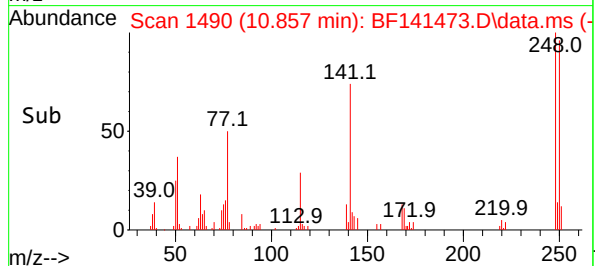
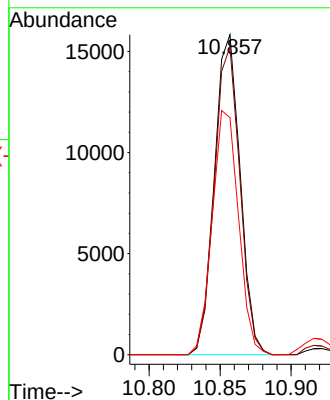
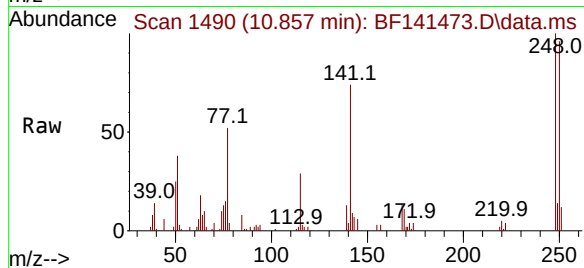
Tgt Ion:248 Resp: 20012

Ion Ratio Lower Upper

248 100

250 96.2 77.8 116.6

141 74.1 60.6 90.8



#68

Hexachlorobenzene

Concen: 4.982 ng

RT: 10.922 min Scan# 1501

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

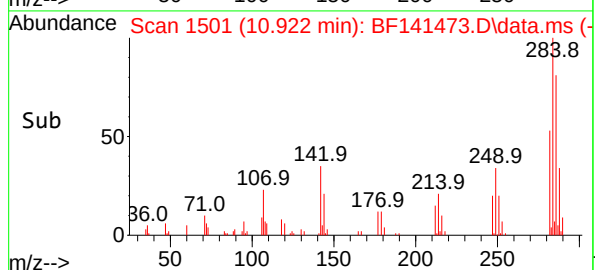
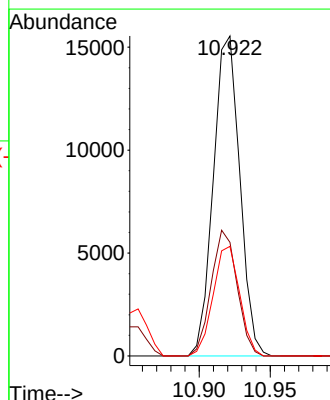
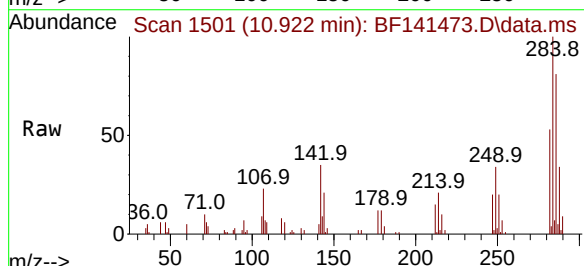
Tgt Ion:284 Resp: 20138

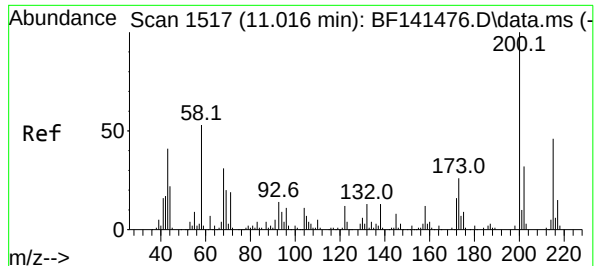
Ion Ratio Lower Upper

284 100

142 35.5 28.0 42.0

249 34.3 25.8 38.8





#69

Atrazine

Concen: 5.194 ng

RT: 11.010 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

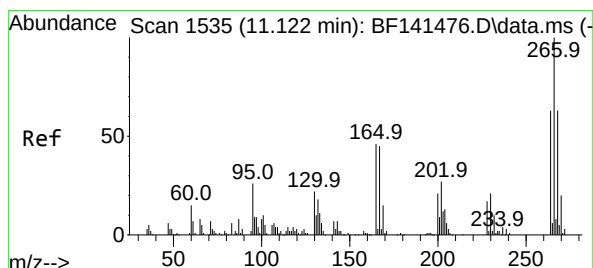
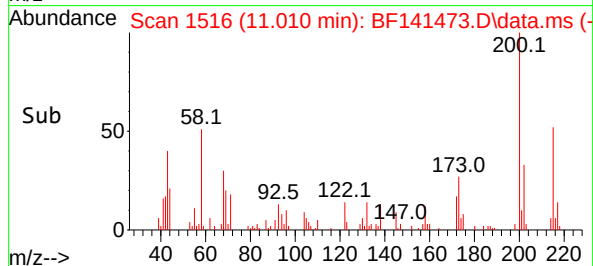
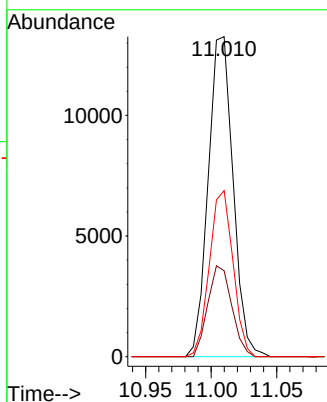
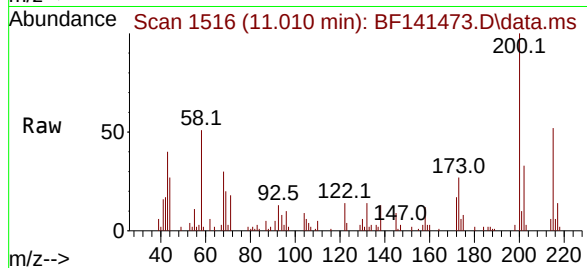
Tgt Ion:200 Resp: 17519

Ion Ratio Lower Upper

200 100

173 26.9 5.9 45.9

215 51.9 25.9 65.9



#70

Pentachlorophenol

Concen: 3.928 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

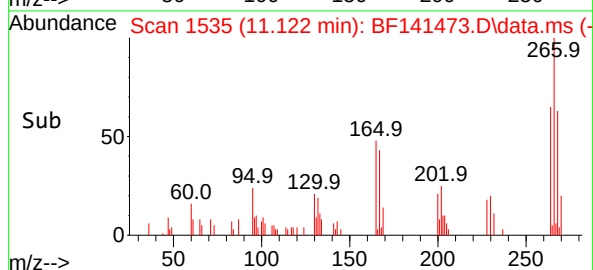
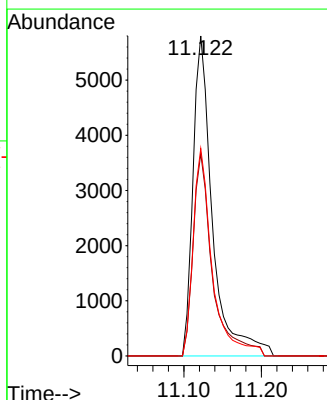
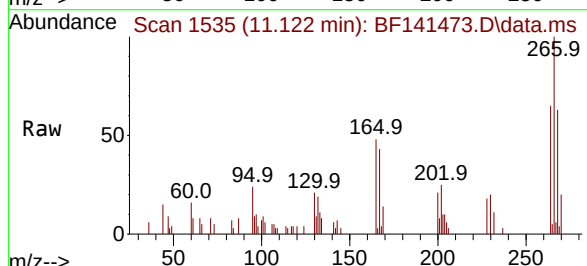
Tgt Ion:266 Resp: 10151

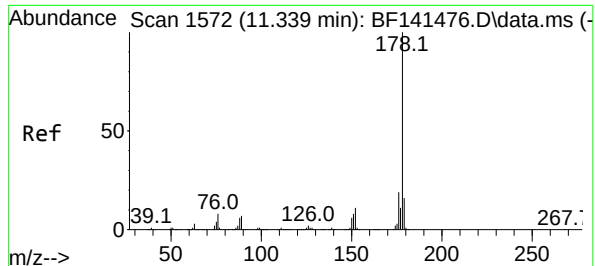
Ion Ratio Lower Upper

266 100

268 63.2 50.1 75.1

264 64.8 50.1 75.1

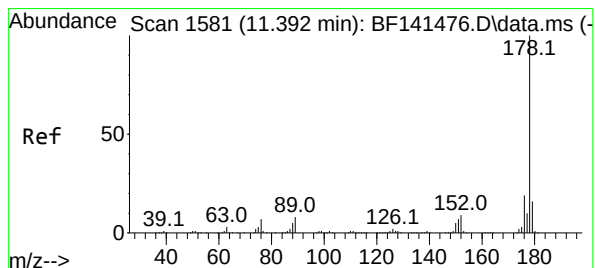
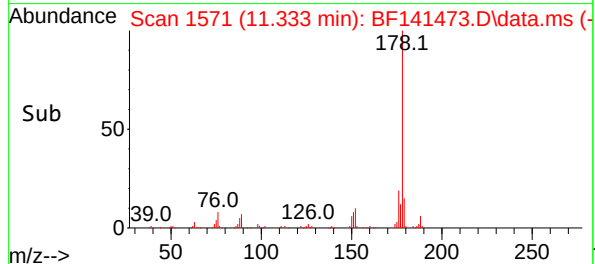
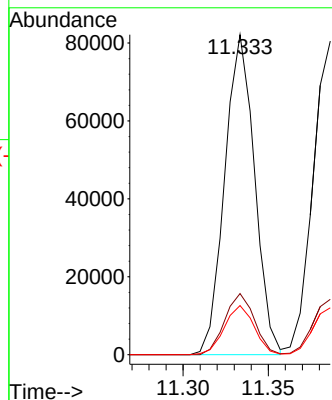
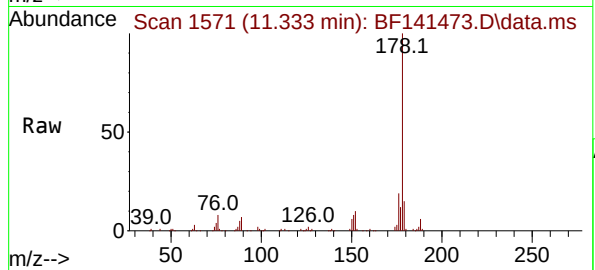




#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

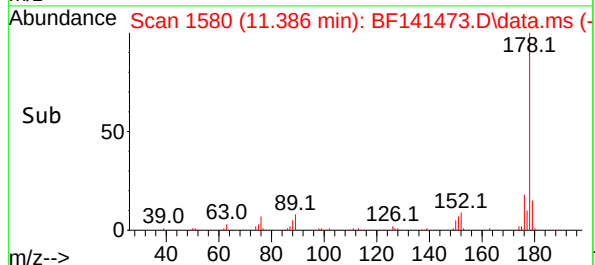
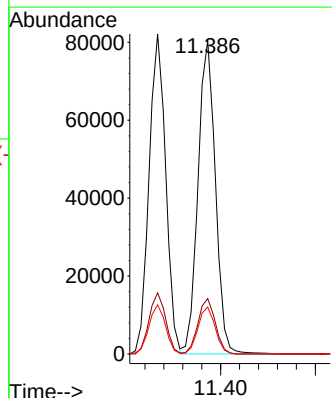
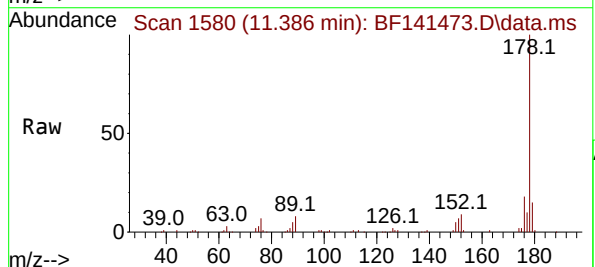
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

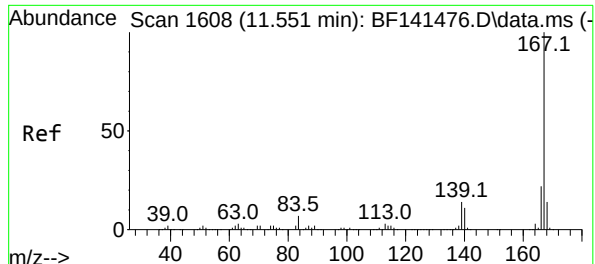
Tgt Ion:178 Resp: 100202
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:178 Resp: 102596
Ion Ratio Lower Upper
178 100
176 17.6 14.8 22.2
179 15.0 12.4 18.6

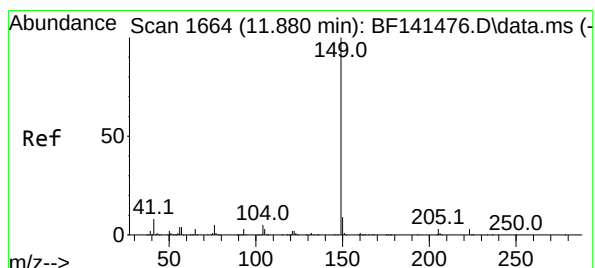
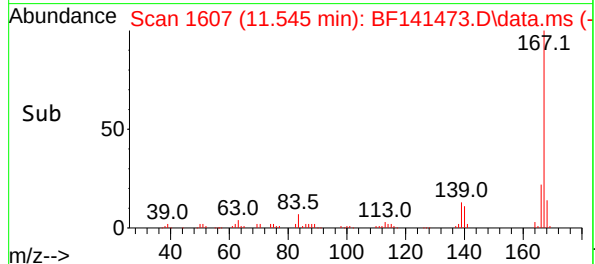
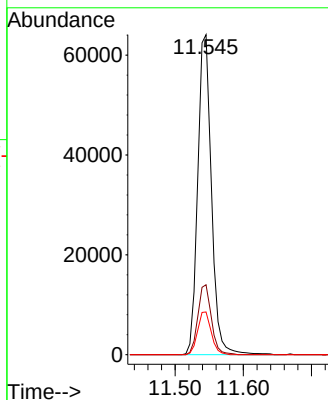
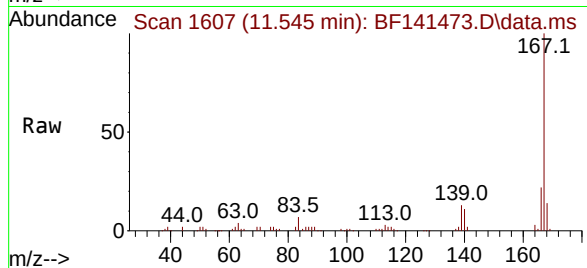




#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

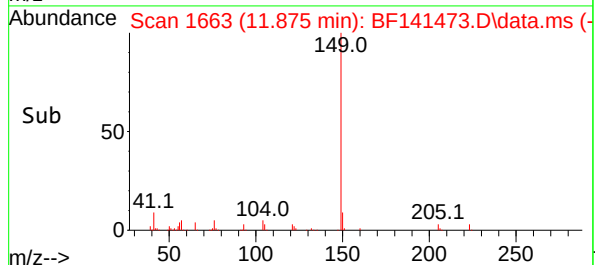
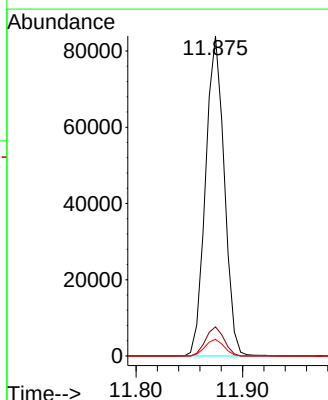
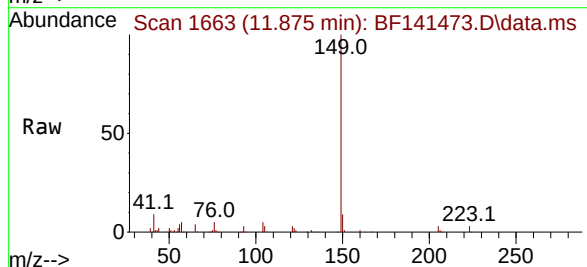
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

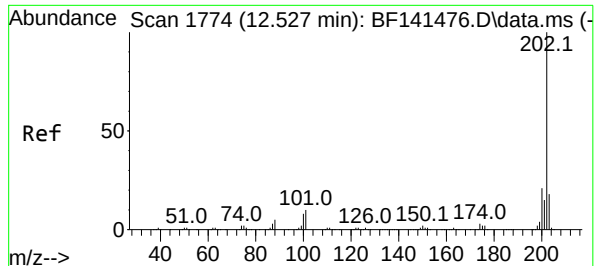
Tgt Ion:167 Resp: 89721
Ion Ratio Lower Upper
167 100
166 21.9 17.4 26.2
139 13.4 10.9 16.3



#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 102296
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 4.2 6.2

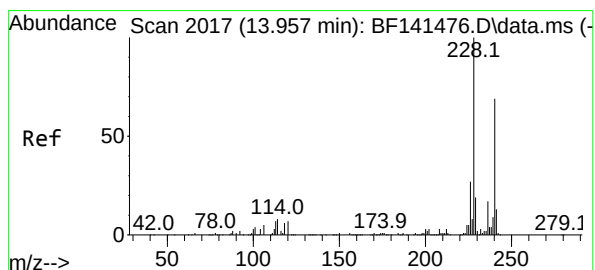
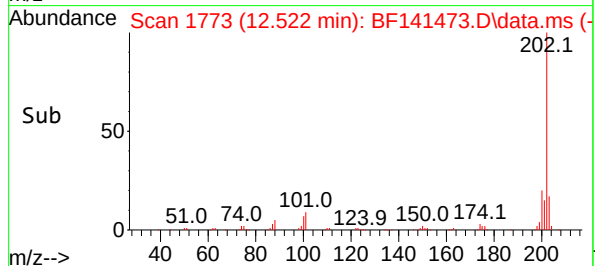
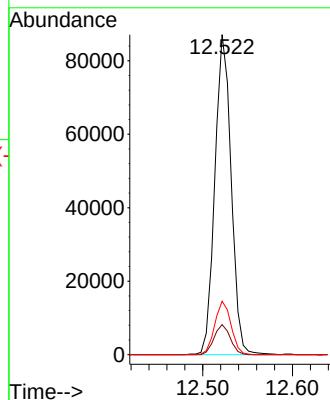
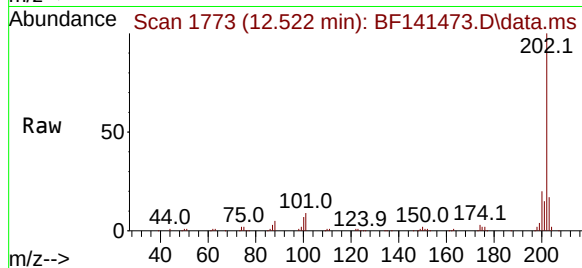




#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

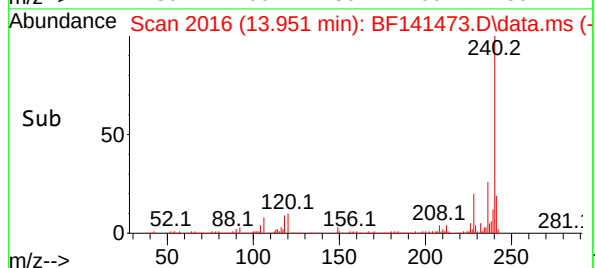
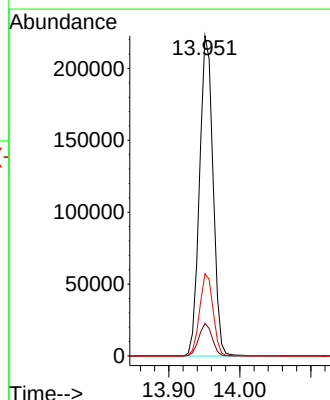
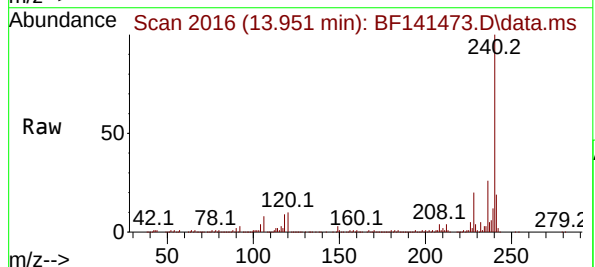
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

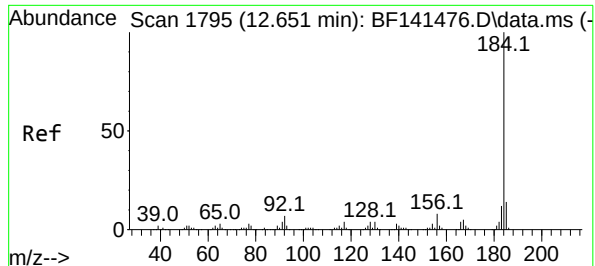
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	16.7	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.7	19.8	29.8





#77

Benzidine

Concen: 5.370 ng

RT: 12.651 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

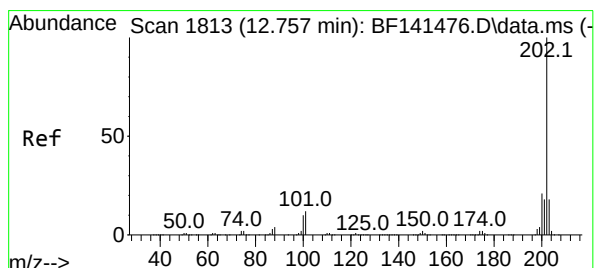
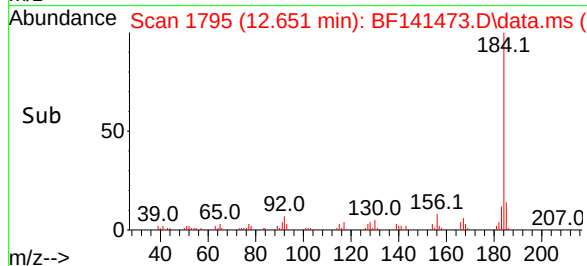
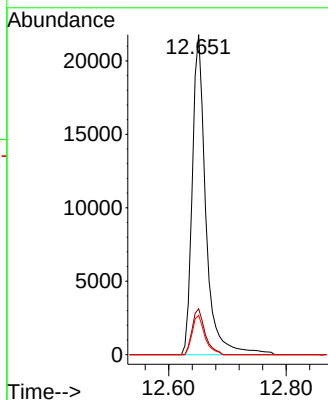
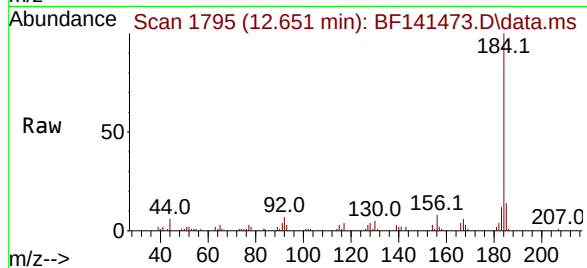
Tgt Ion:184 Resp: 34946

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

183 12.3 9.3 13.9



#78

Pyrene

Concen: 4.486 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

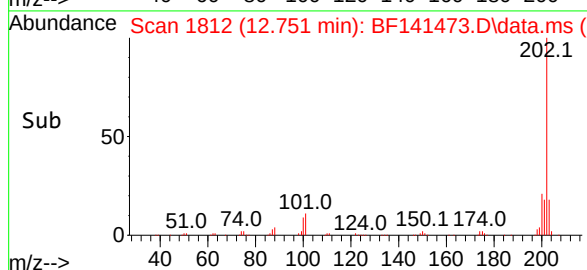
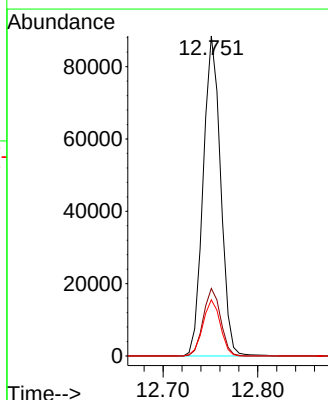
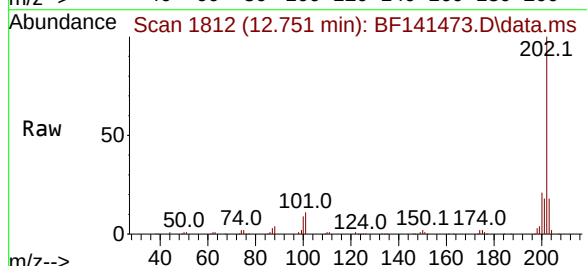
Tgt Ion:202 Resp: 112700

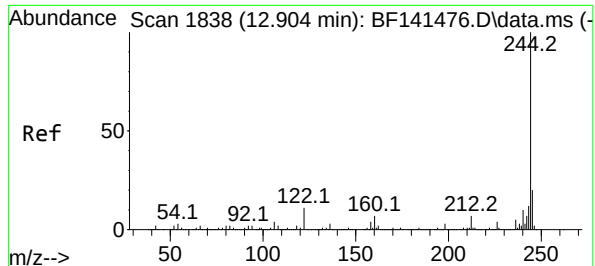
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.6 14.3 21.5

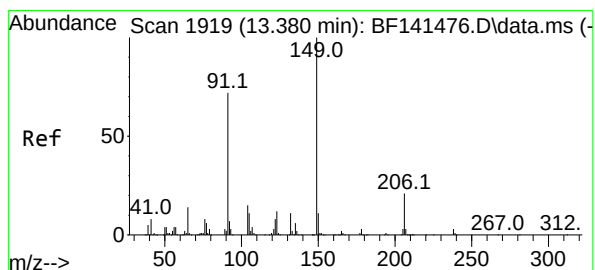
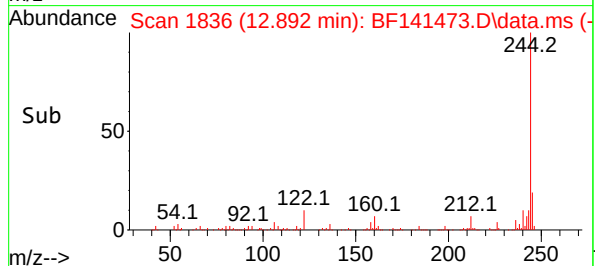
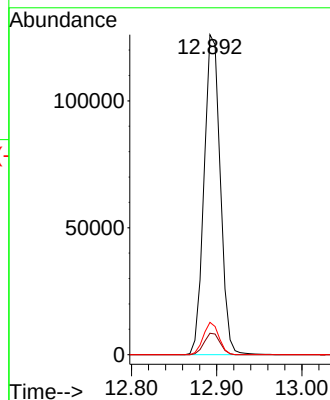
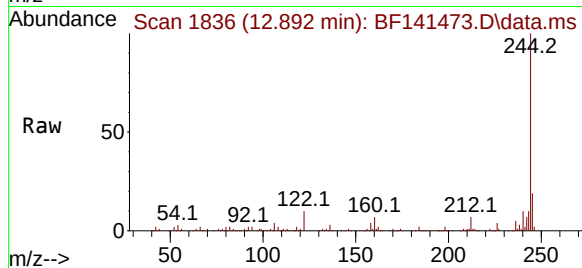




#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

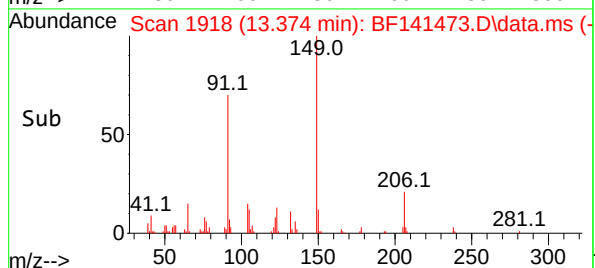
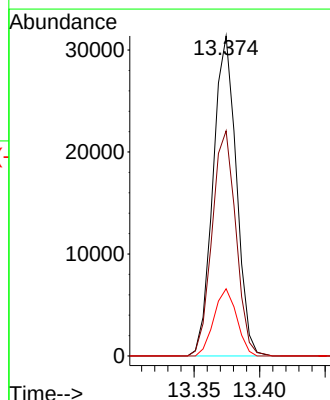
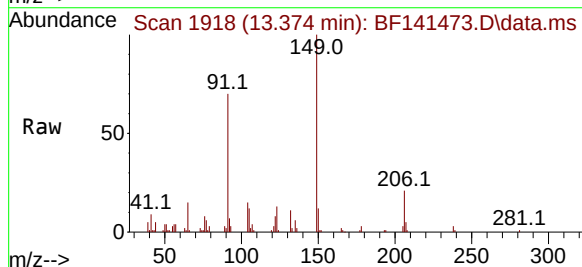
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

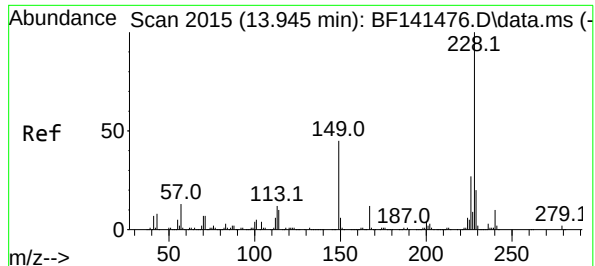
Tgt Ion:244 Resp: 166601
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.1 8.4 12.6



#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 38714
Ion Ratio Lower Upper
149 100
91 70.4 57.8 86.8
206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 5.193 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

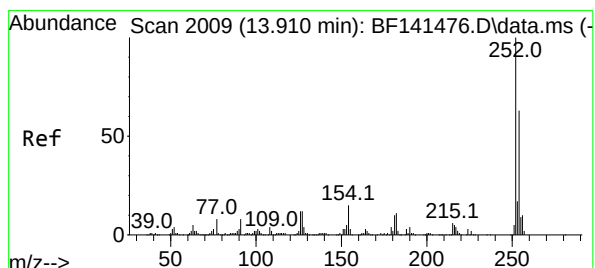
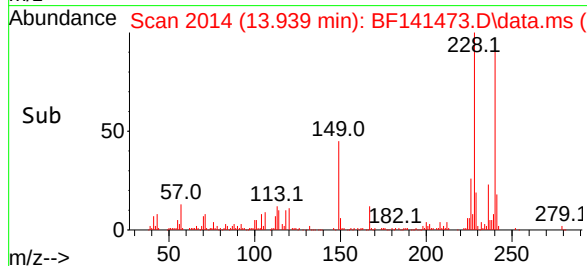
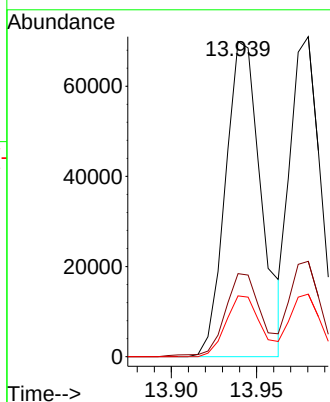
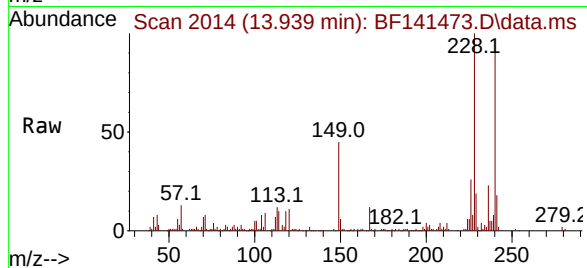
Tgt Ion:228 Resp: 101861

Ion Ratio Lower Upper

228 100

226 26.4 21.8 32.8

229 19.3 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 5.216 ng

RT: 13.910 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

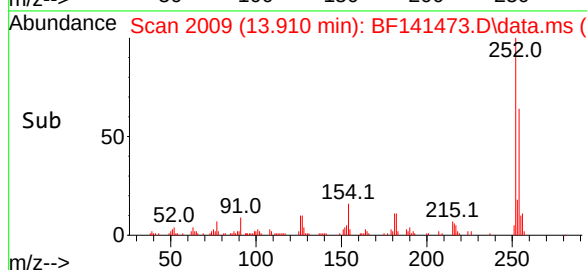
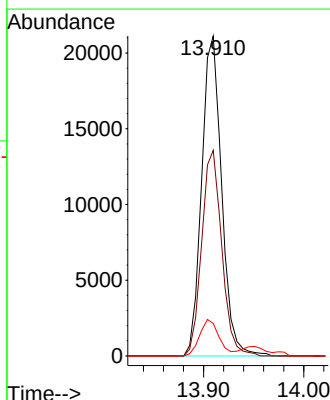
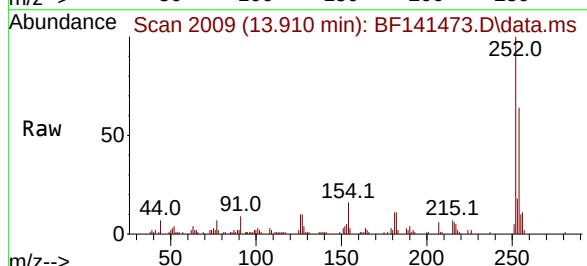
Tgt Ion:252 Resp: 29306

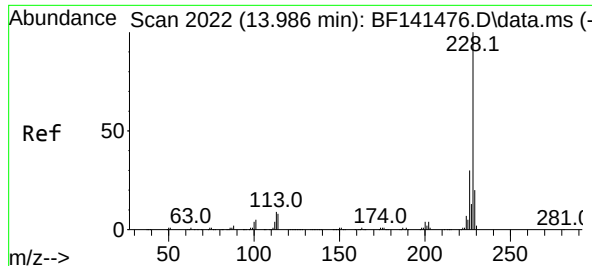
Ion Ratio Lower Upper

252 100

254 64.2 50.6 76.0

126 10.2 9.3 13.9





#83

Chrysene

Concen: 4.834 ng

RT: 13.980 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

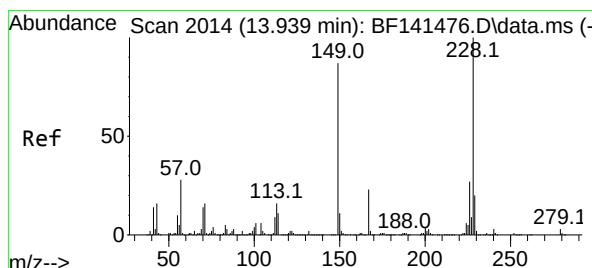
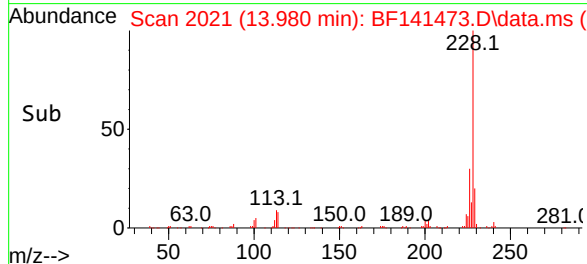
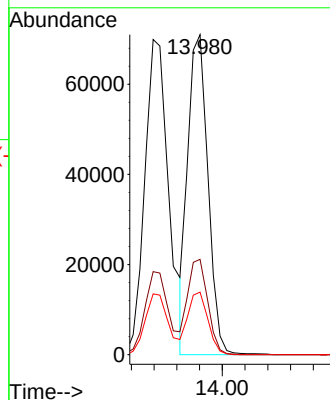
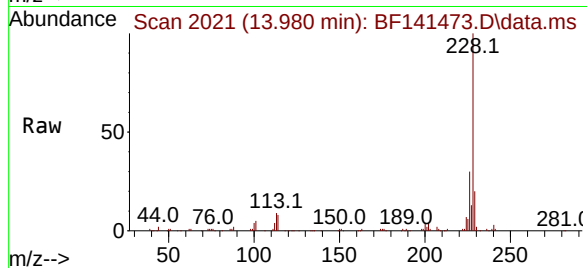
Tgt Ion:228 Resp: 87555

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 19.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.457 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

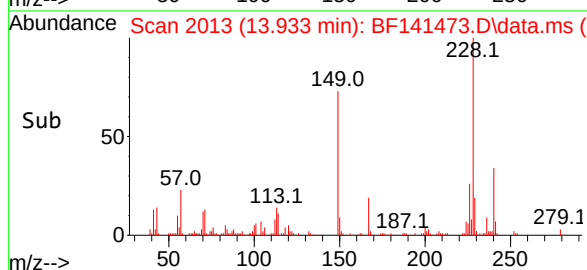
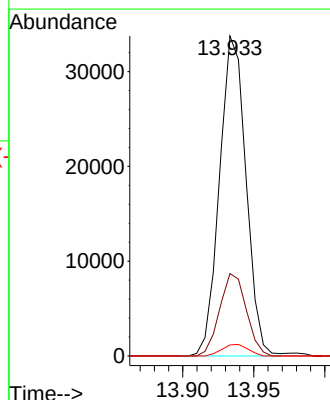
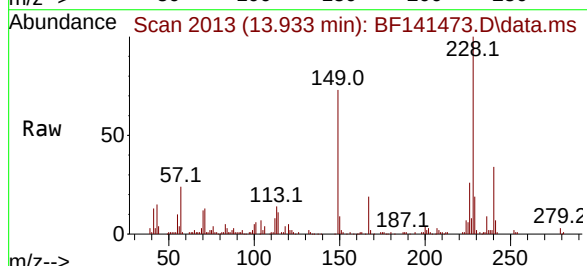
Tgt Ion:149 Resp: 43735

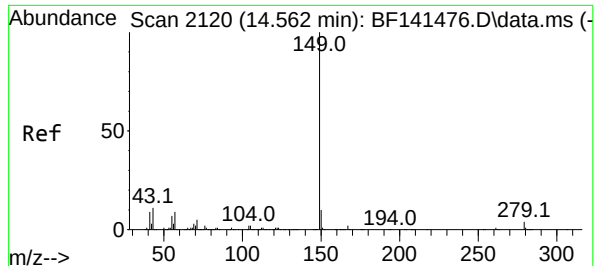
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.4 3.1 4.7

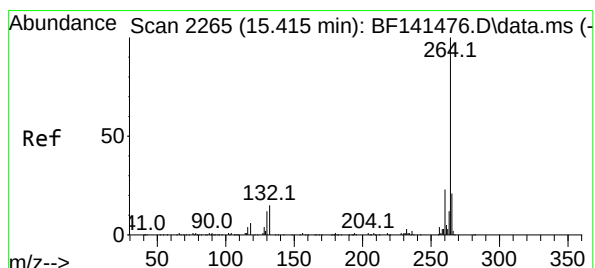
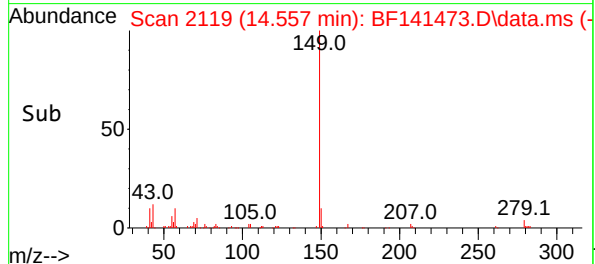
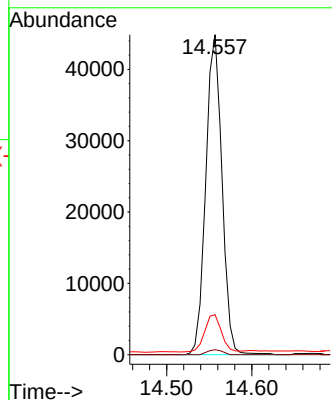
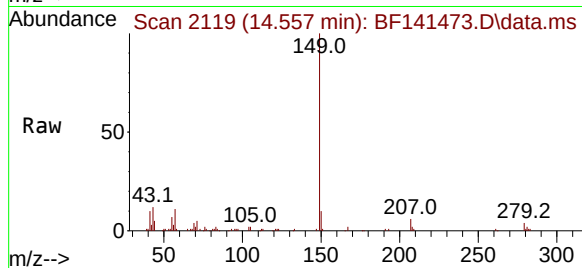




#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

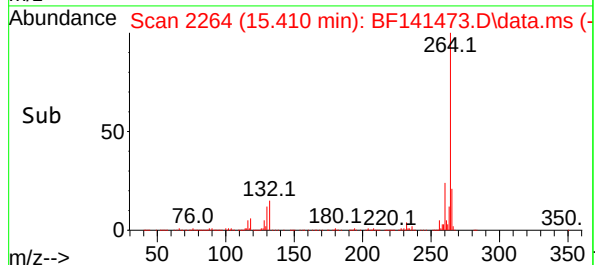
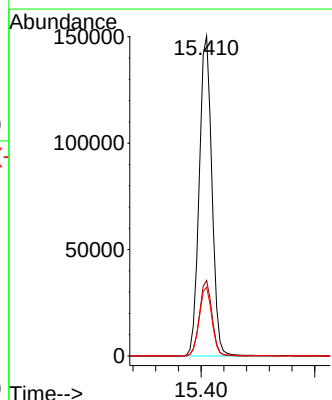
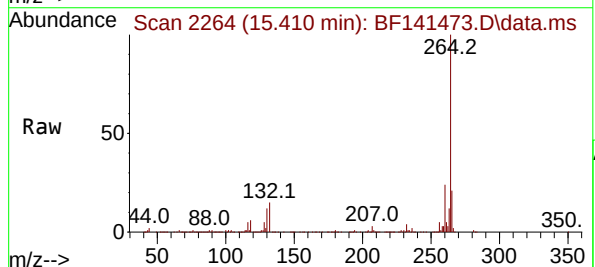
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

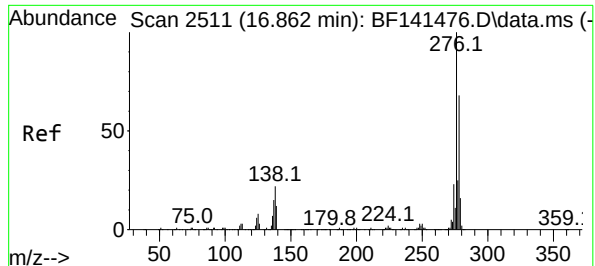
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	12.0	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.993 ng

RT: 16.839 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

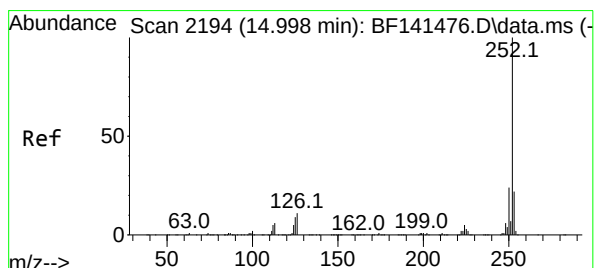
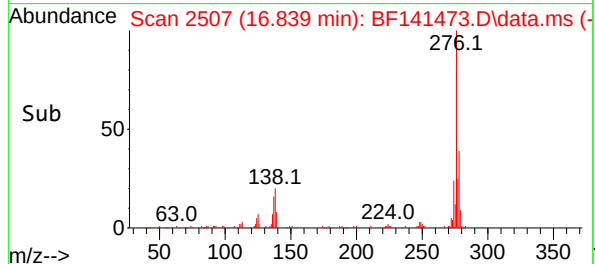
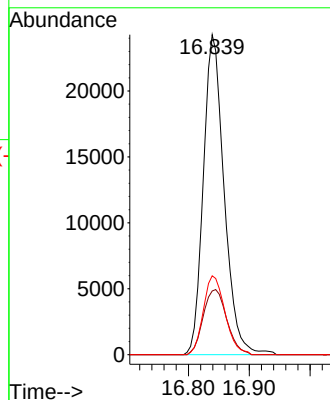
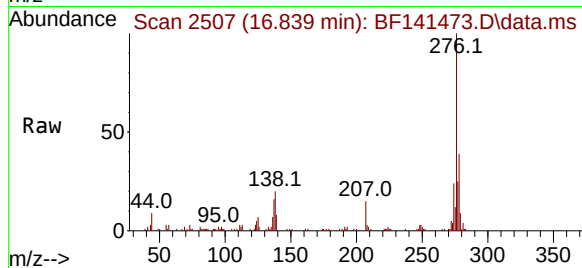
Tgt Ion:276 Resp: 57572

Ion Ratio Lower Upper

276 100

138 23.1 18.0 27.0

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 4.789 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

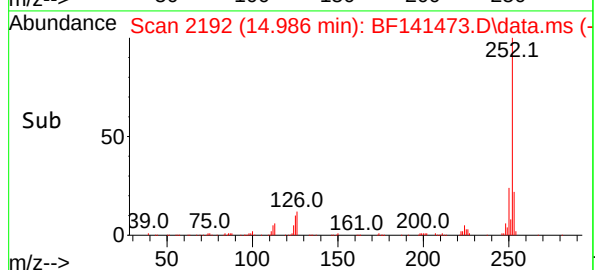
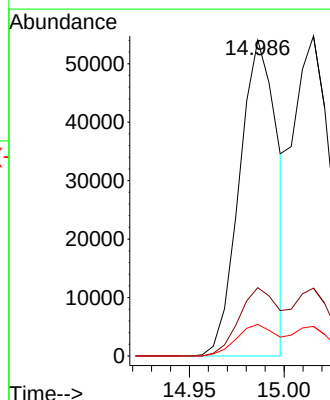
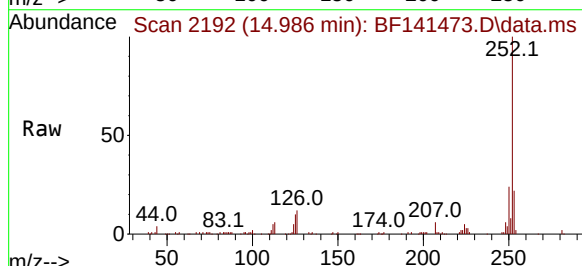
Tgt Ion:252 Resp: 75033

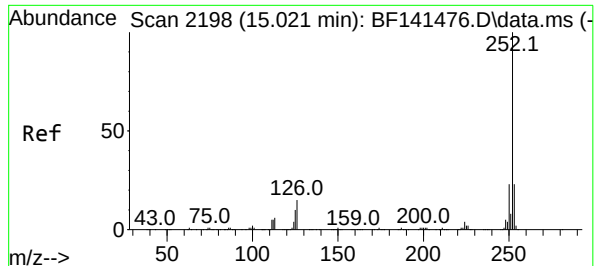
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 4.853 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

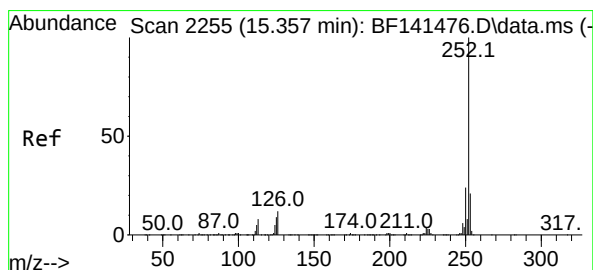
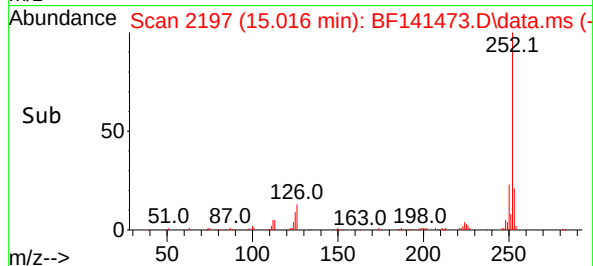
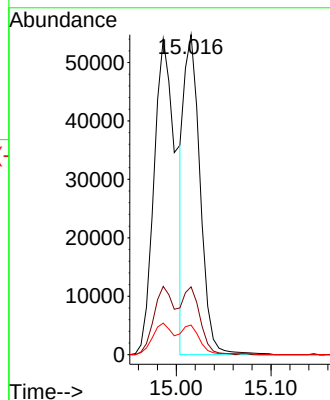
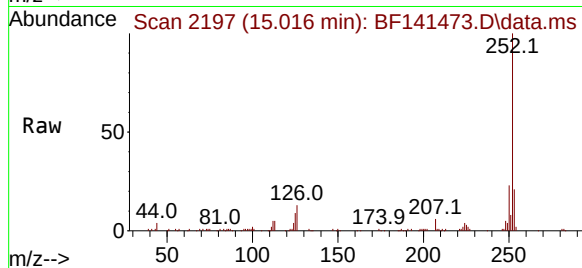
Tgt Ion:252 Resp: 64919

Ion Ratio Lower Upper

252 100

253 21.2 18.0 27.0

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 4.993 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

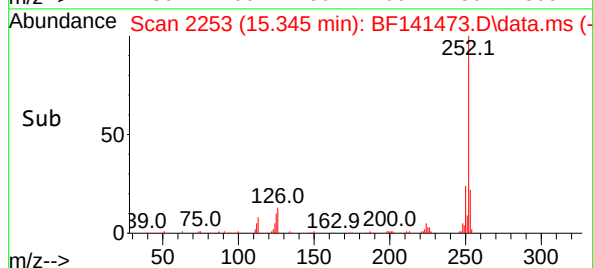
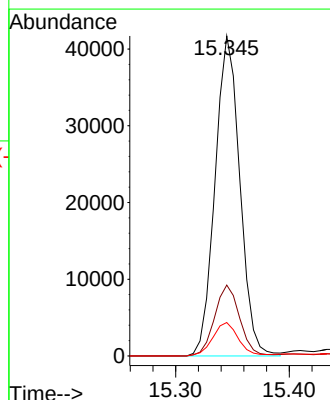
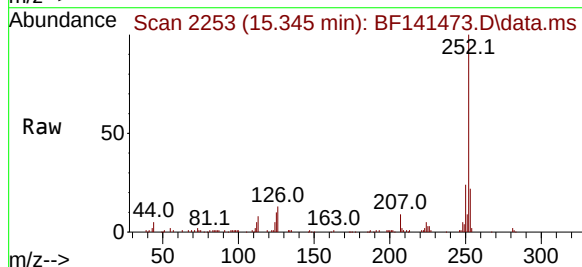
Tgt Ion:252 Resp: 63295

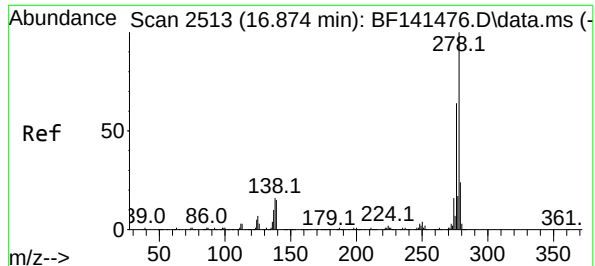
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 10.4 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 3.974 ng

RT: 16.857 min Scan# 2510

Delta R.T. -0.035 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

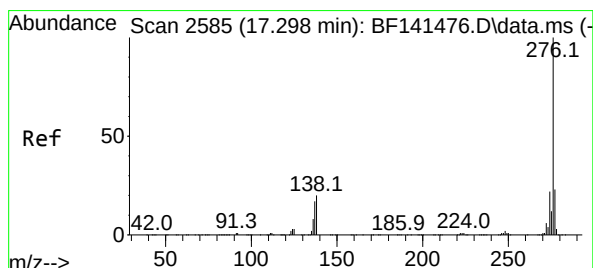
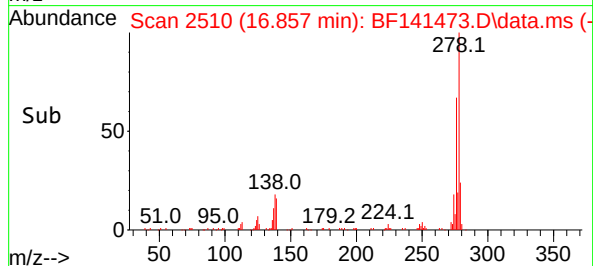
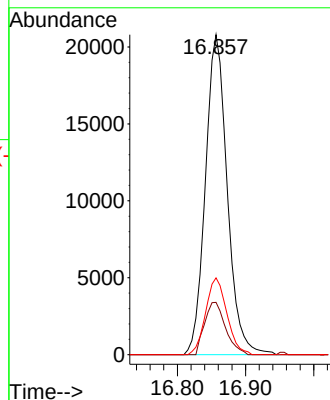
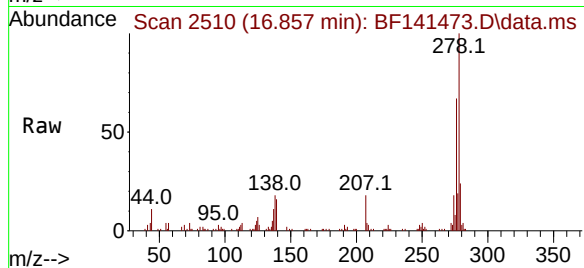
Tgt Ion:278 Resp: 46421

Ion Ratio Lower Upper

278 100

139 16.4 11.8 17.6

279 24.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 3.841 ng

RT: 17.274 min Scan# 2581

Delta R.T. -0.041 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

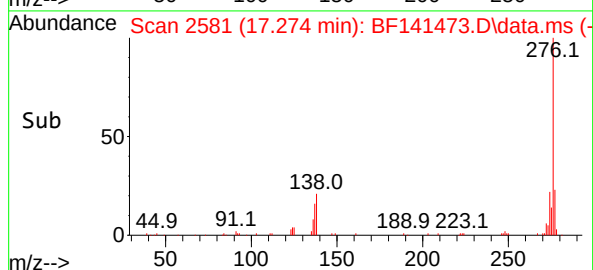
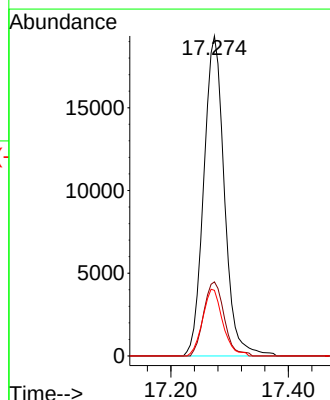
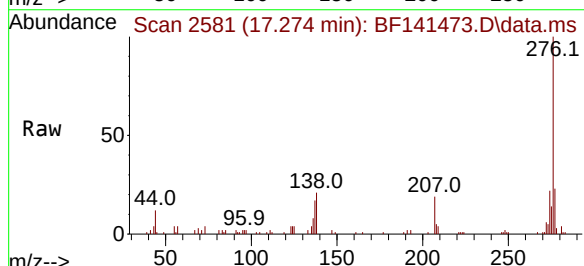
Tgt Ion:276 Resp: 46952

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 20.5 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141474.D
 Acq On : 06 Feb 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Feb 06 16:00:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88879	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	361197	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	200046	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	347312	20.000	ng	0.00
76) Chrysene-d12	13.957	240	284792	20.000	ng	0.00
86) Perylene-d12	15.416	264	215900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	114669	20.227	ng	0.00
7) Phenol-d6	6.422	99	144805	20.209	ng	-0.02
23) Nitrobenzene-d5	7.345	82	136996	19.783	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	40073	19.941	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	271988	20.947	ng	0.00
79) Terphenyl-d14	12.898	244	314541	18.645	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	23063	10.108	ng	95
3) Pyridine	3.216	79	53532	9.859	ng	99
4) n-Nitrosodimethylamine	3.146	42	34386	9.564	ng	# 97
6) Aniline	6.446	93	68661	10.215	ng	92
8) 2-Chlorophenol	6.575	128	62679	10.232	ng	99
9) Benzaldehyde	6.334	77	44111	11.585	ng	99
10) Phenol	6.440	94	74689	10.015	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	54627	9.752	ng	98
12) 1,3-Dichlorobenzene	6.728	146	65850	10.182	ng	98
13) 1,4-Dichlorobenzene	6.804	146	68330	10.341	ng	97
14) 1,2-Dichlorobenzene	6.957	146	63948	10.428	ng	99
15) Benzyl Alcohol	6.928	79	55580	10.115	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	99782	10.406	ng	98
17) 2-Methylphenol	7.045	107	48375	10.092	ng	97
18) Hexachloroethane	7.298	117	24233	9.910	ng	98
19) n-Nitroso-di-n-propyla...	7.192	70	43762	10.210	ng	97
20) 3+4-Methylphenols	7.198	107	62949	10.332	ng	96
22) Acetophenone	7.192	105	90614	10.085	ng	# 97
24) Nitrobenzene	7.363	77	67032	9.927	ng	96
25) Isophorone	7.604	82	107242	9.712	ng	99
26) 2-Nitrophenol	7.687	139	31590	9.403	ng	97
27) 2,4-Dimethylphenol	7.728	122	38303	9.759	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	70458	9.958	ng	97
29) 2,4-Dichlorophenol	7.934	162	51883	9.784	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	57937	10.033	ng	97
31) Naphthalene	8.092	128	188046	10.002	ng	99
32) Benzoic acid	7.810	122	33645	8.253	ng	98
33) 4-Chloroaniline	8.145	127	63529	9.678	ng	98
34) Hexachlorobutadiene	8.210	225	34431	9.932	ng	98
35) Caprolactam	8.481	113	15331	9.495	ng	98
36) 4-Chloro-3-methylphenol	8.628	107	58441	9.949	ng	99
37) 2-Methylnaphthalene	8.781	142	124517	10.177	ng	99
38) 1-Methylnaphthalene	8.881	142	118722	10.019	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	58800	10.160	ng	98
41) Hexachlorocyclopentadiene	8.934	237	13785	7.161	ng	91
43) 2,4,6-Trichlorophenol	9.063	196	36558	9.773	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141474.D
 Acq On : 06 Feb 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Feb 06 16:00:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

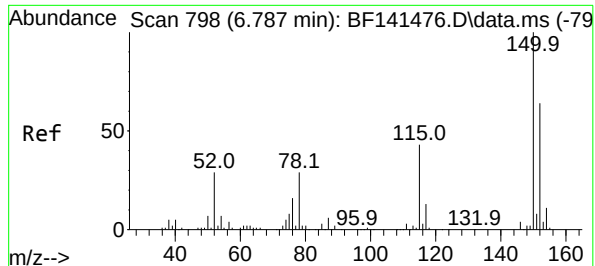
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng	97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng	99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng	99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng	96
49) Acenaphthylene	9.686	152	173644	10.179	ng	99
50) Dimethylphthalate	9.545	163	135886	10.006	ng	100
51) 2,6-Dinitrotoluene	9.604	165	29006	9.770	ng	96
52) Acenaphthene	9.857	154	116461m	10.155	ng	
53) 3-Nitroaniline	9.775	138	31330	9.805	ng	100
54) 2,4-Dinitrophenol	9.886	184	13341	7.561	ng	98
55) Dibenzofuran	10.028	168	172206	10.230	ng	98
56) 4-Nitrophenol	9.957	139	21569	9.093	ng	96
57) 2,4-Dinitrotoluene	10.010	165	40306	10.198	ng	93
58) Fluorene	10.369	166	136110	10.458	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	36102	10.344	ng	# 96
60) Diethylphthalate	10.245	149	134593	10.073	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	64305	10.270	ng	97
62) 4-Nitroaniline	10.386	138	31934	9.842	ng	98
63) Azobenzene	10.522	77	132968	10.010	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	20074	8.320	ng	98
66) n-Nitrosodiphenylamine	10.481	169	113408	10.201	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	38257	9.856	ng	97
68) Hexachlorobenzene	10.922	284	40715	10.186	ng	98
69) Atrazine	11.010	200	35287	10.580	ng	98
70) Pentachlorophenol	11.122	266	22735	8.895	ng	98
71) Phenanthrene	11.333	178	196586	10.283	ng	99
72) Anthracene	11.386	178	195528	10.174	ng	99
73) Carbazole	11.545	167	178223	10.306	ng	99
74) Di-n-butylphthalate	11.875	149	200806	10.057	ng	100
75) Fluoranthene	12.522	202	215218	10.618	ng	99
77) Benzidine	12.651	184	69402	11.050	ng	98
78) Pyrene	12.751	202	221721	9.146	ng	99
80) Butylbenzylphthalate	13.374	149	76852	9.152	ng	100
81) Benzo(a)anthracene	13.945	228	189705	10.021	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	58487	10.785	ng	99
83) Chrysene	13.980	228	174103	9.960	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	86853	9.171	ng	98
85) Di-n-octyl phthalate	14.563	149	115875	8.576	ng	100
87) Indeno(1,2,3-cd)pyrene	16.851	276	111083	8.327	ng	98
88) Benzo(b)fluoranthene	14.998	252	151861	10.476	ng	98
89) Benzo(k)fluoranthene	15.021	252	131265	10.604	ng	99
90) Benzo(a)pyrene	15.357	252	115948	9.885	ng	99
91) Dibenzo(a,h)anthracene	16.868	278	89400	8.271	ng	99
92) Benzo(g,h,i)perylene	17.286	276	93242	8.243	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

- 1
- 2
- 3
- 4
- 5
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- 11**
- 12
- 13
- 14
- 15
- 16
- 17

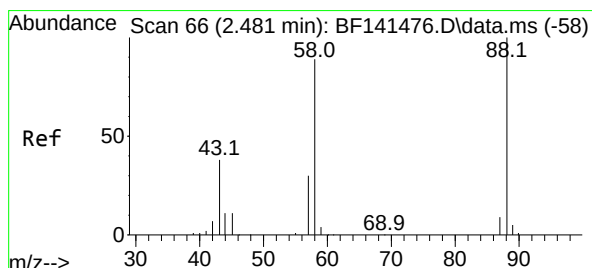
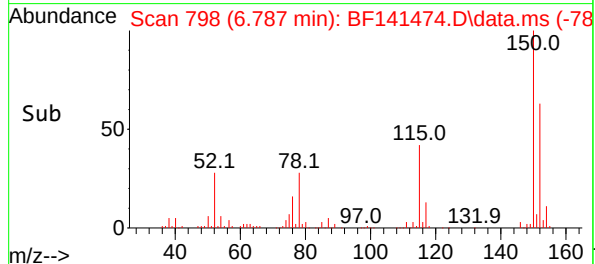
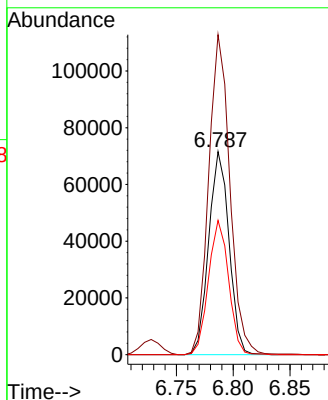
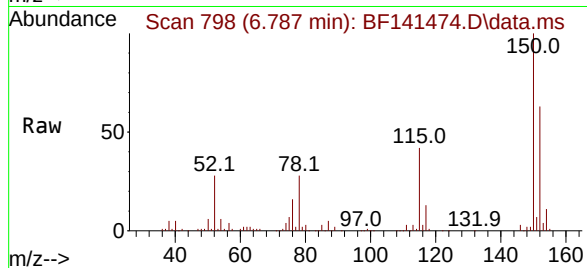




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

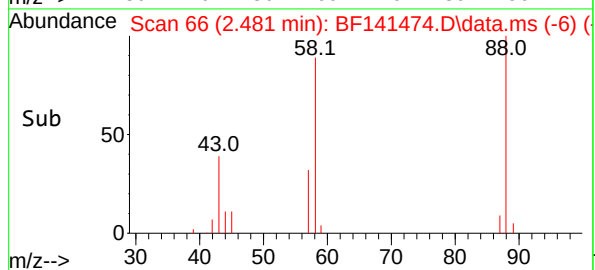
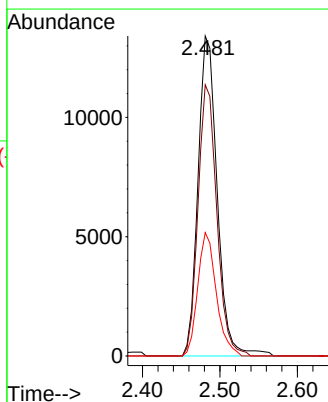
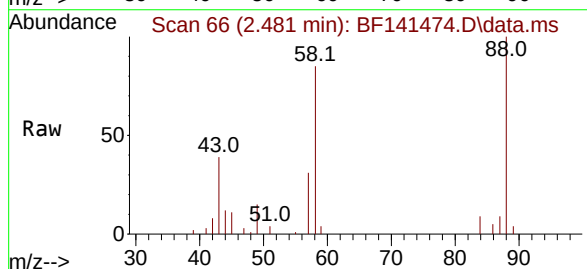
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

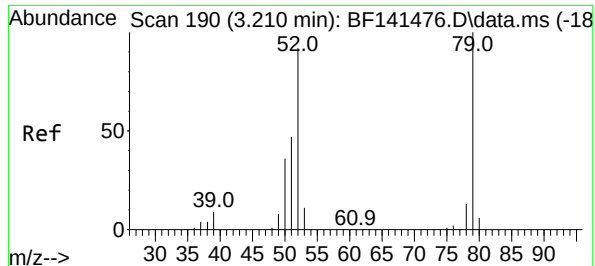
Tgt Ion:152 Resp: 88879
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 66.1 53.6 80.4



#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 88 Resp: 23063
Ion Ratio Lower Upper
88 100
58 83.0 71.1 106.7
43 37.3 30.6 46.0





#3

Pyridine

Concen: 9.859 ng

RT: 3.216 min Scan# 190

Delta R.T. 0.000 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

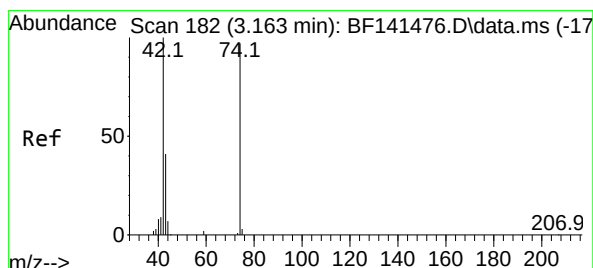
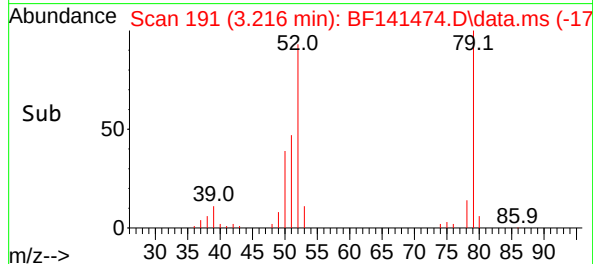
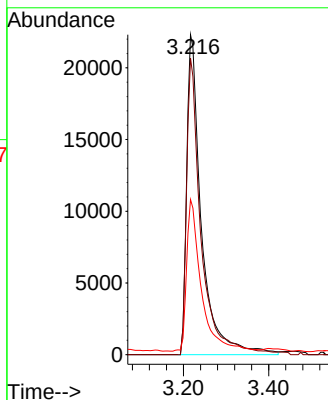
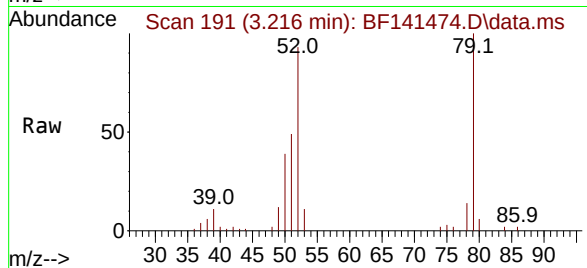
Tgt Ion: 79 Resp: 53532

Ion Ratio Lower Upper

79 100

52 92.7 73.7 110.5

51 48.5 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 9.564 ng

RT: 3.146 min Scan# 179

Delta R.T. -0.041 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

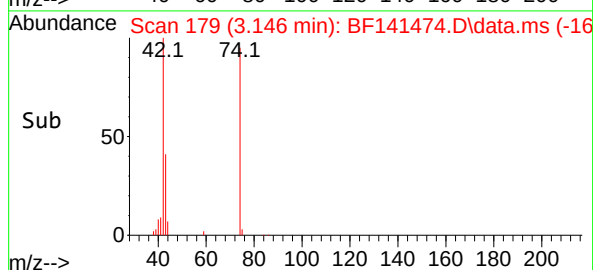
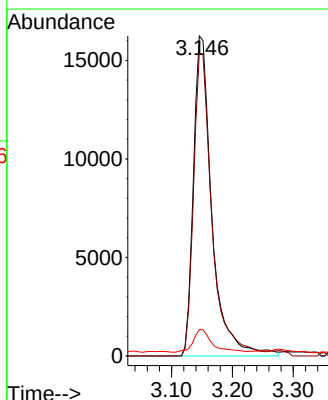
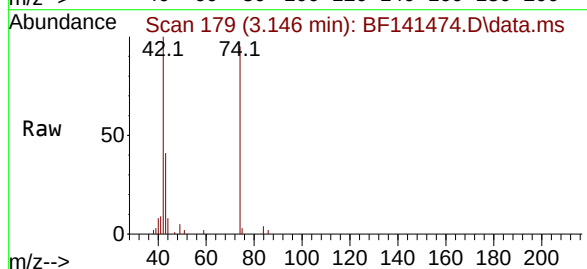
Tgt Ion: 42 Resp: 34386

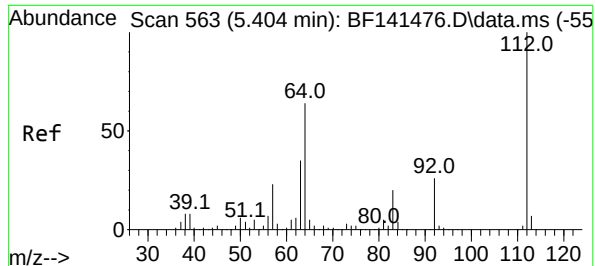
Ion Ratio Lower Upper

42 100

74 94.6 78.0 117.0

44 8.3 5.4 8.2#

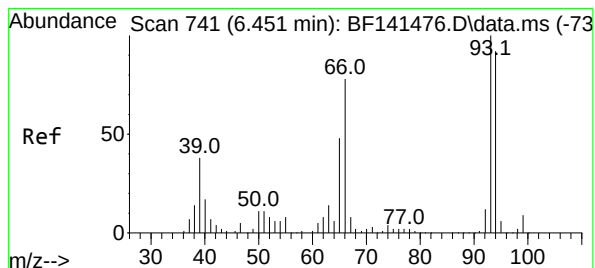
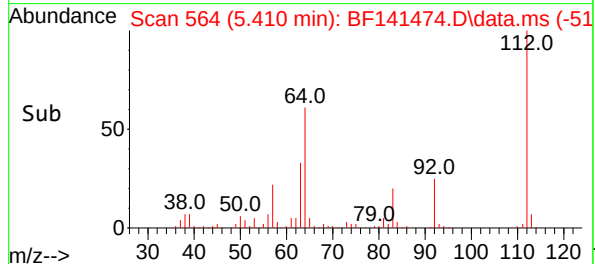
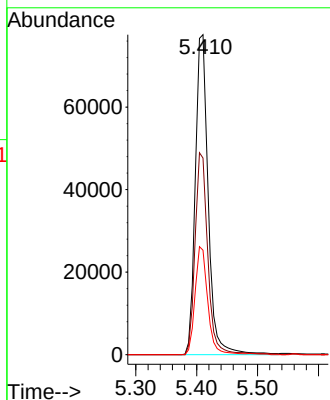
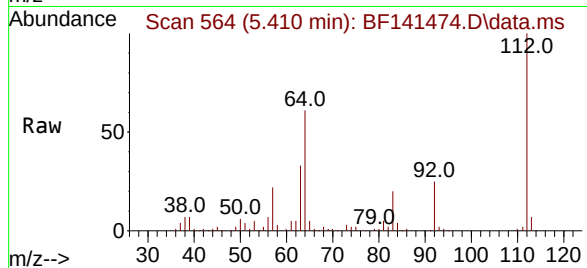




#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

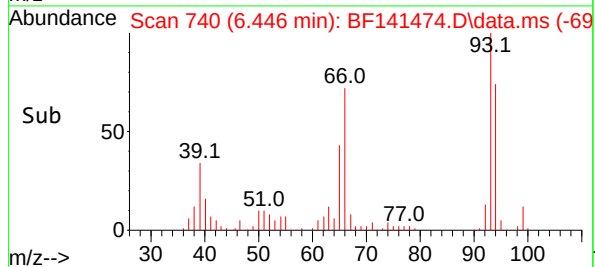
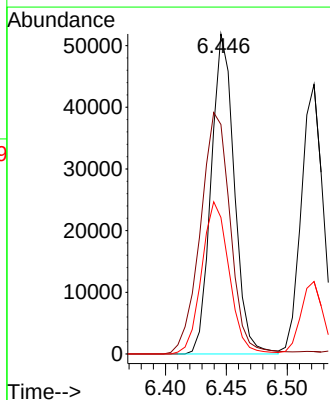
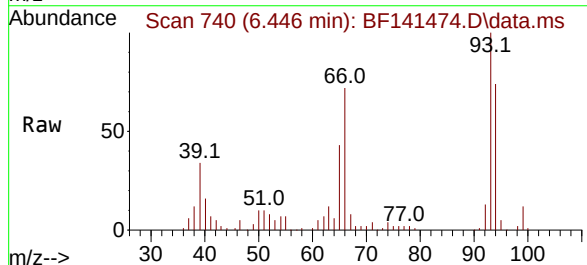
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

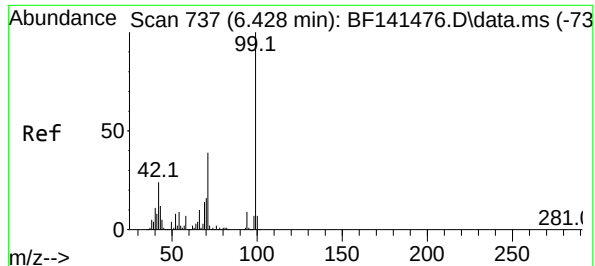
Tgt Ion:112 Resp: 114669
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 32.6 28.4 42.6



#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 68661
Ion Ratio Lower Upper
93 100
66 71.7 62.6 94.0
65 42.7 38.3 57.5

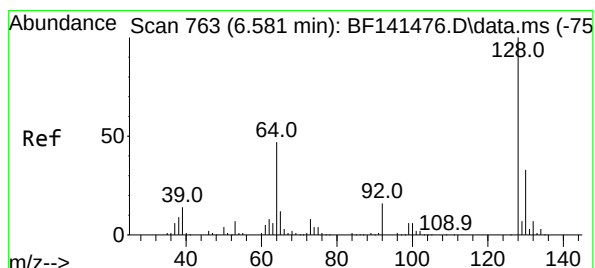
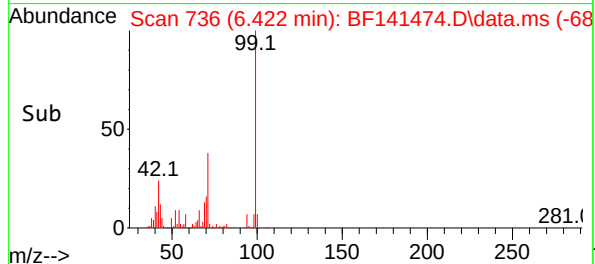
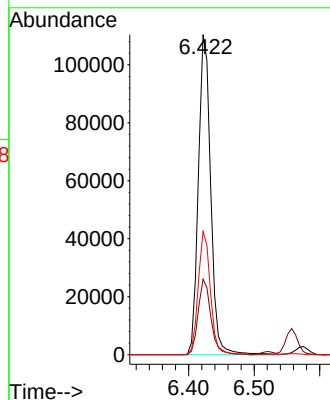
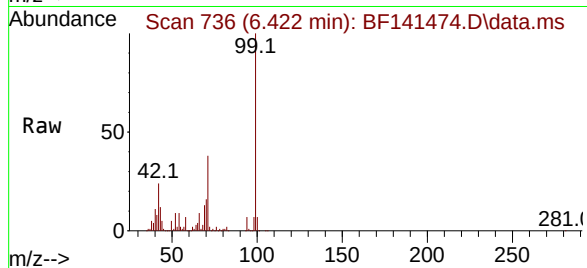




#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

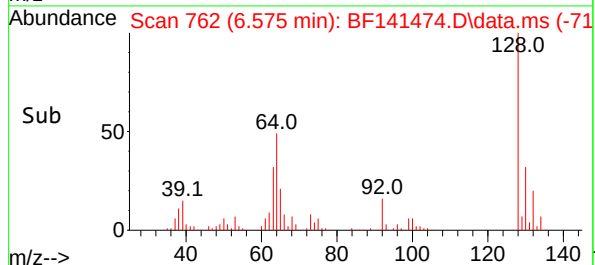
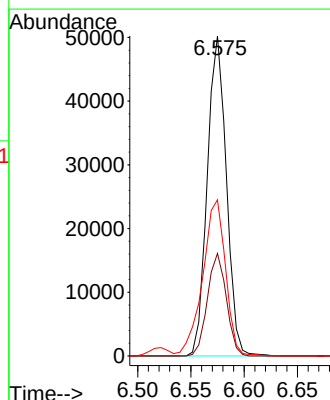
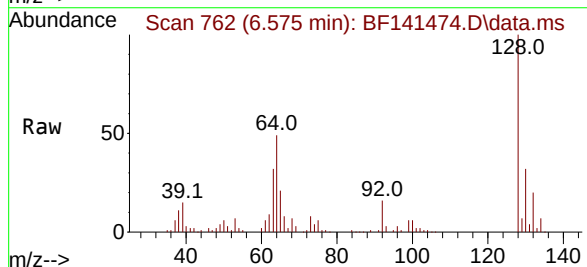
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

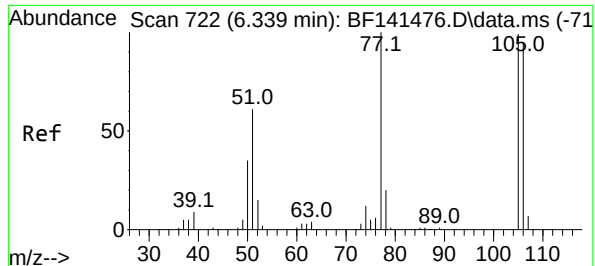
Tgt Ion: 99 Resp: 144805
Ion Ratio Lower Upper
99 100
42 23.6 19.1 28.7
71 38.5 31.1 46.7



#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 128 Resp: 62679
Ion Ratio Lower Upper
128 100
130 32.0 12.7 52.7
64 48.8 28.3 68.3

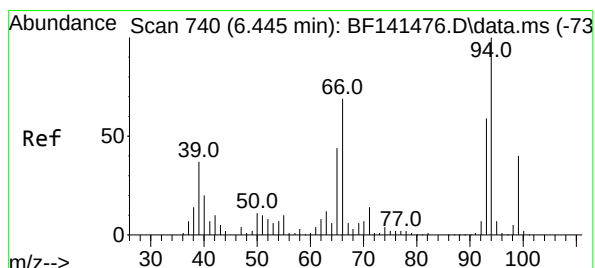
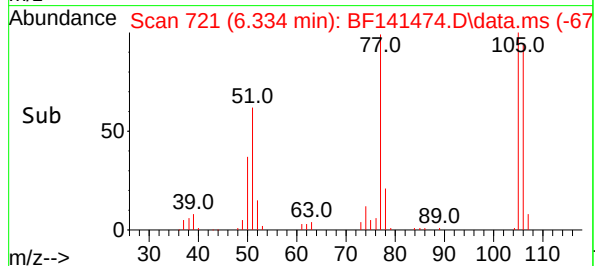
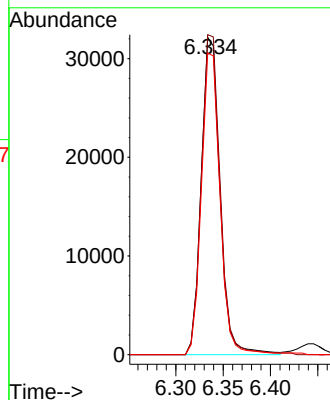
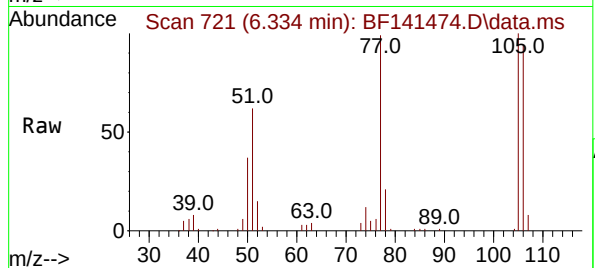




#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

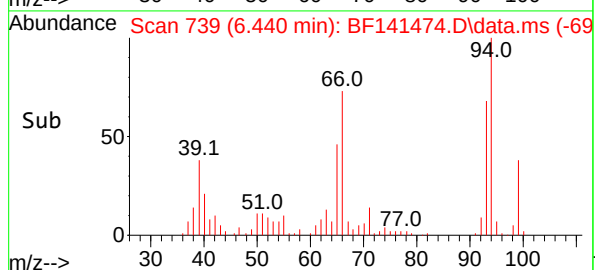
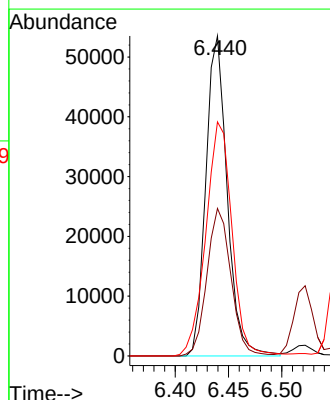
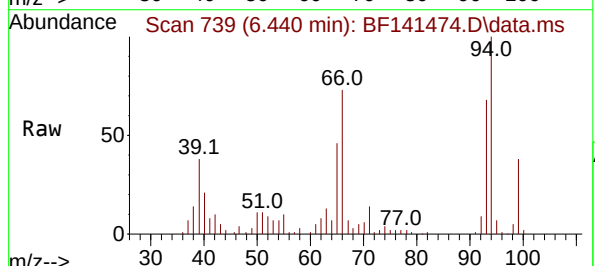
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

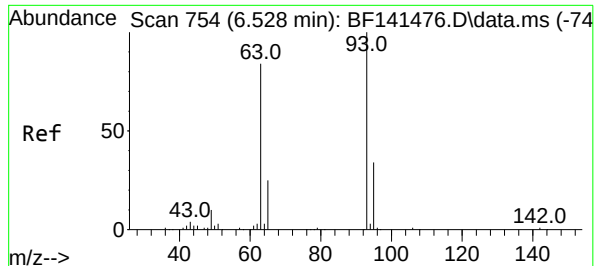
Tgt Ion: 77 Resp: 44111
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 95.1 75.1 115.1



#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 94 Resp: 74689
Ion Ratio Lower Upper
94 100
65 46.1 23.7 63.7
66 73.1 49.3 89.3

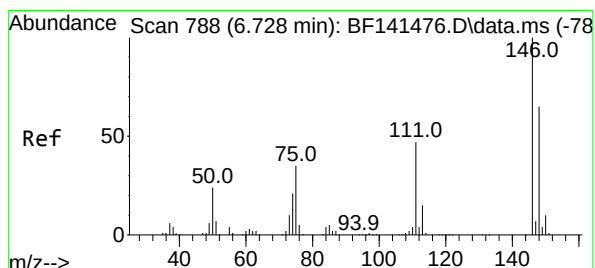
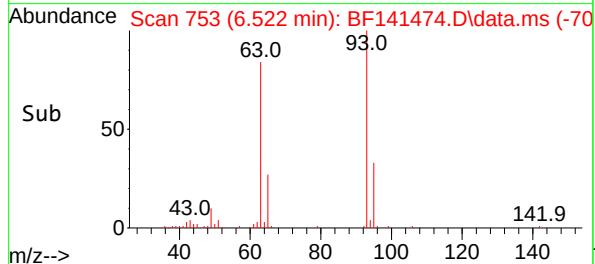
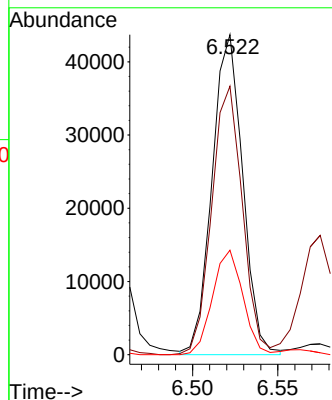
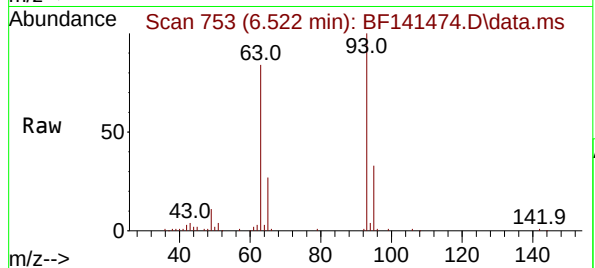




#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

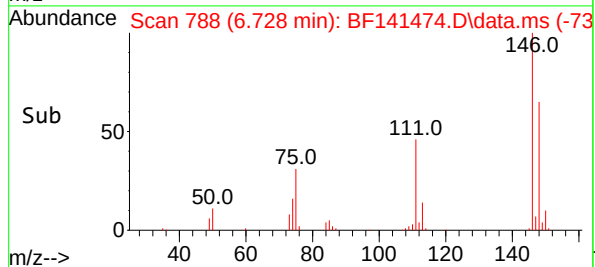
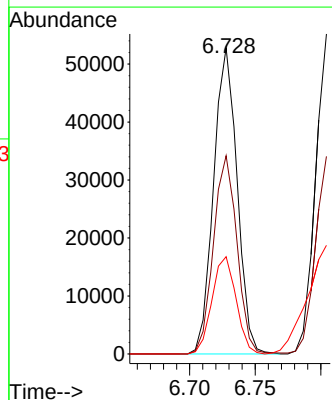
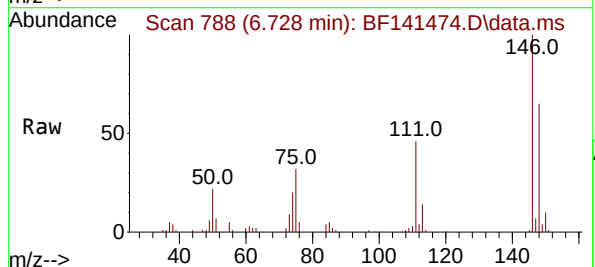
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

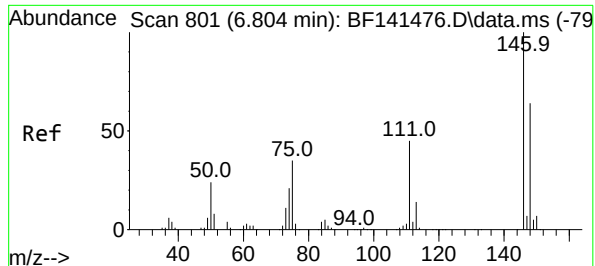
Tgt Ion: 93 Resp: 54627
Ion Ratio Lower Upper
93 100
63 83.9 62.0 102.0
95 32.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 146 Resp: 65850
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 31.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 10.341 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

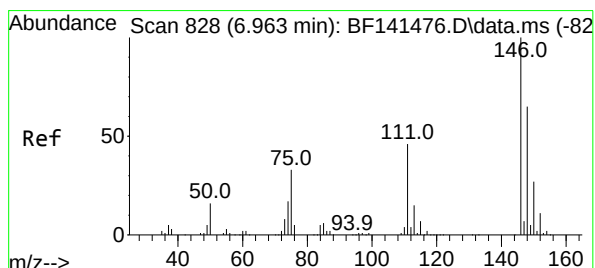
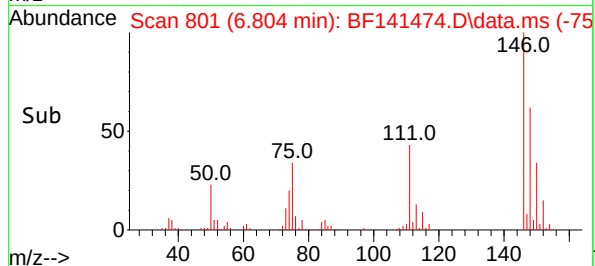
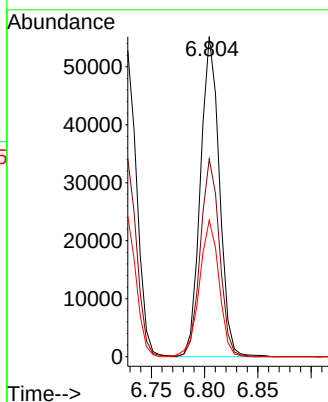
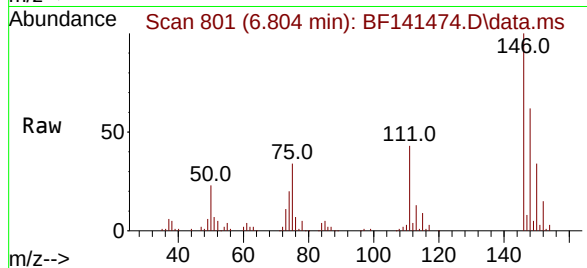
Tgt Ion:146 Resp: 68330

Ion Ratio Lower Upper

146 100

148 61.7 50.9 76.3

111 42.6 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 10.428 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

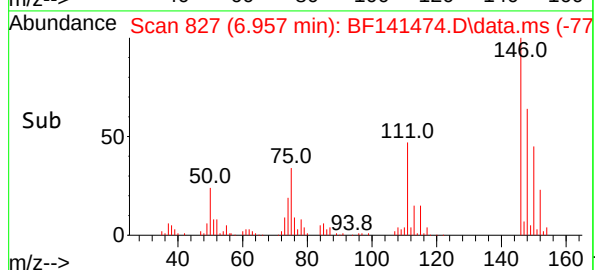
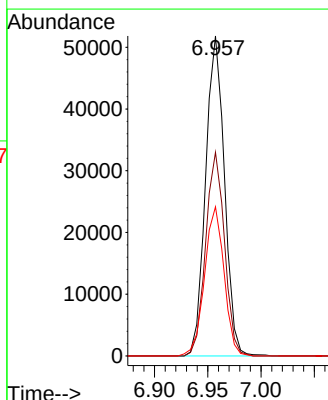
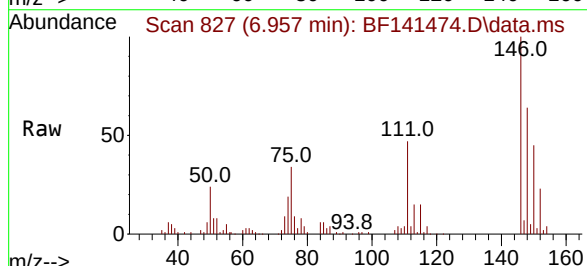
Tgt Ion:146 Resp: 63948

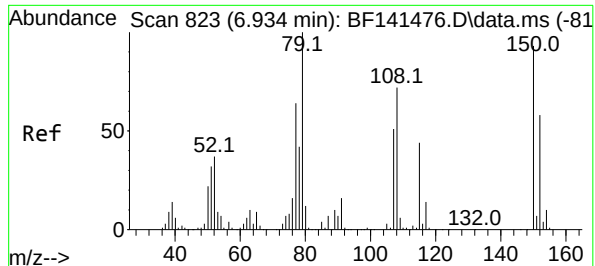
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 46.6 37.0 55.4





#15

Benzyl Alcohol

Concen: 10.115 ng

RT: 6.928 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

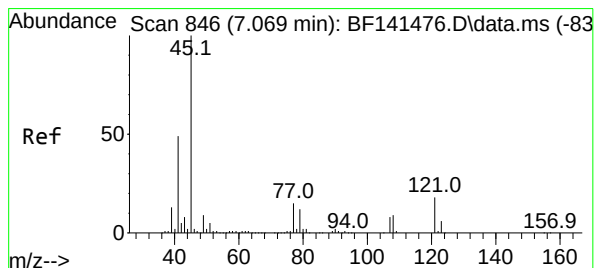
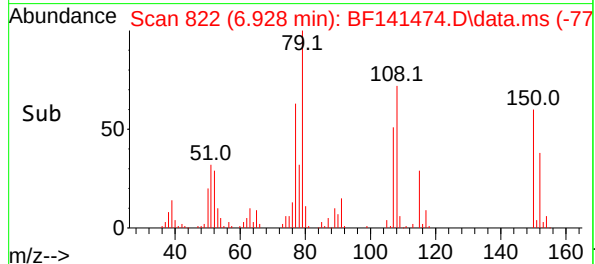
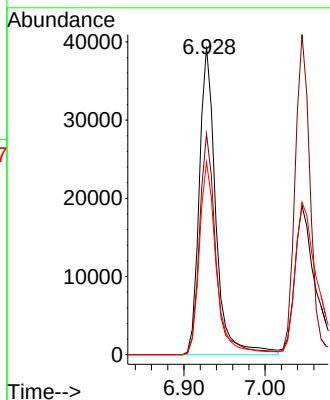
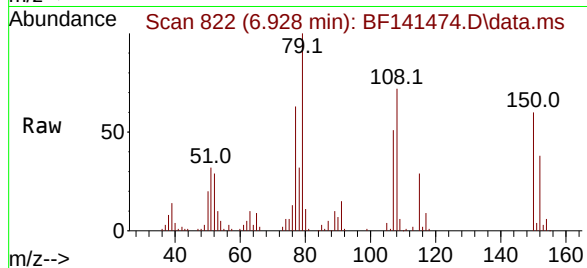
Tgt Ion: 79 Resp: 55580

Ion Ratio Lower Upper

79 100

108 71.7 57.4 86.2

77 62.6 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.406 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

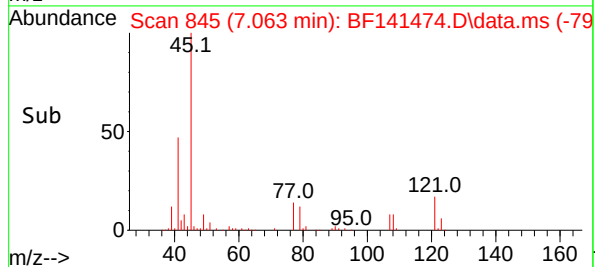
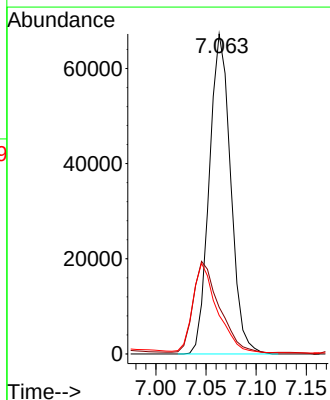
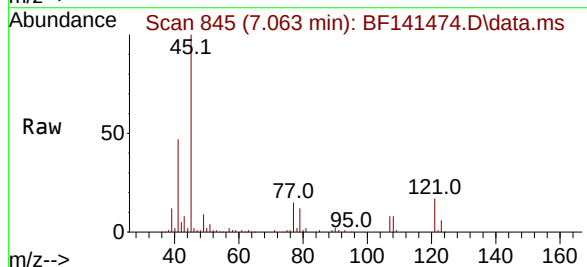
Tgt Ion: 45 Resp: 99782

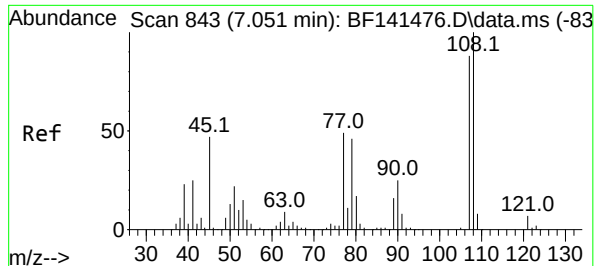
Ion Ratio Lower Upper

45 100

77 14.6 0.0 35.8

79 12.1 0.0 32.7

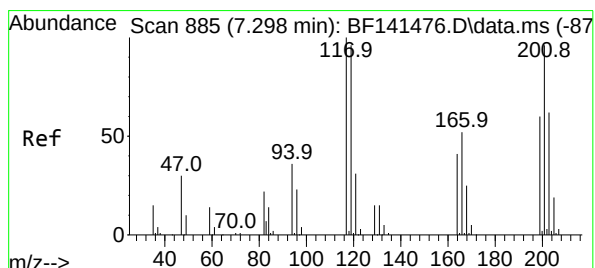
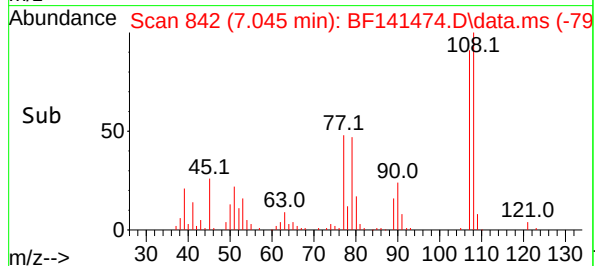
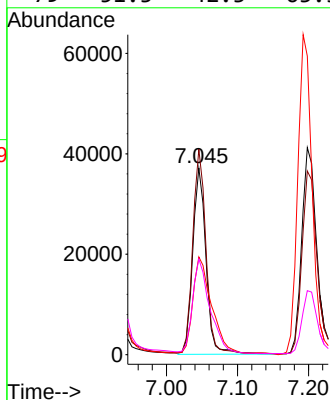
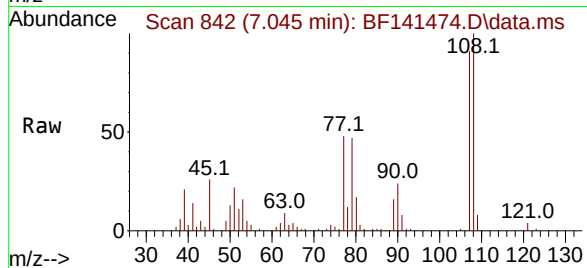




#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

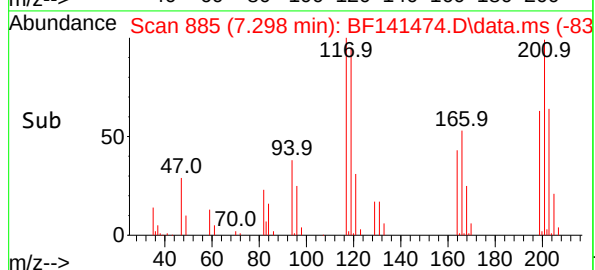
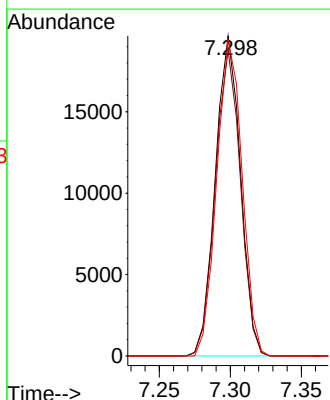
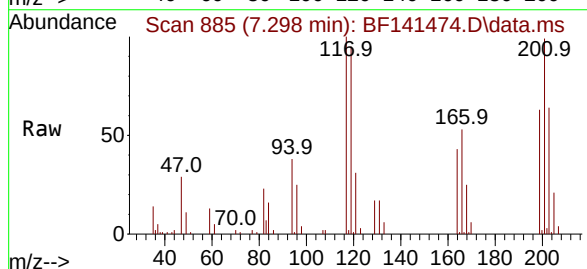
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

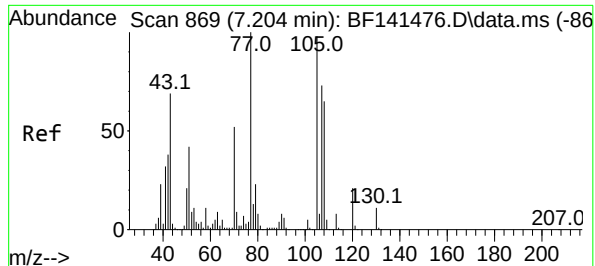
Tgt Ion:	107	Resp:	48375
Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5



#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:	117	Resp:	24233
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
201	98.8	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 10.210 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.023 min

Lab File: BF141474.D

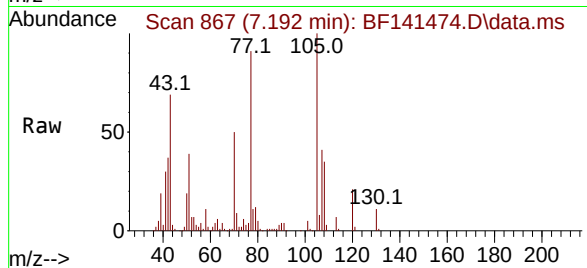
Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 43762

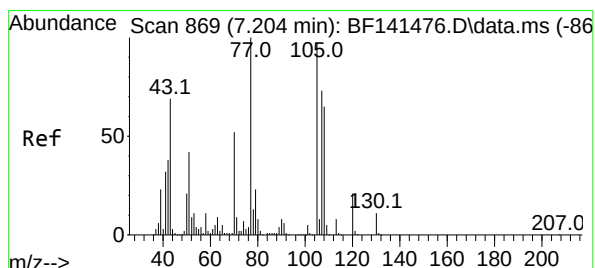
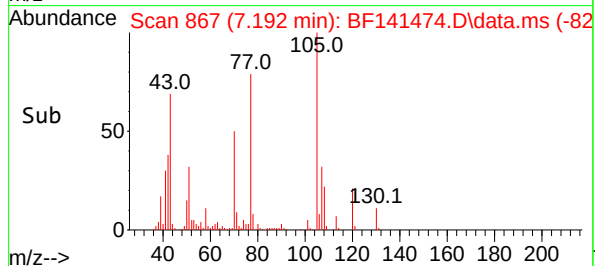
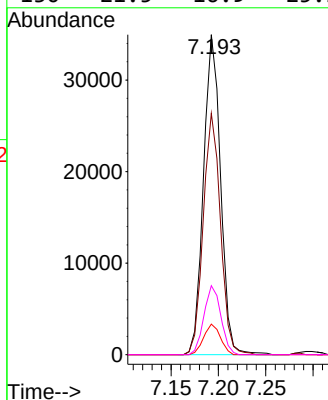
Ion Ratio Lower Upper

70 100

42 75.4 57.4 86.2

101 9.5 8.0 12.0

130 21.5 16.9 25.3



#20

3+4-Methylphenols

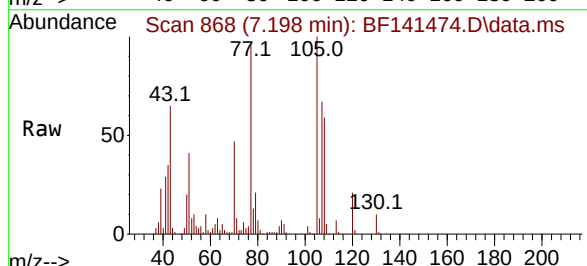
Concen: 10.332 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00



Tgt Ion: 107 Resp: 62949

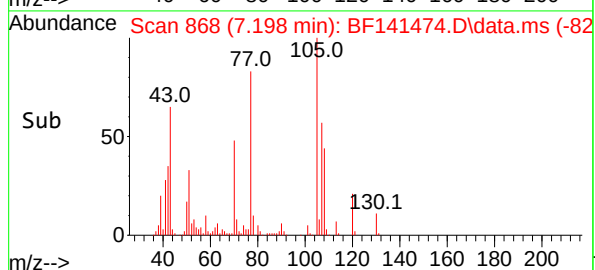
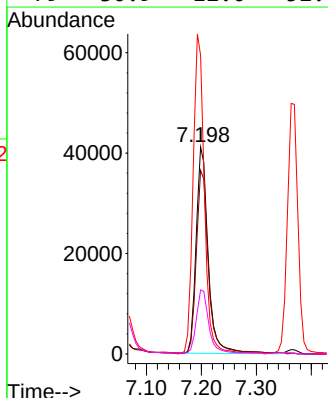
Ion Ratio Lower Upper

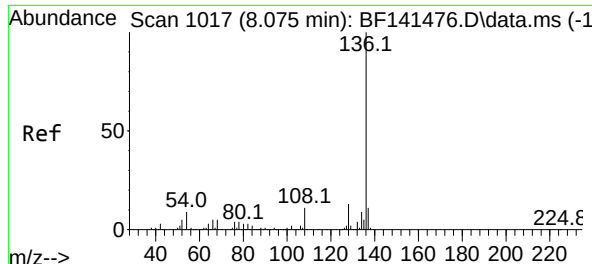
107 100

108 88.7 68.5 108.5

77 144.2 116.5 156.5

79 30.9 12.0 52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 361197

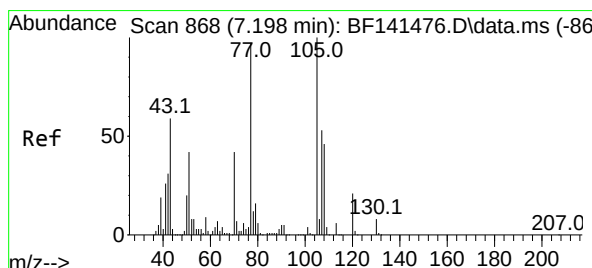
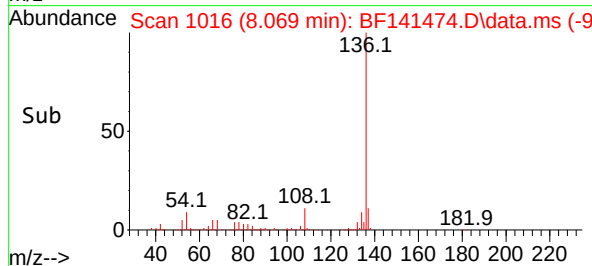
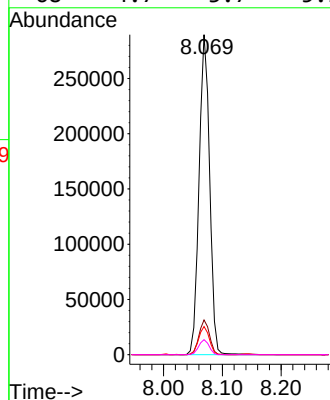
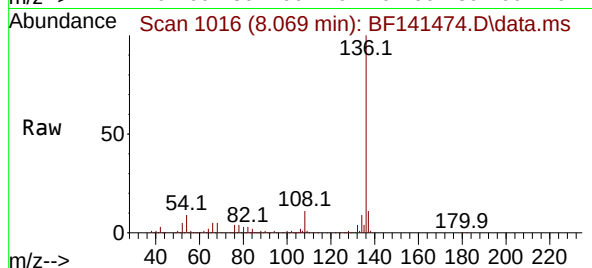
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.8 7.2 10.8

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 10.085 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:105 Resp: 90614

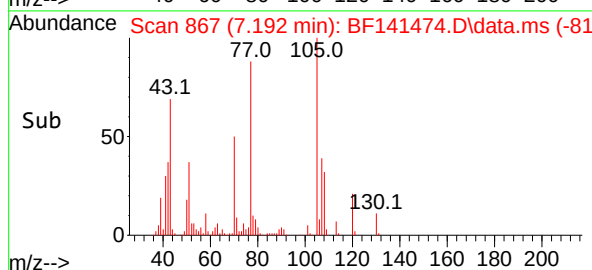
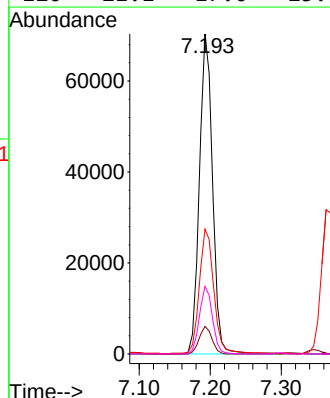
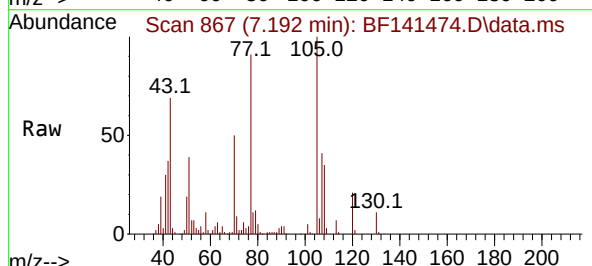
Ion Ratio Lower Upper

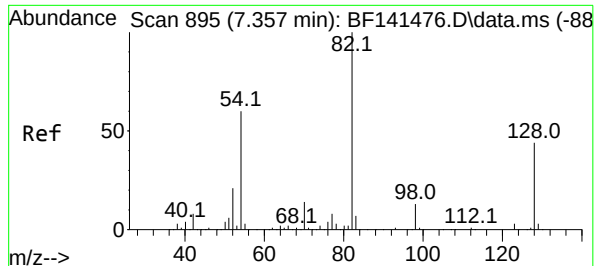
105 100

71 8.6 5.7 8.5#

51 39.0 33.7 50.5

120 21.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 19.783 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

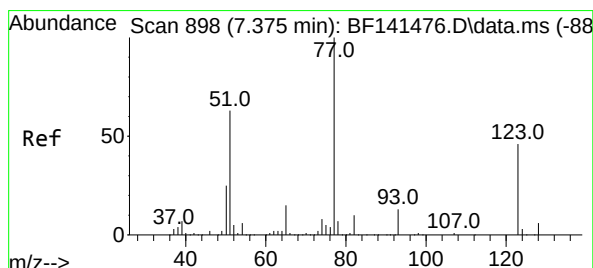
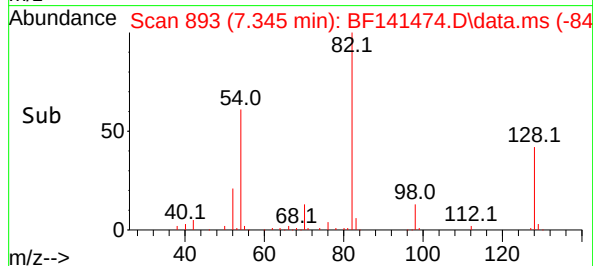
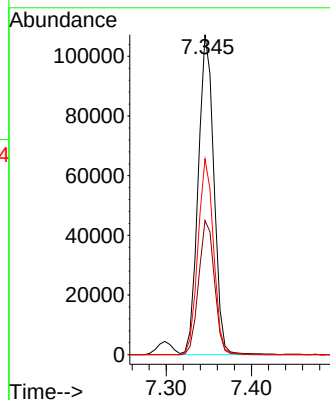
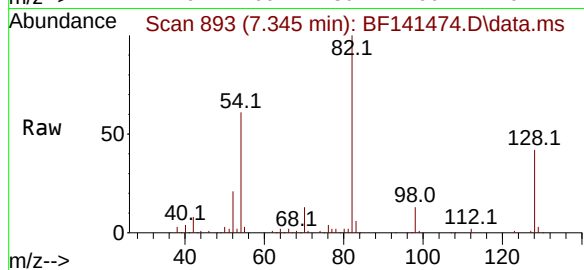
Tgt Ion: 82 Resp: 136996

Ion Ratio Lower Upper

82 100

128 41.9 34.8 52.2

54 61.2 48.2 72.4



#24

Nitrobenzene

Concen: 9.927 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

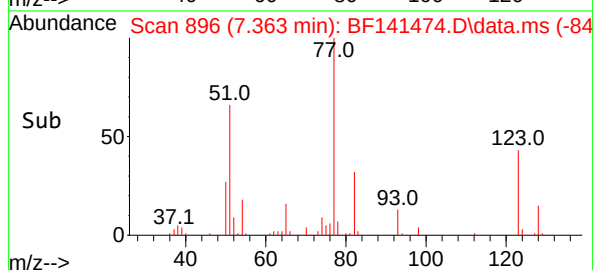
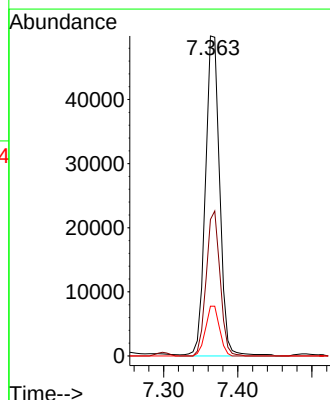
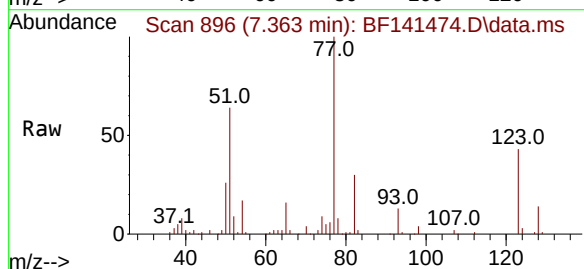
Tgt Ion: 77 Resp: 67032

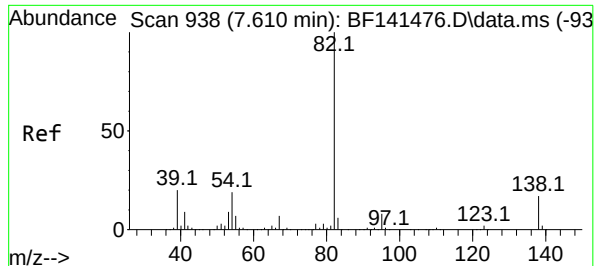
Ion Ratio Lower Upper

77 100

123 42.7 36.9 55.3

65 15.5 11.9 17.9

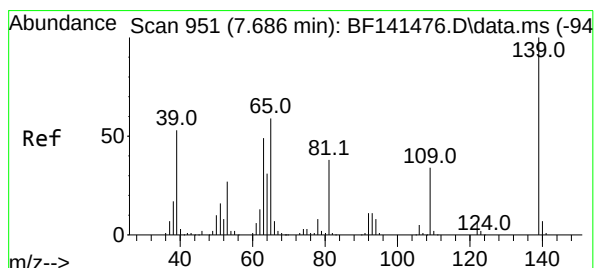
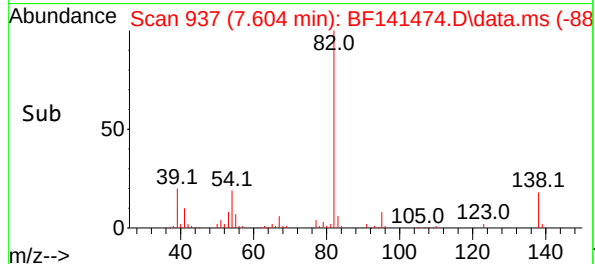
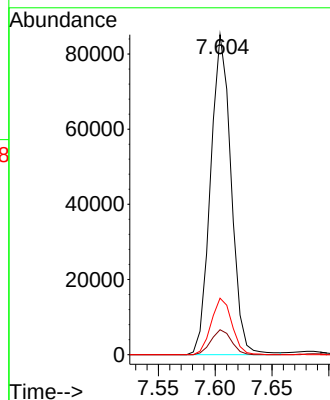
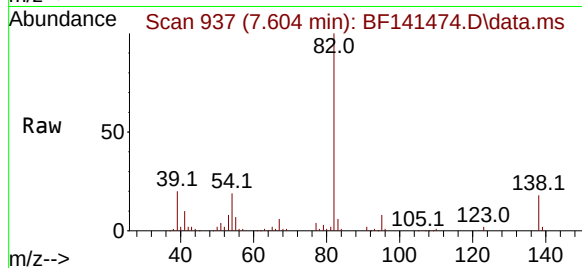




#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 911
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

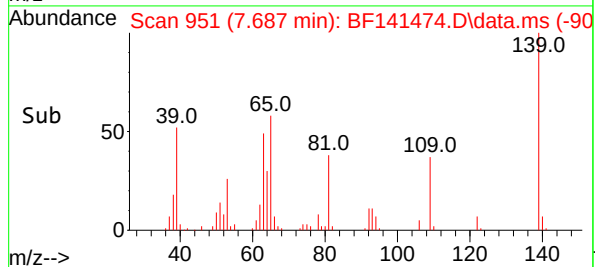
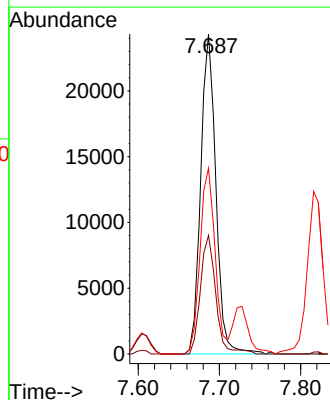
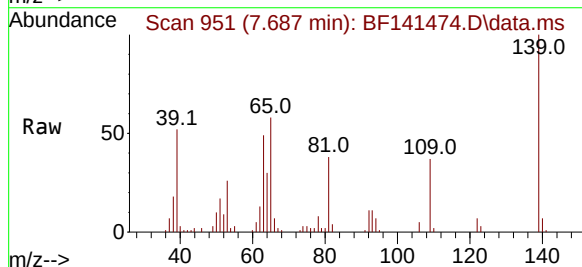
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

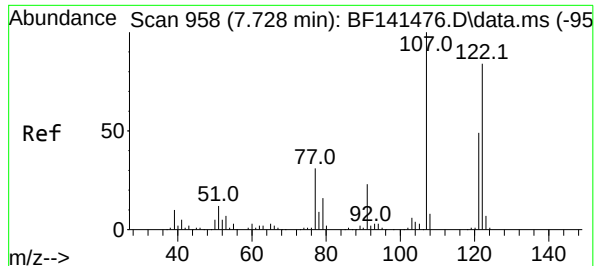
Tgt Ion: 82 Resp: 107242
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.7 13.9 20.9



#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 139 Resp: 31590
Ion Ratio Lower Upper
139 100
109 37.1 27.0 40.6
65 58.1 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 9.759 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

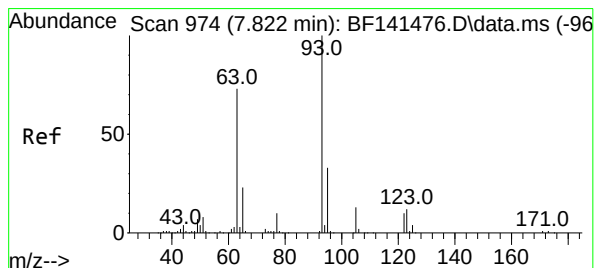
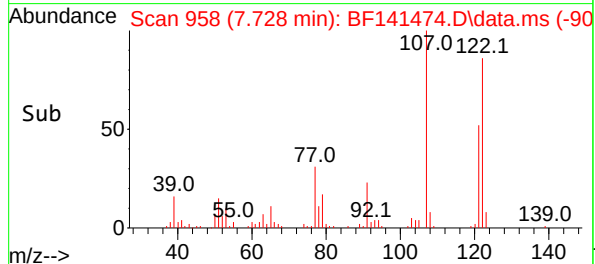
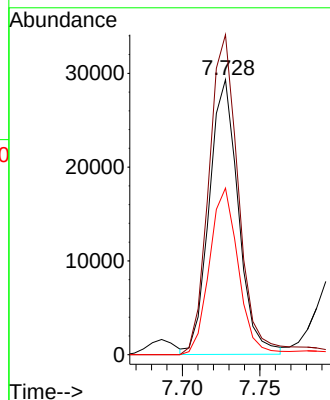
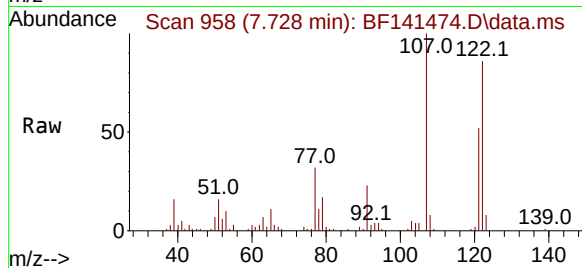
Tgt Ion:122 Resp: 38303

Ion Ratio Lower Upper

122 100

107 116.3 94.3 141.5

121 60.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 9.958 ng

RT: 7.816 min Scan# 973

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

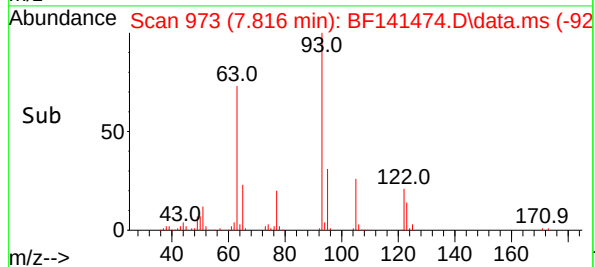
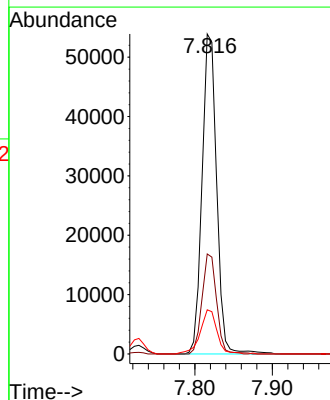
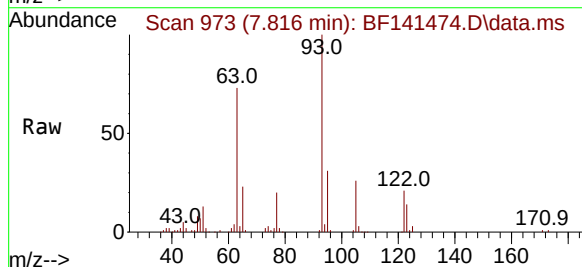
Tgt Ion: 93 Resp: 70458

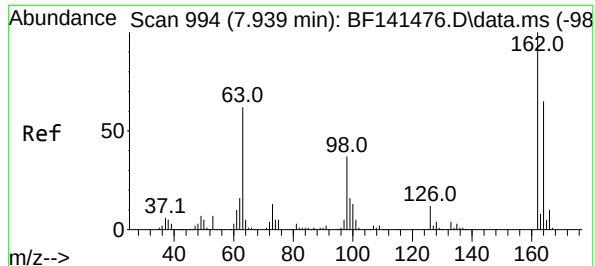
Ion Ratio Lower Upper

93 100

95 31.3 26.1 39.1

123 13.8 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 9.784 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

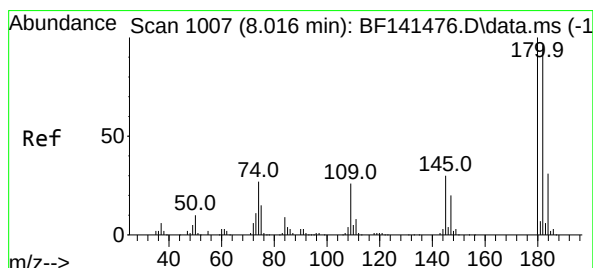
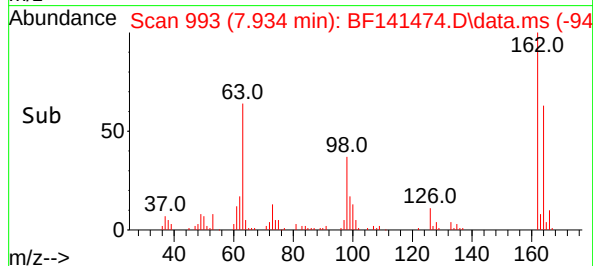
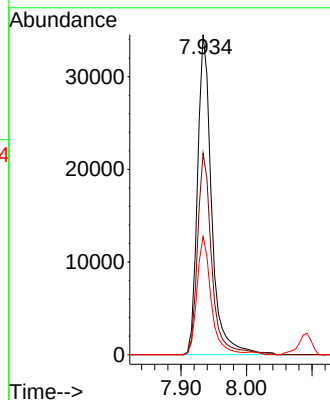
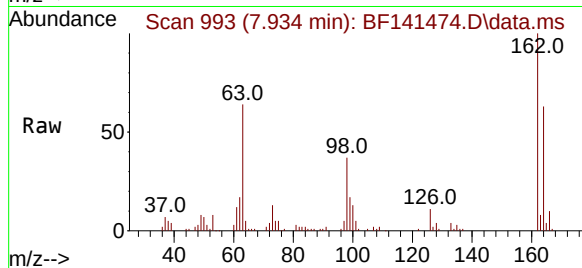
Tgt Ion:162 Resp: 51883

Ion Ratio Lower Upper

162 100

164 63.0 44.6 84.6

98 36.9 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 10.033 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

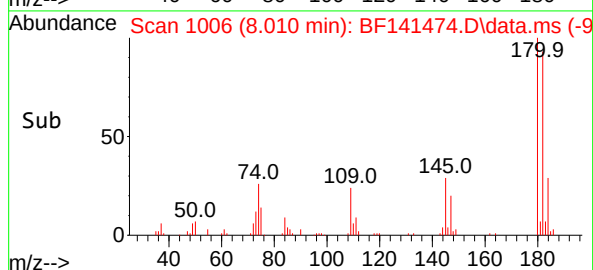
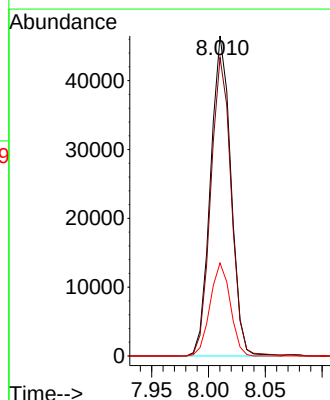
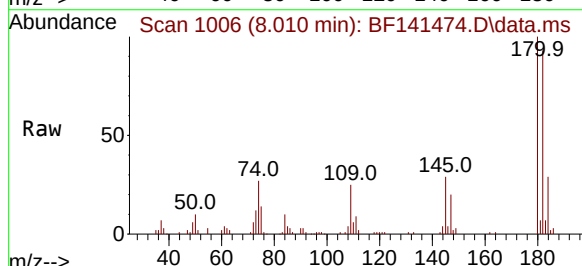
Tgt Ion:180 Resp: 57937

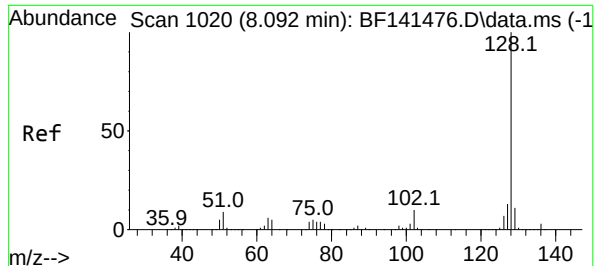
Ion Ratio Lower Upper

180 100

182 93.3 76.8 115.2

145 29.1 24.2 36.4





#31

Naphthalene

Concen: 10.002 ng

RT: 8.092 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

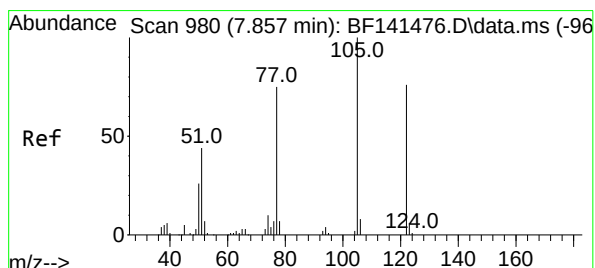
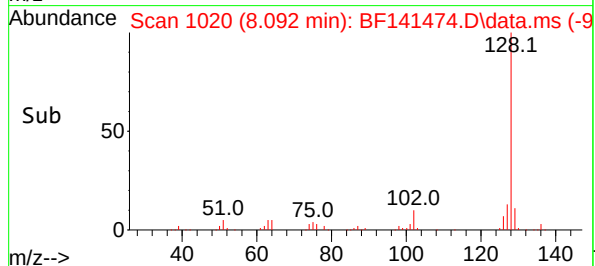
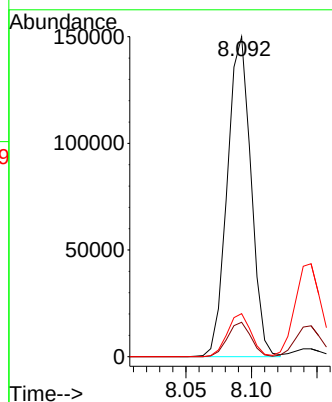
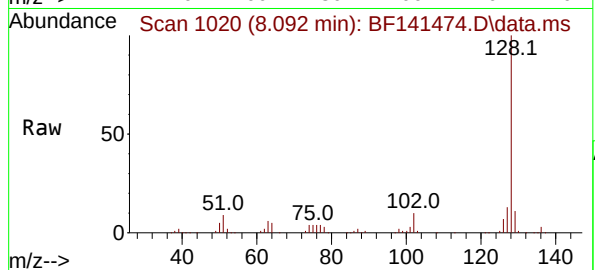
Tgt Ion:128 Resp: 188046

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.5 10.7 16.1



#32

Benzoic acid

Concen: 8.253 ng

RT: 7.810 min Scan# 972

Delta R.T. -0.082 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

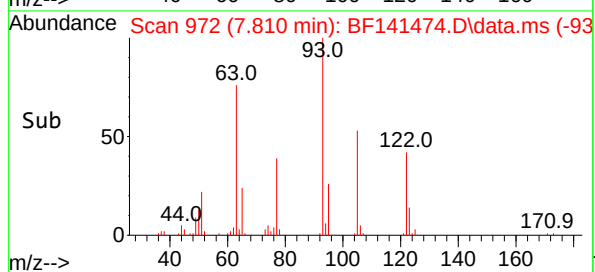
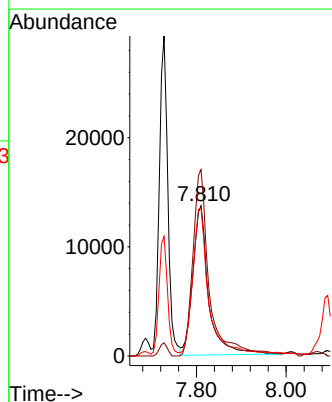
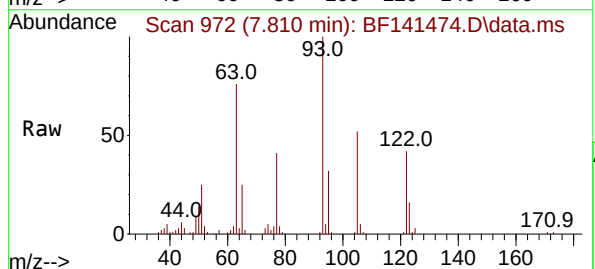
Tgt Ion:122 Resp: 33645

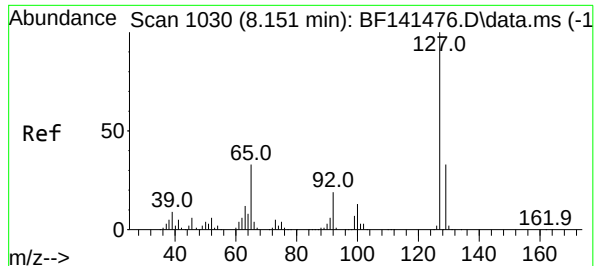
Ion Ratio Lower Upper

122 100

105 124.1 106.5 146.5

77 98.6 76.3 116.3





#33

4-Chloroaniline

Concen: 9.678 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 63529

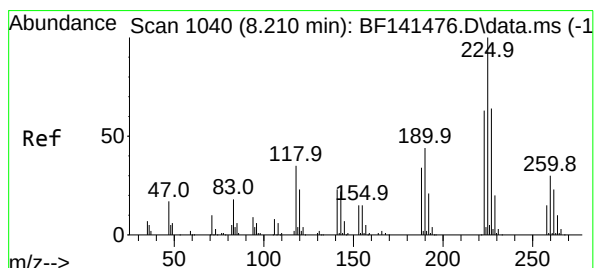
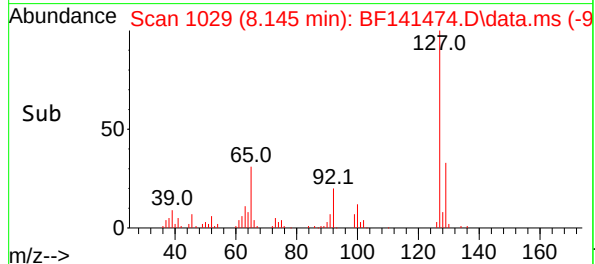
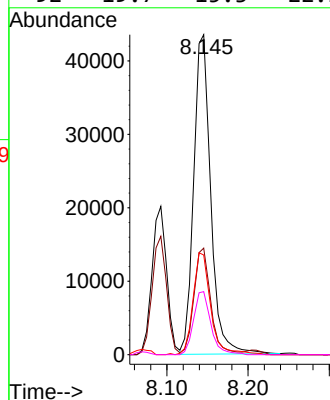
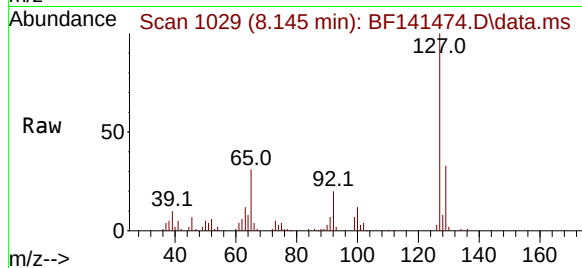
Ion Ratio Lower Upper

127 100

129 33.3 26.5 39.7

65 31.2 26.4 39.6

92 19.7 15.3 22.9



#34

Hexachlorobutadiene

Concen: 9.932 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

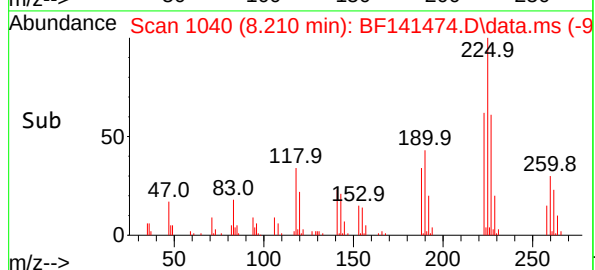
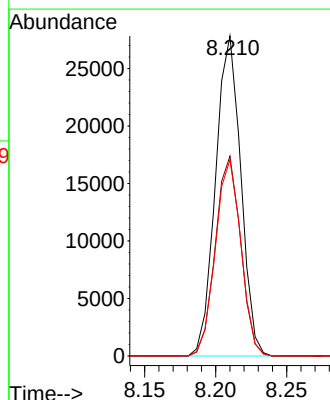
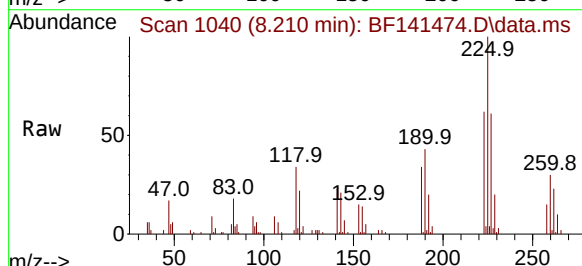
Tgt Ion:225 Resp: 34431

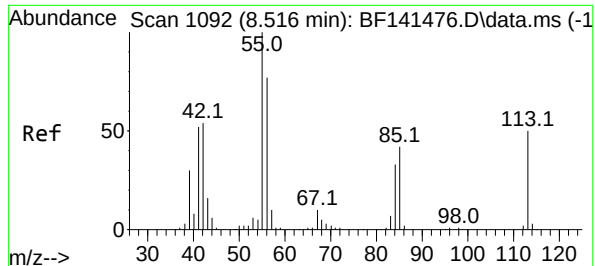
Ion Ratio Lower Upper

225 100

223 62.4 50.1 75.1

227 61.3 51.0 76.6





#35

Caprolactam

Concen: 9.495 ng

RT: 8.481 min Scan# 1108

Delta R.T. -0.065 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

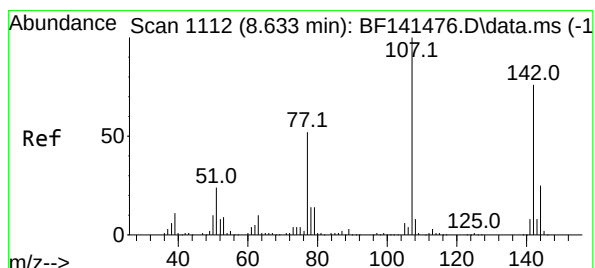
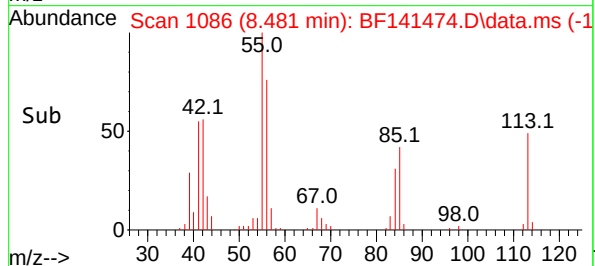
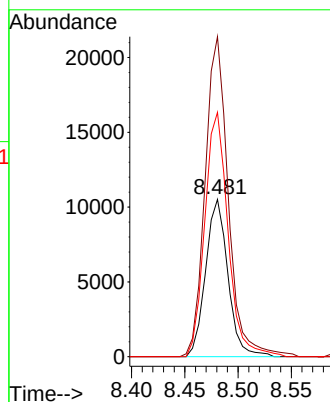
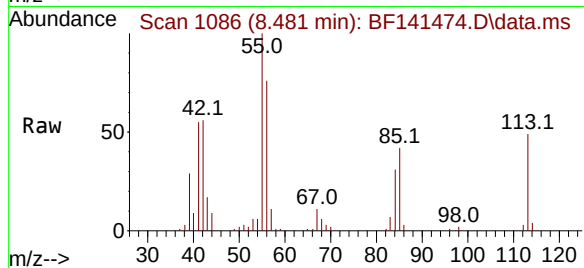
Tgt Ion:113 Resp: 15331

Ion Ratio Lower Upper

113 100

55 203.4 180.8 220.8

56 155.4 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 9.949 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

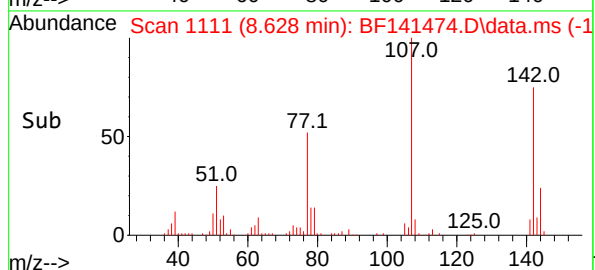
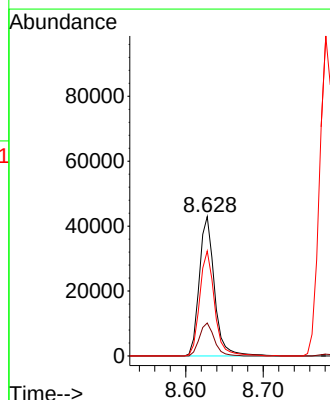
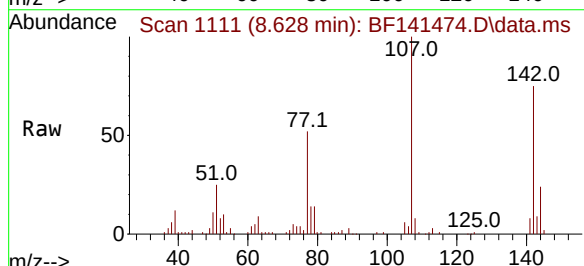
Tgt Ion:107 Resp: 58441

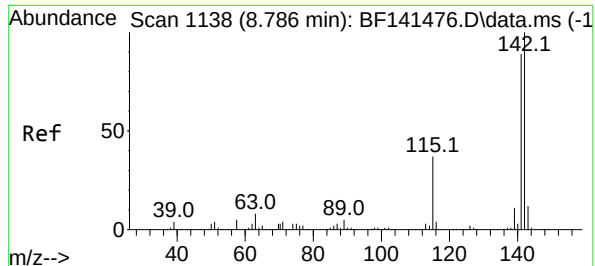
Ion Ratio Lower Upper

107 100

144 23.7 19.7 29.5

142 75.3 60.8 91.2





#37

2-Methylnaphthalene

Concen: 10.177 ng

RT: 8.781 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

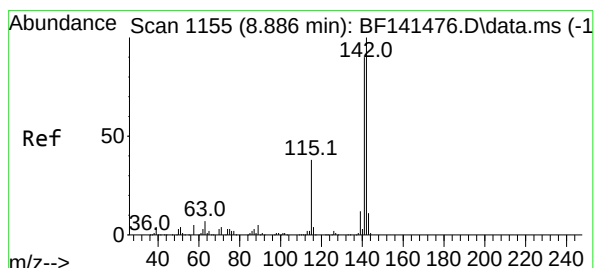
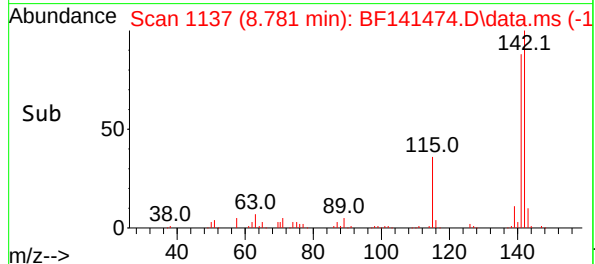
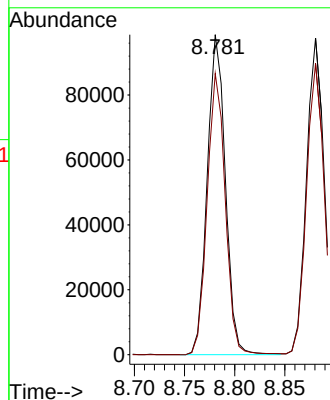
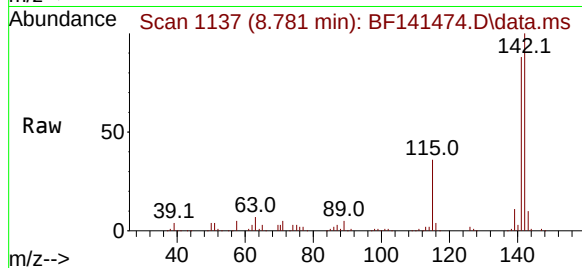
SSTDICC010

Tgt Ion:142 Resp: 124517

Ion Ratio Lower Upper

142 100

141 87.9 71.2 106.8



#38

1-Methylnaphthalene

Concen: 10.019 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141474.D

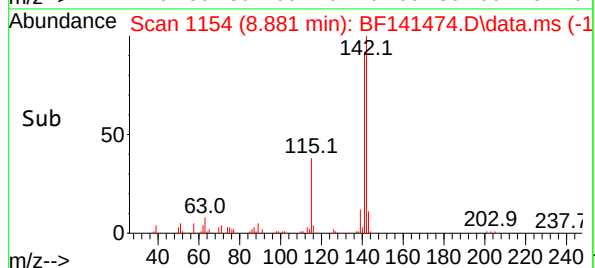
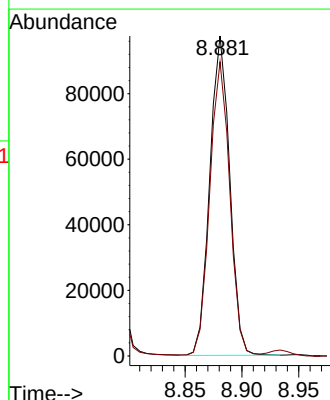
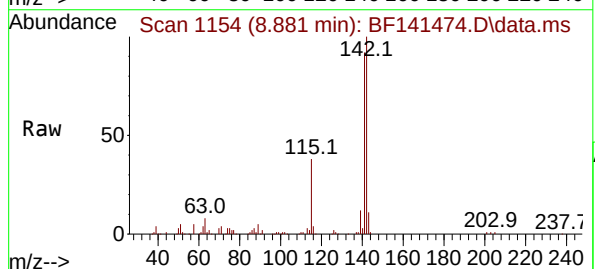
Acq: 06 Feb 2025 12:00

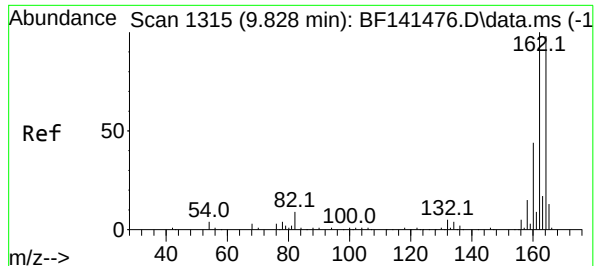
Tgt Ion:142 Resp: 118722

Ion Ratio Lower Upper

142 100

141 92.0 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

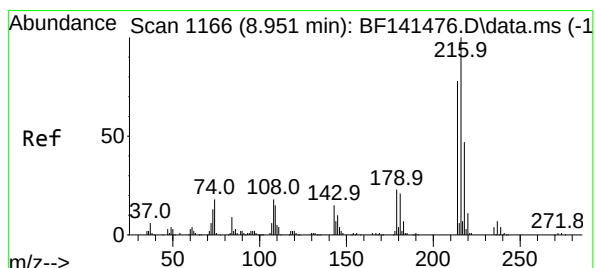
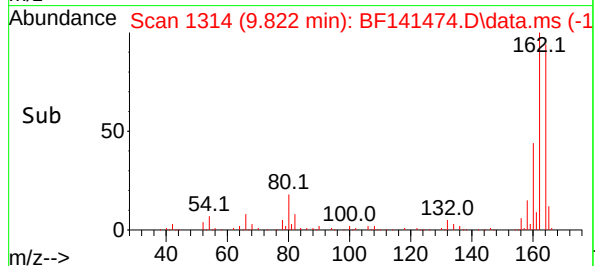
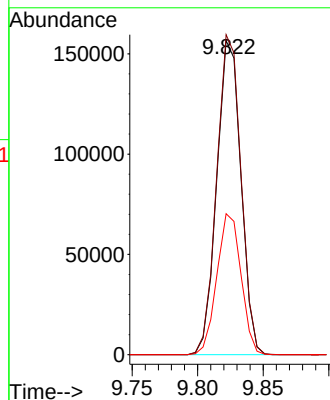
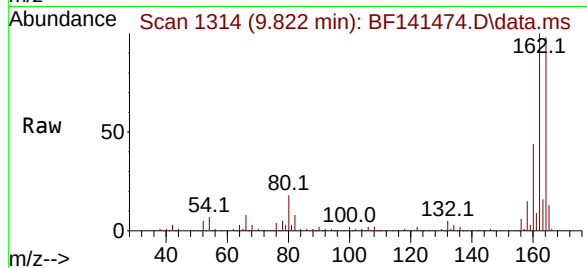
Tgt Ion:164 Resp: 200046

Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

160 44.9 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.160 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:216 Resp: 58800

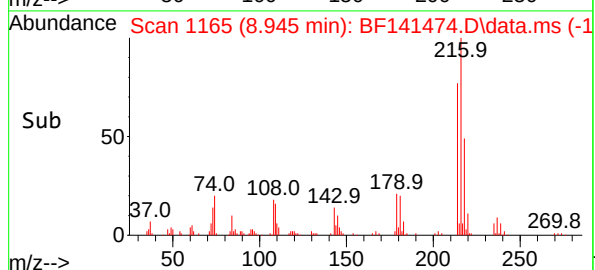
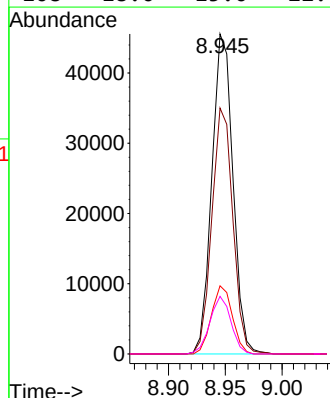
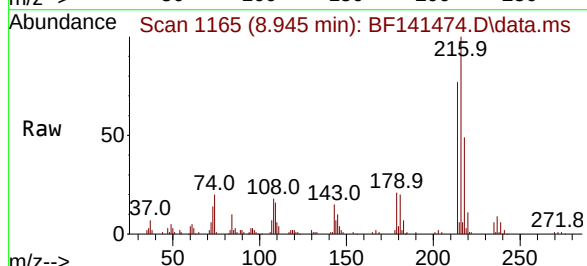
Ion Ratio Lower Upper

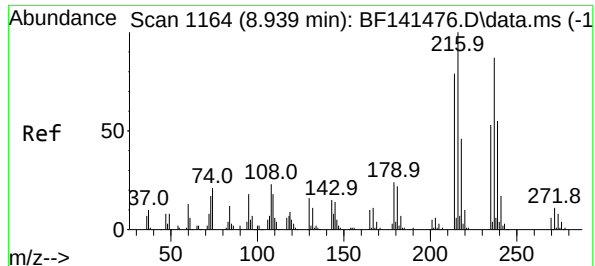
216 100

214 76.5 62.3 93.5

179 21.1 18.0 27.0

108 18.0 15.0 22.6

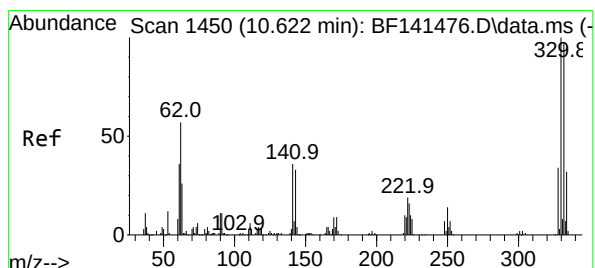
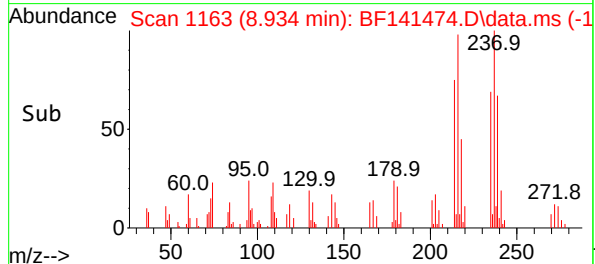
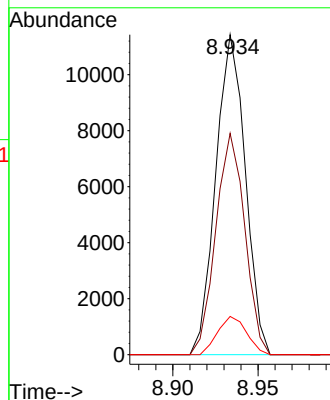
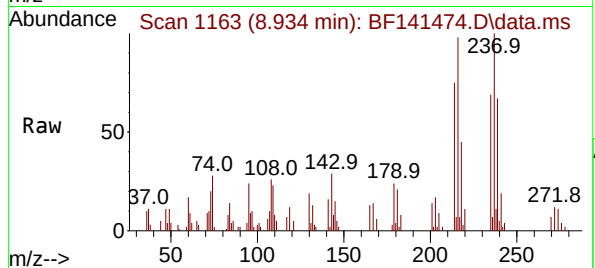




#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

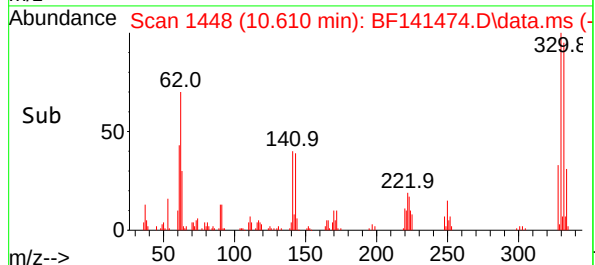
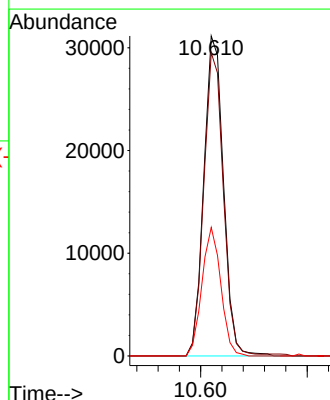
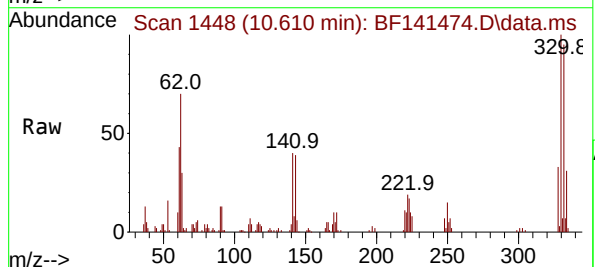
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

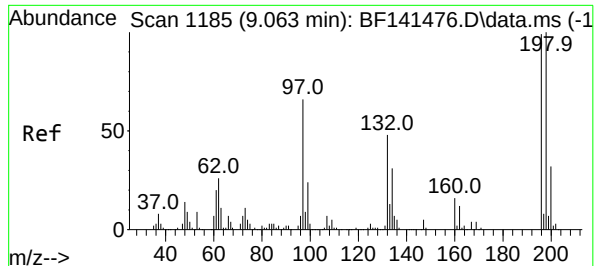
Tgt Ion:237 Resp: 13785
Ion Ratio Lower Upper
237 100
235 69.2 41.4 81.4
272 11.9 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:330 Resp: 40073
Ion Ratio Lower Upper
330 100
332 94.1 78.5 117.7
141 38.6 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 9.773 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

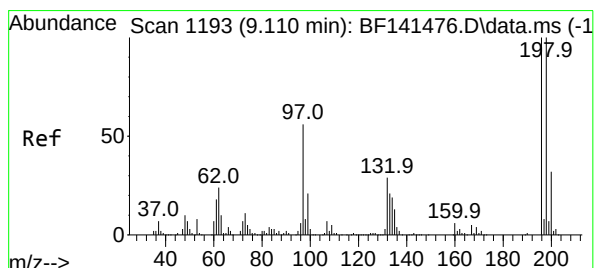
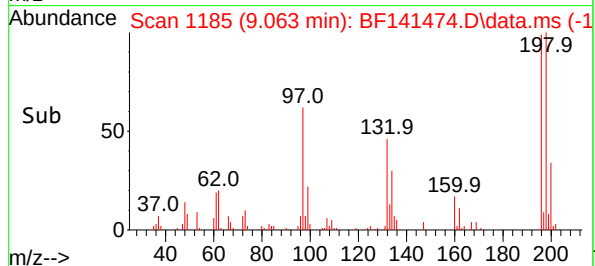
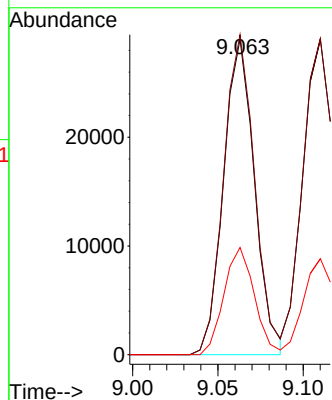
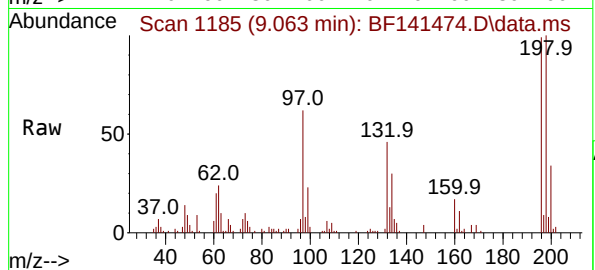
Tgt Ion:196 Resp: 36558

Ion Ratio Lower Upper

196 100

198 101.5 80.6 121.0

200 34.0 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 10.039 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 40697

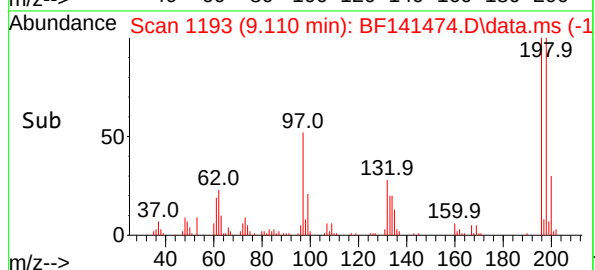
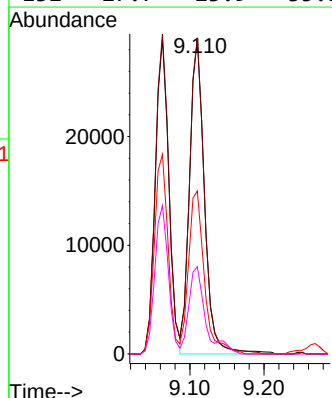
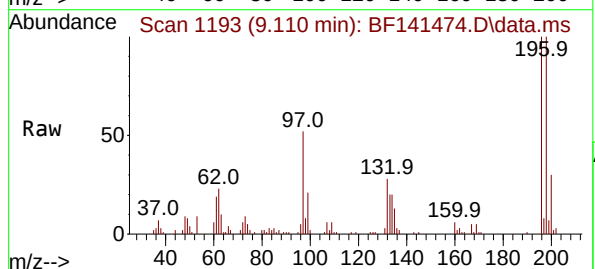
Ion Ratio Lower Upper

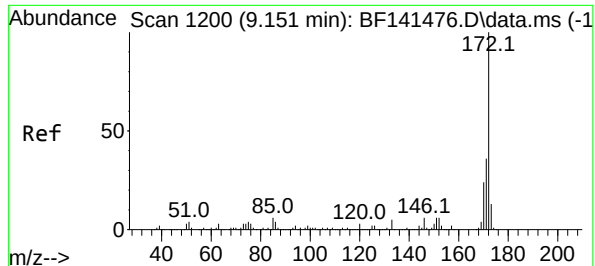
196 100

198 100.3 79.8 119.8

97 51.7 44.8 67.2

132 27.7 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 20.947 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

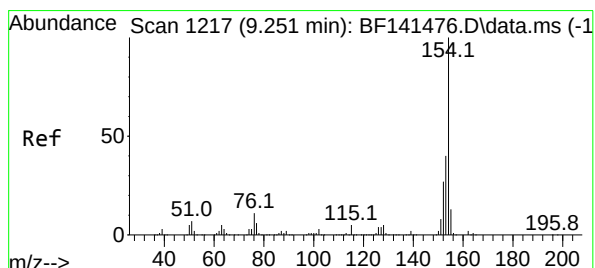
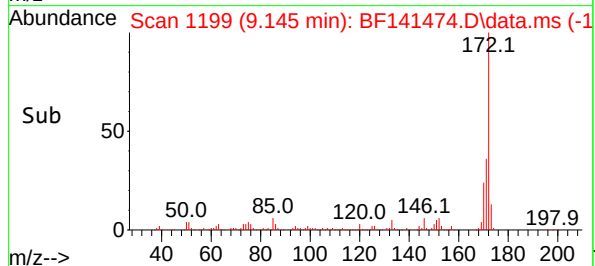
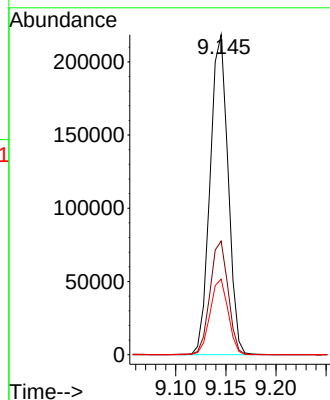
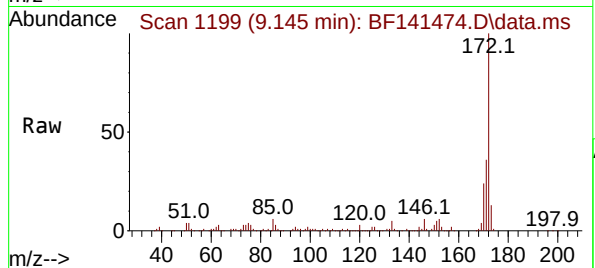
Tgt Ion:172 Resp: 271988

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 10.086 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

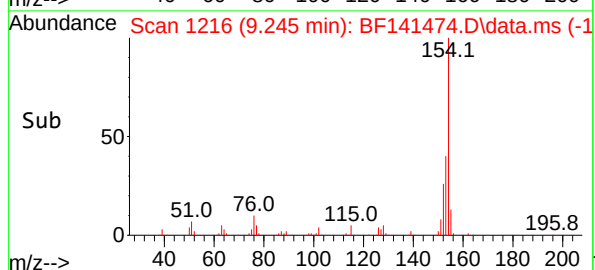
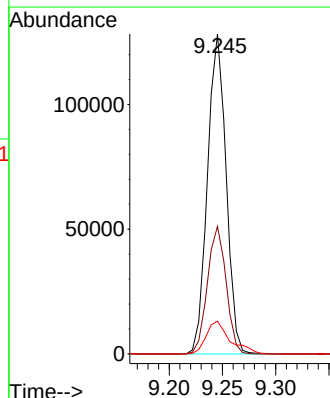
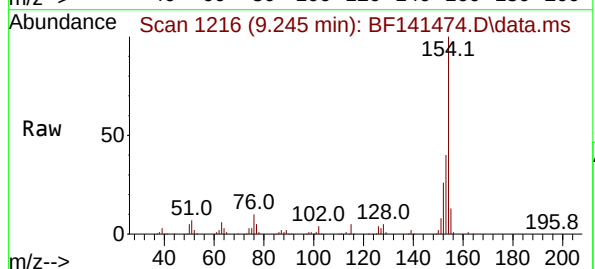
Tgt Ion:154 Resp: 156431

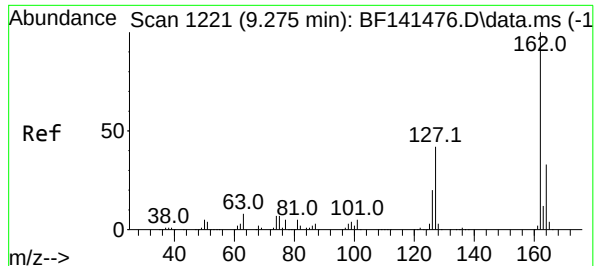
Ion Ratio Lower Upper

154 100

153 39.9 20.4 60.4

76 10.3 0.0 30.8





#47

2-Chloronaphthalene

Concen: 10.125 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141474.D

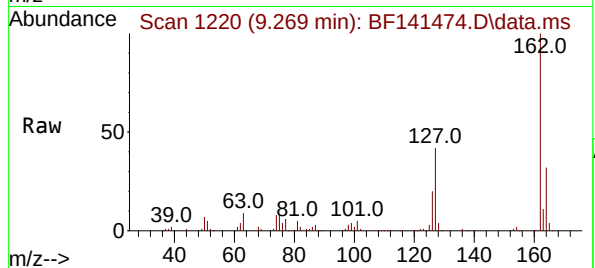
Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010



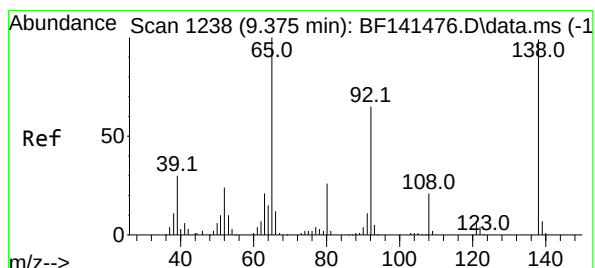
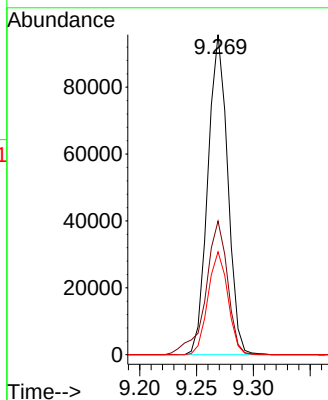
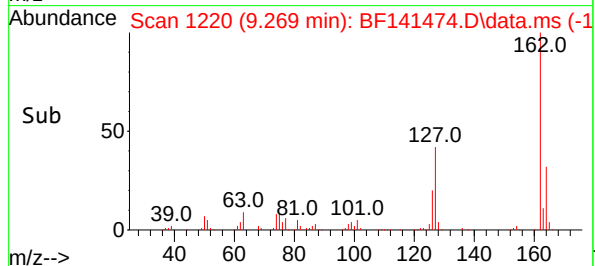
Tgt Ion:162 Resp: 116119

Ion Ratio Lower Upper

162 100

127 41.8 34.1 51.1

164 32.1 26.3 39.5



#48

2-Nitroaniline

Concen: 9.653 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

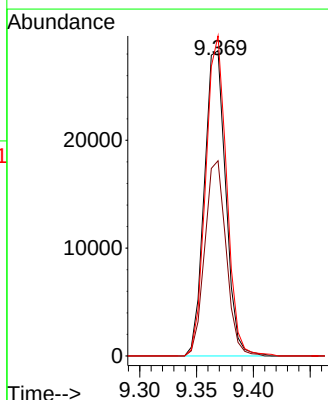
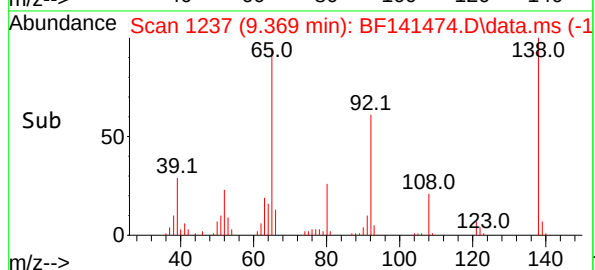
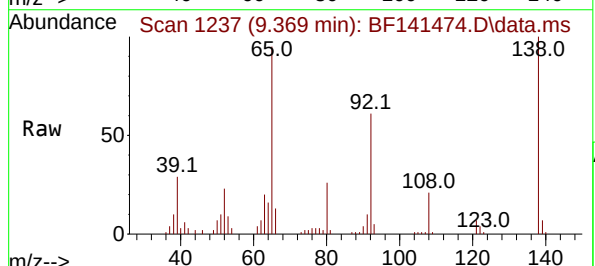
Tgt Ion: 65 Resp: 37155

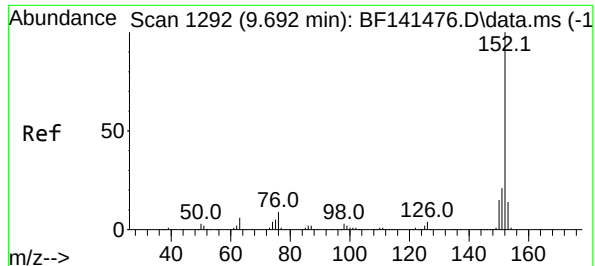
Ion Ratio Lower Upper

65 100

92 63.9 52.2 78.2

138 104.8 79.5 119.3





#49

Acenaphthylene

Concen: 10.179 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

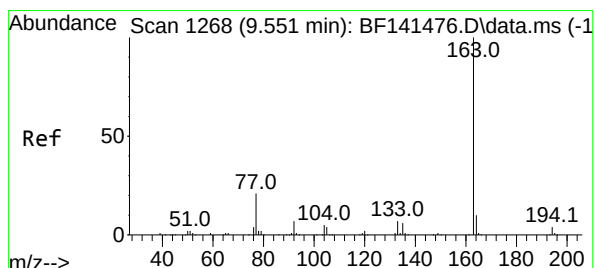
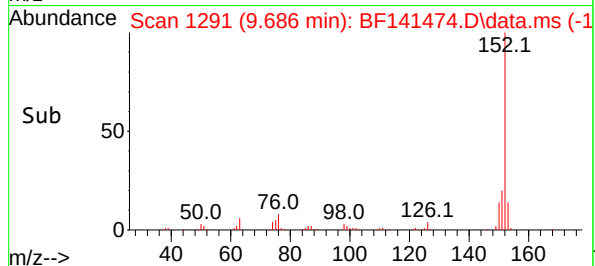
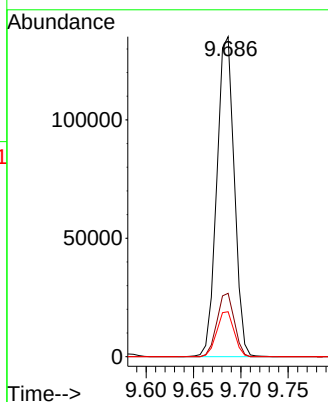
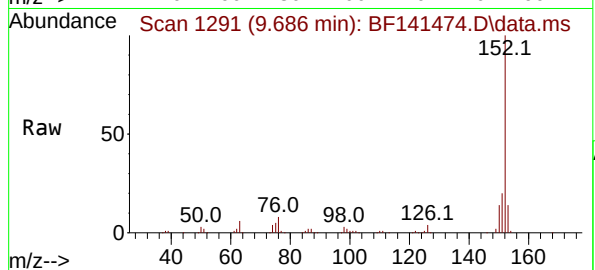
Tgt Ion:152 Resp: 173644

Ion Ratio Lower Upper

152 100

151 19.8 16.4 24.6

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 10.006 ng

RT: 9.545 min Scan# 1267

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

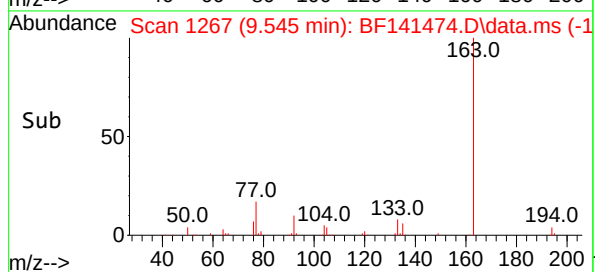
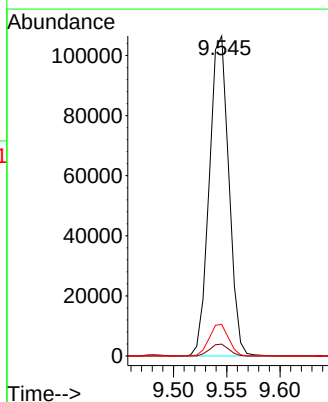
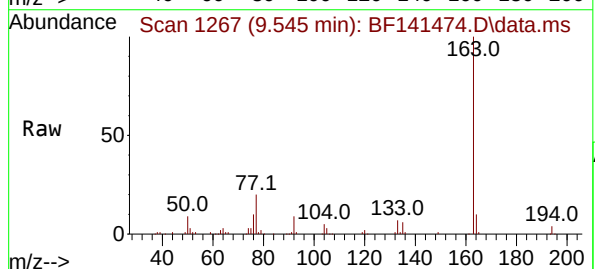
Tgt Ion:163 Resp: 135886

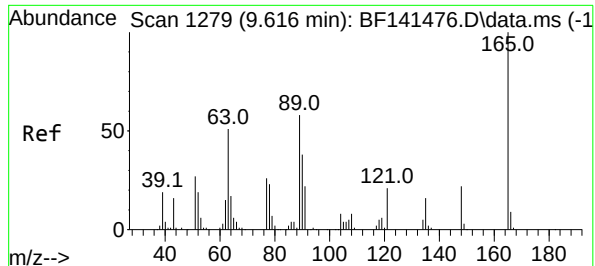
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 9.8 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 9.770 ng

RT: 9.604 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

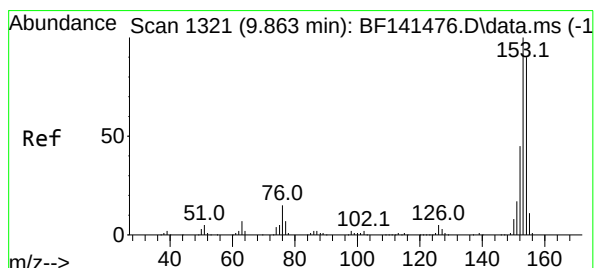
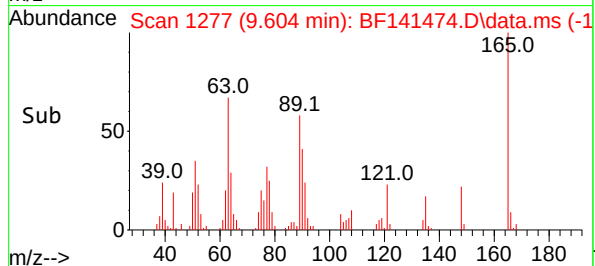
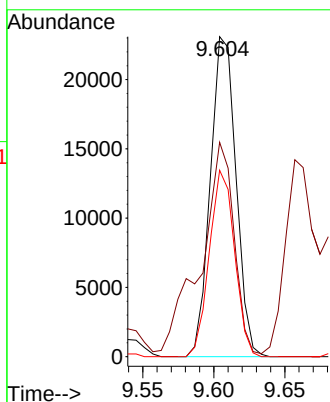
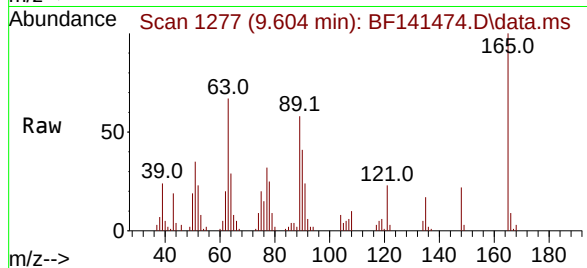
Tgt Ion:165 Resp: 29006

Ion Ratio Lower Upper

165 100

63 67.0 49.4 74.0

89 58.2 46.5 69.7



#52

Acenaphthene

Concen: 10.155 ng m

RT: 9.857 min Scan# 1320

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

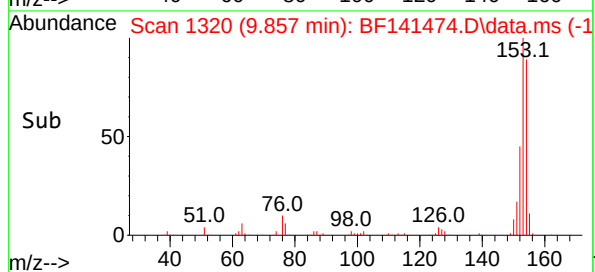
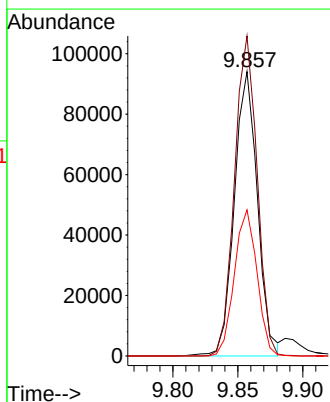
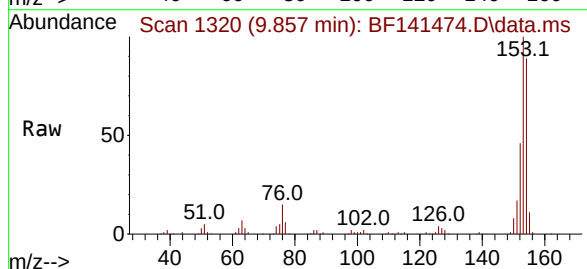
Tgt Ion:154 Resp: 116461

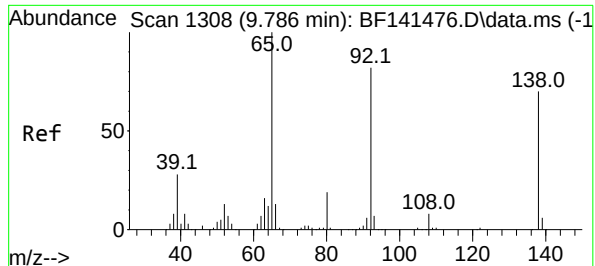
Ion Ratio Lower Upper

154 100

153 112.5 89.2 133.8

152 51.4 39.8 59.8

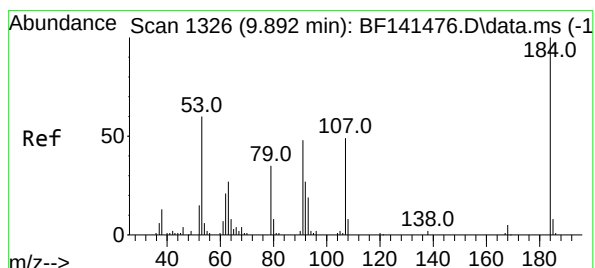
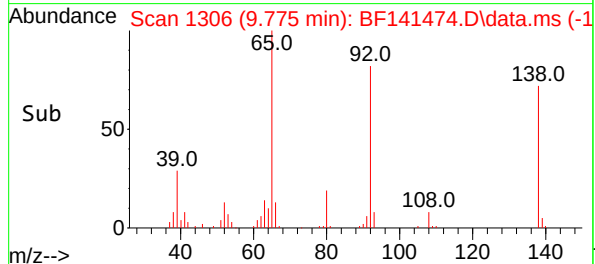
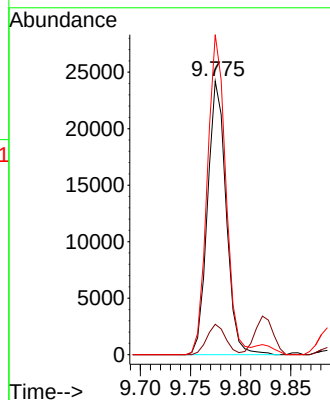
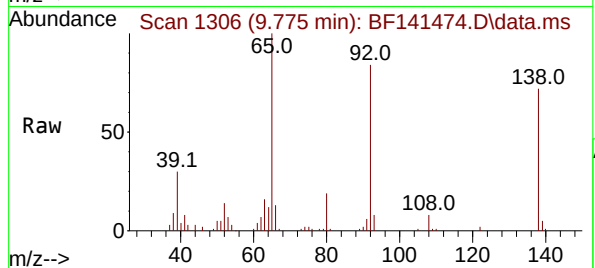




#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

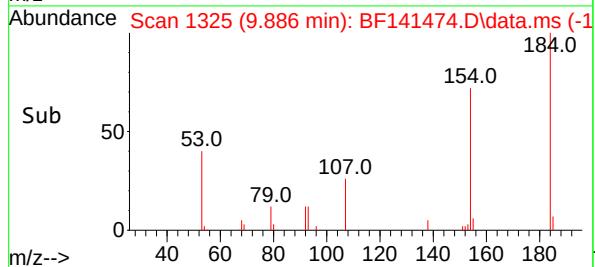
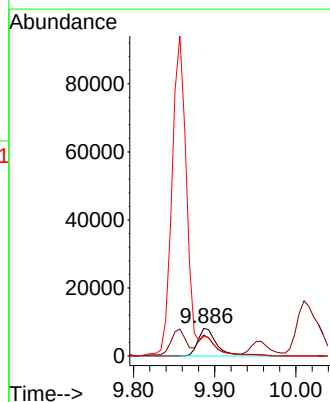
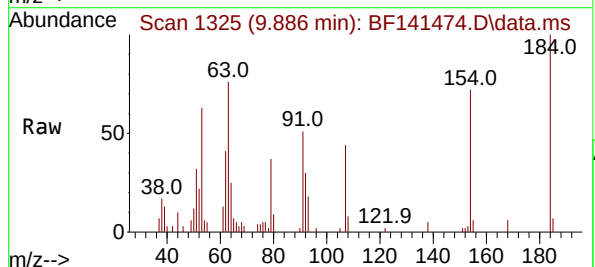
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

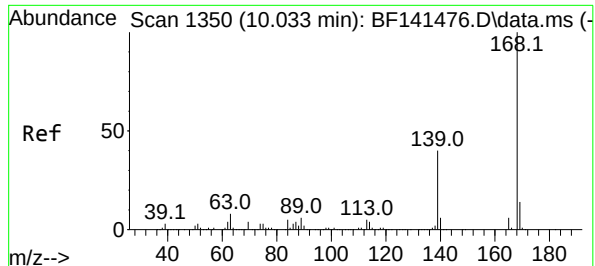
Tgt Ion:138 Resp: 31330
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 116.9 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 13341
Ion Ratio Lower Upper
184 100
63 75.9 61.0 91.6
154 71.6 59.9 89.9





#55

Dibenzenofuran

Concen: 10.230 ng

RT: 10.028 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

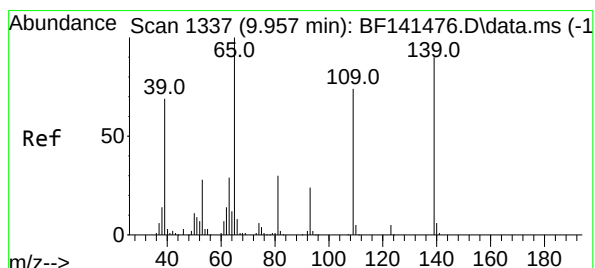
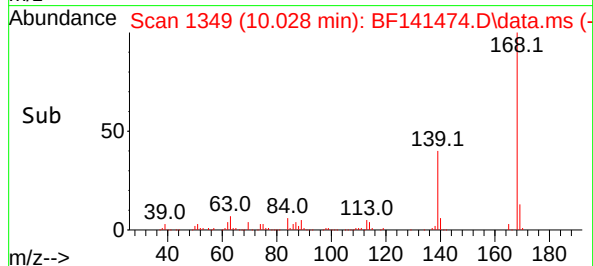
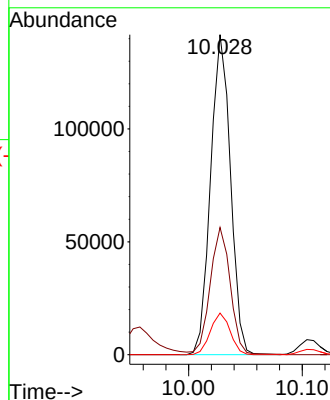
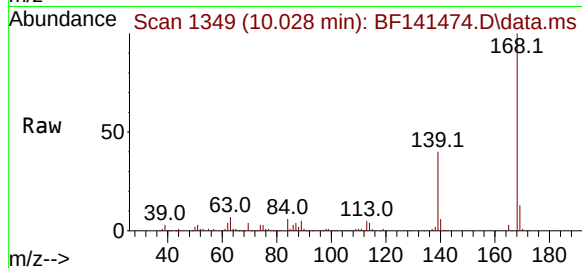
Tgt Ion:168 Resp: 172206

Ion Ratio Lower Upper

168 100

139 39.8 32.7 49.1

169 13.0 10.8 16.2



#56

4-Nitrophenol

Concen: 9.093 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

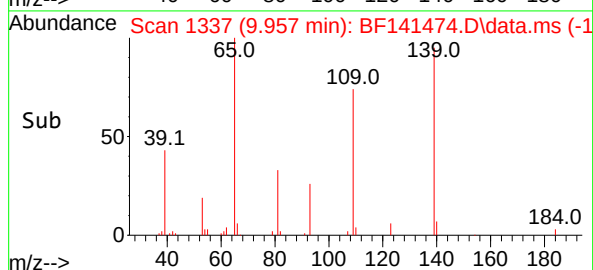
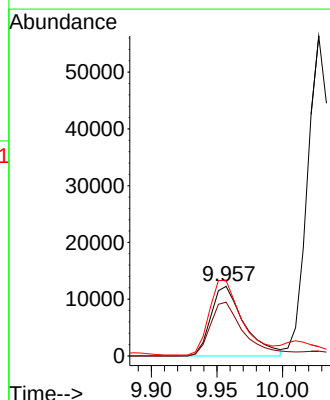
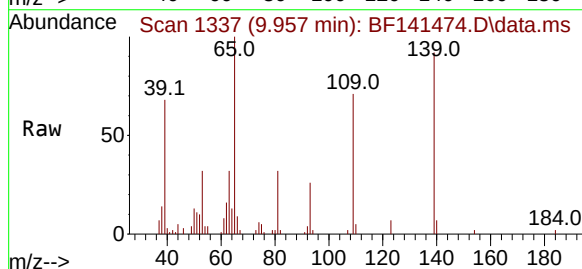
Tgt Ion:139 Resp: 21569

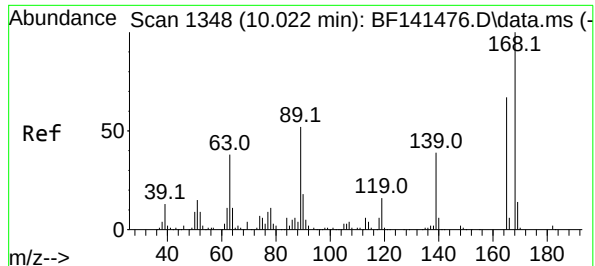
Ion Ratio Lower Upper

139 100

109 77.2 62.0 102.0

65 108.2 91.2 131.2

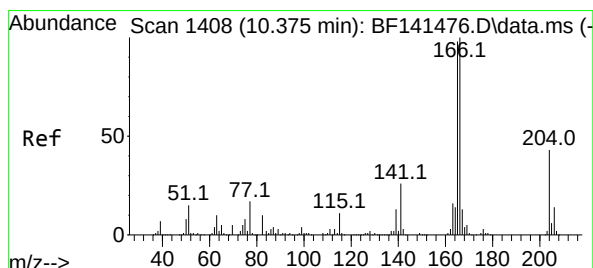
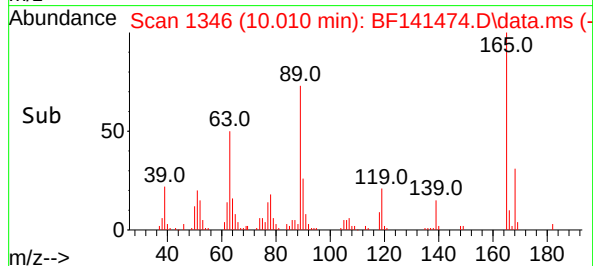
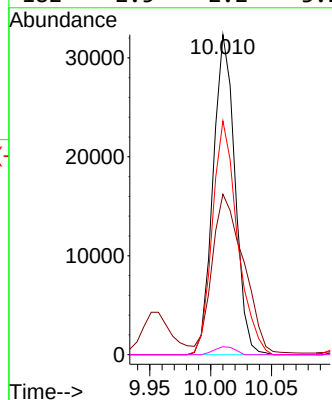
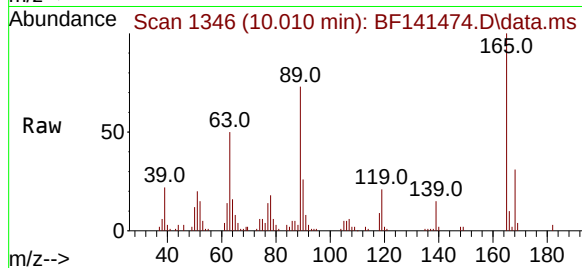




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

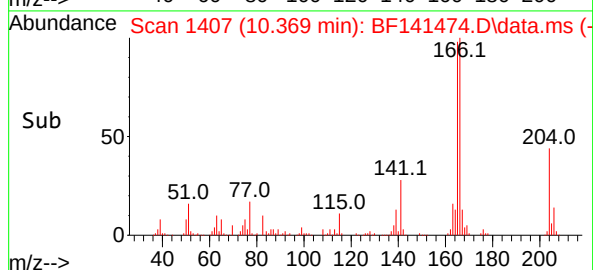
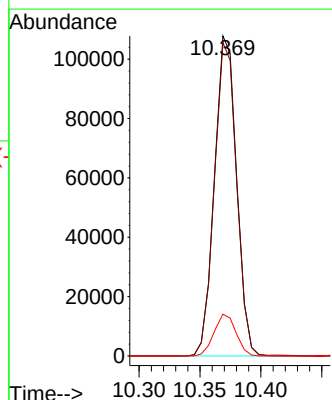
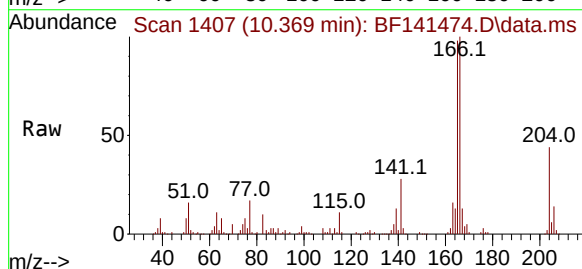
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

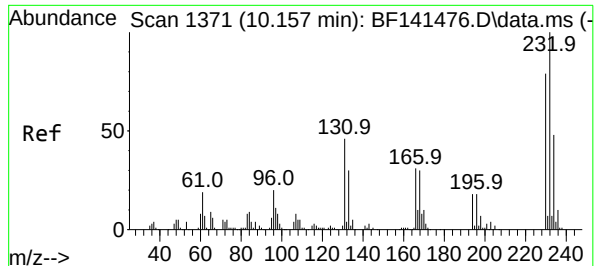
Tgt Ion:165 Resp: 40306
Ion Ratio Lower Upper
165 100
63 50.1 46.4 69.6
89 73.1 61.8 92.6
182 2.5 2.2 3.2



#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:166 Resp: 136110
Ion Ratio Lower Upper
166 100
165 97.9 78.2 117.2
167 13.0 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.344 ng

RT: 10.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:232 Resp: 36102

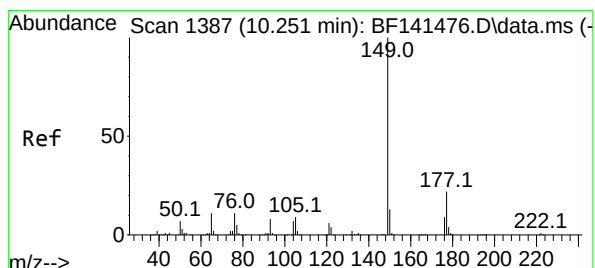
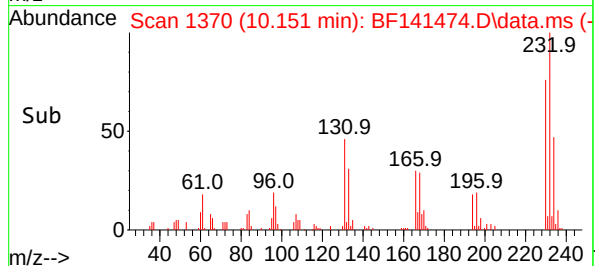
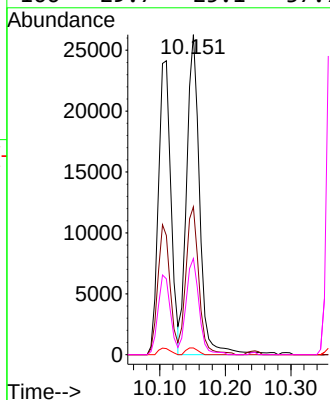
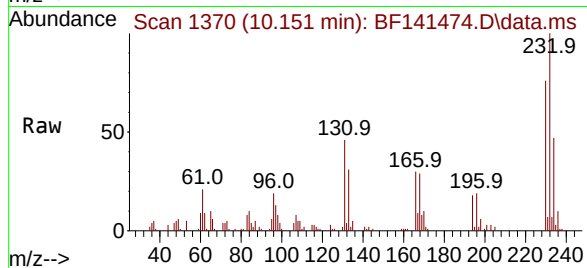
Ion Ratio Lower Upper

232 100

131 45.8 39.2 58.8

130 1.9 2.1 3.1#

166 29.7 25.1 37.7



#60

Diethylphthalate

Concen: 10.073 ng

RT: 10.245 min Scan# 1386

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

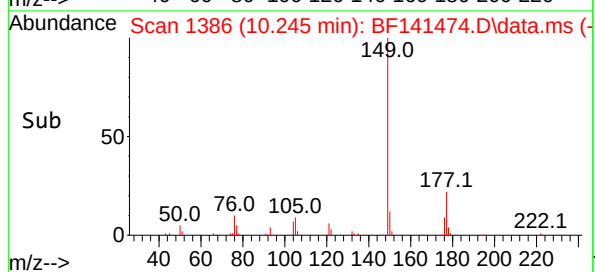
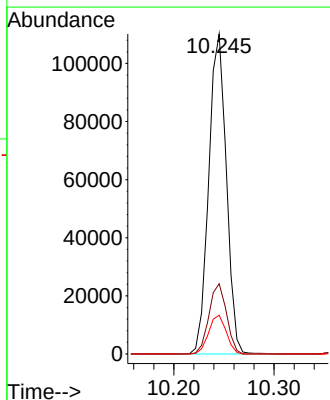
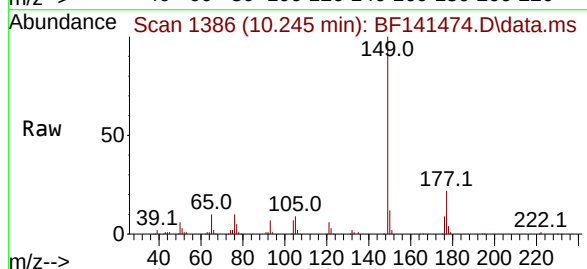
Tgt Ion:149 Resp: 134593

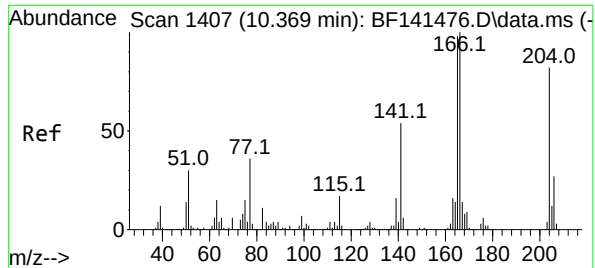
Ion Ratio Lower Upper

149 100

177 22.0 17.8 26.6

150 12.1 10.1 15.1

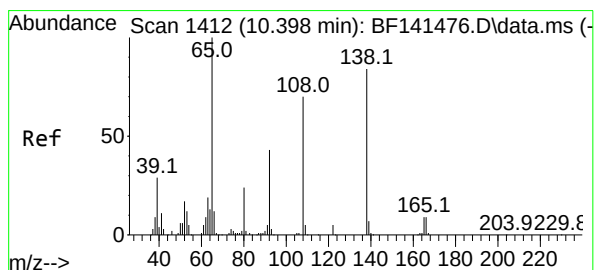
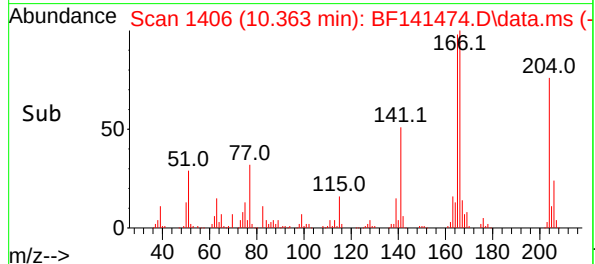
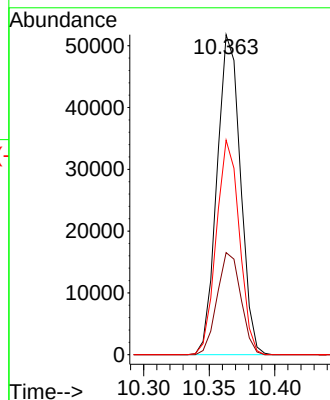
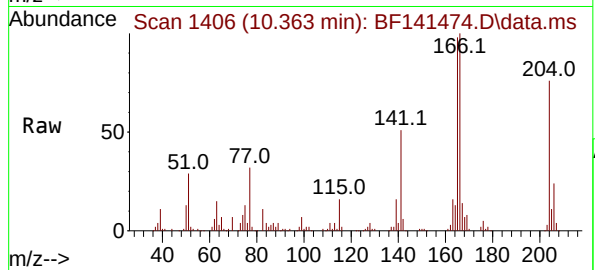




#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

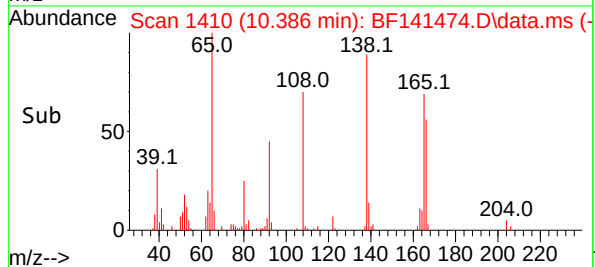
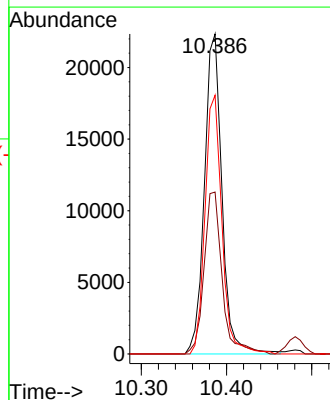
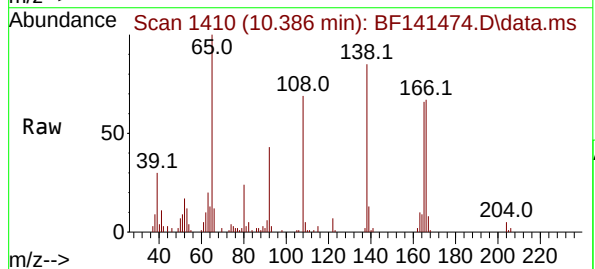
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

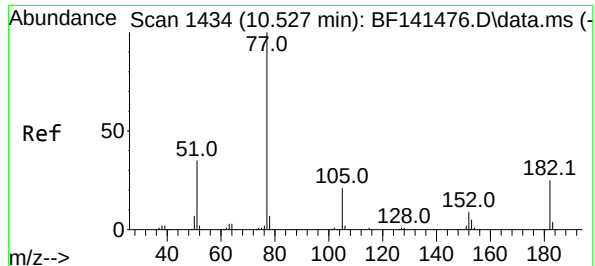
Tgt Ion:204 Resp: 64305
Ion Ratio Lower Upper
204 100
206 31.9 26.6 40.0
141 67.1 51.9 77.9



#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:138 Resp: 31934
Ion Ratio Lower Upper
138 100
92 50.6 31.3 71.3
108 80.8 63.7 103.7

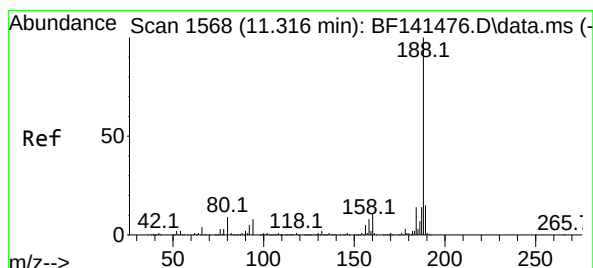
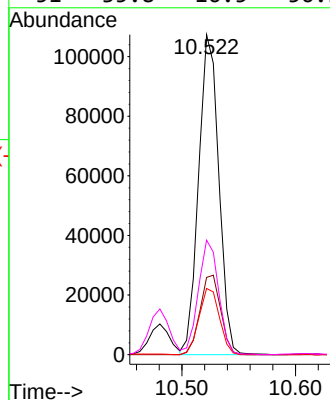
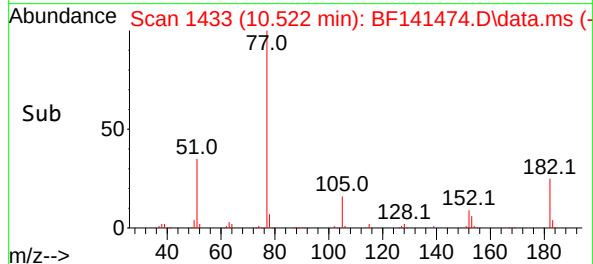
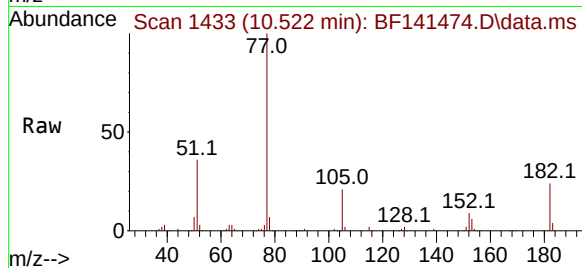




#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

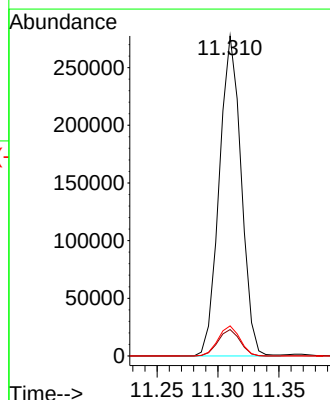
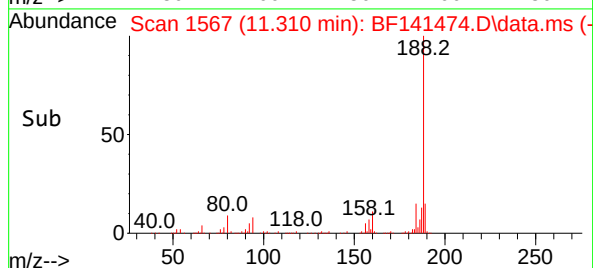
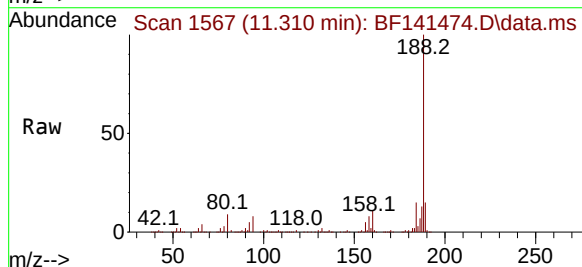
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

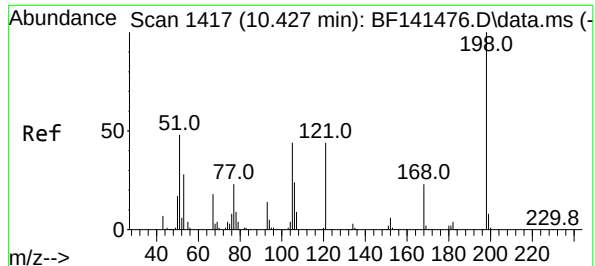
Tgt Ion:	77	Resp:	132968
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:	188	Resp:	347312
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9

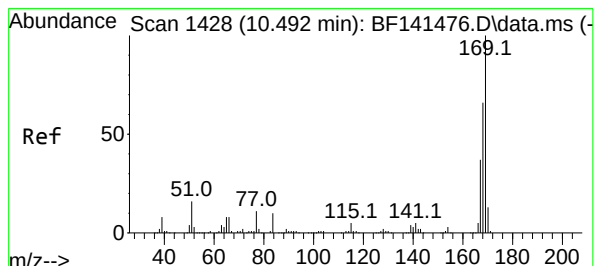
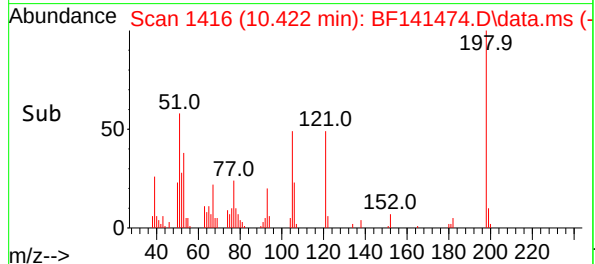
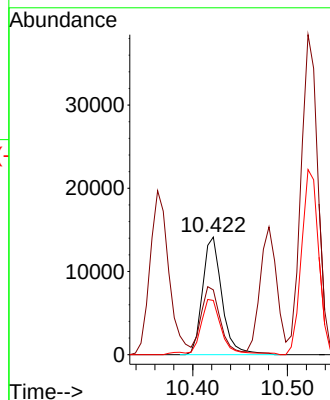
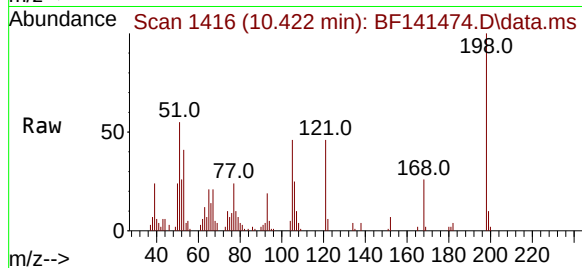




#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

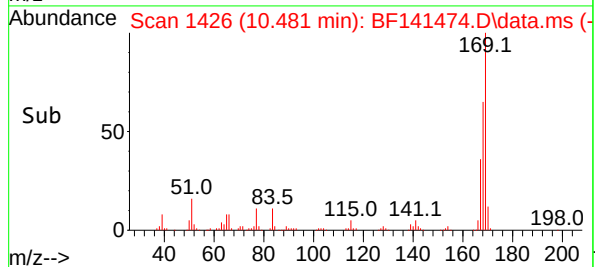
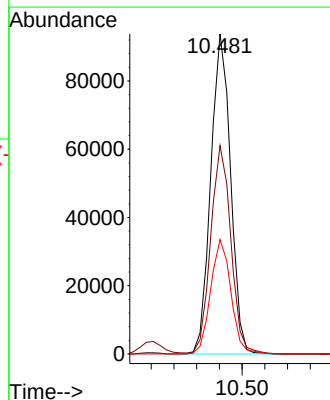
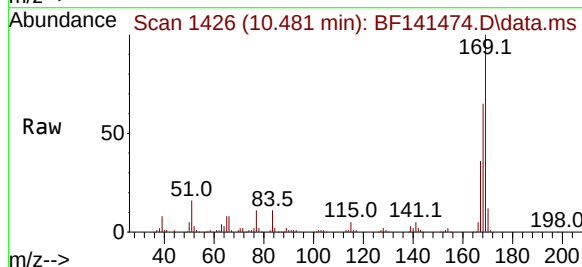
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

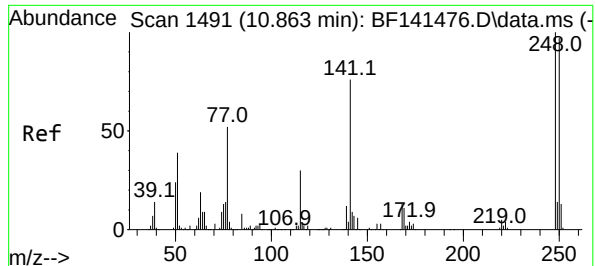
Tgt Ion:198 Resp: 20074
Ion Ratio Lower Upper
198 100
51 55.2 37.4 77.4
105 46.2 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:169 Resp: 113408
Ion Ratio Lower Upper
169 100
168 65.1 53.3 79.9
167 35.7 29.4 44.2

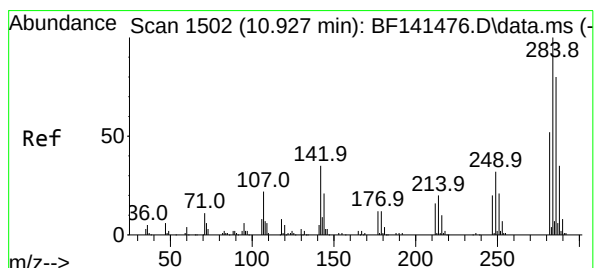
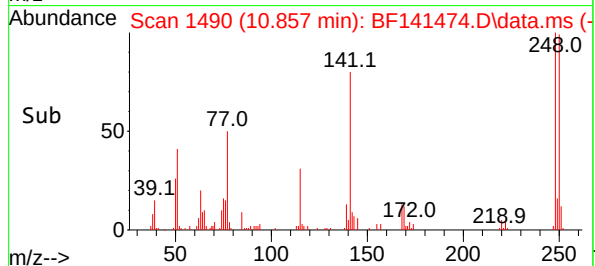
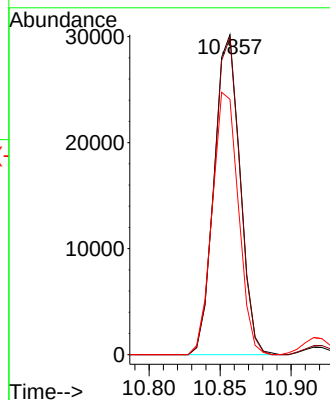
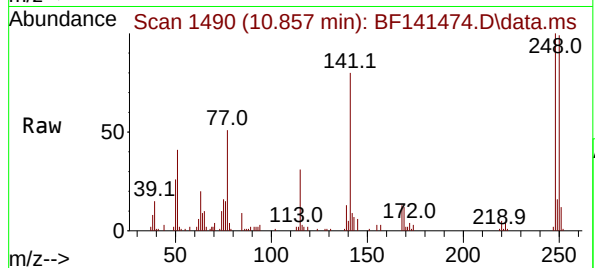




#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

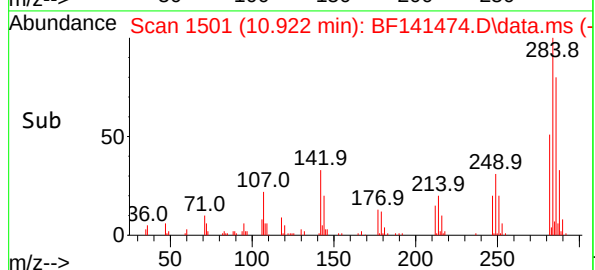
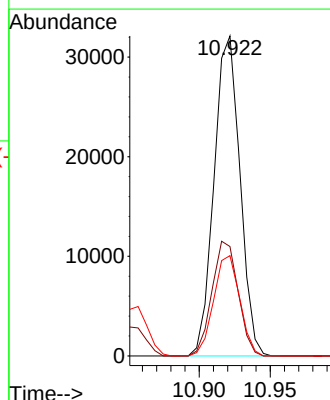
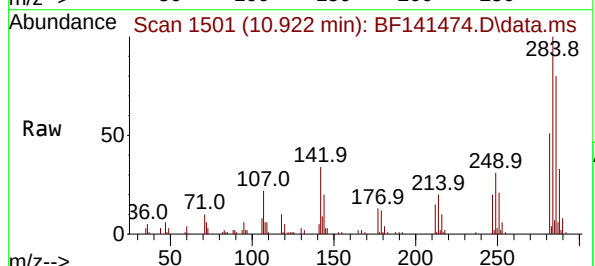
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

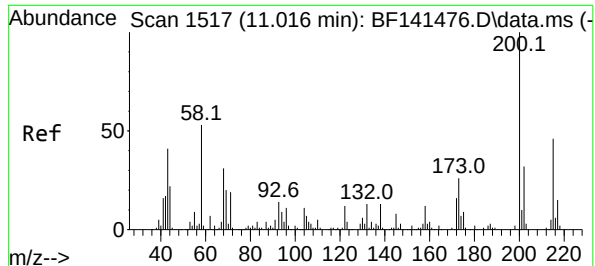
Tgt Ion:248 Resp: 38257
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.6
141 79.8 60.6 90.8



#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:284 Resp: 40715
Ion Ratio Lower Upper
284 100
142 34.2 28.0 42.0
249 31.3 25.8 38.8





#69

Atrazine

Concen: 10.580 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.011 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

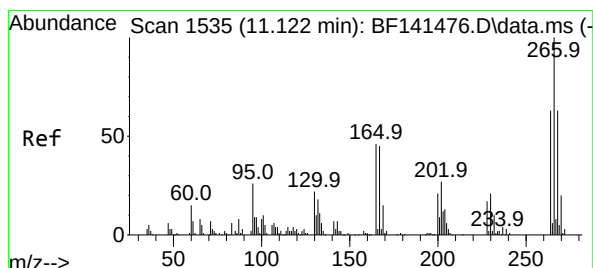
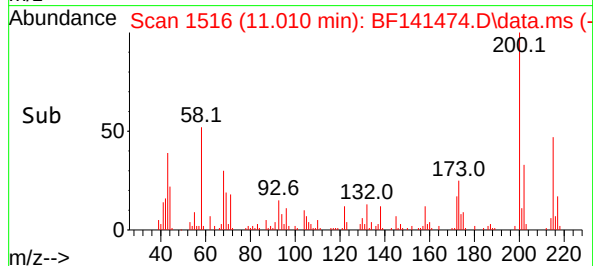
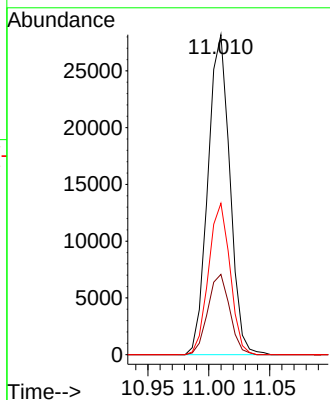
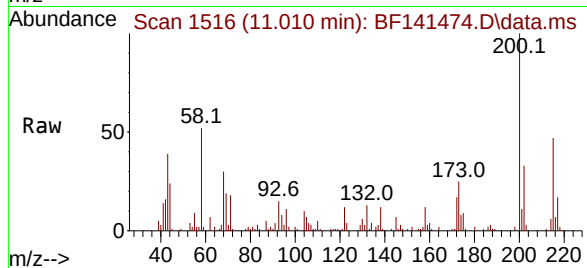
Tgt Ion:200 Resp: 35287

Ion Ratio Lower Upper

200 100

173 25.1 5.9 45.9

215 47.3 25.9 65.9



#70

Pentachlorophenol

Concen: 8.895 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

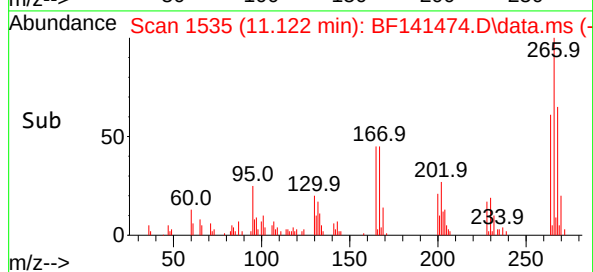
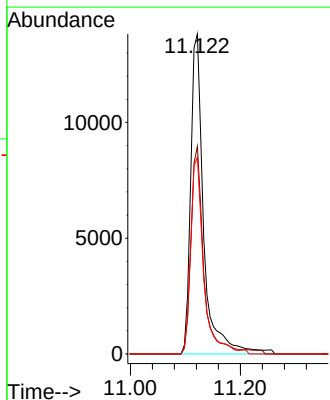
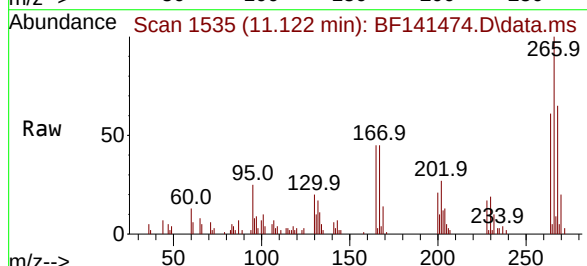
Tgt Ion:266 Resp: 22735

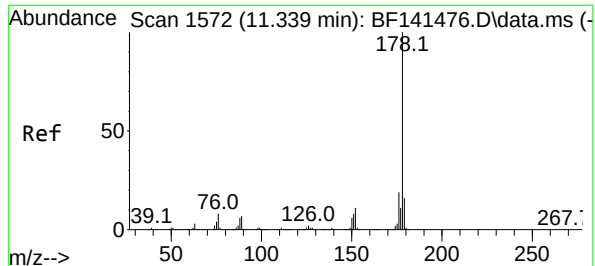
Ion Ratio Lower Upper

266 100

268 64.9 50.1 75.1

264 61.5 50.1 75.1





#71

Phenanthrene

Concen: 10.283 ng

RT: 11.333 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

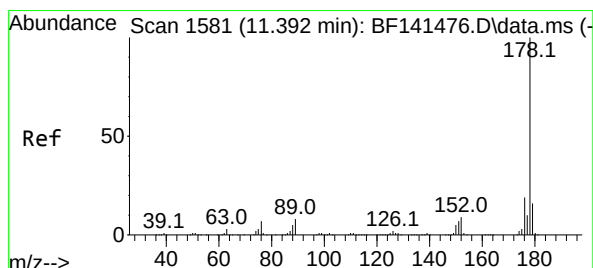
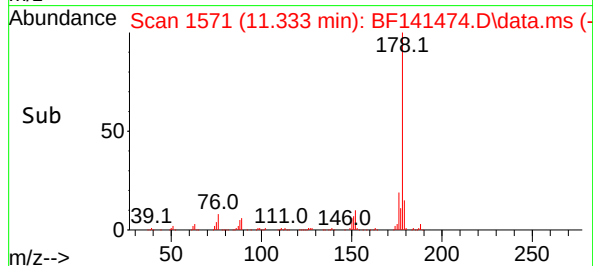
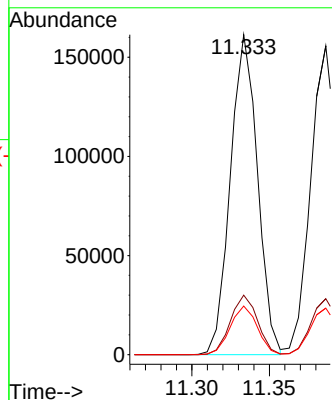
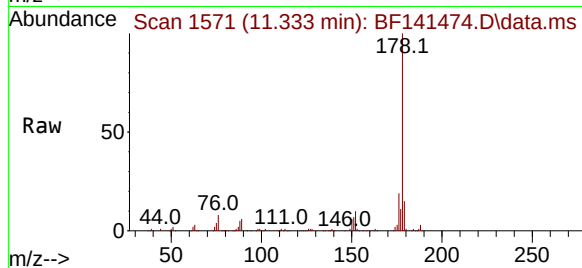
Tgt Ion:178 Resp: 196586

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.2 12.4 18.6



#72

Anthracene

Concen: 10.174 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

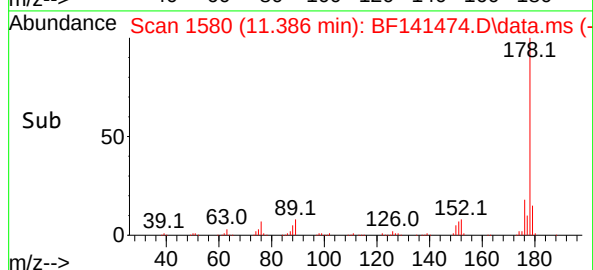
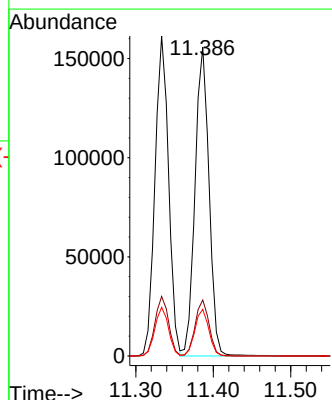
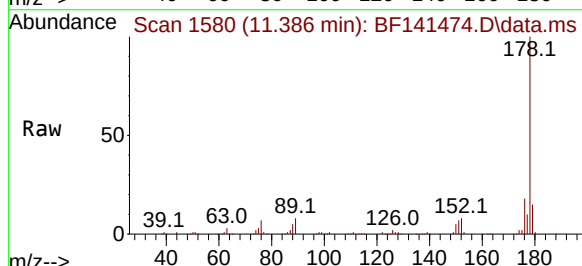
Tgt Ion:178 Resp: 195528

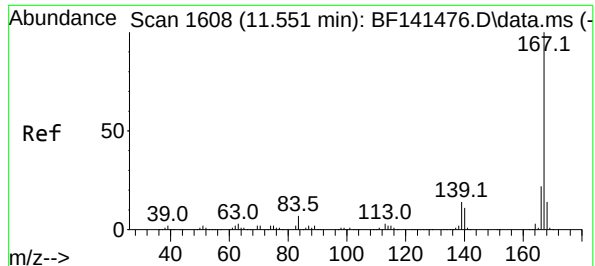
Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

179 15.1 12.4 18.6

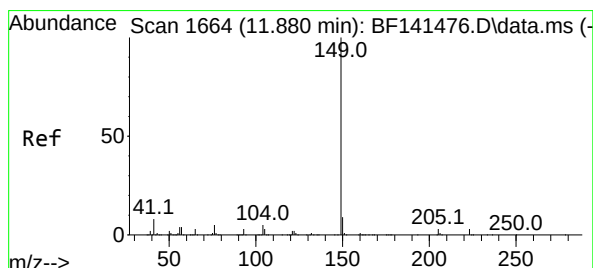
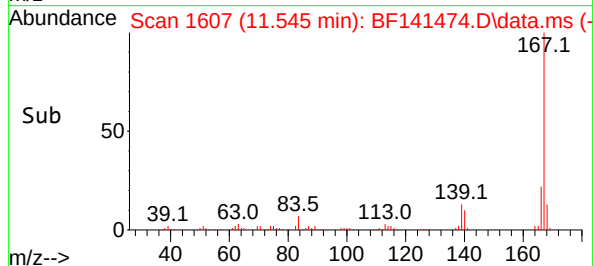
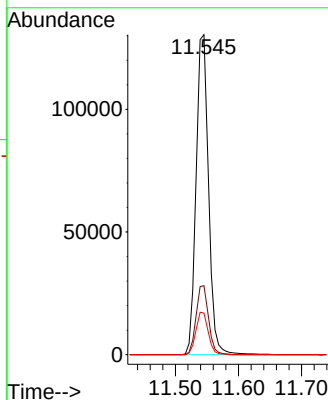
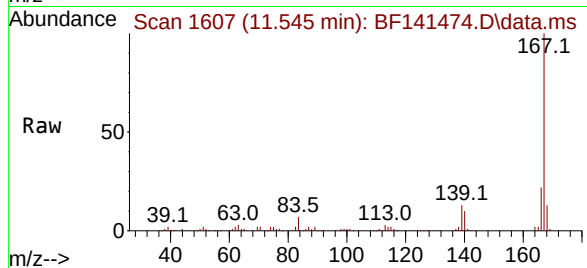




#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

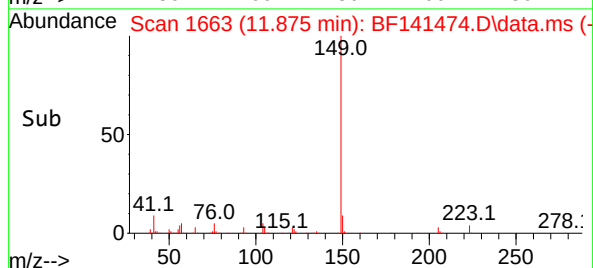
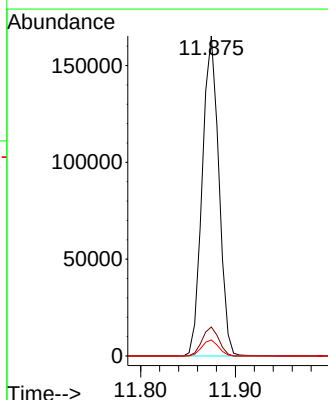
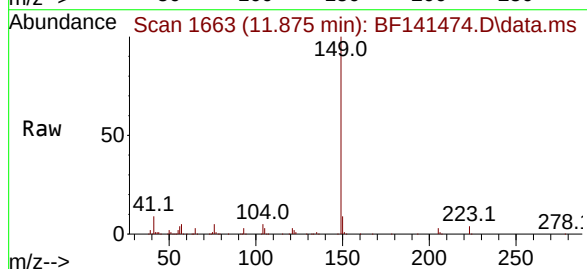
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

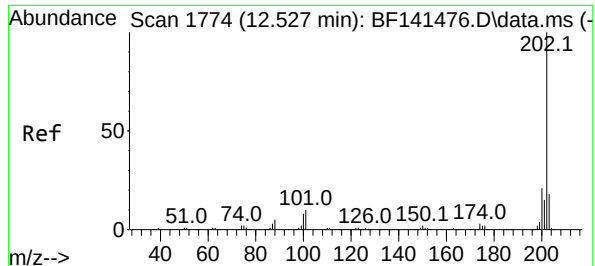
Tgt Ion:167 Resp: 178223
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.0 10.9 16.3



#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 200806
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.2 6.2

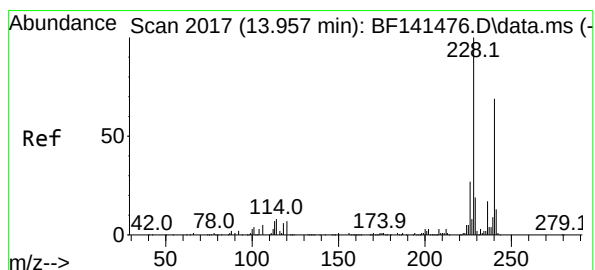
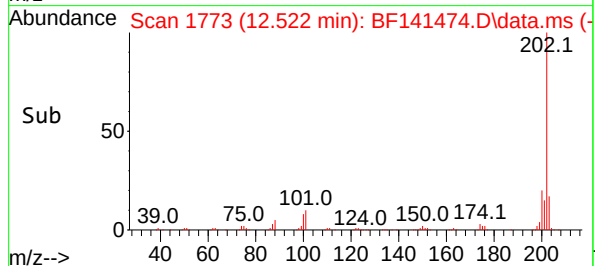
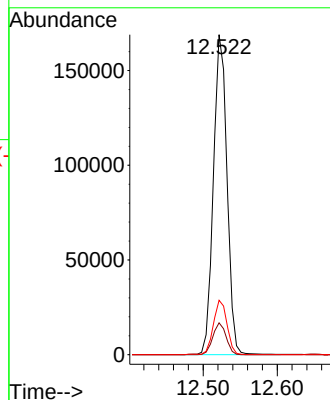
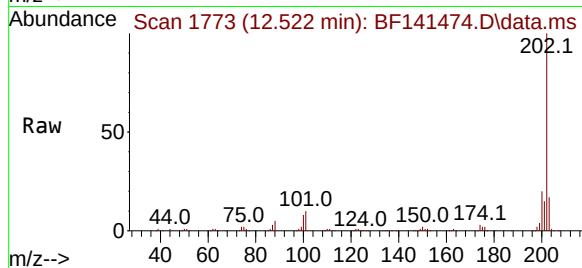




#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

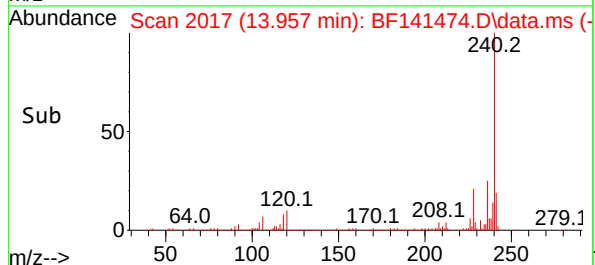
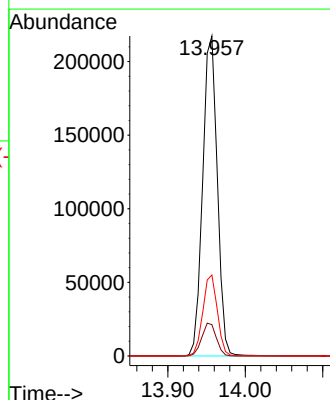
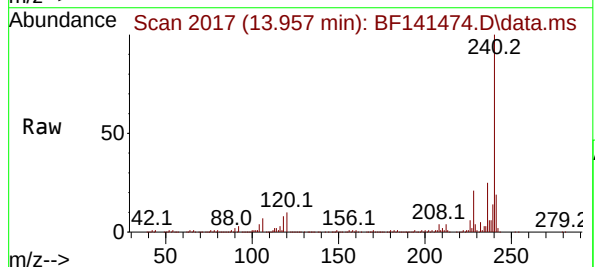
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

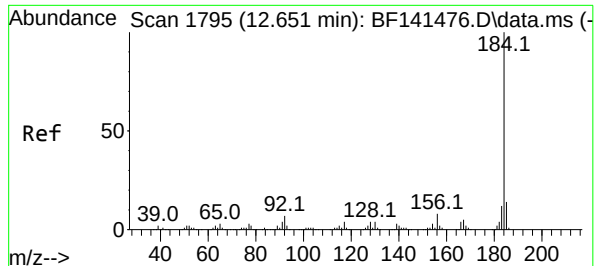
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.0	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.3	19.8	29.8





#77

Benzidine

Concen: 11.050 ng

RT: 12.651 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141474.D

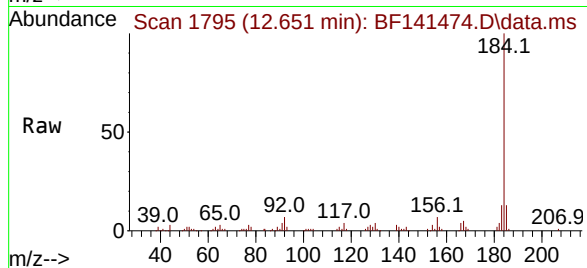
Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



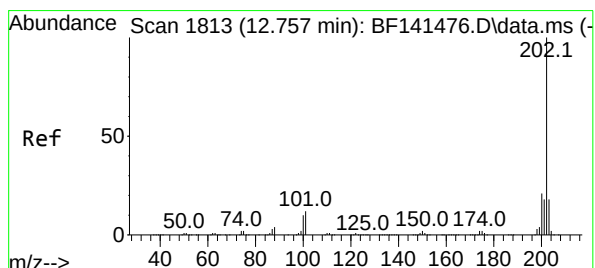
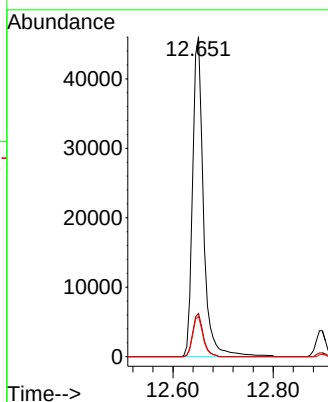
Tgt Ion:184 Resp: 69402

Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

183 12.6 9.3 13.9



#78

Pyrene

Concen: 9.146 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

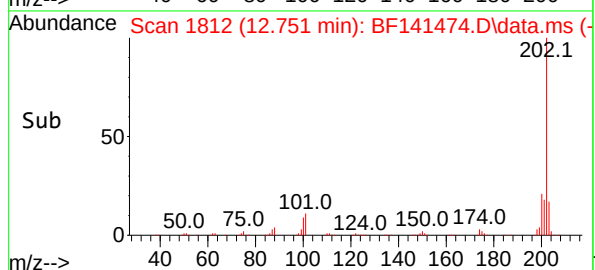
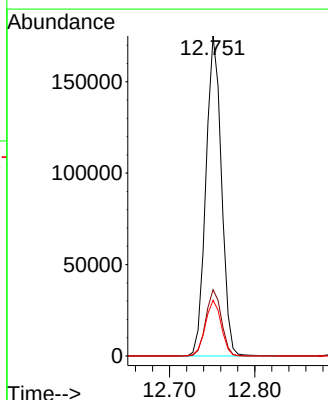
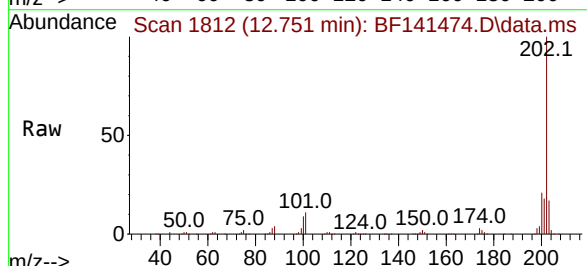
Tgt Ion:202 Resp: 221721

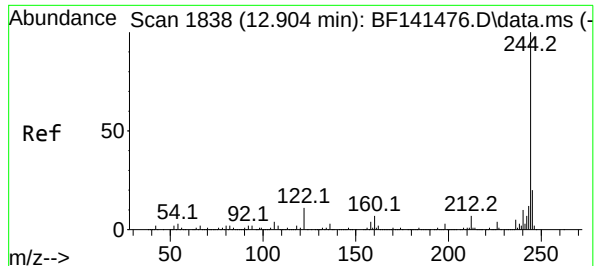
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 18.645 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

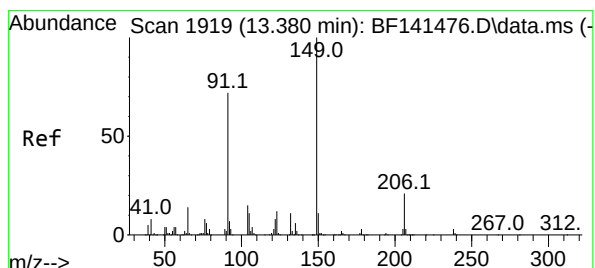
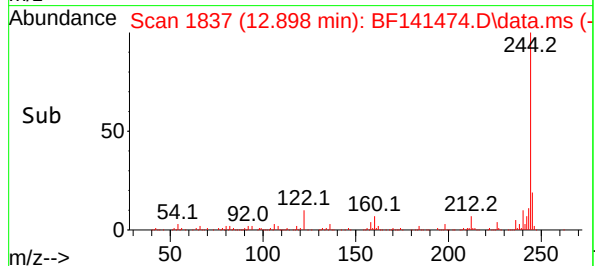
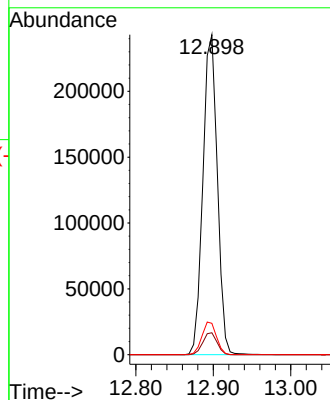
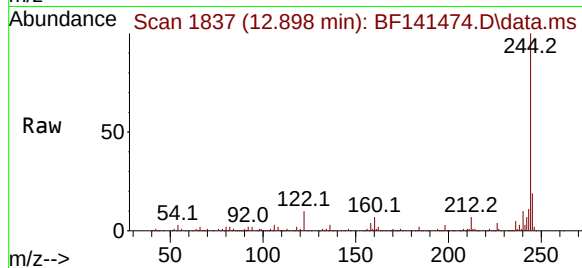
Tgt Ion:244 Resp: 314541

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.8 8.4 12.6



#80

Butylbenzylphthalate

Concen: 9.152 ng

RT: 13.374 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

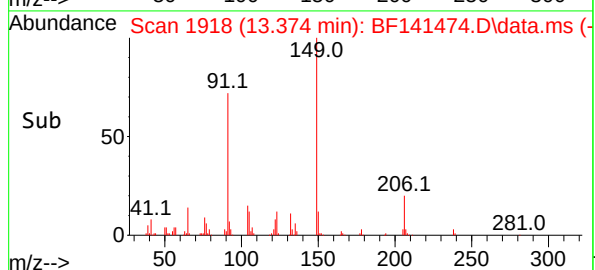
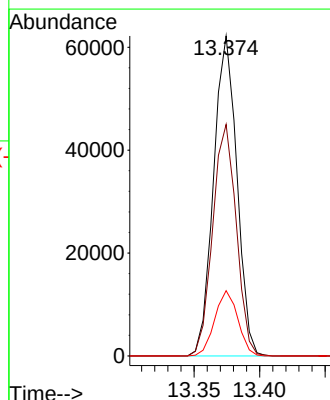
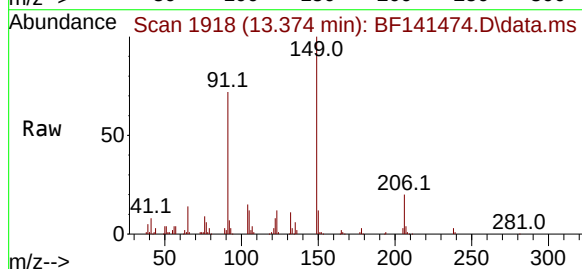
Tgt Ion:149 Resp: 76852

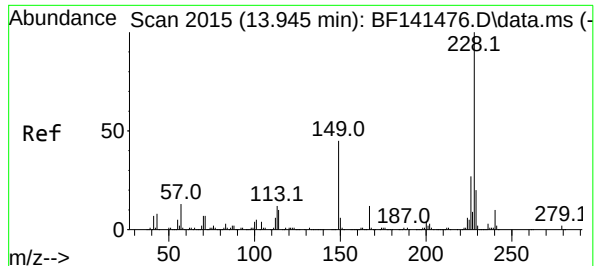
Ion Ratio Lower Upper

149 100

91 72.3 57.8 86.8

206 20.4 16.7 25.1

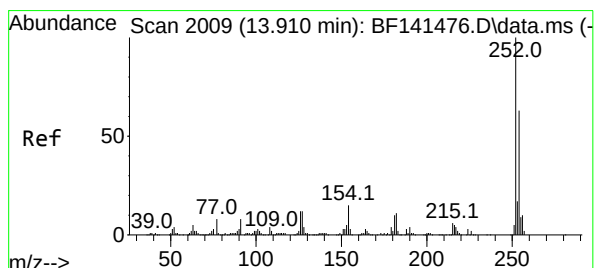
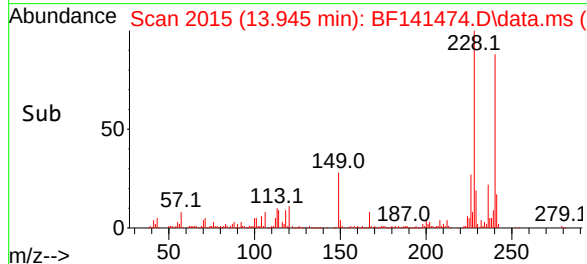
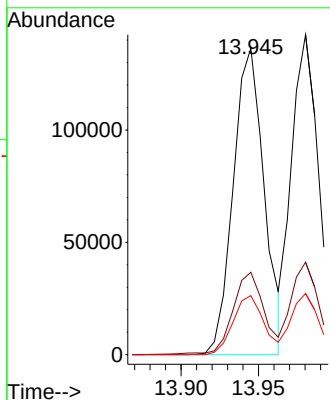
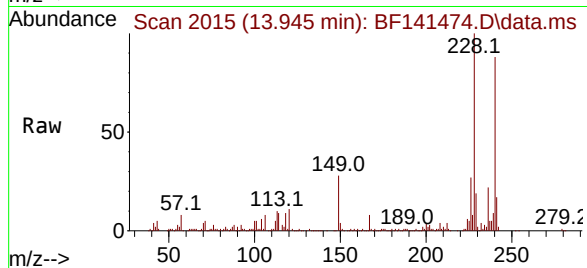




#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

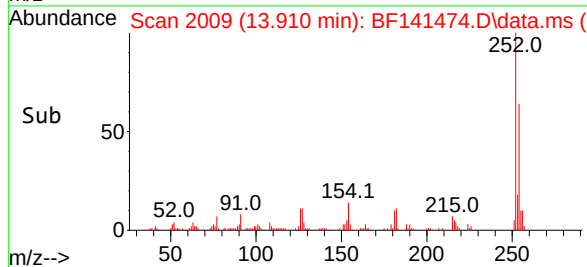
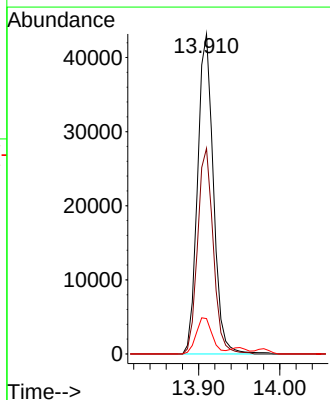
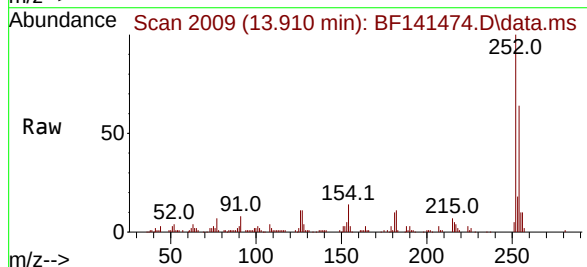
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

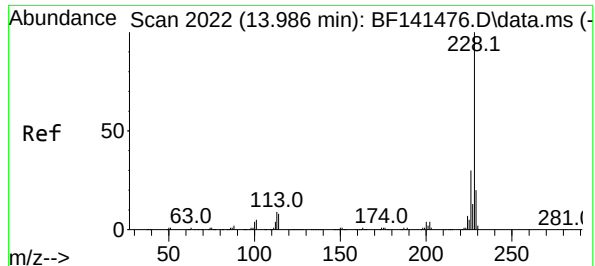
Tgt Ion:228 Resp: 189705
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 58487
Ion Ratio Lower Upper
252 100
254 64.3 50.6 76.0
126 11.1 9.3 13.9





#83

Chrysene

Concen: 9.960 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

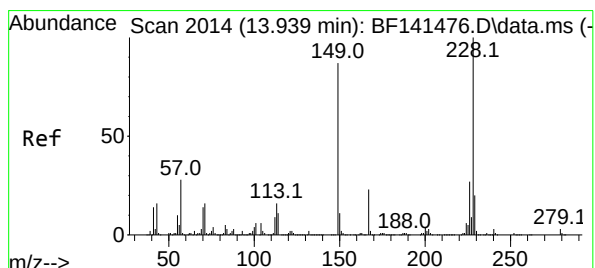
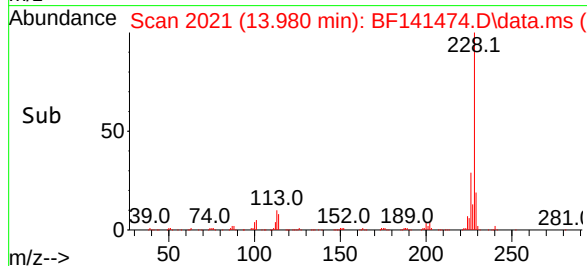
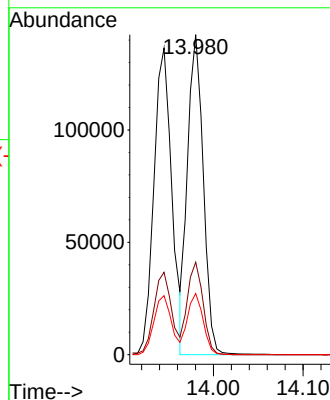
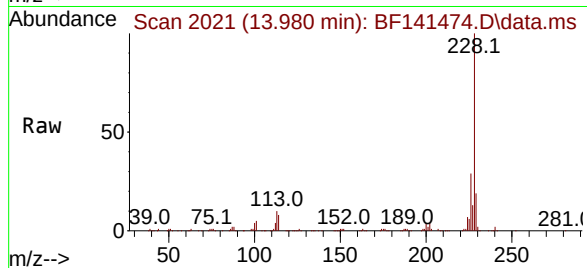
Tgt Ion:228 Resp: 174103

Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.171 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

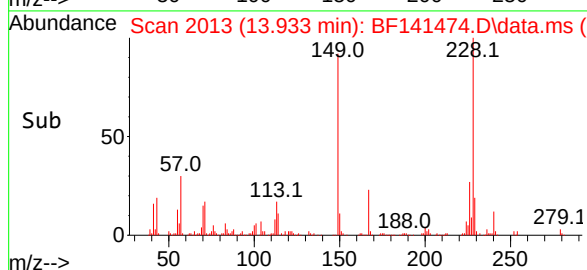
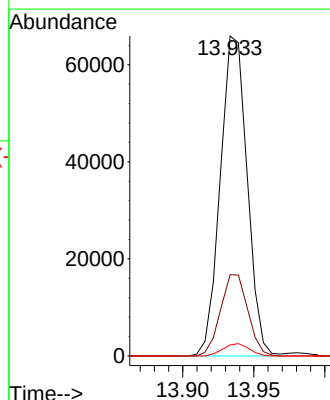
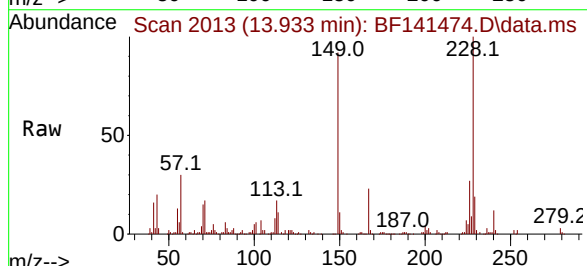
Tgt Ion:149 Resp: 86853

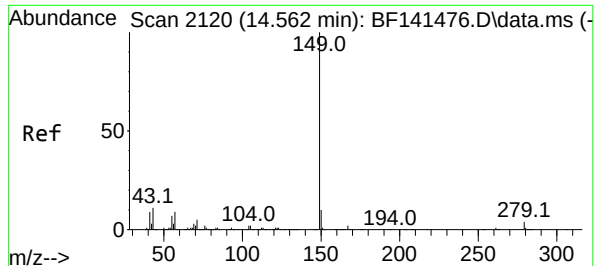
Ion Ratio Lower Upper

149 100

167 25.4 21.4 32.0

279 3.5 3.1 4.7

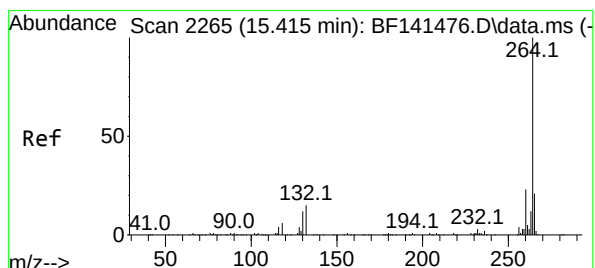
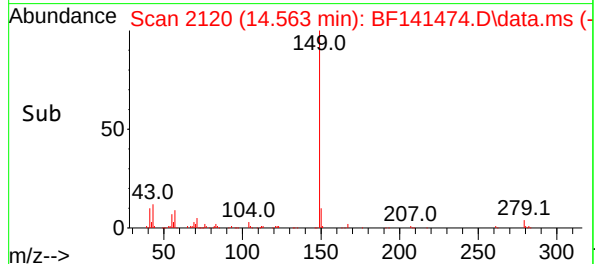
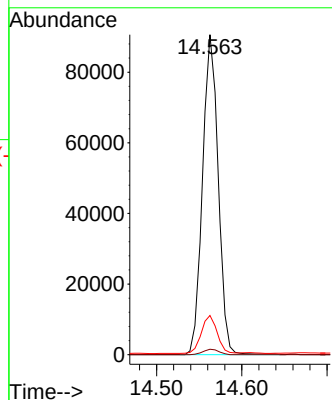
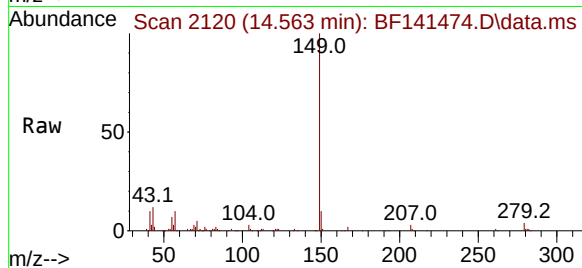




#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

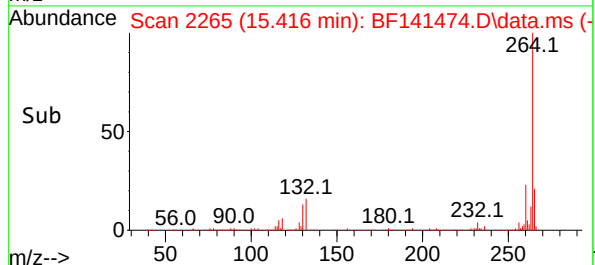
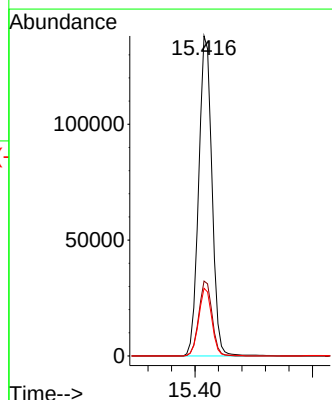
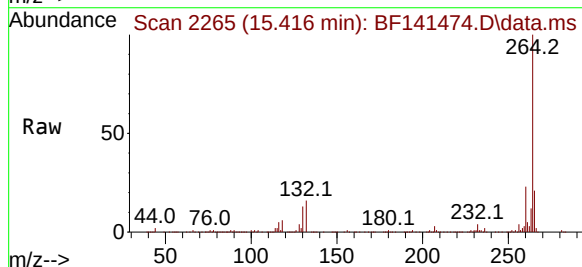
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

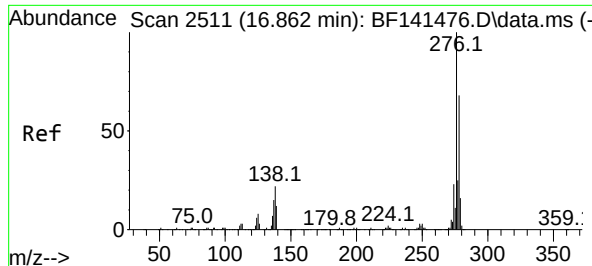
Tgt Ion:149 Resp: 115875
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.1 9.5 14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:264 Resp: 215900
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.327 ng

RT: 16.851 min Scan# 2110

Delta R.T. -0.023 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

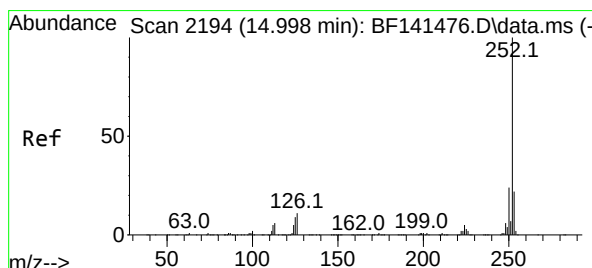
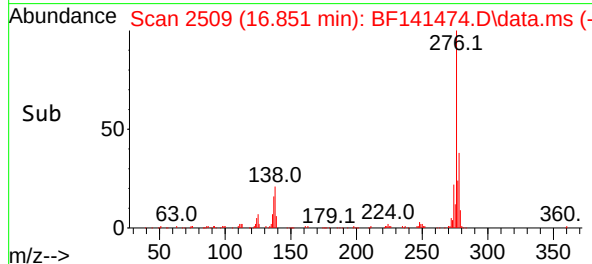
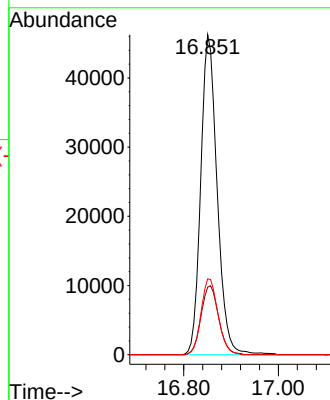
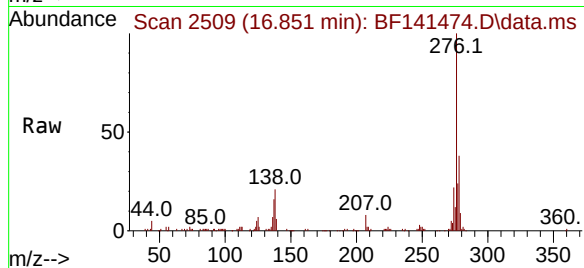
Tgt Ion:276 Resp: 111083

Ion Ratio Lower Upper

276 100

138 23.1 18.0 27.0

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.476 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

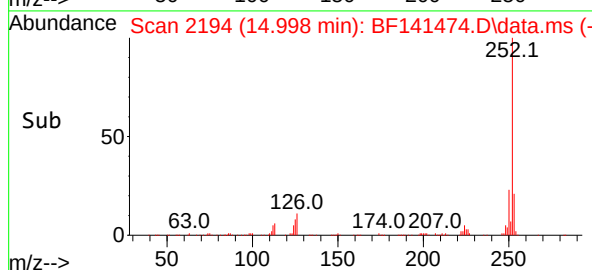
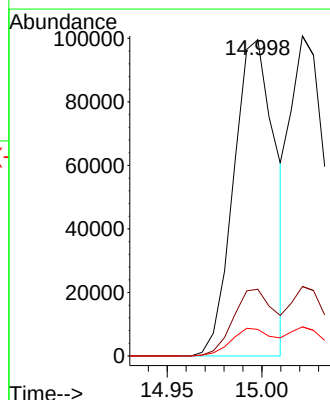
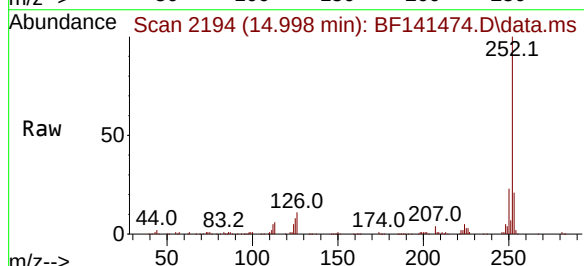
Tgt Ion:252 Resp: 151861

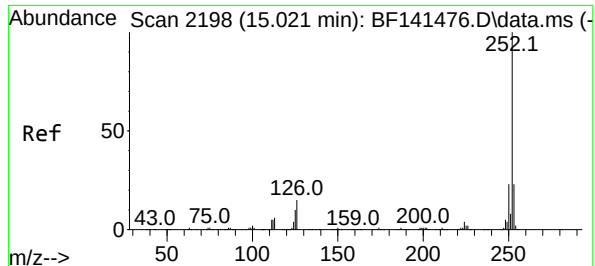
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 8.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 10.604 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

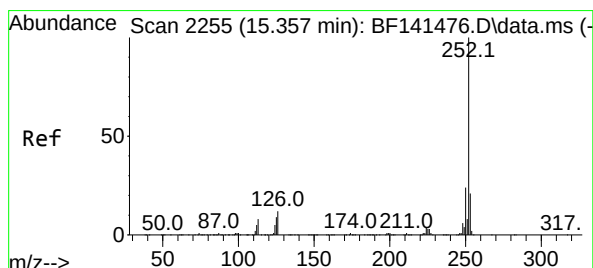
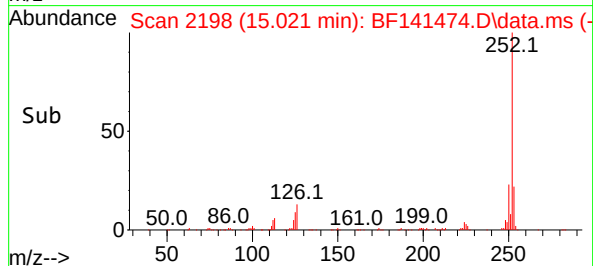
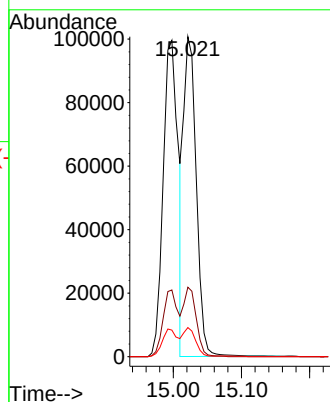
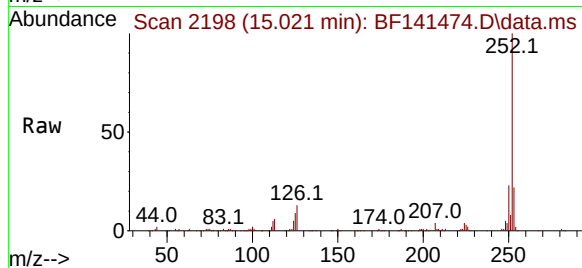
Tgt Ion:252 Resp: 131265

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 9.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 9.885 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

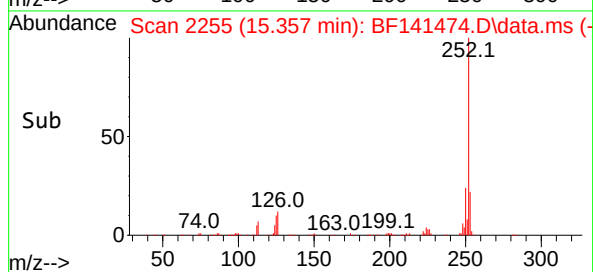
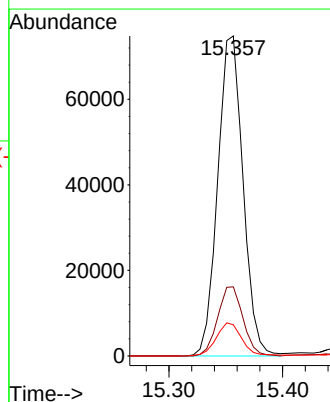
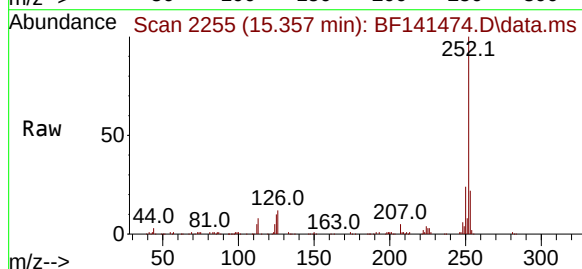
Tgt Ion:252 Resp: 115948

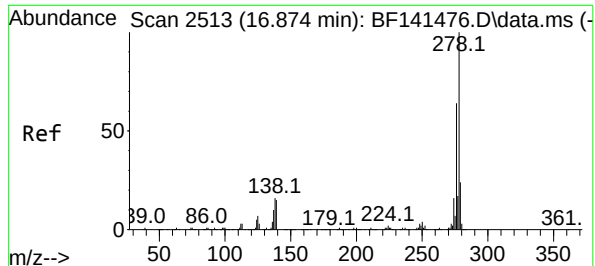
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 9.8 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 8.271 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.023 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

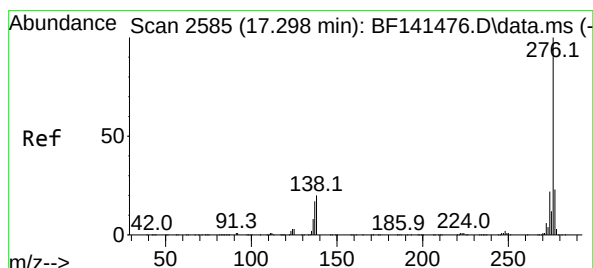
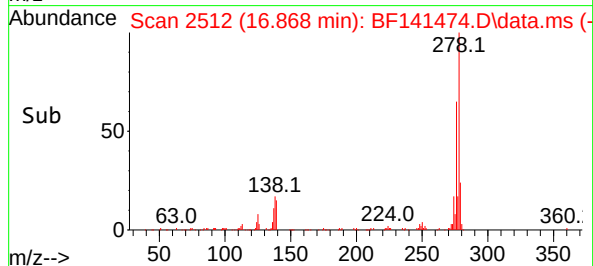
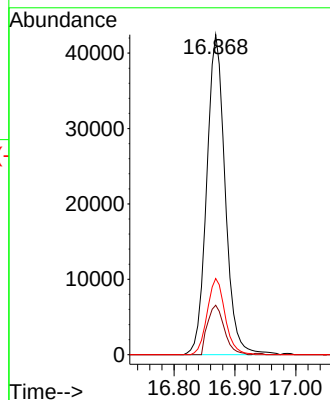
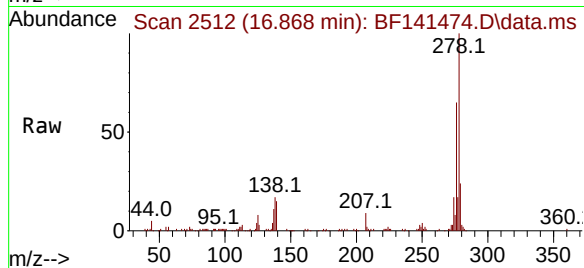
Tgt Ion:278 Resp: 89400

Ion Ratio Lower Upper

278 100

139 15.4 11.8 17.6

279 23.8 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 8.243 ng

RT: 17.286 min Scan# 2583

Delta R.T. -0.029 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

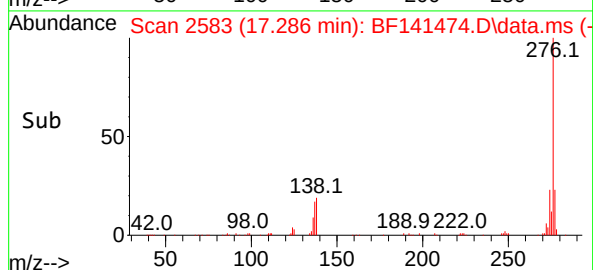
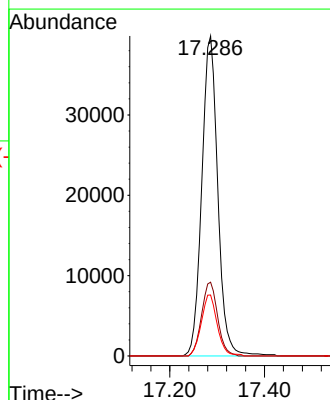
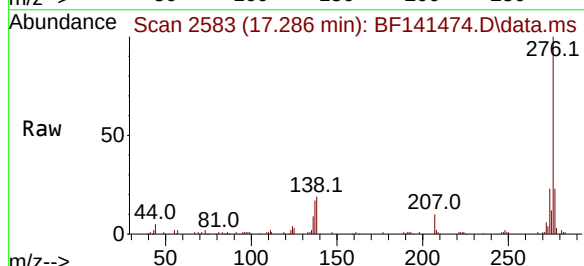
Tgt Ion:276 Resp: 93242

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 19.0 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141475.D
 Acq On : 06 Feb 2025 12:26
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Feb 06 16:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86149	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348017	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193091	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	333651	20.000	ng	0.00
76) Chrysene-d12	13.957	240	251741	20.000	ng	0.00
86) Perylene-d12	15.416	264	191435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	235106	42.785	ng	0.00
7) Phenol-d6	6.422	99	293602	42.273	ng	-0.02
23) Nitrobenzene-d5	7.351	82	275773	41.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80912	41.714	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	534841	42.674	ng	0.00
79) Terphenyl-d14	12.898	244	609819	40.894	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.481	88	45027	20.359	ng	98
3) Pyridine	3.211	79	112903	21.453	ng	96
4) n-Nitrosodimethylamine	3.152	42	70658	20.276	ng	98
6) Aniline	6.446	93	142156	21.820	ng	97
8) 2-Chlorophenol	6.575	128	124573	20.980	ng	98
9) Benzaldehyde	6.340	77	84531	22.903	ng	98
10) Phenol	6.440	94	156515	21.652	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	111675	20.568	ng	98
12) 1,3-Dichlorobenzene	6.728	146	133906	21.362	ng	99
13) 1,4-Dichlorobenzene	6.804	146	135357	21.134	ng	99
14) 1,2-Dichlorobenzene	6.957	146	126931	21.354	ng	99
15) Benzyl Alcohol	6.928	79	113901	21.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199281	21.441	ng	99
17) 2-Methylphenol	7.046	107	96607	20.792	ng	99
18) Hexachloroethane	7.298	117	50745	21.409	ng	99
19) n-Nitroso-di-n-propyla...	7.199	70	89512	21.546	ng	99
20) 3+4-Methylphenols	7.199	107	125707	21.287	ng	91
22) Acetophenone	7.199	105	181333	20.946	ng	100
24) Nitrobenzene	7.369	77	133285	20.485	ng	99
25) Isophorone	7.604	82	220291	20.706	ng	99
26) 2-Nitrophenol	7.687	139	66195	20.449	ng	98
27) 2,4-Dimethylphenol	7.728	122	76751	20.296	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	142151	20.852	ng	99
29) 2,4-Dichlorophenol	7.934	162	108456	21.227	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	115050	20.678	ng	100
31) Naphthalene	8.093	128	381547	21.062	ng	99
32) Benzoic acid	7.828	122	75462	19.212	ng	99
33) 4-Chloroaniline	8.146	127	132911	21.014	ng	98
34) Hexachlorobutadiene	8.210	225	69492	20.804	ng	98
35) Caprolactam	8.498	113	32746	21.050	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	119021	21.029	ng	99
37) 2-Methylnaphthalene	8.781	142	250365	21.238	ng	98
38) 1-Methylnaphthalene	8.881	142	240408	21.056	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	115936	20.753	ng	99
41) Hexachlorocyclopentadiene	8.934	237	34729	18.691	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	75161	20.817	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
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 Acq On : 06 Feb 2025 12:26
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 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

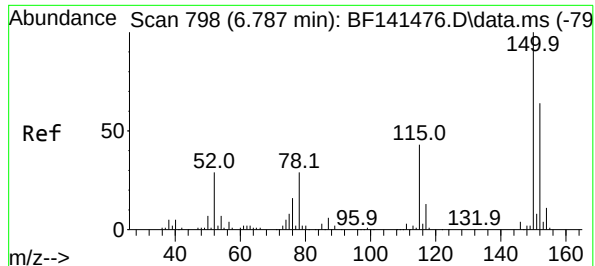
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
50) Dimethylphthalate	9.545	163	271920	20.744	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60700	21.182	ng	98
52) Acenaphthene	9.857	154	229442m	20.728	ng	
53) 3-Nitroaniline	9.781	138	64626	20.954	ng	96
54) 2,4-Dinitrophenol	9.887	184	32186	18.898	ng	98
55) Dibenzofuran	10.028	168	342620	21.087	ng	100
56) 4-Nitrophenol	9.951	139	47721	20.843	ng	96
57) 2,4-Dinitrotoluene	10.016	165	79865	20.936	ng	95
58) Fluorene	10.375	166	265810	21.159	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	69328	20.579	ng	100
60) Diethylphthalate	10.245	149	270018	20.936	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	127216	21.049	ng	97
62) 4-Nitroaniline	10.387	138	64262	20.519	ng	98
63) Azobenzene	10.528	77	267372	20.853	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46877	20.226	ng	99
66) n-Nitrosodiphenylamine	10.487	169	224776	21.045	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	78167	20.962	ng	97
68) Hexachlorobenzene	10.922	284	80301	20.913	ng	97
69) Atrazine	11.010	200	71359	22.271	ng	97
70) Pentachlorophenol	11.122	266	50539	20.584	ng	98
71) Phenanthrene	11.339	178	387256	21.085	ng	99
72) Anthracene	11.386	178	386414	20.930	ng	100
73) Carbazole	11.545	167	358987	21.610	ng	99
74) Di-n-butylphthalate	11.875	149	408041	21.273	ng	100
75) Fluoranthene	12.528	202	414712	21.298	ng	99
77) Benzidine	12.651	184	84013	15.132	ng	98
78) Pyrene	12.757	202	432216	20.169	ng	99
80) Butylbenzylphthalate	13.375	149	152184	20.502	ng	99
81) Benzo(a)anthracene	13.945	228	339877	20.310	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	102367	21.355	ng	98
83) Chrysene	13.980	228	330823	21.411	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	172352	20.588	ng	99
85) Di-n-octyl phthalate	14.563	149	229060	19.180	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	227105	19.200	ng	99
88) Benzo(b)fluoranthene	14.998	252	267695	20.826	ng	100
89) Benzo(k)fluoranthene	15.022	252	238695	21.747	ng	97
90) Benzo(a)pyrene	15.357	252	213510	20.528	ng	100
91) Dibenzo(a,h)anthracene	16.868	278	185740	19.379	ng	98
92) Benzo(g,h,i)perylene	17.286	276	191595	19.103	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

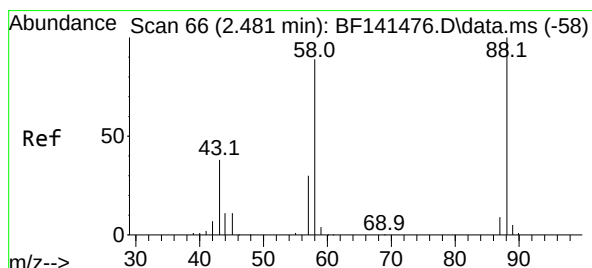
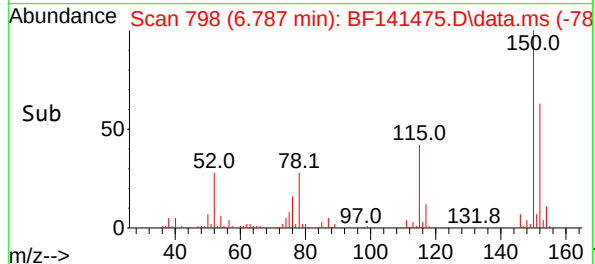
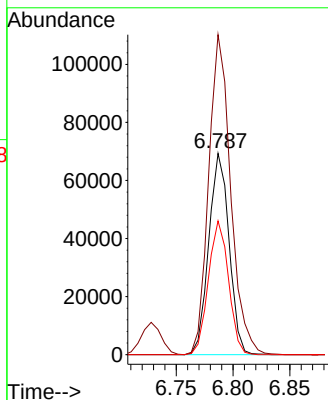
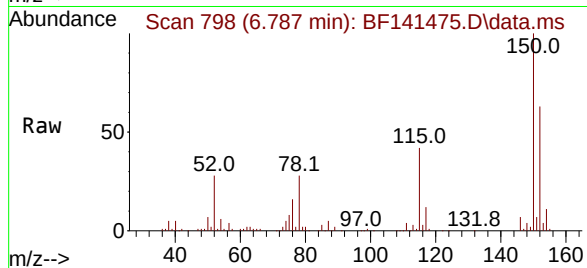
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- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

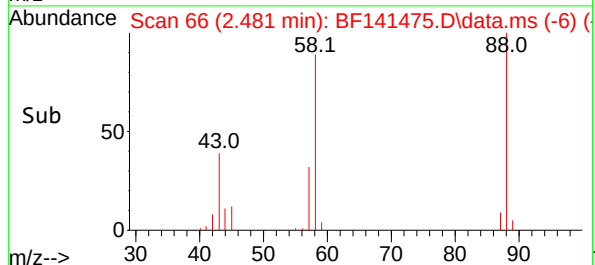
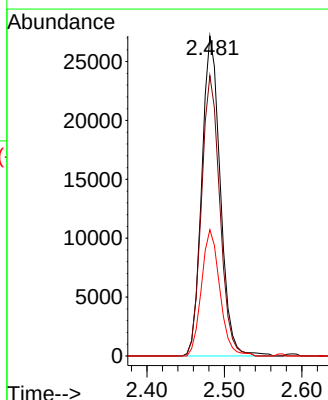
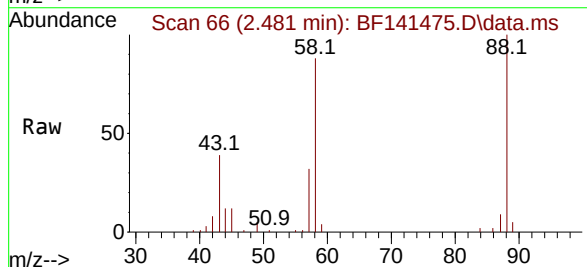
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

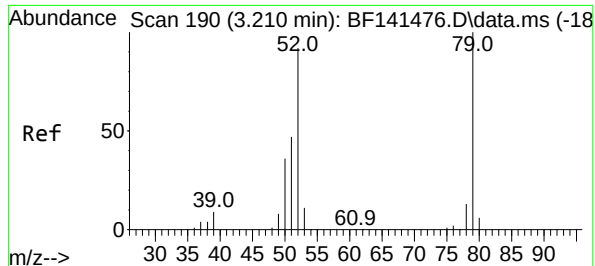
Tgt Ion:152 Resp: 86149
Ion Ratio Lower Upper
152 100
150 159.0 125.0 187.4
115 66.4 53.6 80.4



#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 88 Resp: 45027
Ion Ratio Lower Upper
88 100
58 87.1 71.1 106.7
43 39.2 30.6 46.0





#3

Pyridine

Concen: 21.453 ng

RT: 3.211 min Scan# 190

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

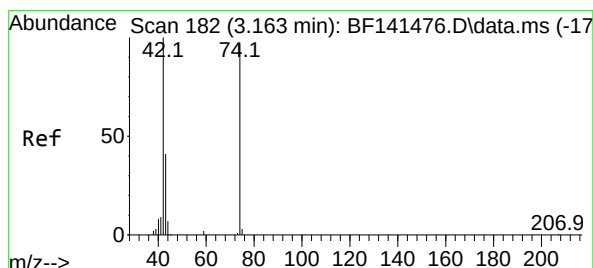
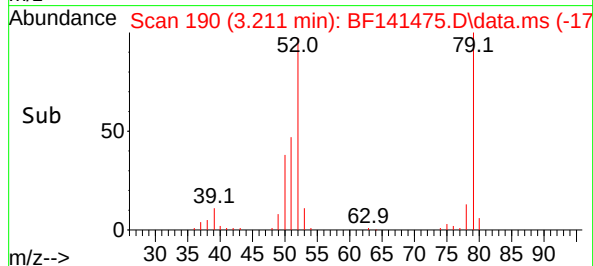
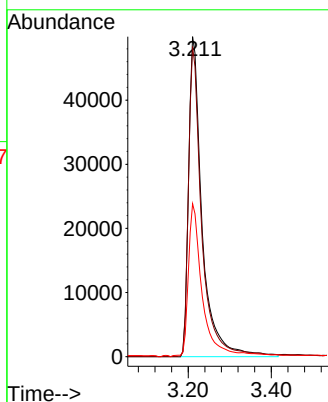
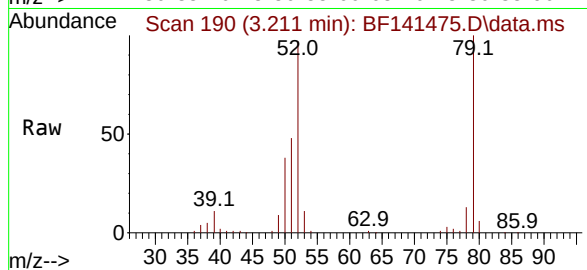
Tgt Ion: 79 Resp: 112903

Ion Ratio Lower Upper

79 100

52 96.9 73.7 110.5

51 47.8 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 20.276 ng

RT: 3.152 min Scan# 180

Delta R.T. -0.035 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

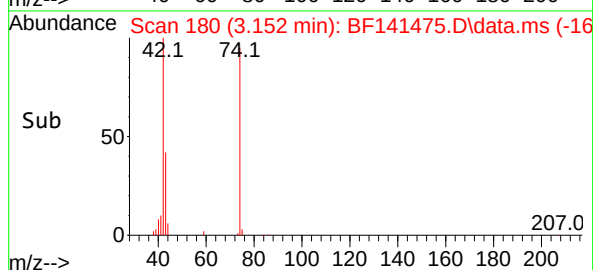
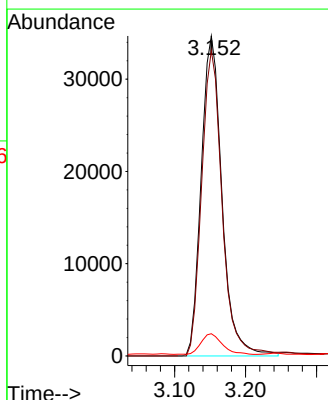
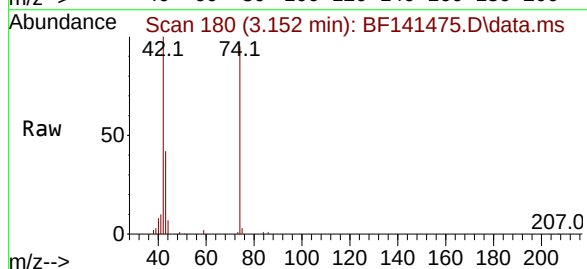
Tgt Ion: 42 Resp: 70658

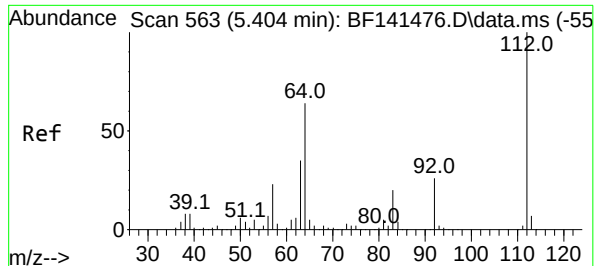
Ion Ratio Lower Upper

42 100

74 95.4 78.0 117.0

44 7.0 5.4 8.2

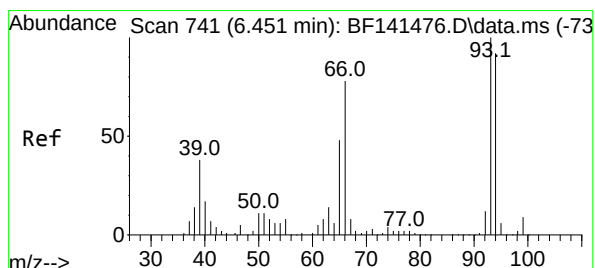
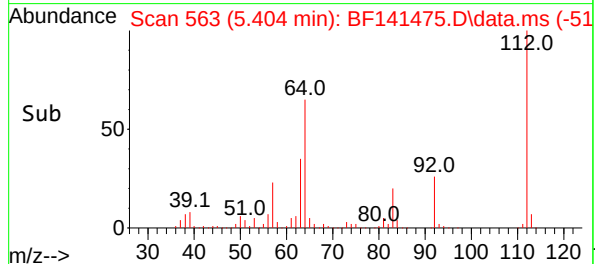
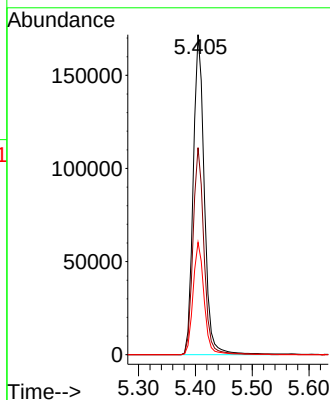
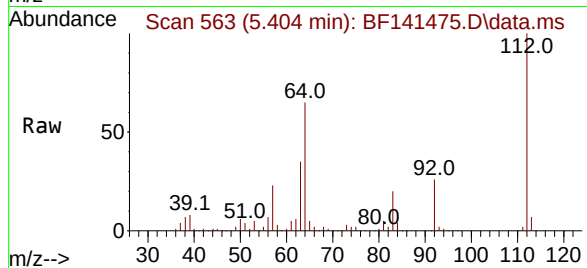




#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

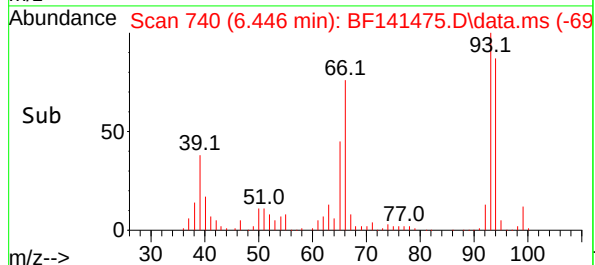
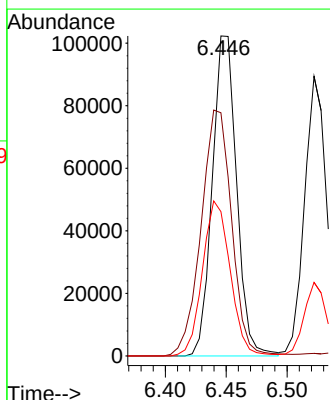
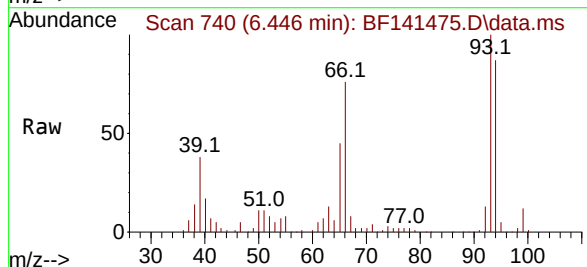
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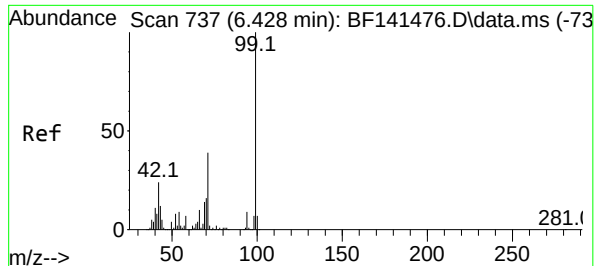
Tgt Ion:112 Resp: 235106
Ion Ratio Lower Upper
112 100
64 64.7 51.1 76.7
63 35.1 28.4 42.6



#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142156
Ion Ratio Lower Upper
93 100
66 76.0 62.6 94.0
65 45.1 38.3 57.5

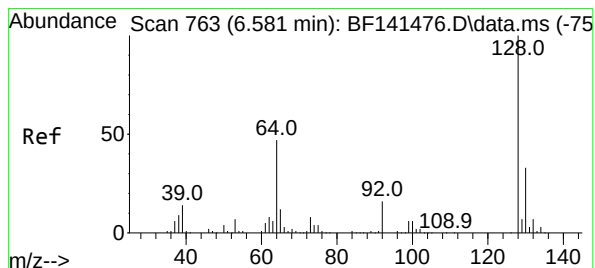
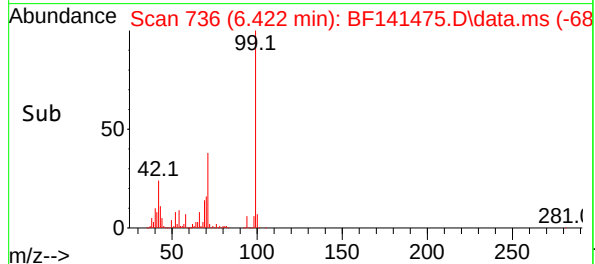
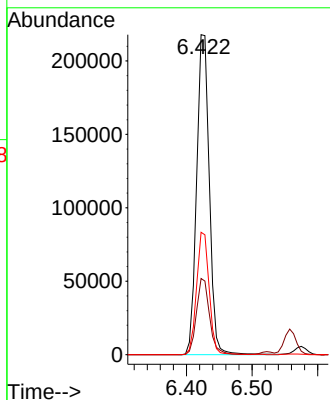
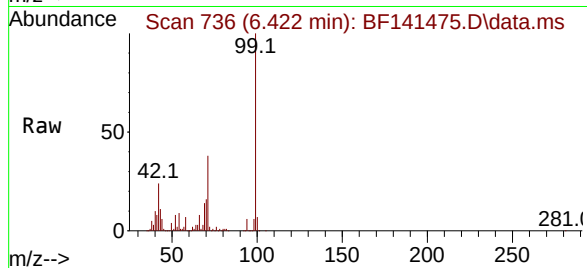




#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

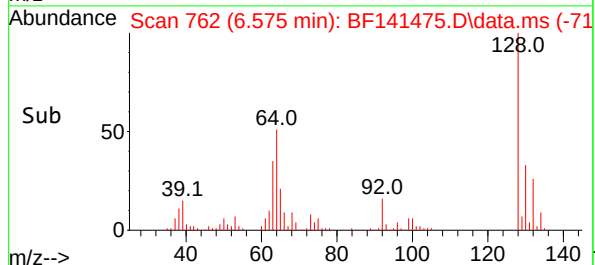
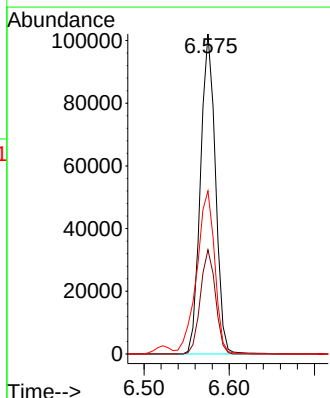
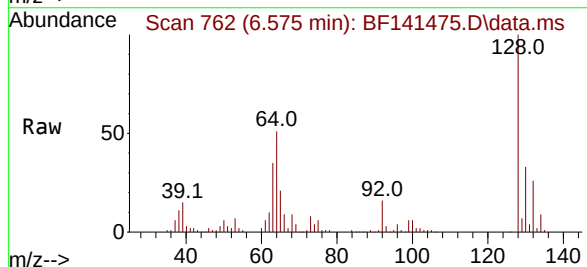
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BNA_F
ClientSampleId :
SSTDICC020

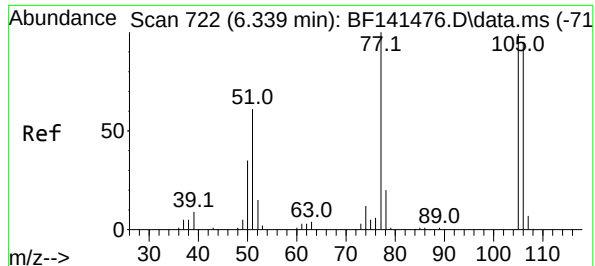
Tgt Ion: 99 Resp: 293602
Ion Ratio Lower Upper
99 100
42 23.8 19.1 28.7
71 38.2 31.1 46.7



#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 128 Resp: 124573
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 50.9 28.3 68.3

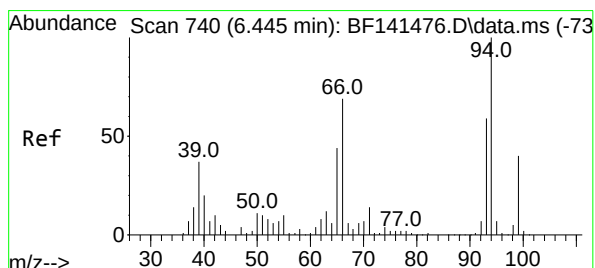
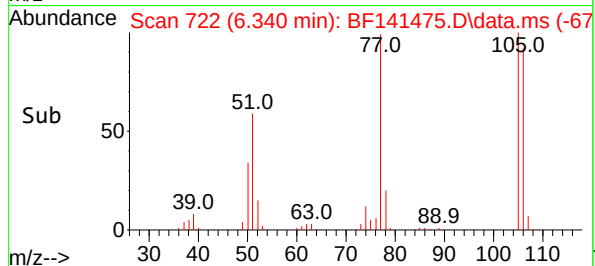
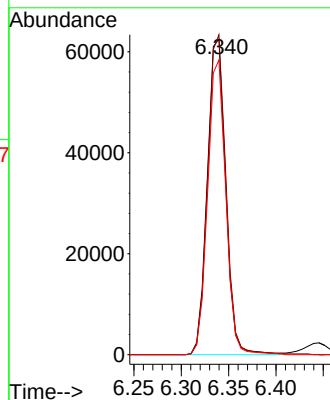
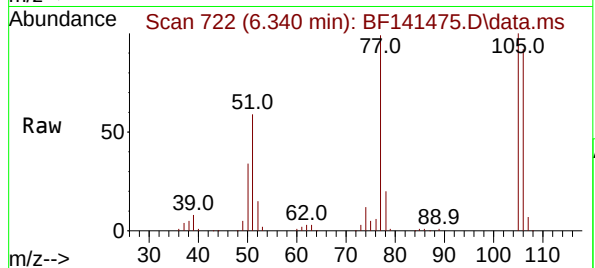




#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

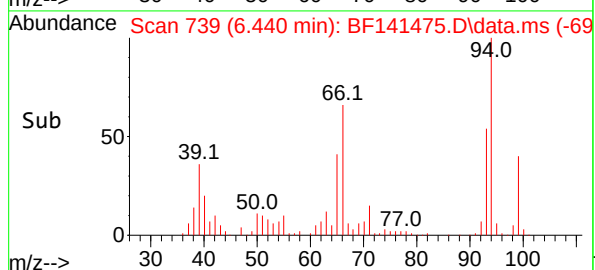
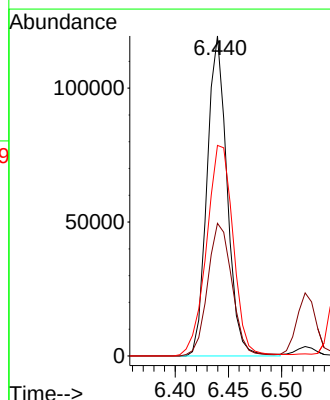
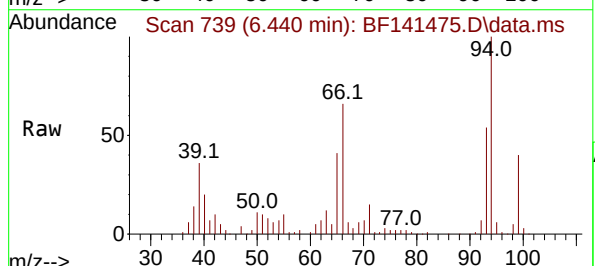
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

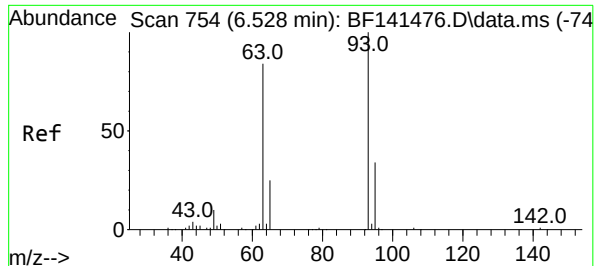
Tgt Ion: 77 Resp: 84531
Ion Ratio Lower Upper
77 100
105 101.4 79.4 119.4
106 93.4 75.1 115.1



#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 94 Resp: 156515
Ion Ratio Lower Upper
94 100
65 41.5 23.7 63.7
66 65.8 49.3 89.3

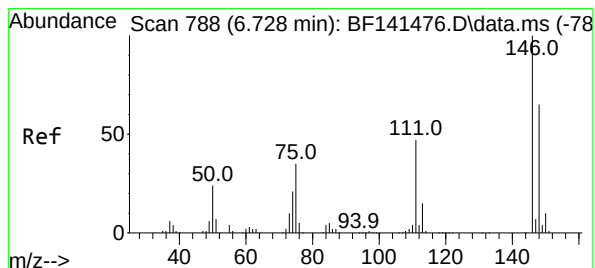
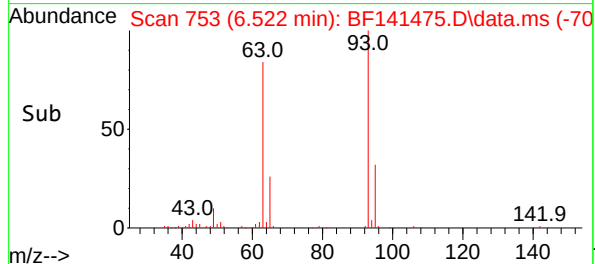
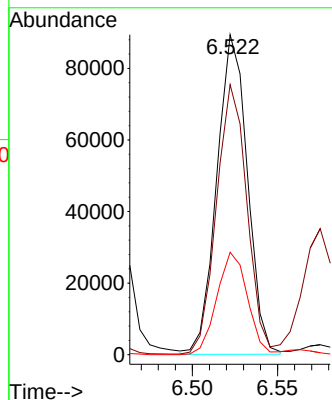
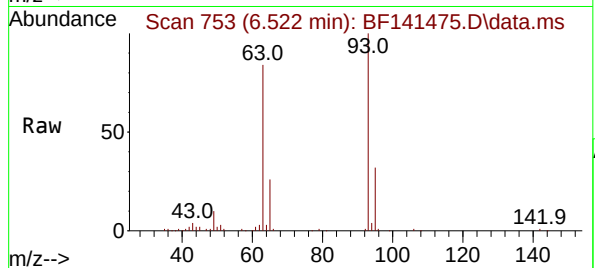




#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

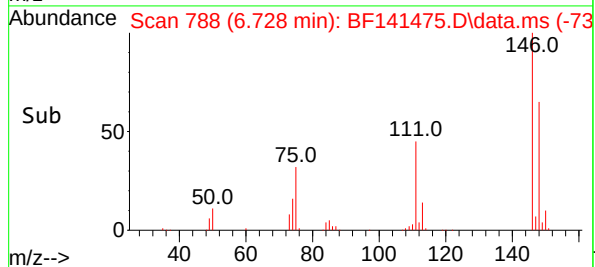
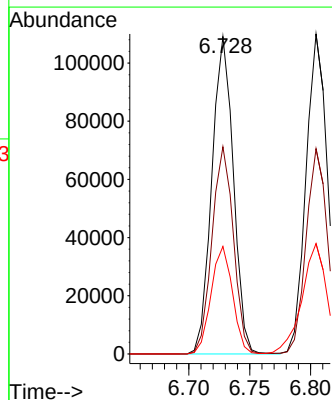
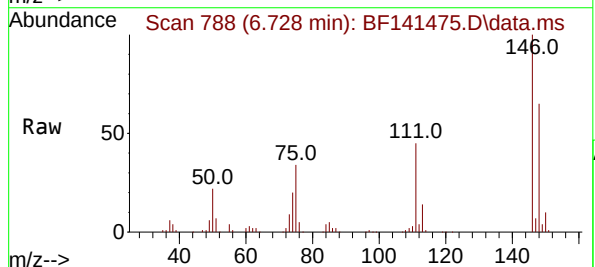
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

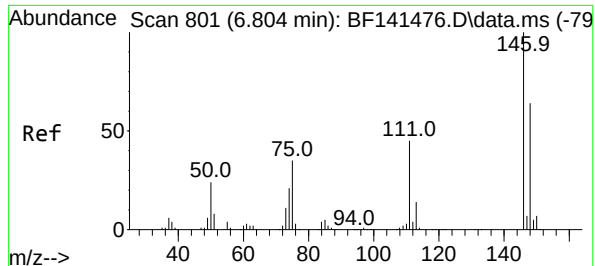
Tgt Ion: 93 Resp: 111675
Ion Ratio Lower Upper
93 100
63 84.4 62.0 102.0
95 32.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 146 Resp: 133906
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
75 33.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 21.134 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

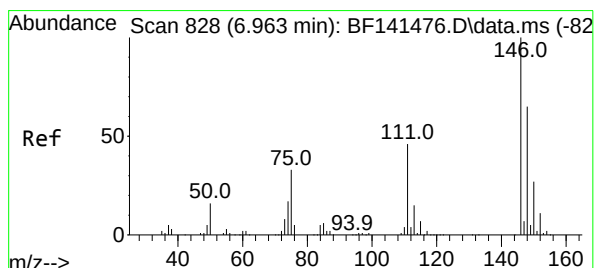
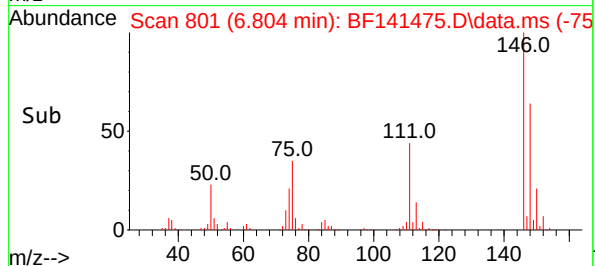
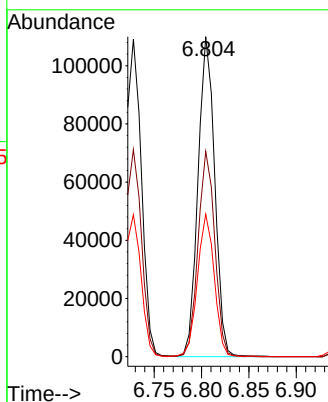
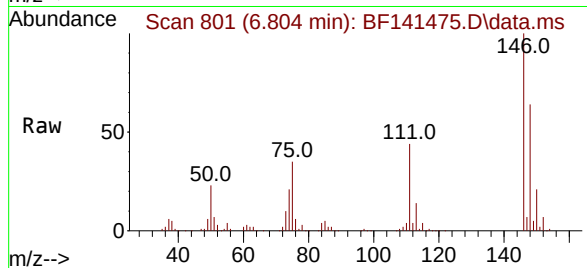
Tgt Ion:146 Resp: 135357

Ion Ratio Lower Upper

146 100

148 64.2 50.9 76.3

111 44.5 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 21.354 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

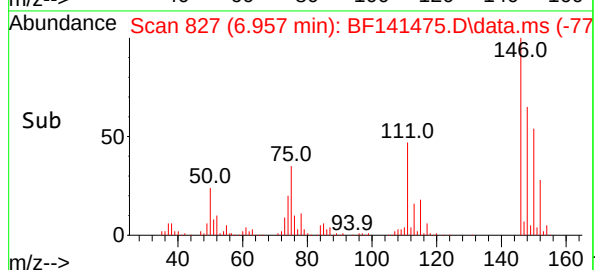
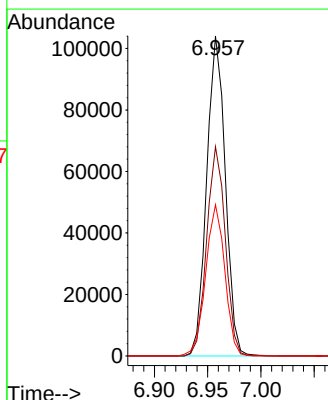
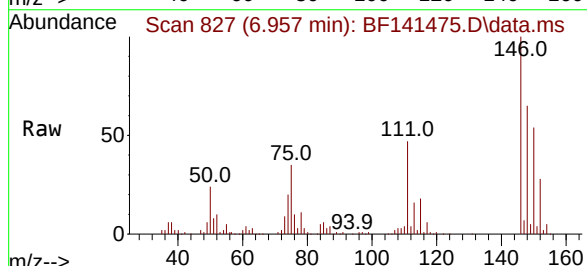
Tgt Ion:146 Resp: 126931

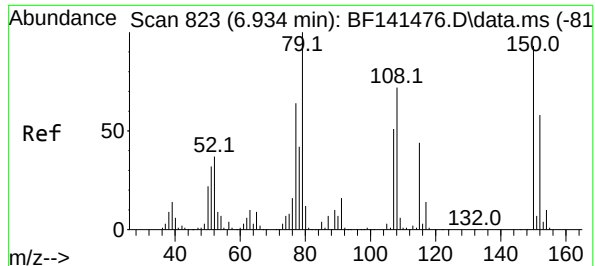
Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.6

111 47.3 37.0 55.4

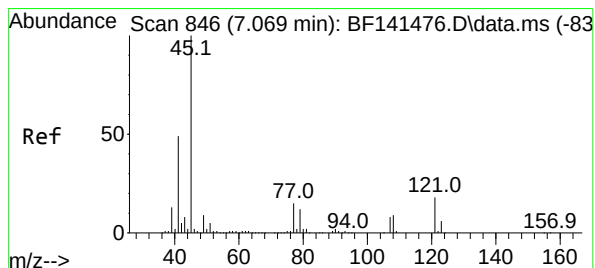
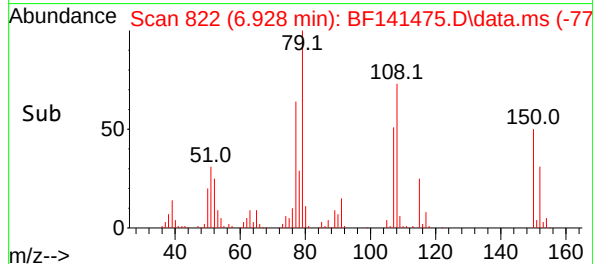
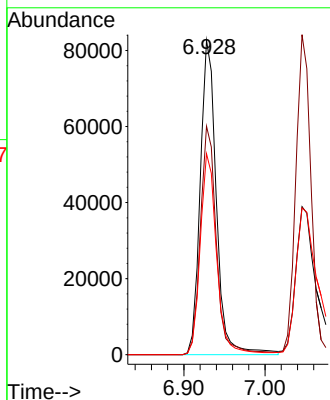
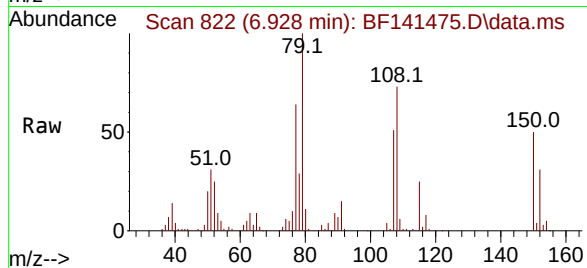




#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

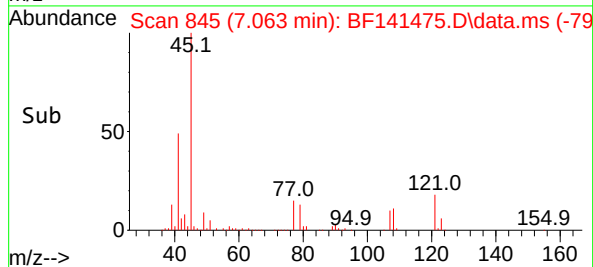
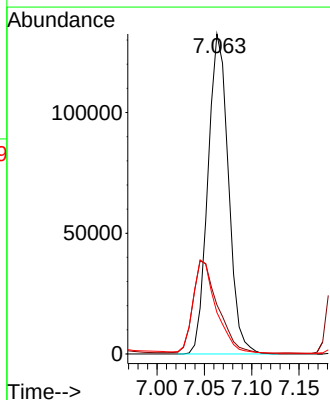
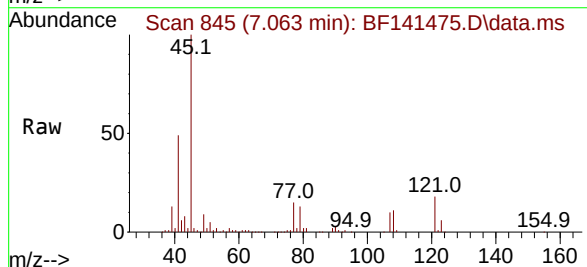
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

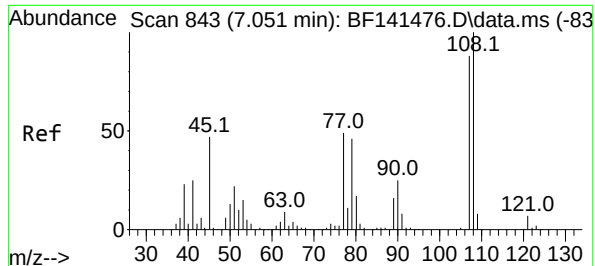
Tgt Ion: 79 Resp: 113901
Ion Ratio Lower Upper
79 100
108 72.6 57.4 86.2
77 63.9 50.9 76.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 45 Resp: 199281
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.8
79 12.9 0.0 32.7

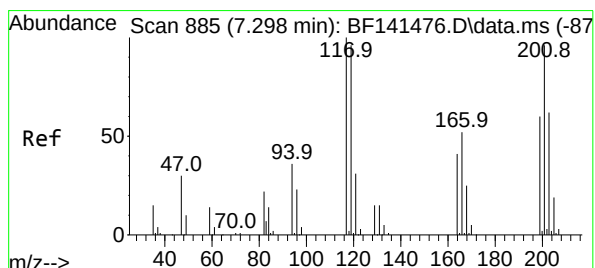
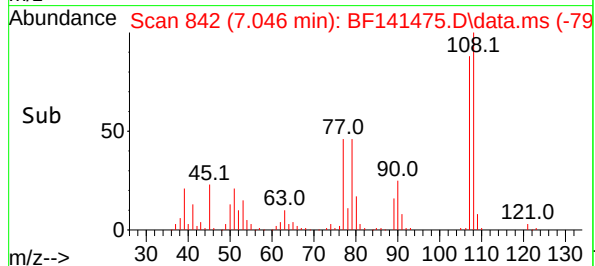
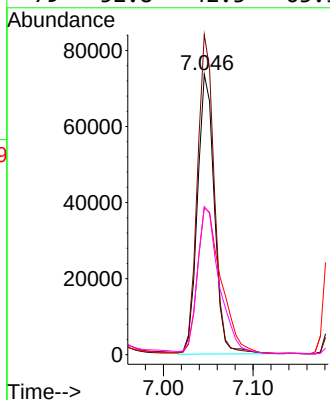
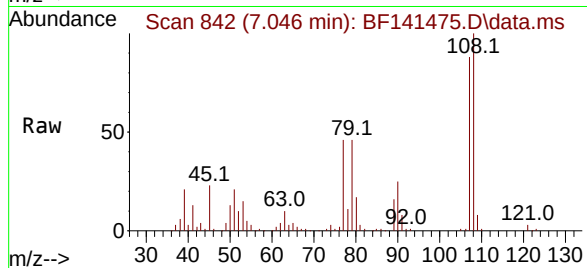




#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

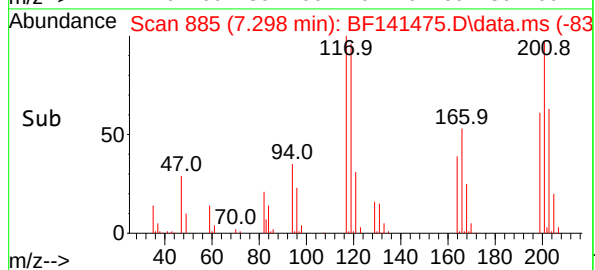
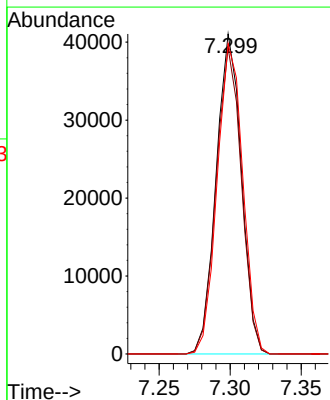
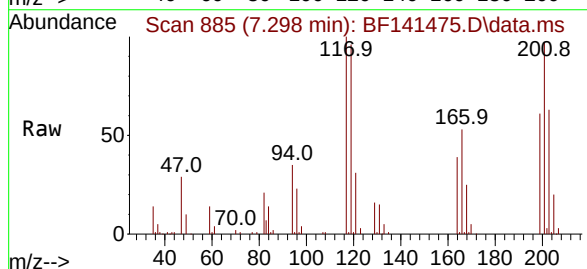
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

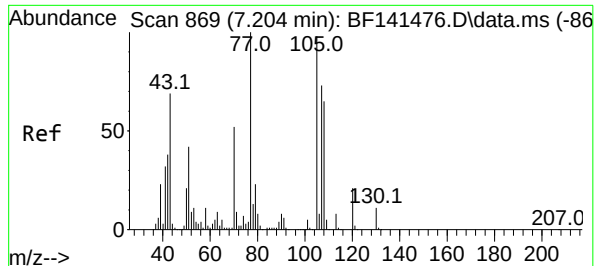
Tgt Ion:	107	Resp:	96607
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	52.4	44.4	66.6
79	52.8	42.3	63.5



#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:	117	Resp:	50745
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	97.0	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 21.546 ng

RT: 7.199 min Scan# 868

Delta R.T. -0.017 min

Lab File: BF141475.D

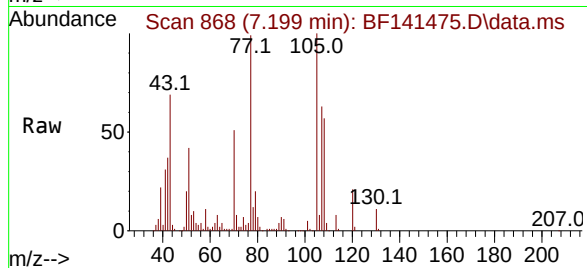
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

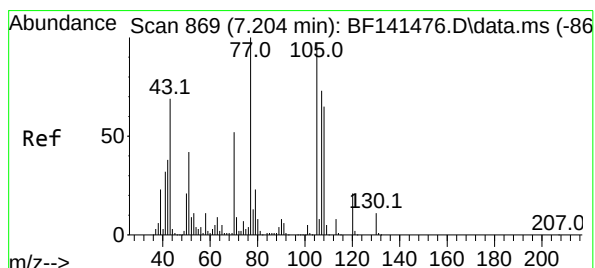
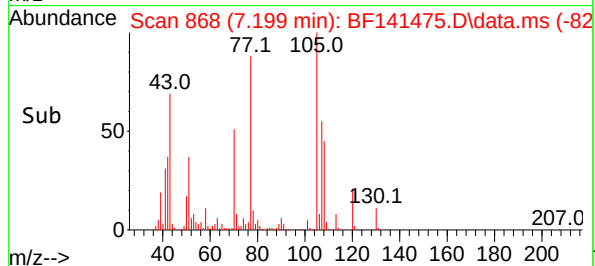
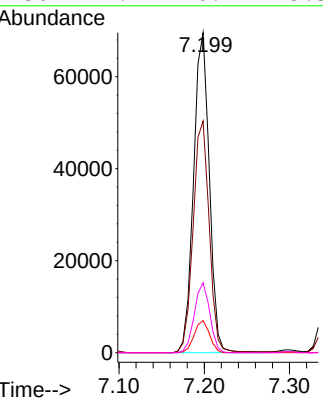
ClientSampleId :

SSTDICC020



Tgt Ion: 70 Resp: 89512

Ion	Ratio	Lower	Upper
70	100		
42	72.4	57.4	86.2
101	10.0	8.0	12.0
130	21.9	16.9	25.3



#20

3+4-Methylphenols

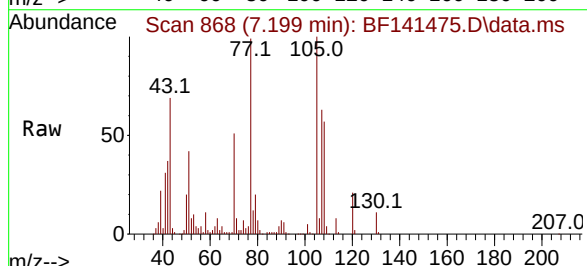
Concen: 21.287 ng

RT: 7.199 min Scan# 868

Delta R.T. -0.017 min

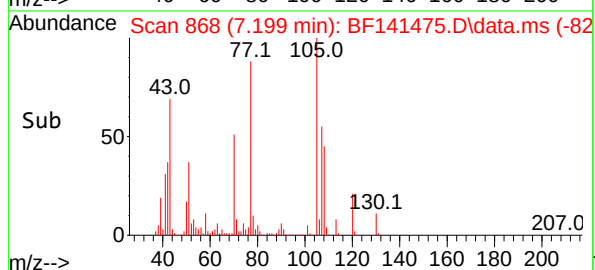
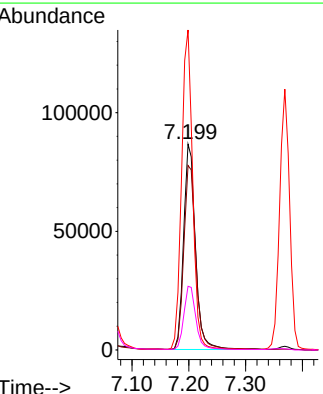
Lab File: BF141475.D

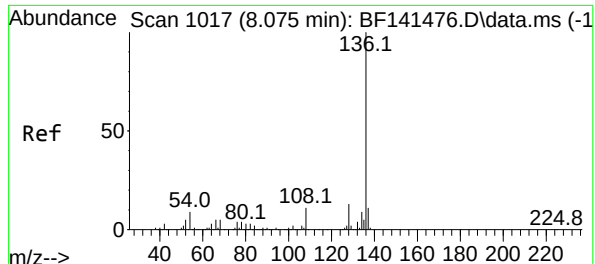
Acq: 06 Feb 2025 12:26



Tgt Ion: 107 Resp: 125707

Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.5	108.5
77	155.6	116.5	156.5
79	31.0	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 348017

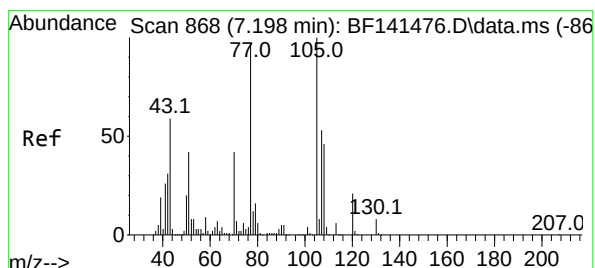
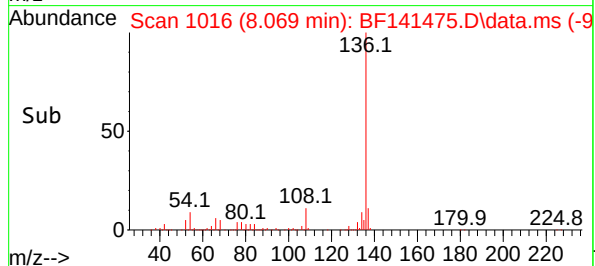
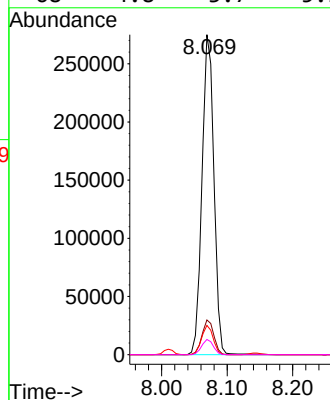
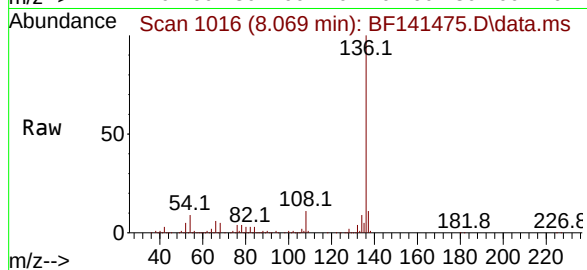
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.2 7.2 10.8

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 20.946 ng

RT: 7.199 min Scan# 868

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:105 Resp: 181333

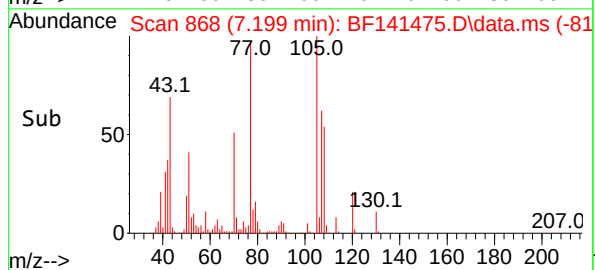
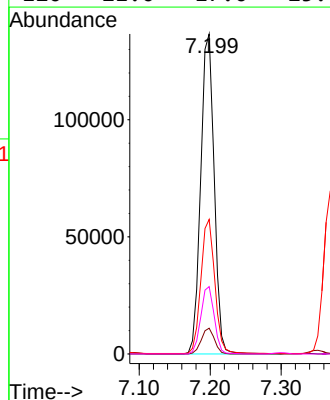
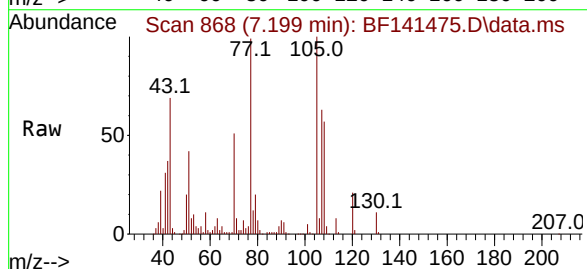
Ion Ratio Lower Upper

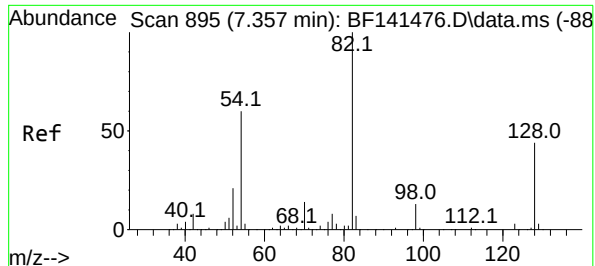
105 100

71 8.0 5.7 8.5

51 42.0 33.7 50.5

120 21.0 17.0 25.6





#23

Nitrobenzene-d5

Concen: 41.331 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

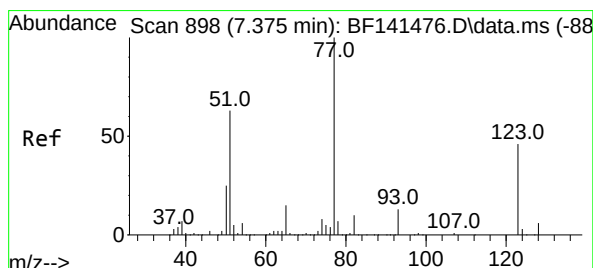
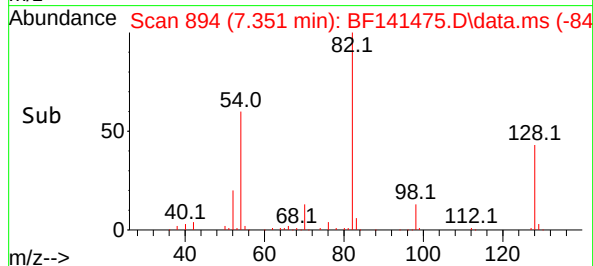
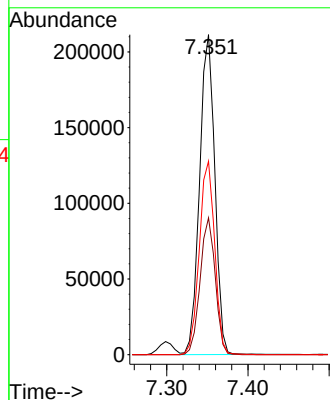
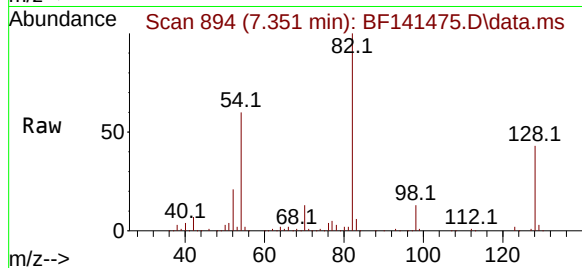
Tgt Ion: 82 Resp: 275773

Ion Ratio Lower Upper

82 100

128 42.7 34.8 52.2

54 60.5 48.2 72.4



#24

Nitrobenzene

Concen: 20.485 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

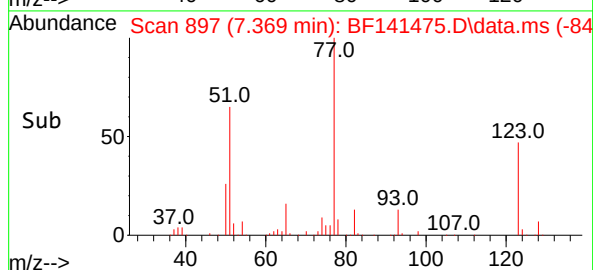
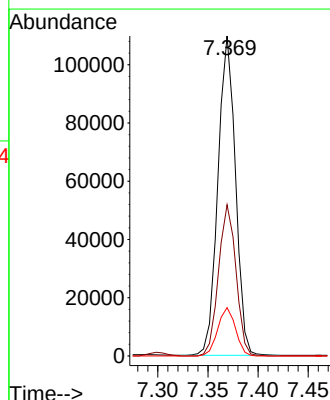
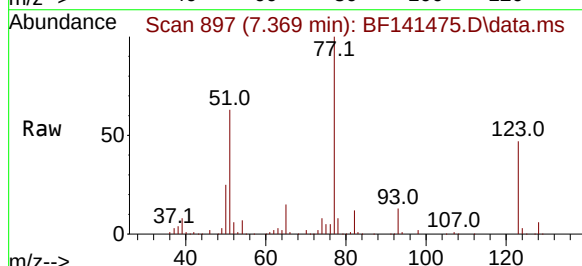
Tgt Ion: 77 Resp: 133285

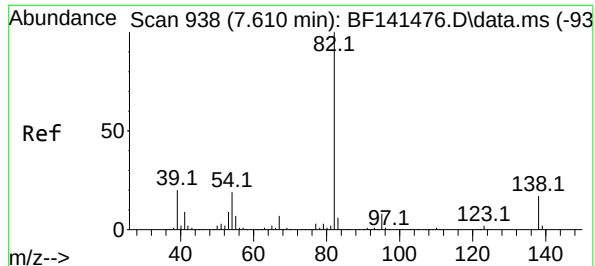
Ion Ratio Lower Upper

77 100

123 47.3 36.9 55.3

65 15.1 11.9 17.9





#25

Isophorone

Concen: 20.706 ng

RT: 7.604 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

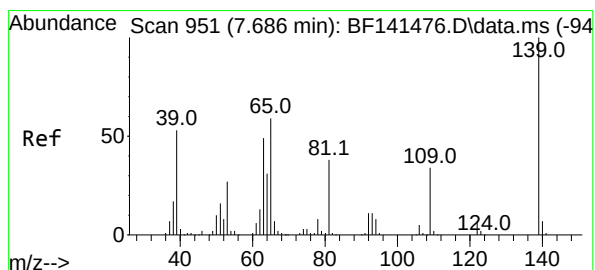
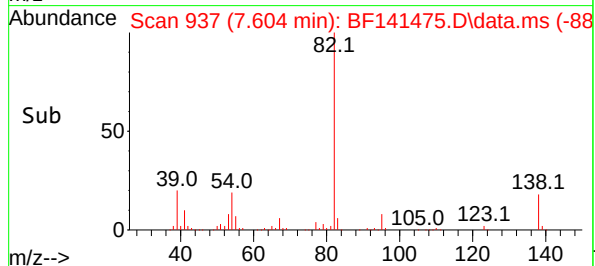
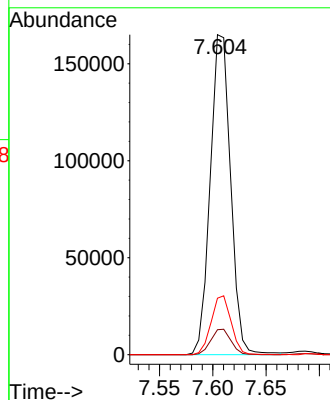
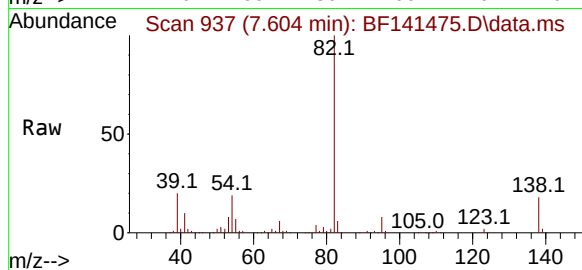
Tgt Ion: 82 Resp: 220291

Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

138 17.6 13.9 20.9



#26

2-Nitrophenol

Concen: 20.449 ng

RT: 7.687 min Scan# 951

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

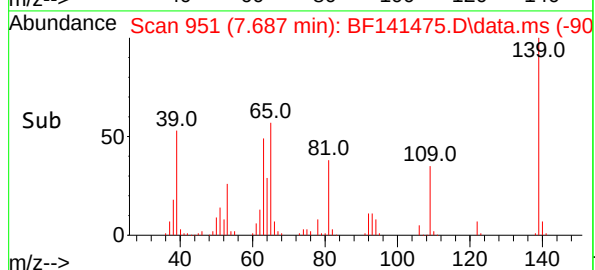
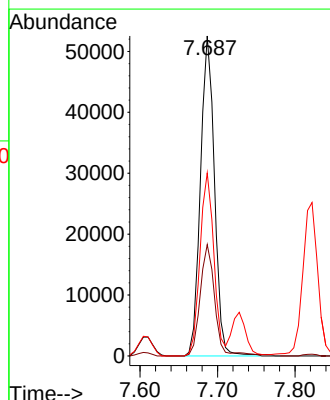
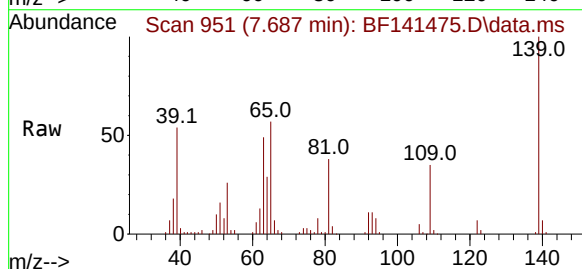
Tgt Ion: 139 Resp: 66195

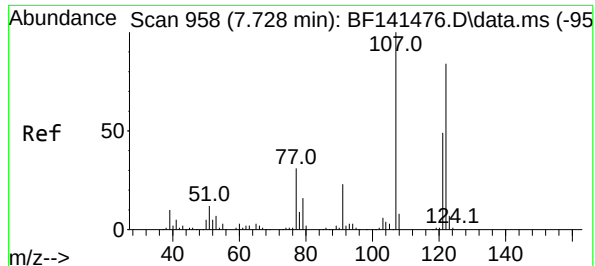
Ion Ratio Lower Upper

139 100

109 34.8 27.0 40.6

65 57.2 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 20.296 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

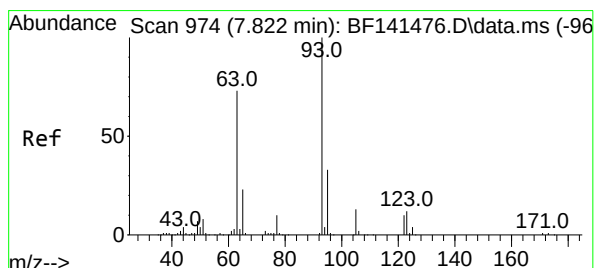
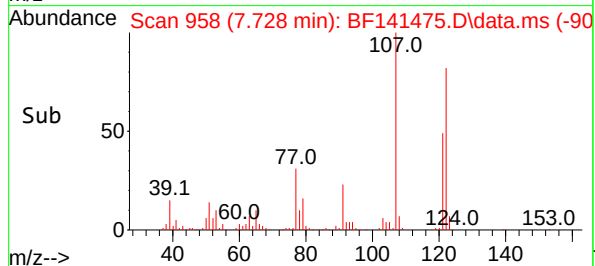
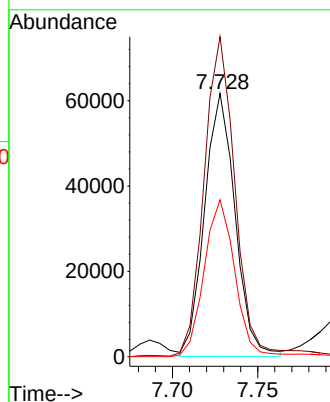
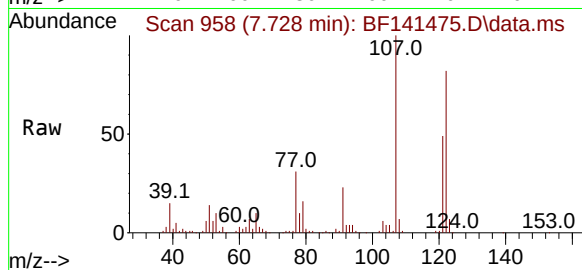
Tgt Ion:122 Resp: 76751

Ion Ratio Lower Upper

122 100

107 121.6 94.3 141.5

121 59.6 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 20.852 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

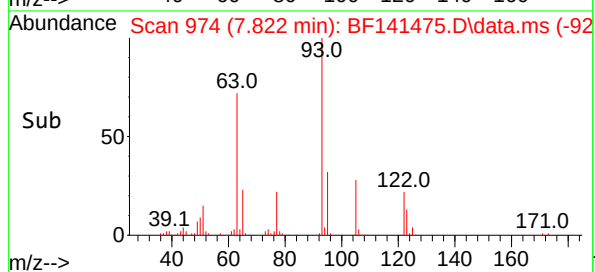
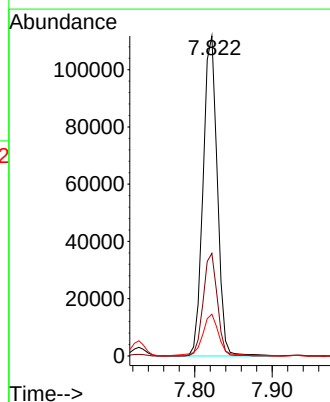
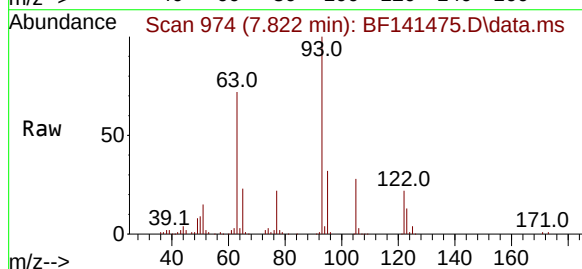
Tgt Ion: 93 Resp: 142151

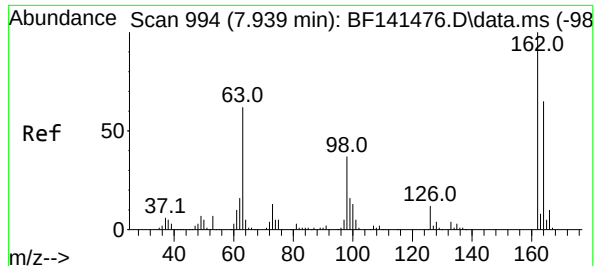
Ion Ratio Lower Upper

93 100

95 32.1 26.1 39.1

123 13.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 21.227 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

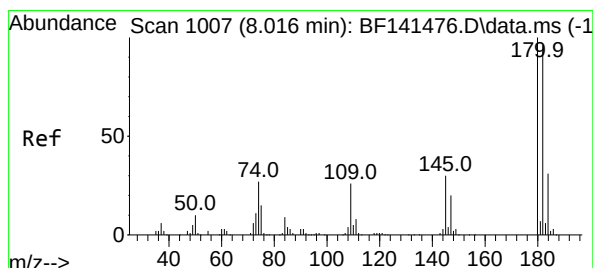
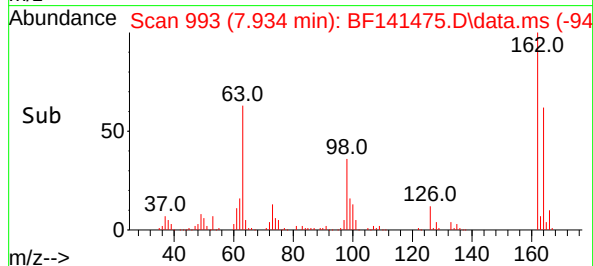
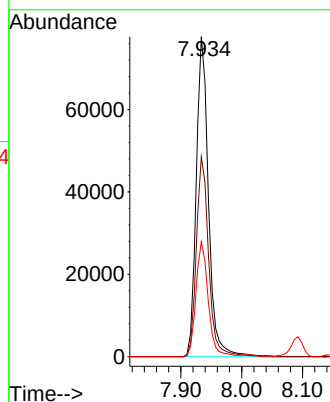
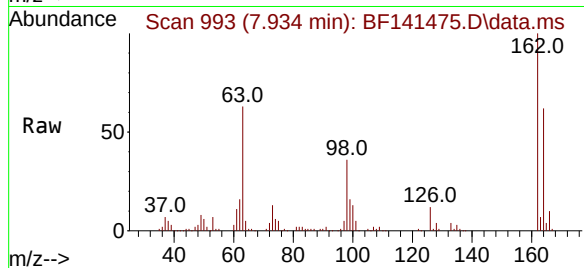
Tgt Ion:162 Resp: 108456

Ion Ratio Lower Upper

162 100

164 62.4 44.6 84.6

98 36.0 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 20.678 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

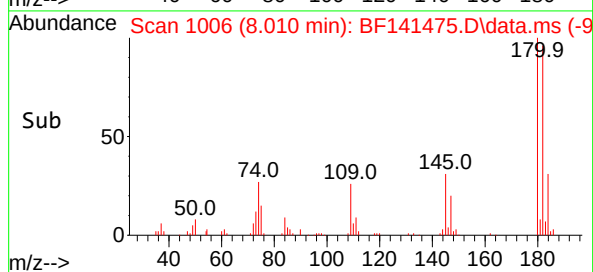
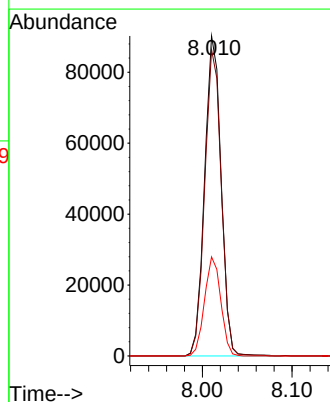
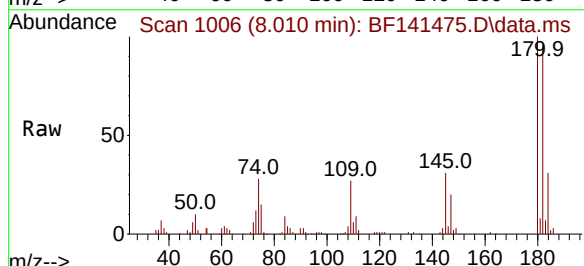
Tgt Ion:180 Resp: 115050

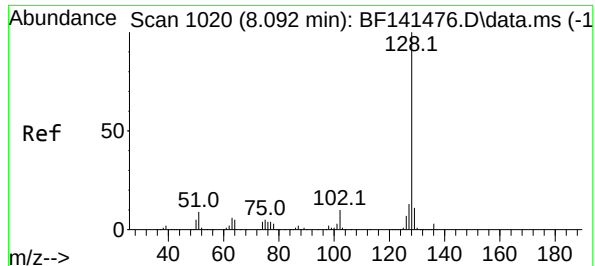
Ion Ratio Lower Upper

180 100

182 95.7 76.8 115.2

145 31.0 24.2 36.4





#31

Naphthalene

Concen: 21.062 ng

RT: 8.093 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

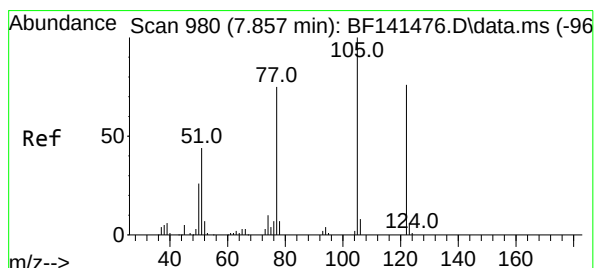
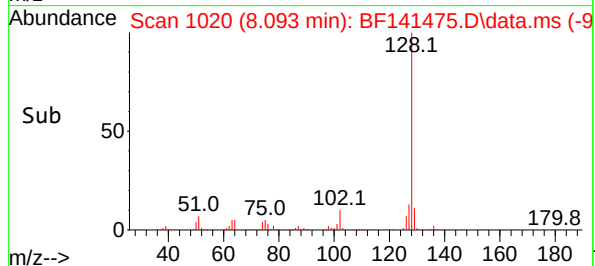
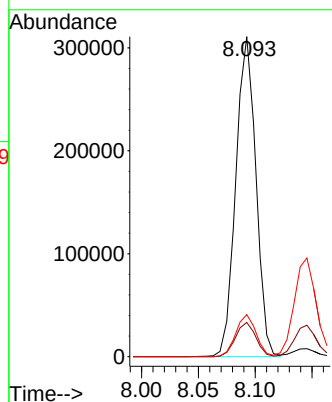
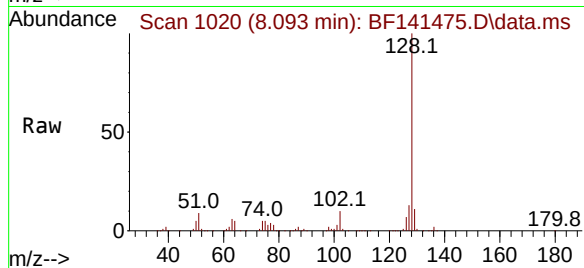
Tgt Ion:128 Resp: 381547

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.2 10.7 16.1



#32

Benzoic acid

Concen: 19.212 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.064 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

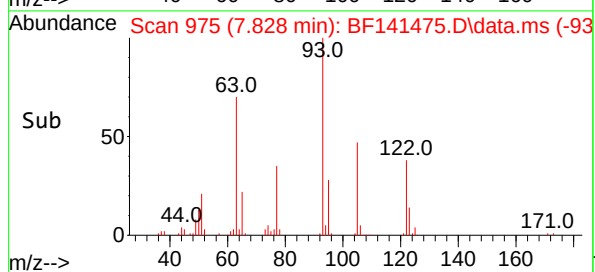
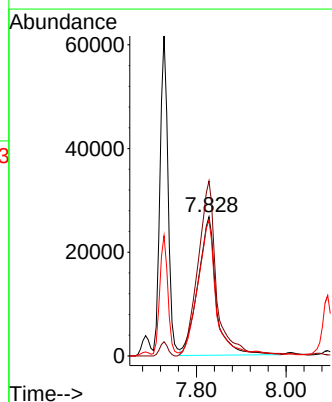
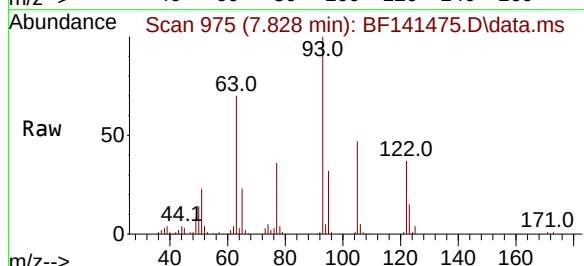
Tgt Ion:122 Resp: 75462

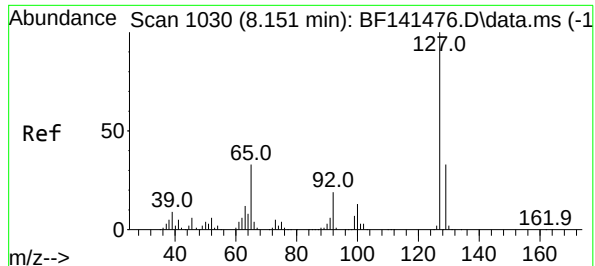
Ion Ratio Lower Upper

122 100

105 125.8 106.5 146.5

77 97.6 76.3 116.3





#33

4-Chloroaniline

Concen: 21.014 ng

RT: 8.146 min Scan# 1029

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

Tgt Ion:127 Resp: 132911

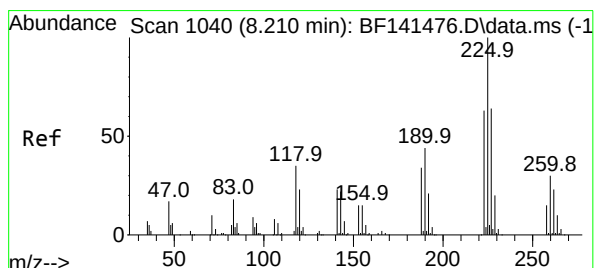
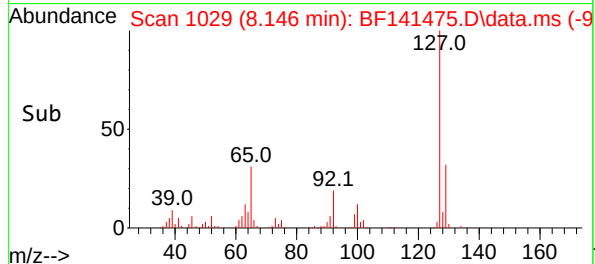
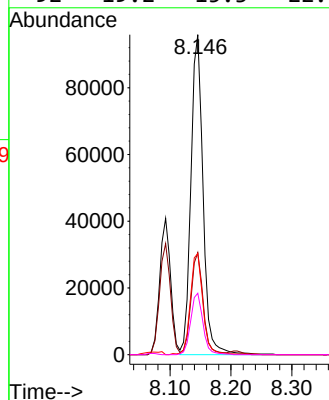
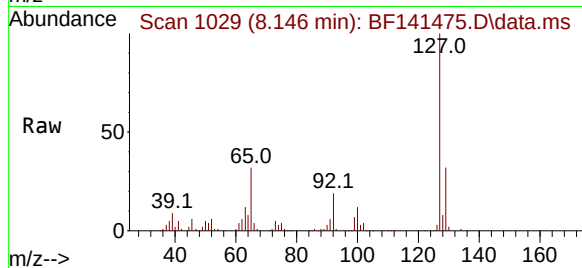
Ion Ratio Lower Upper

127 100

129 31.9 26.5 39.7

65 31.6 26.4 39.6

92 19.2 15.3 22.9



#34

Hexachlorobutadiene

Concen: 20.804 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

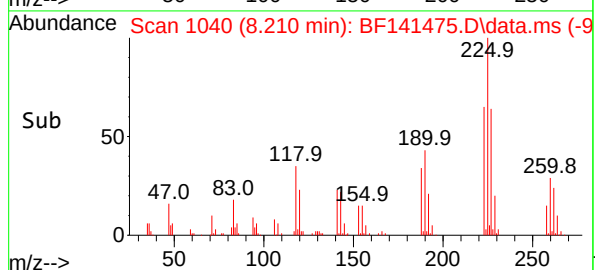
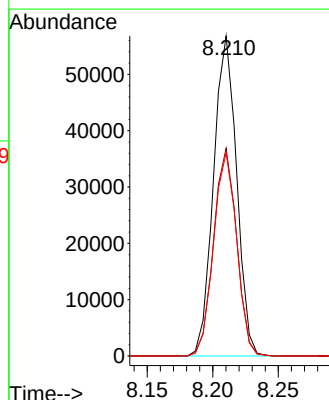
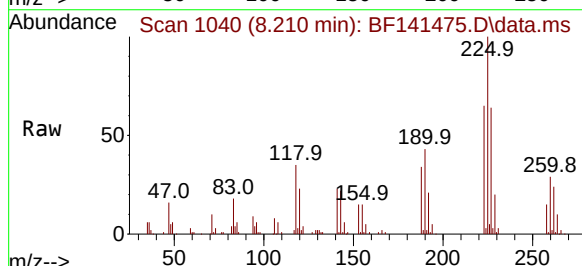
Tgt Ion:225 Resp: 69492

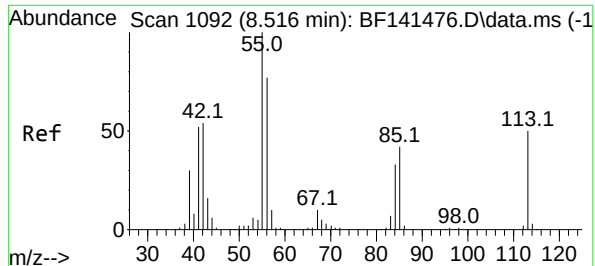
Ion Ratio Lower Upper

225 100

223 64.9 50.1 75.1

227 63.5 51.0 76.6





#35

Caprolactam

Concen: 21.050 ng

RT: 8.498 min Scan# 1108

Delta R.T. -0.047 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

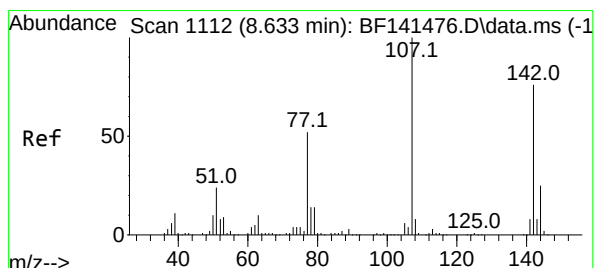
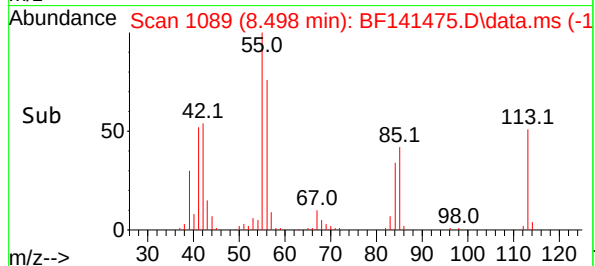
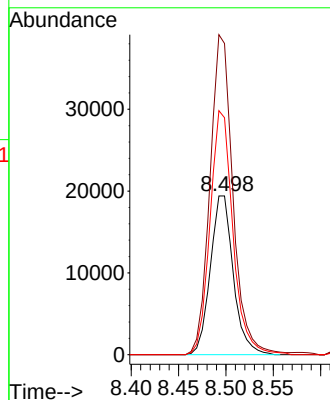
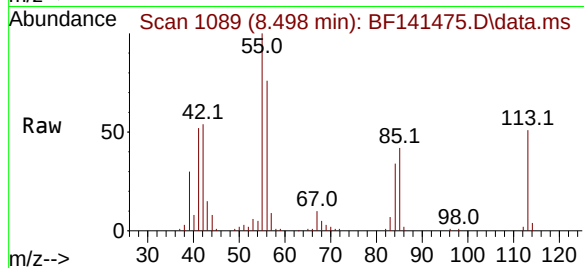
Tgt Ion:113 Resp: 32746

Ion Ratio Lower Upper

113 100

55 196.0 180.8 220.8

56 149.2 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 21.029 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

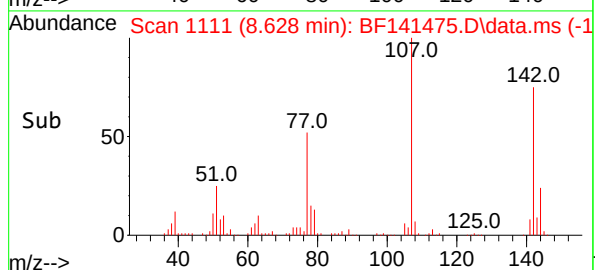
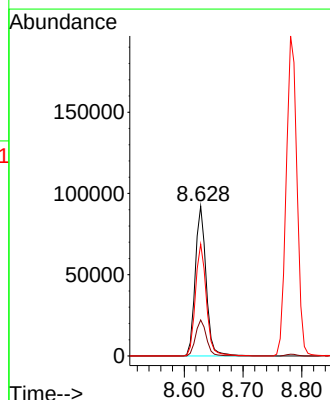
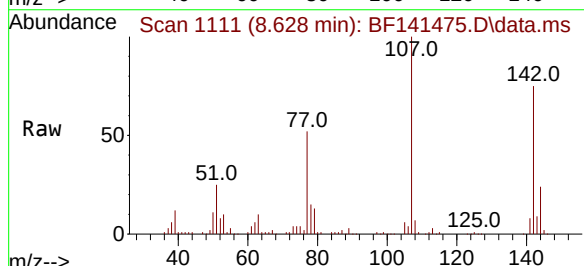
Tgt Ion:107 Resp: 119021

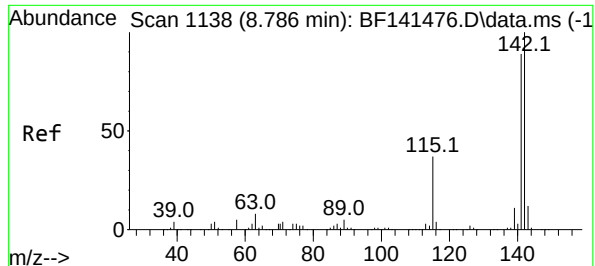
Ion Ratio Lower Upper

107 100

144 24.1 19.7 29.5

142 74.7 60.8 91.2





#37

2-Methylnaphthalene

Concen: 21.238 ng

RT: 8.781 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

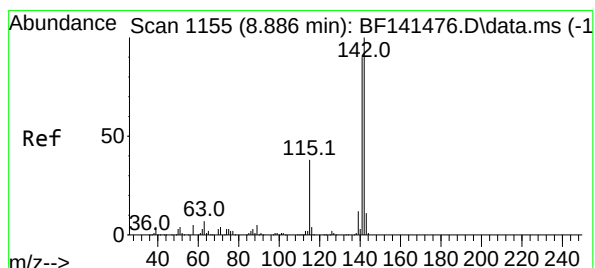
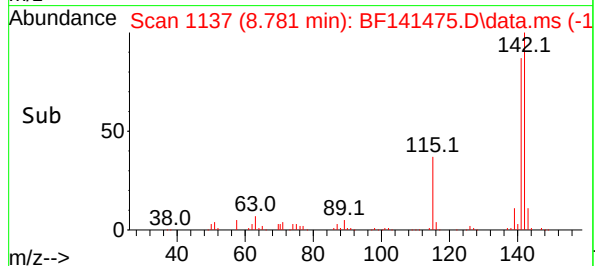
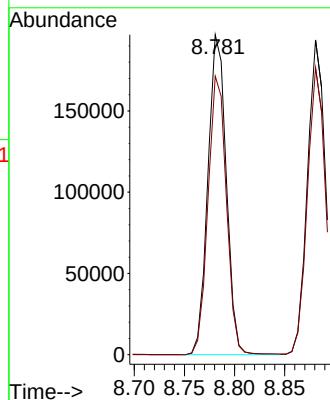
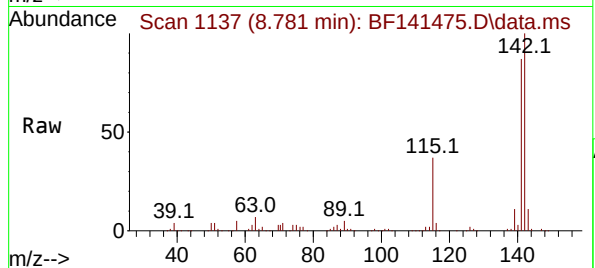
SSTDICC020

Tgt Ion:142 Resp: 250365

Ion Ratio Lower Upper

142 100

141 87.0 71.2 106.8



#38

1-Methylnaphthalene

Concen: 21.056 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141475.D

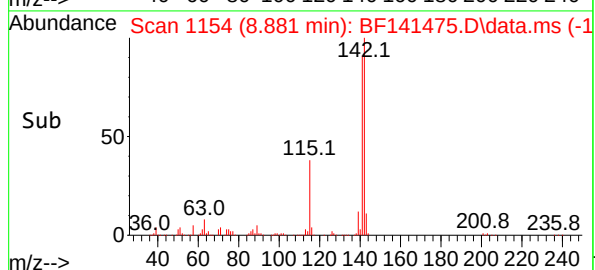
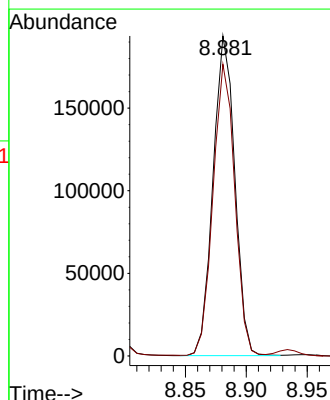
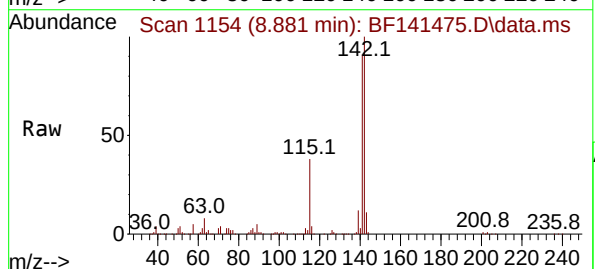
Acq: 06 Feb 2025 12:26

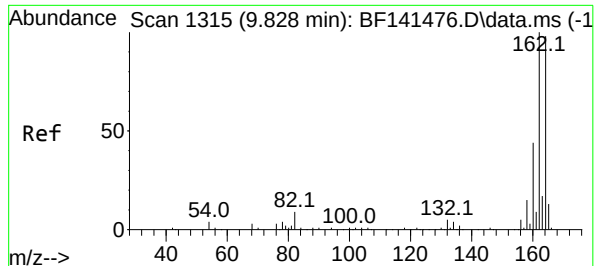
Tgt Ion:142 Resp: 240408

Ion Ratio Lower Upper

142 100

141 91.1 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

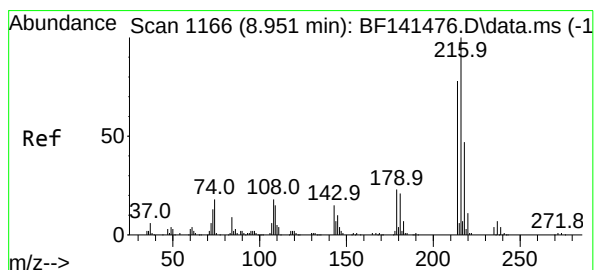
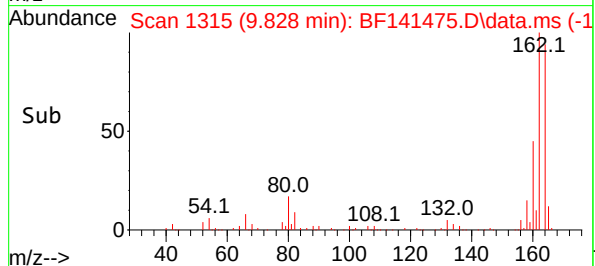
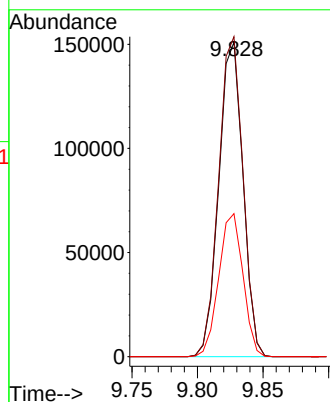
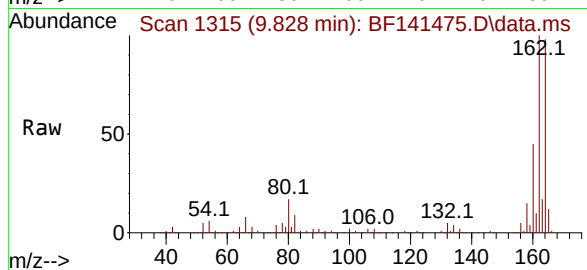
Tgt Ion:164 Resp: 193091

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

160 45.5 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.753 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:216 Resp: 115936

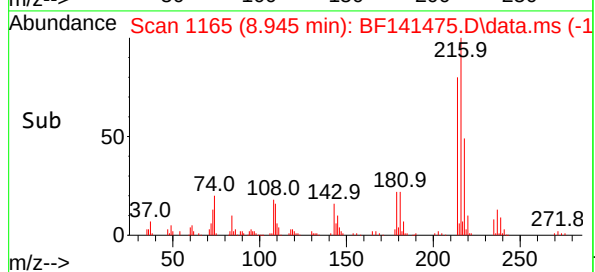
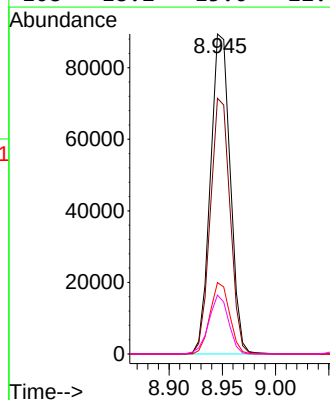
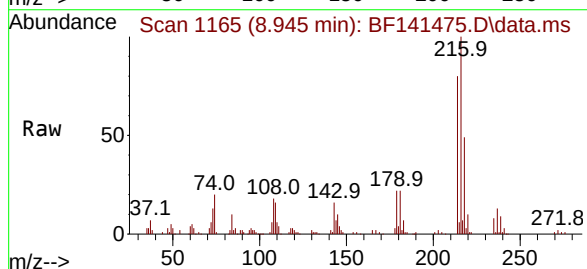
Ion Ratio Lower Upper

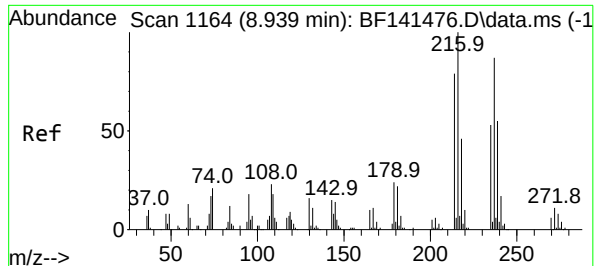
216 100

214 79.3 62.3 93.5

179 21.9 18.0 27.0

108 18.2 15.0 22.6

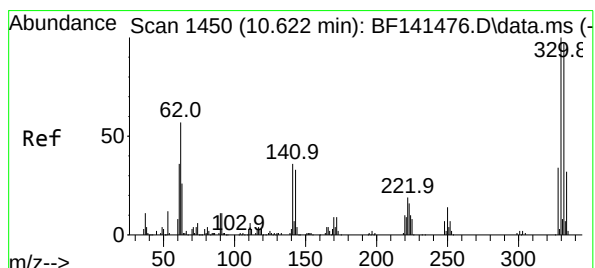
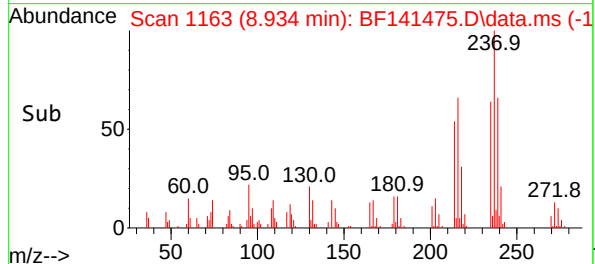
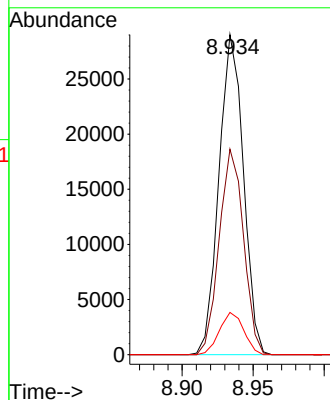
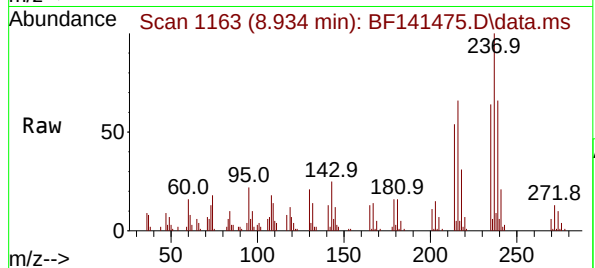




#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

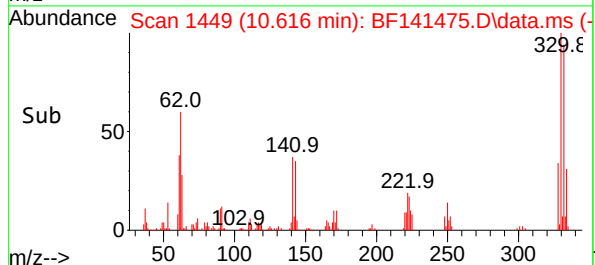
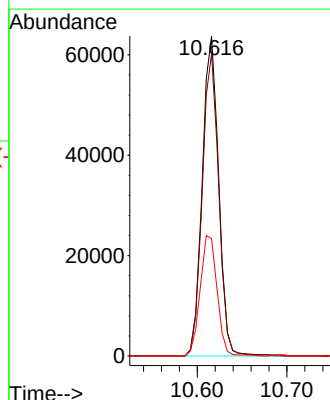
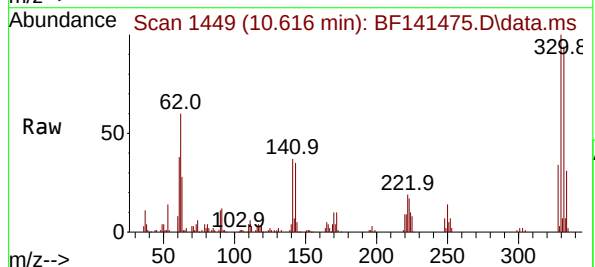
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

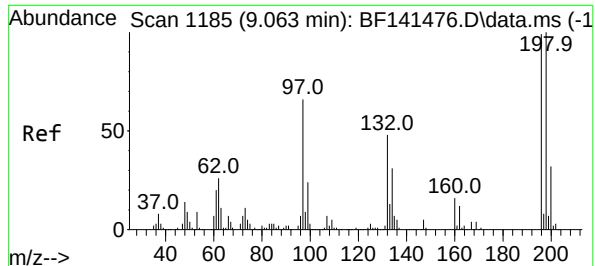
Tgt Ion: 237 Resp: 34729
Ion Ratio Lower Upper
237 100
235 64.2 41.4 81.4
272 13.2 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 330 Resp: 80912
Ion Ratio Lower Upper
330 100
332 94.7 78.5 117.7
141 38.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 20.817 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

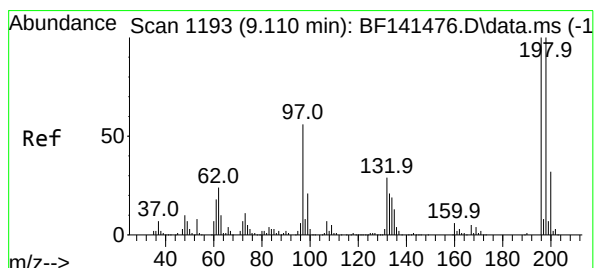
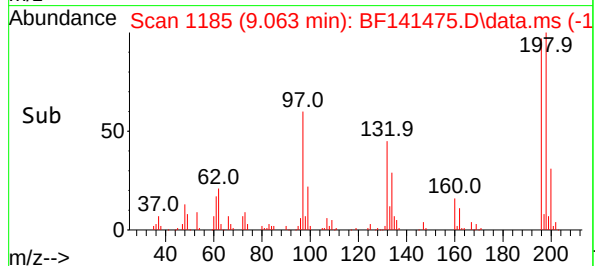
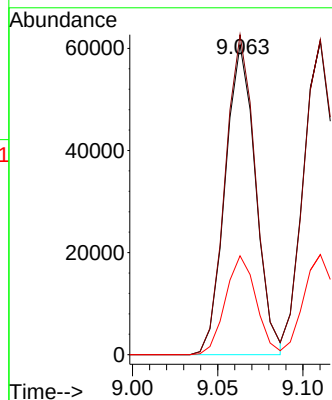
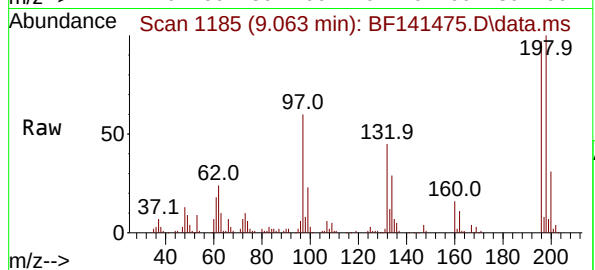
Tgt Ion:196 Resp: 75161

Ion Ratio Lower Upper

196 100

198 103.2 80.6 121.0

200 31.9 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 21.240 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 83112

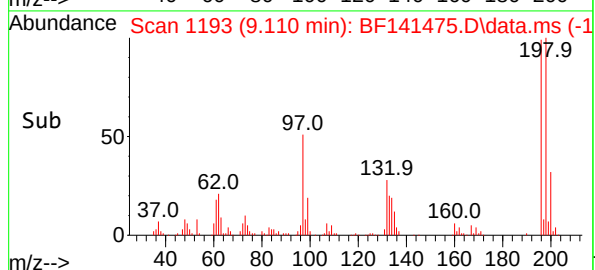
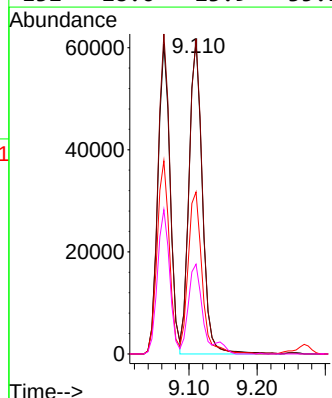
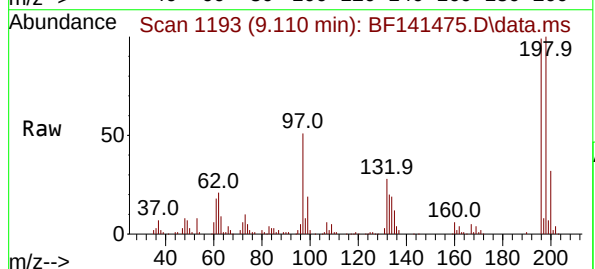
Ion Ratio Lower Upper

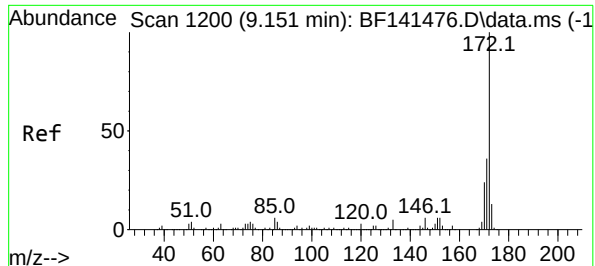
196 100

198 100.6 79.8 119.8

97 51.7 44.8 67.2

132 28.6 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 42.674 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

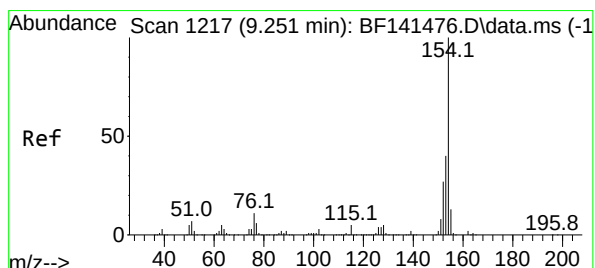
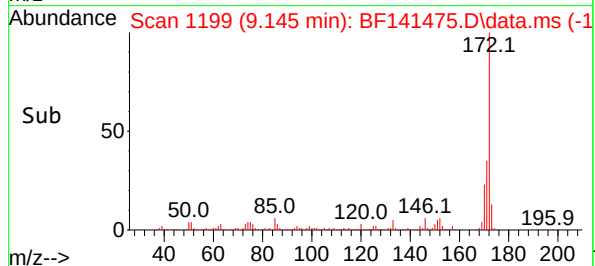
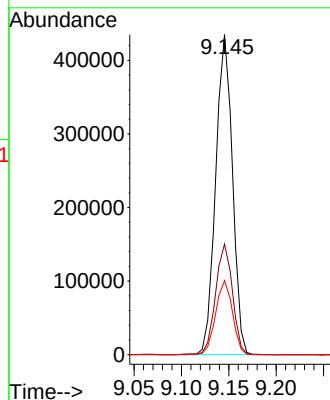
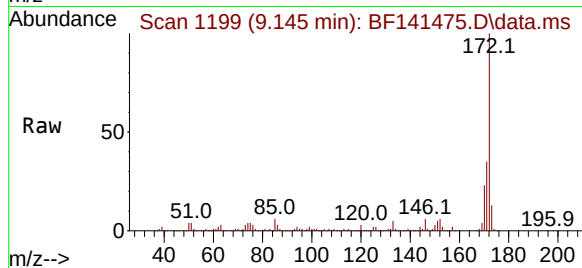
Tgt Ion:172 Resp: 534841

Ion Ratio Lower Upper

172 100

171 34.6 28.7 43.1

170 23.1 18.9 28.3



#46

1,1'-Biphenyl

Concen: 21.045 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

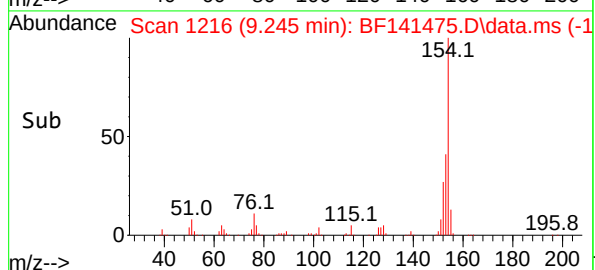
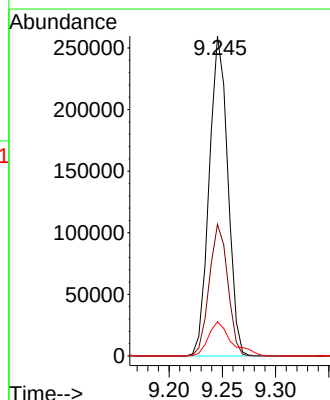
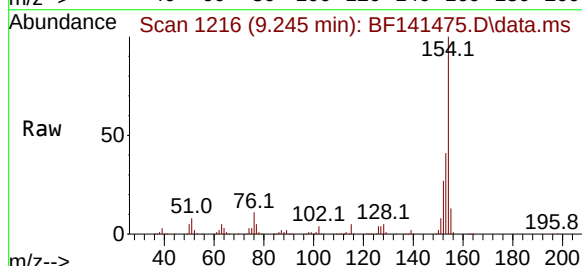
Tgt Ion:154 Resp: 315040

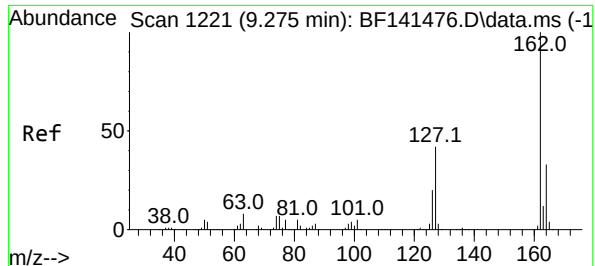
Ion Ratio Lower Upper

154 100

153 41.2 20.4 60.4

76 10.7 0.0 30.8





#47

2-Chloronaphthalene

Concen: 21.119 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

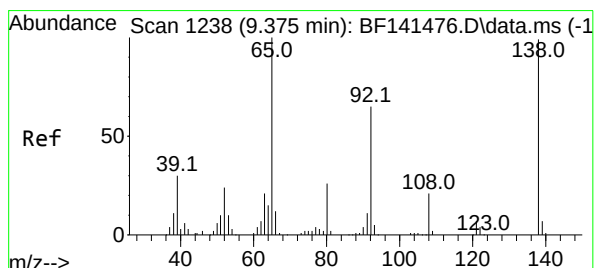
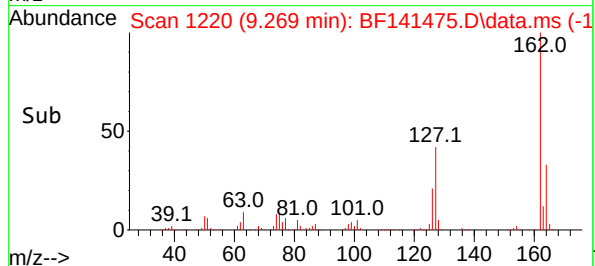
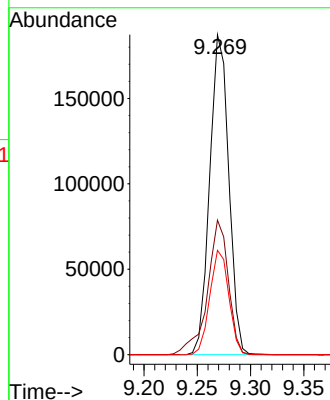
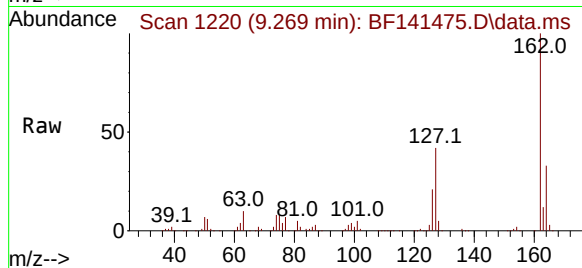
Tgt Ion:162 Resp: 233789

Ion Ratio Lower Upper

162 100

127 42.1 34.1 51.1

164 32.6 26.3 39.5



#48

2-Nitroaniline

Concen: 20.455 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

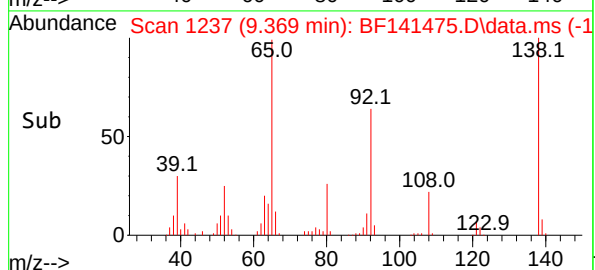
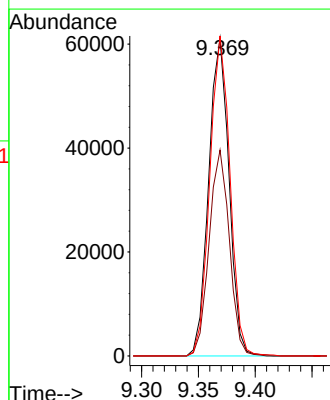
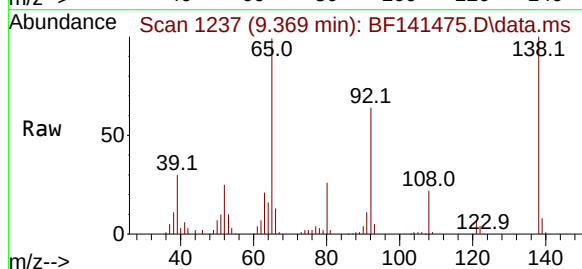
Tgt Ion: 65 Resp: 75990

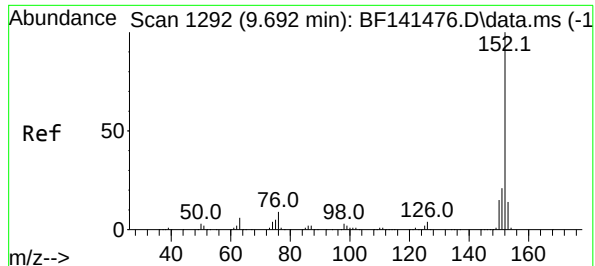
Ion Ratio Lower Upper

65 100

92 64.8 52.2 78.2

138 100.7 79.5 119.3





#49

Acenaphthylene

Concen: 21.004 ng

RT: 9.687 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

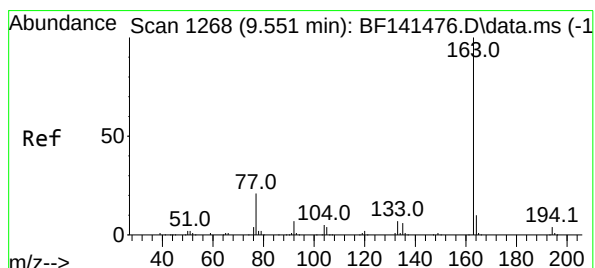
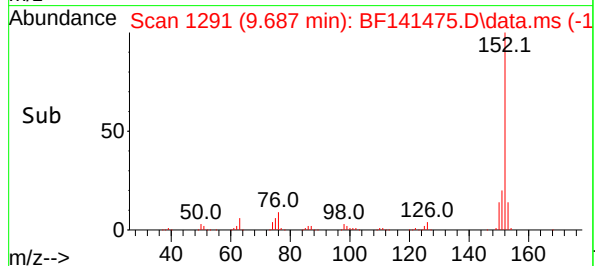
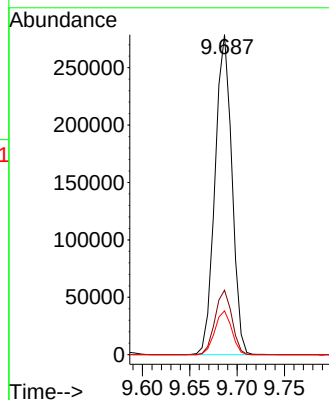
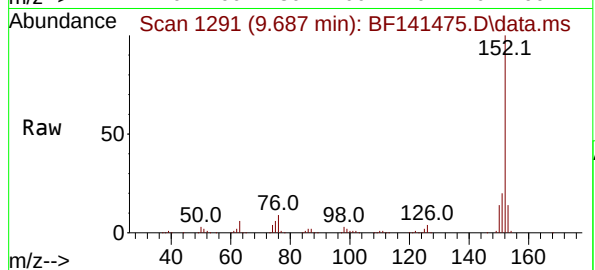
Tgt Ion:152 Resp: 345829

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.7 10.9 16.3



#50

Dimethylphthalate

Concen: 20.744 ng

RT: 9.545 min Scan# 1267

Delta R.T. -0.017 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

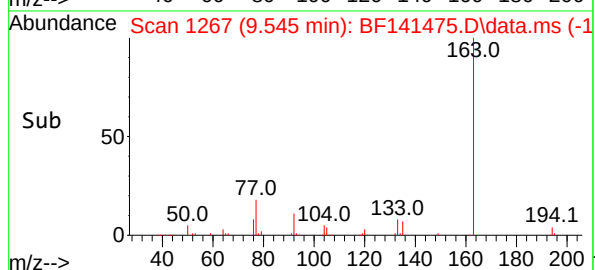
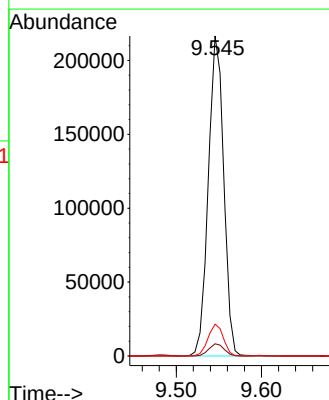
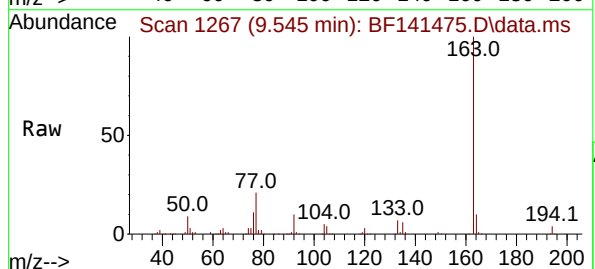
Tgt Ion:163 Resp: 271920

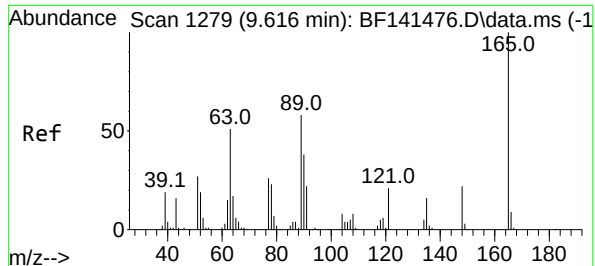
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.0 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 21.182 ng

RT: 9.610 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

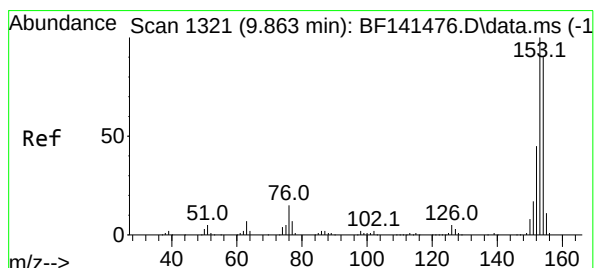
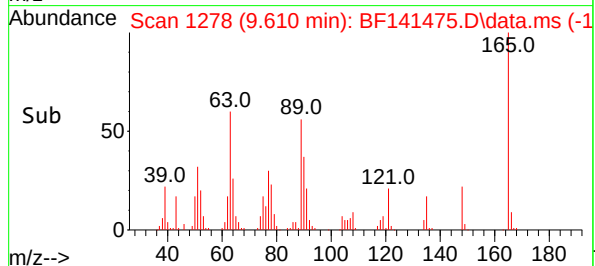
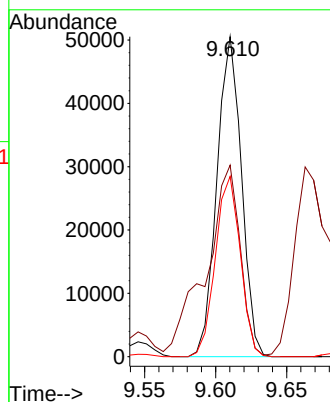
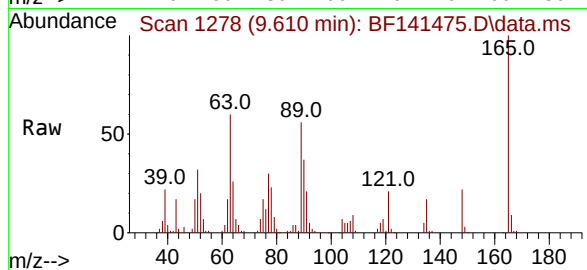
Tgt Ion:165 Resp: 60700

Ion Ratio Lower Upper

165 100

63 59.8 49.4 74.0

89 56.3 46.5 69.7



#52

Acenaphthene

Concen: 20.728 ng m

RT: 9.857 min Scan# 1320

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

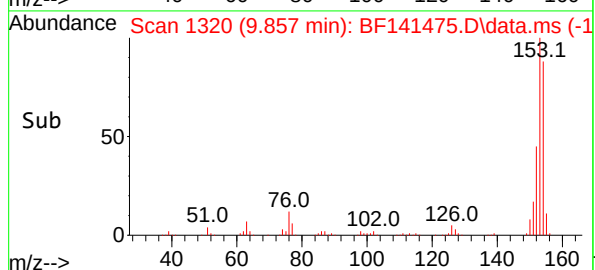
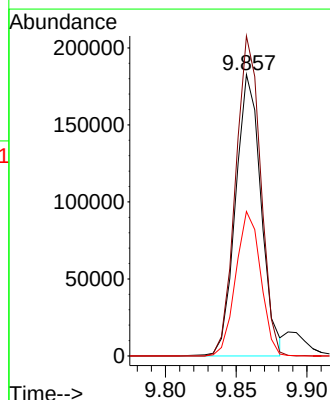
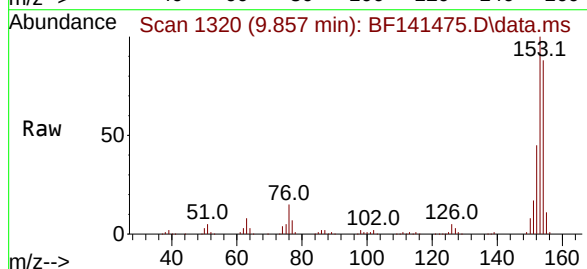
Tgt Ion:154 Resp: 229442

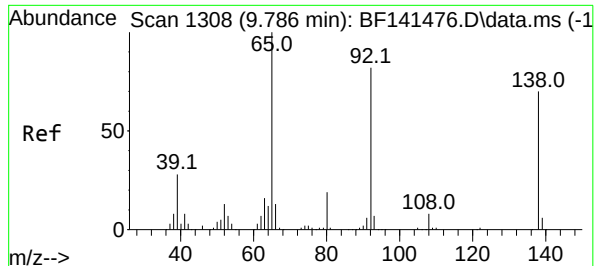
Ion Ratio Lower Upper

154 100

153 113.7 89.2 133.8

152 51.3 39.8 59.8

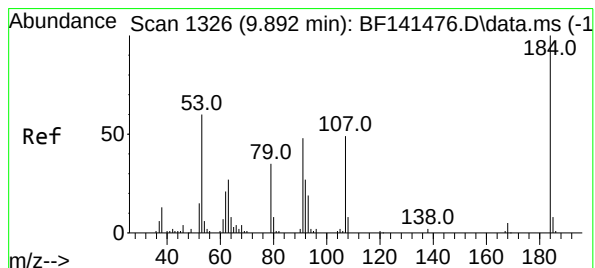
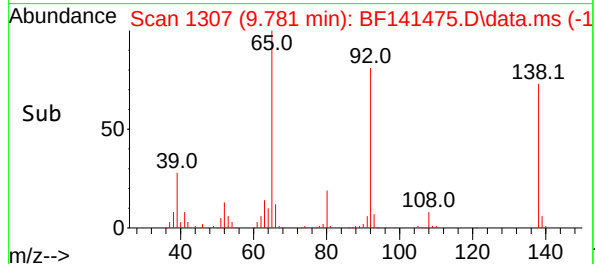
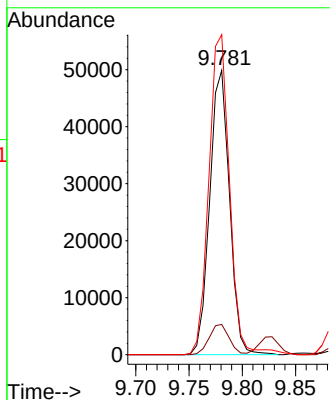
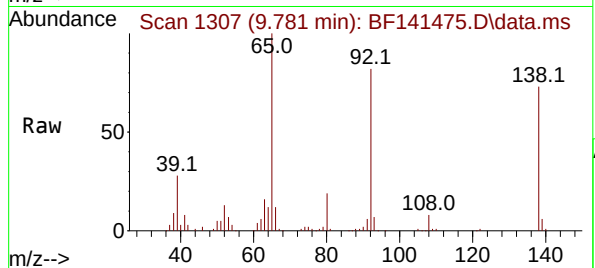




#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

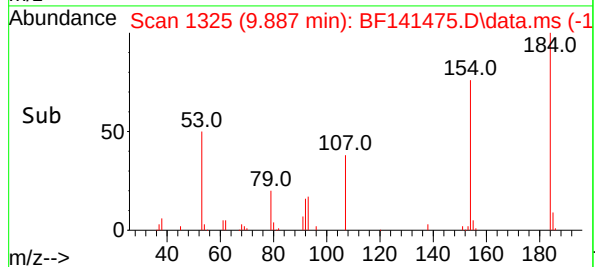
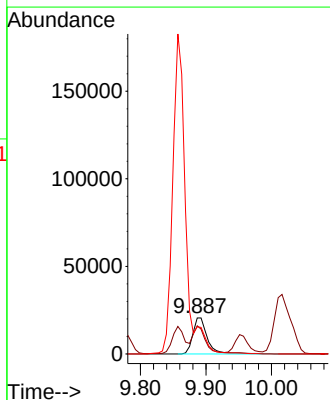
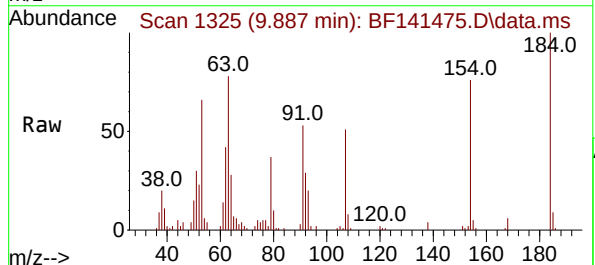
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

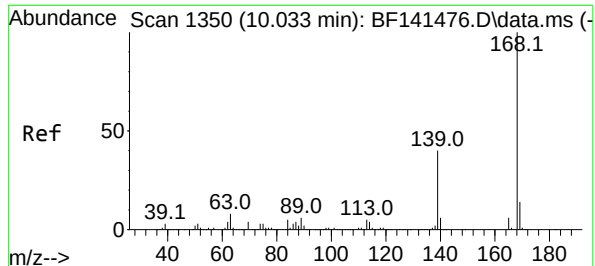
Tgt Ion:138 Resp: 64626
Ion Ratio Lower Upper
138 100
108 10.6 9.0 13.4
92 112.5 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 32186
Ion Ratio Lower Upper
184 100
63 78.3 61.0 91.6
154 75.8 59.9 89.9





#55

Dibenzenofuran

Concen: 21.087 ng

RT: 10.028 min Scan# 1349

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

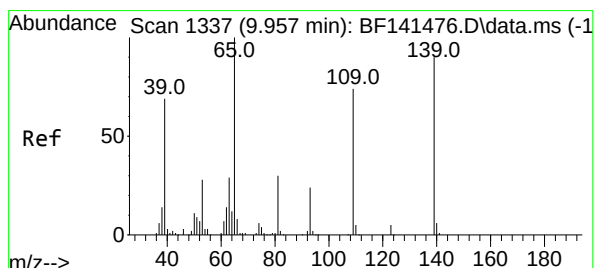
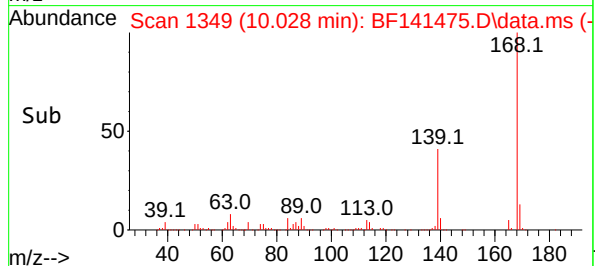
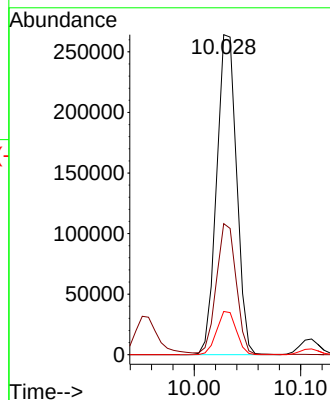
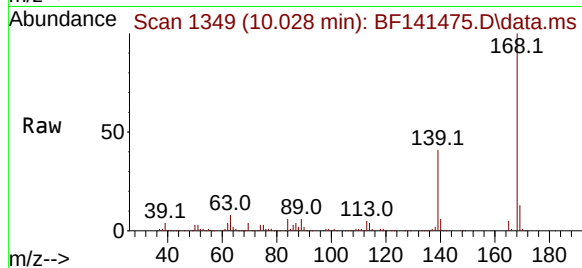
Tgt Ion:168 Resp: 342620

Ion Ratio Lower Upper

168 100

139 40.9 32.7 49.1

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 20.843 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.018 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

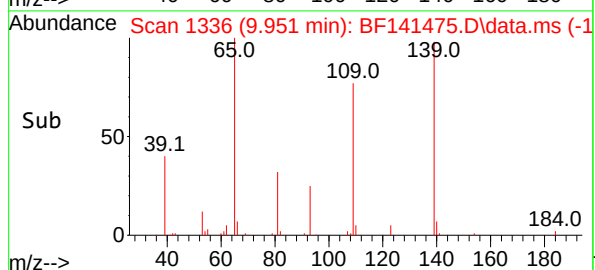
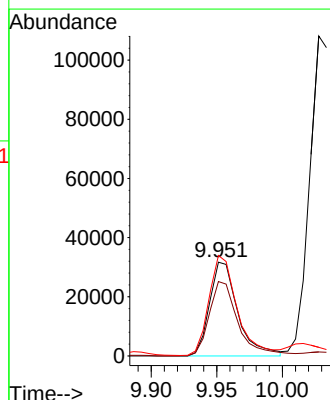
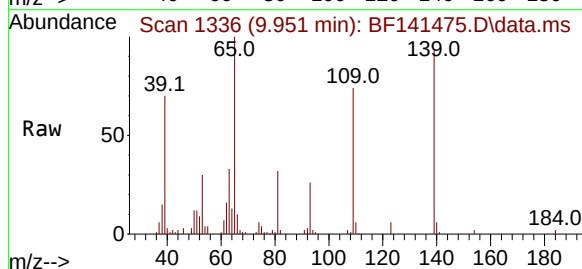
Tgt Ion:139 Resp: 47721

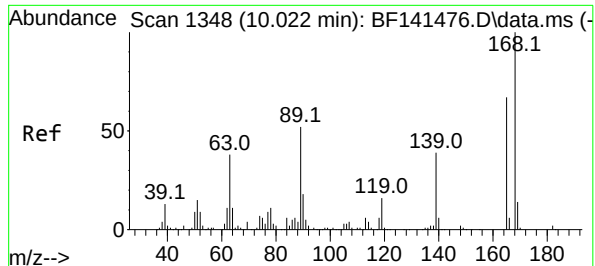
Ion Ratio Lower Upper

139 100

109 79.3 62.0 102.0

65 107.1 91.2 131.2

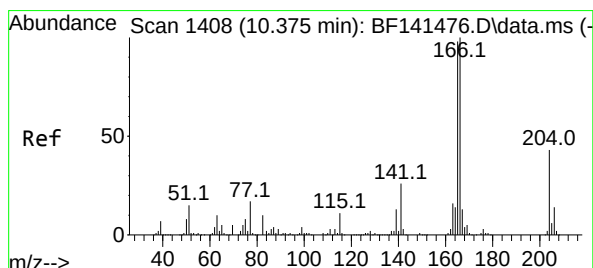
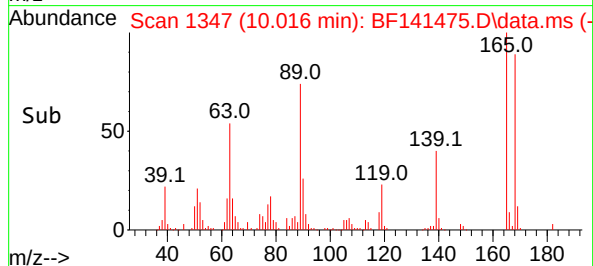
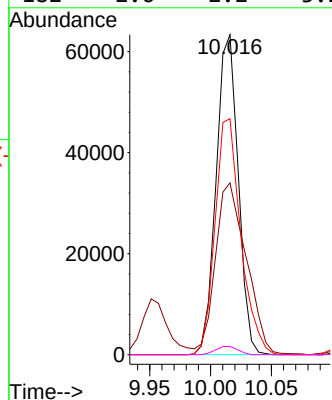
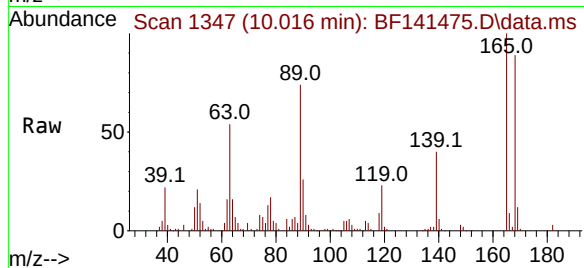




#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

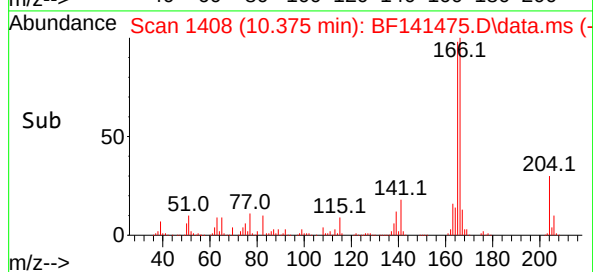
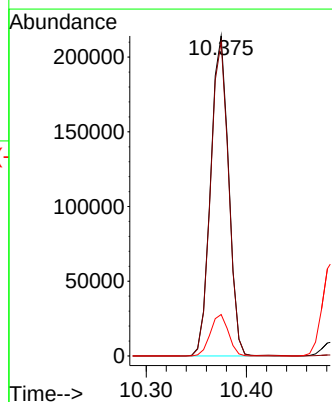
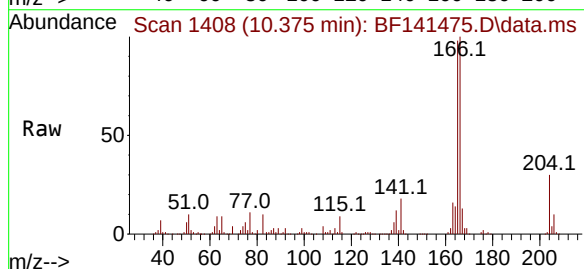
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

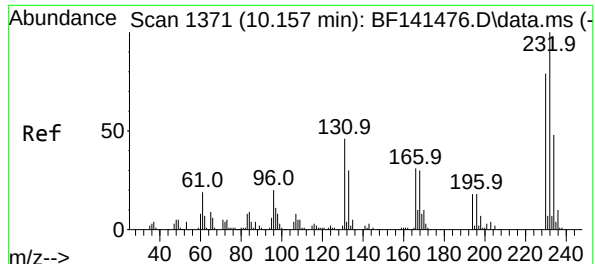
Tgt Ion:165 Resp: 79865
Ion Ratio Lower Upper
165 100
63 53.7 46.4 69.6
89 73.8 61.8 92.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:166 Resp: 265810
Ion Ratio Lower Upper
166 100
165 98.1 78.2 117.2
167 13.0 10.7 16.1

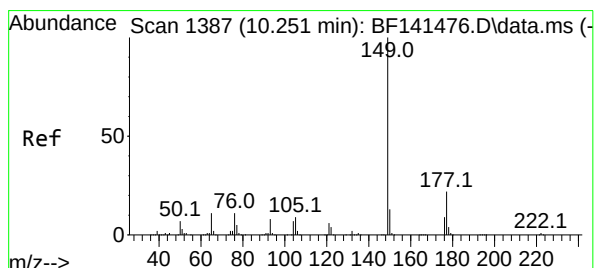
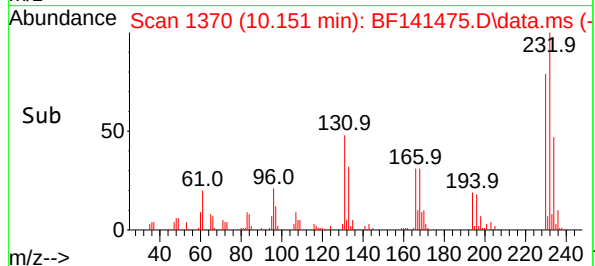
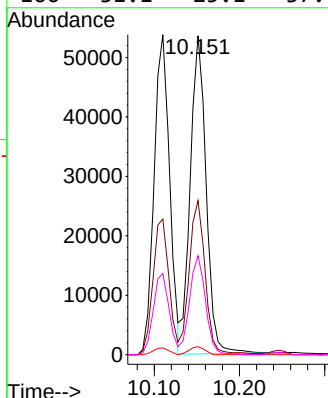
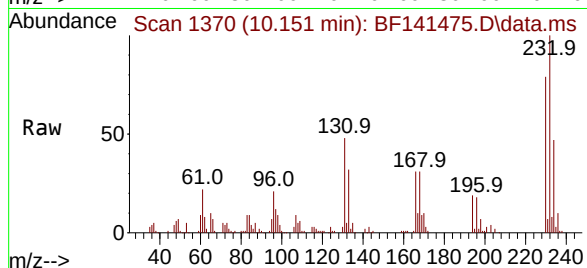




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

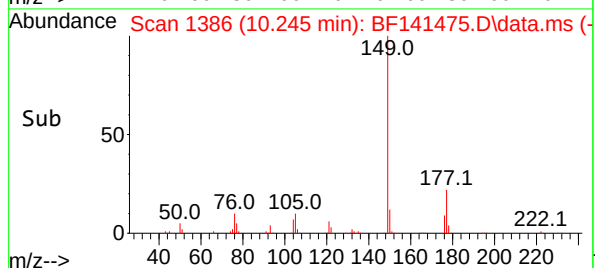
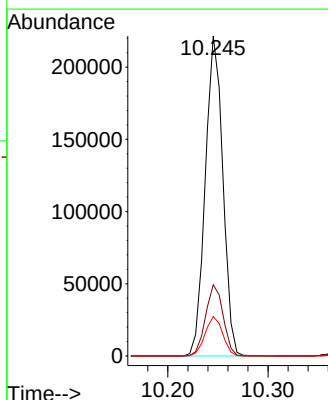
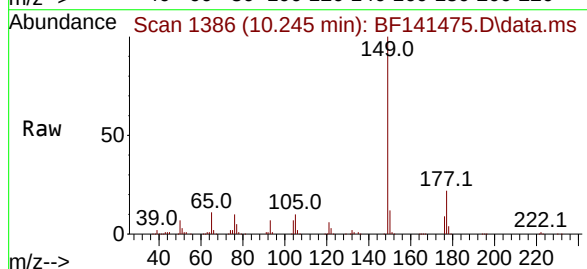
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

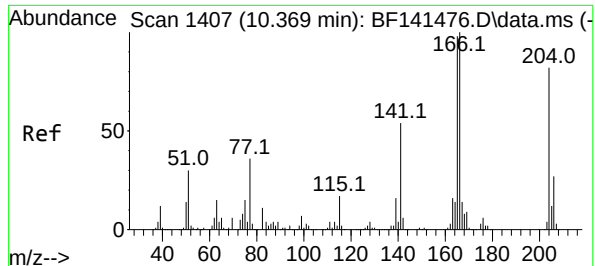
Tgt Ion:232 Resp: 69328
Ion Ratio Lower Upper
232 100
131 49.0 39.2 58.8
130 2.4 2.1 3.1
166 31.1 25.1 37.7



#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 270018
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.3 10.1 15.1

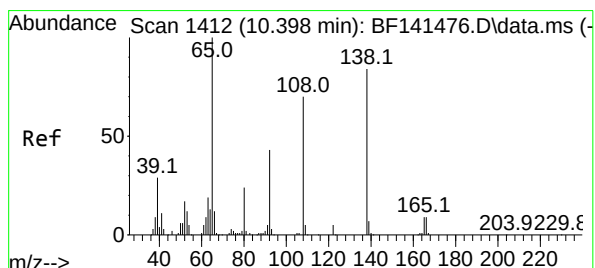
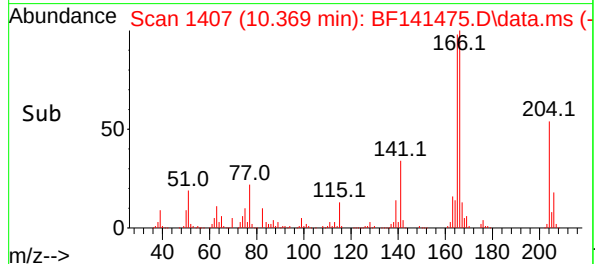
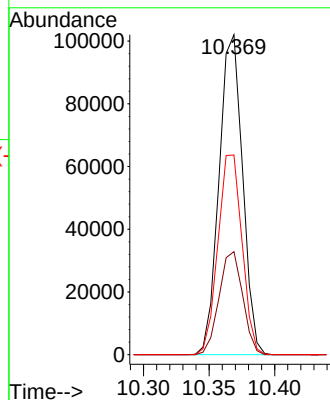
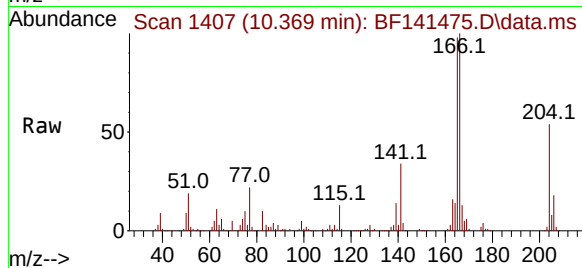




#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

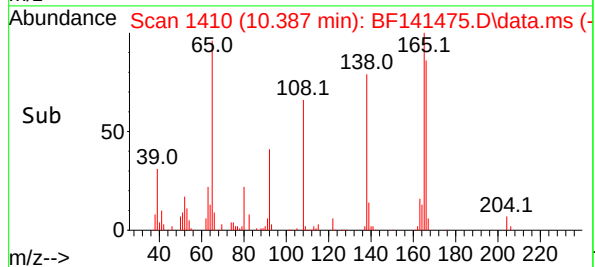
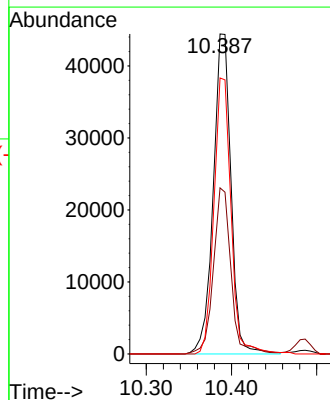
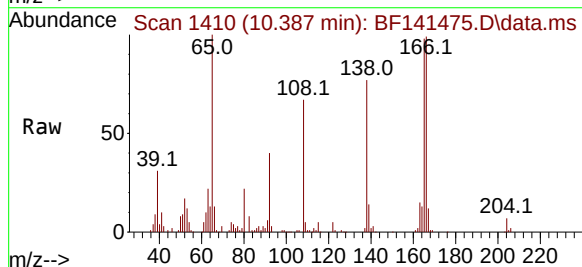
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

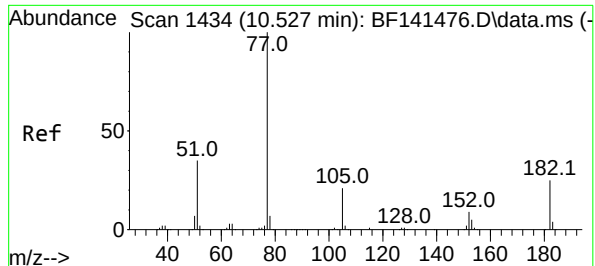
Tgt Ion:204 Resp: 127216
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 62.4 51.9 77.9



#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:138 Resp: 64262
Ion Ratio Lower Upper
138 100
92 51.9 31.3 71.3
108 86.2 63.7 103.7

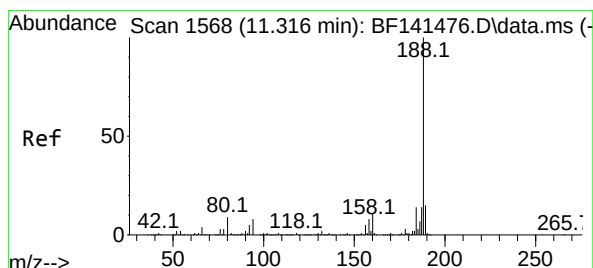
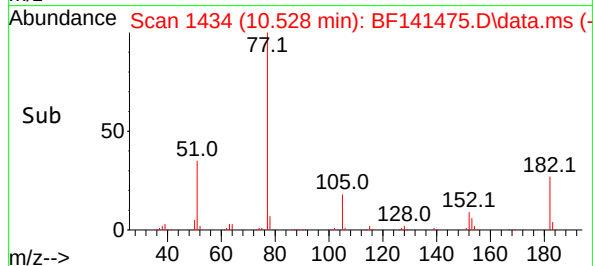
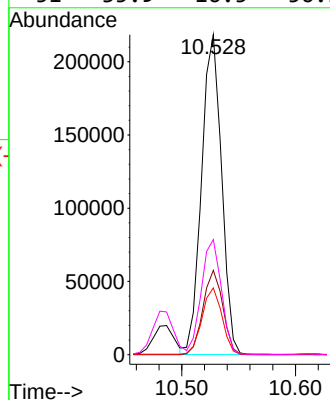
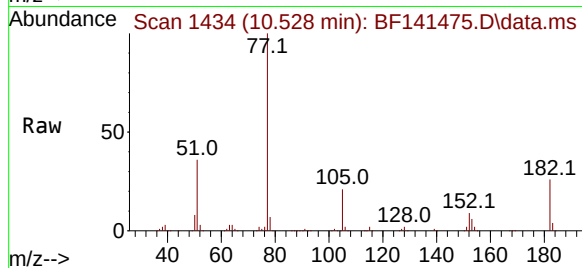




#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

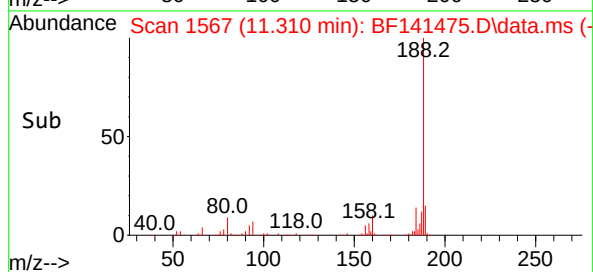
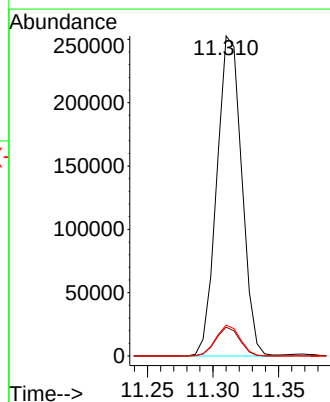
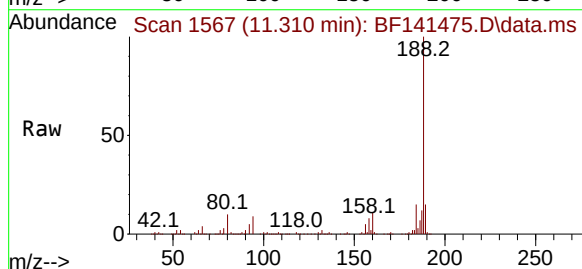
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

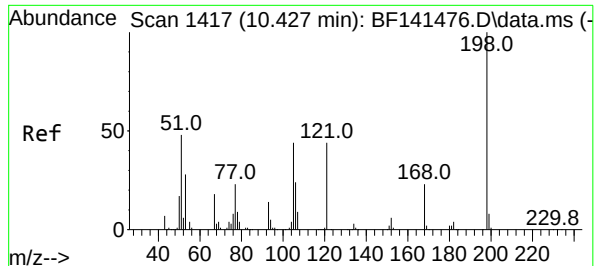
Tgt Ion: 77	Resp: 267372
Ion Ratio	Lower Upper
77	100
182	26.4 4.7 44.7
105	20.9 0.4 40.4
51	35.9 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 188	Resp: 333651
Ion Ratio	Lower Upper
188	100
94	9.0 6.6 10.0
80	9.7 7.3 10.9

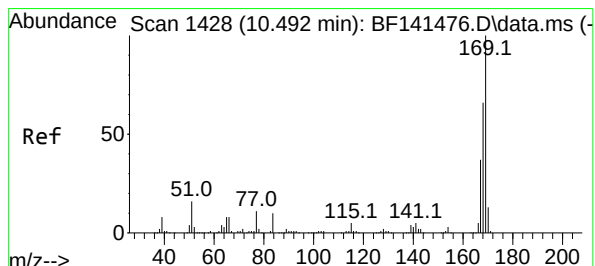
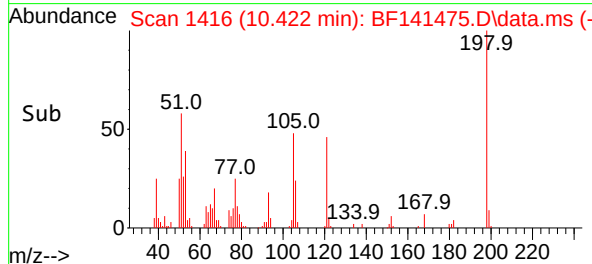
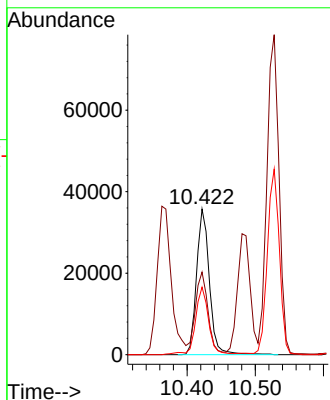
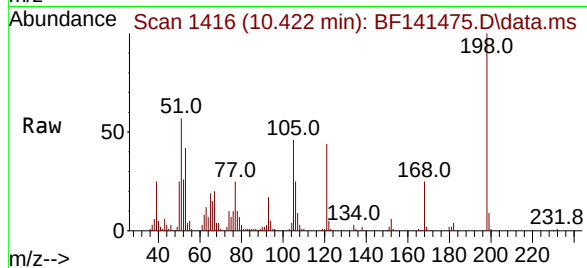




#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

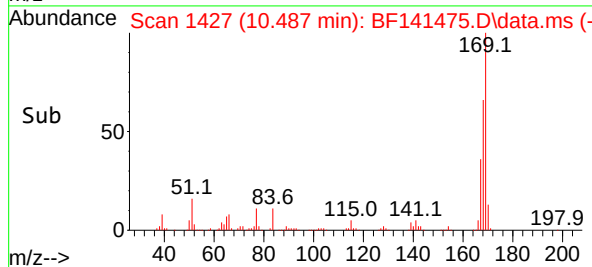
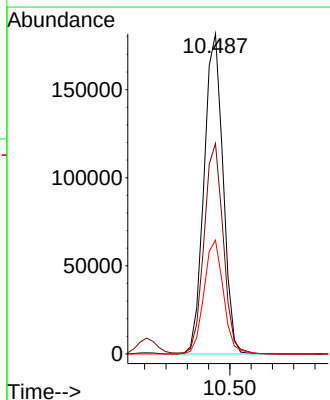
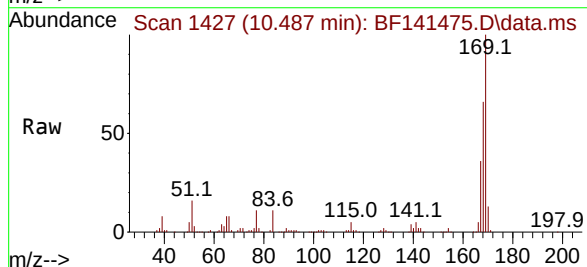
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

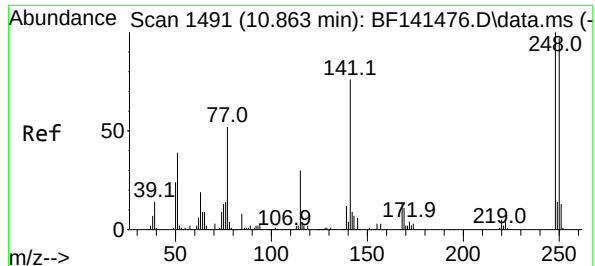
Tgt Ion:198 Resp: 46877
Ion Ratio Lower Upper
198 100
51 56.7 37.4 77.4
105 46.4 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:169 Resp: 224776
Ion Ratio Lower Upper
169 100
168 65.8 53.3 79.9
167 35.6 29.4 44.2

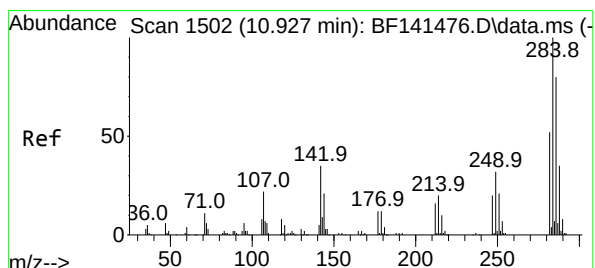
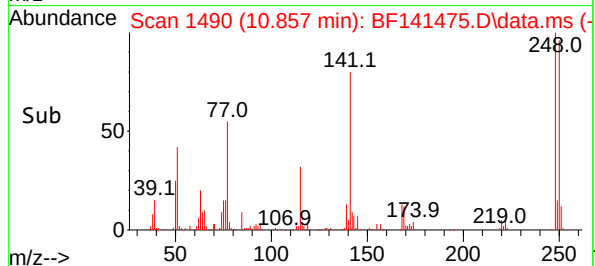
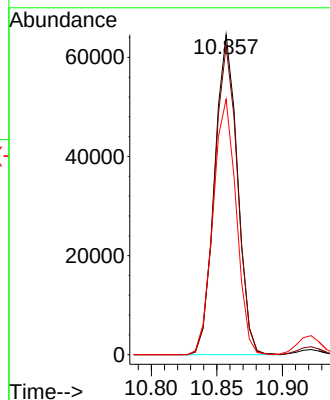
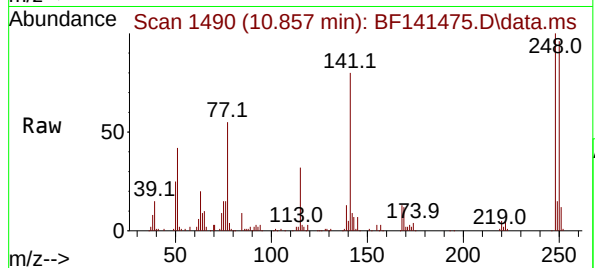




#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

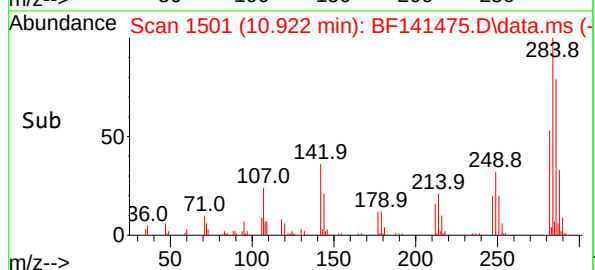
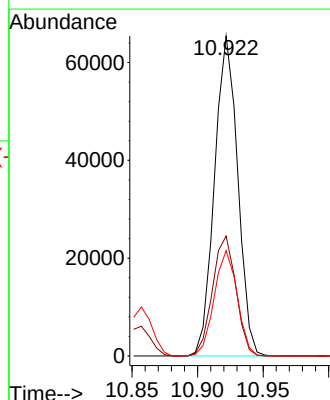
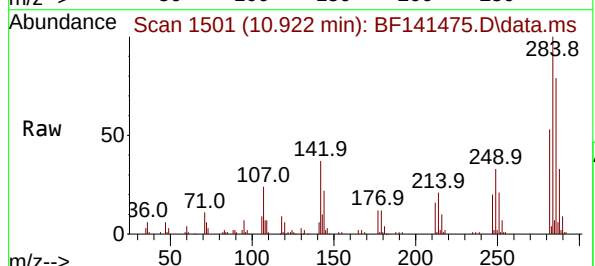
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

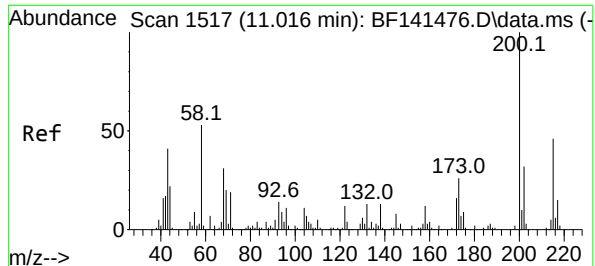
Tgt Ion:248 Resp: 78167
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 79.8 60.6 90.8



#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:284 Resp: 80301
Ion Ratio Lower Upper
284 100
142 37.5 28.0 42.0
249 32.9 25.8 38.8





#69

Atrazine

Concen: 22.271 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

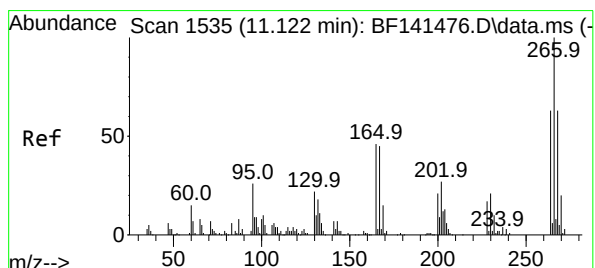
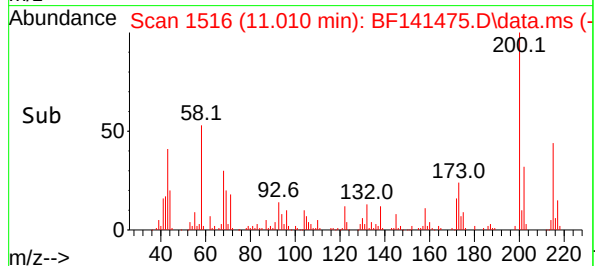
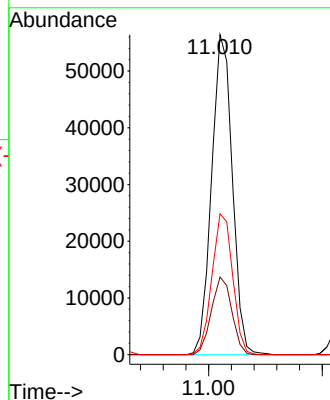
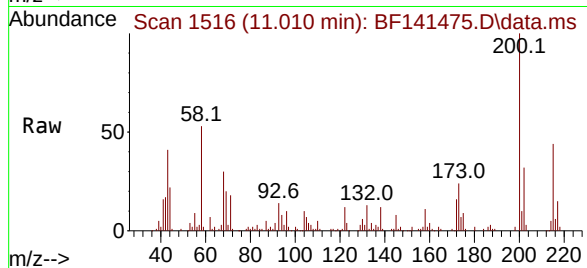
Tgt Ion:200 Resp: 71359

Ion Ratio Lower Upper

200 100

173 24.3 5.9 45.9

215 44.1 25.9 65.9



#70

Pentachlorophenol

Concen: 20.584 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

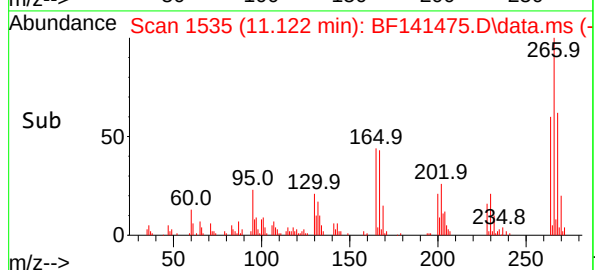
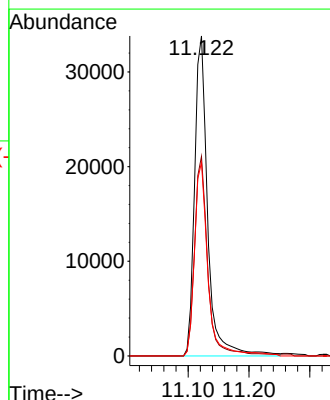
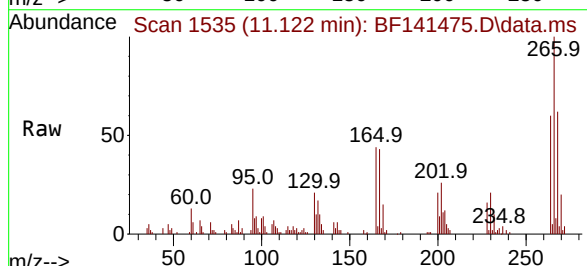
Tgt Ion:266 Resp: 50539

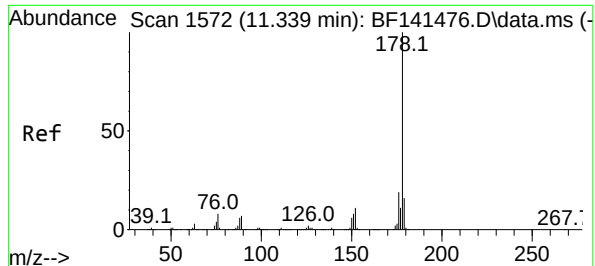
Ion Ratio Lower Upper

266 100

268 62.4 50.1 75.1

264 60.5 50.1 75.1

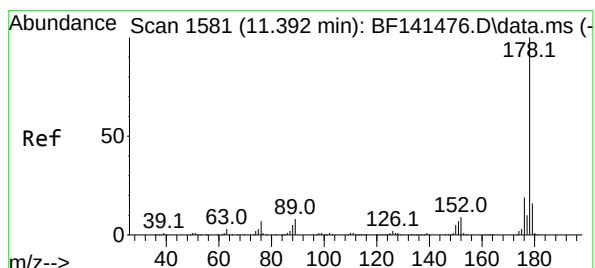
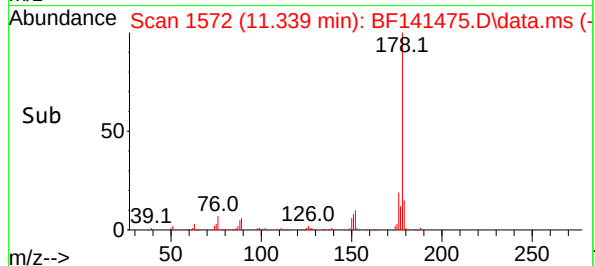
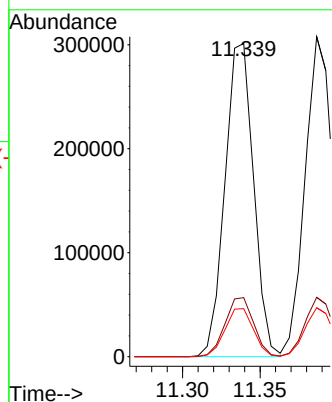
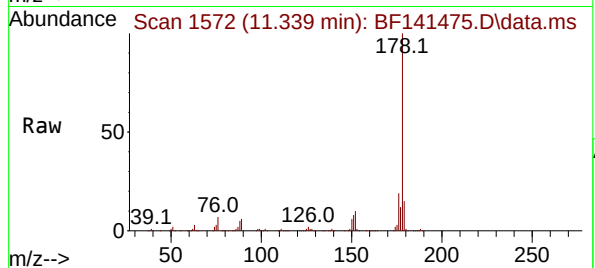




#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

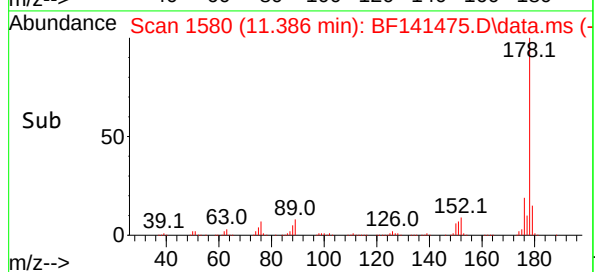
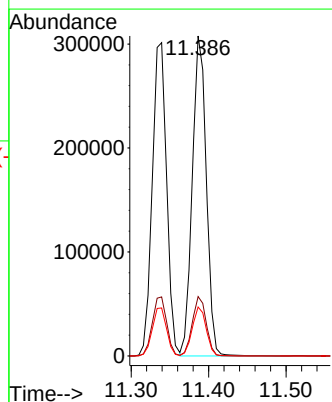
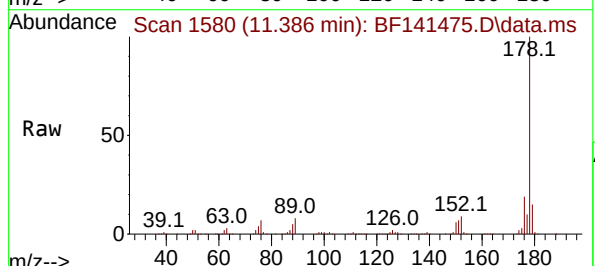
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

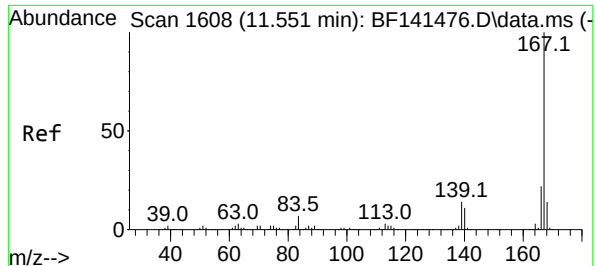
Tgt Ion:178 Resp: 387256
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 386414
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.4 18.6

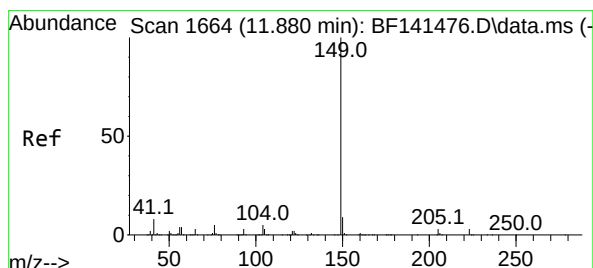
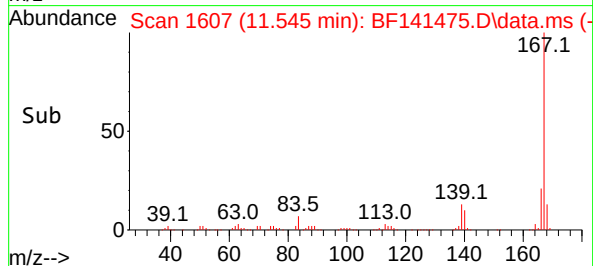
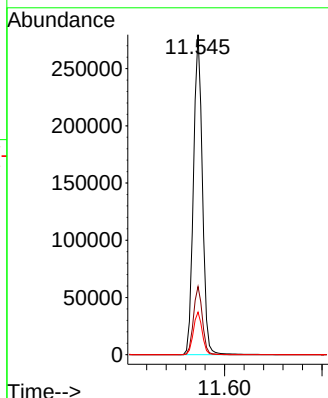
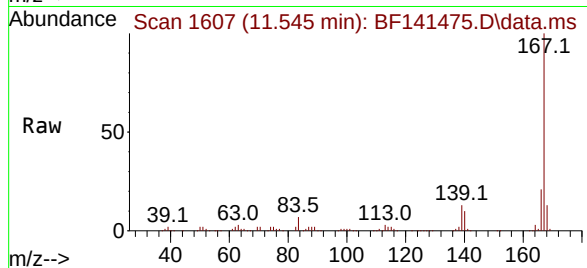




#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

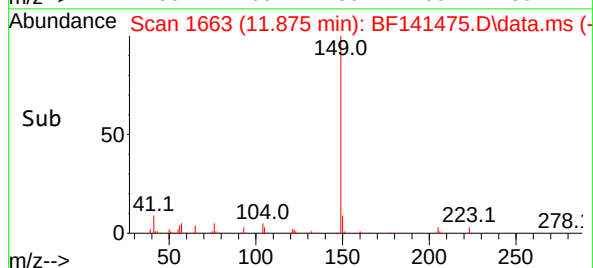
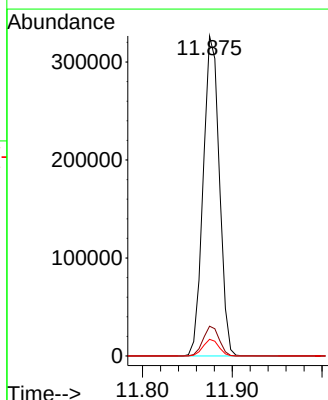
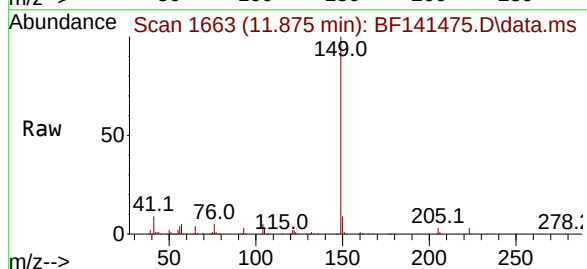
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

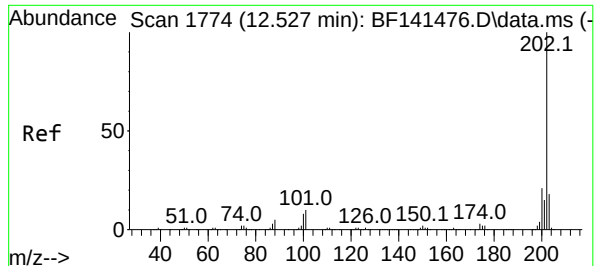
Tgt Ion:167 Resp: 358987
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.2
139 13.3 10.9 16.3



#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 408041
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.2 4.2 6.2

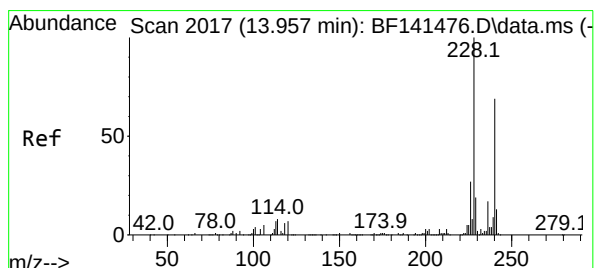
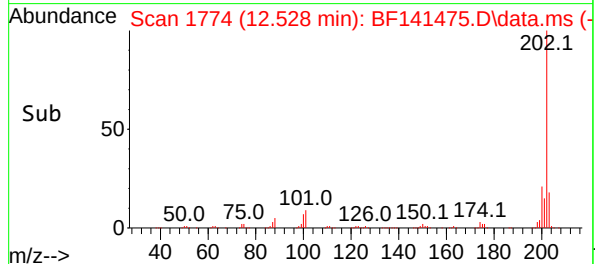
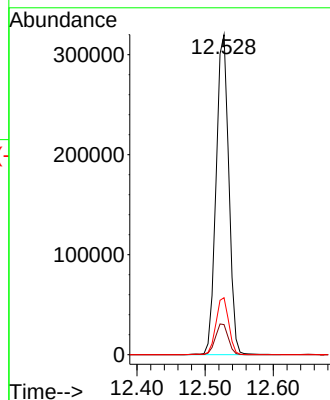
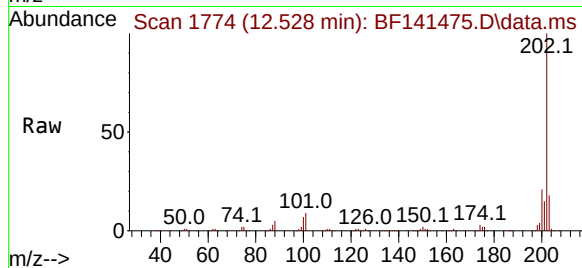




#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

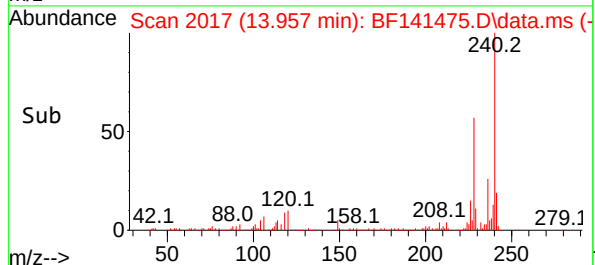
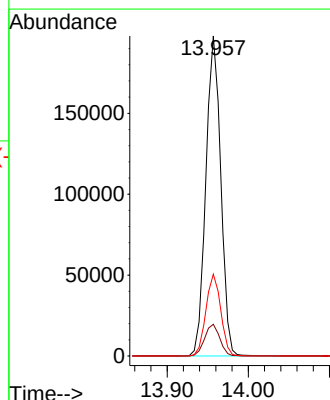
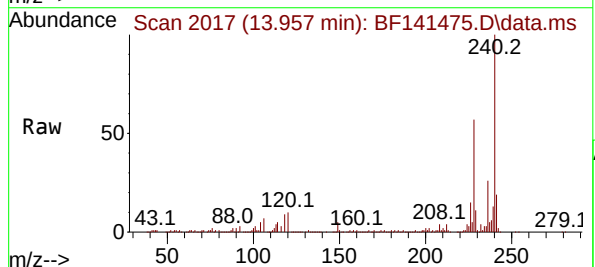
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

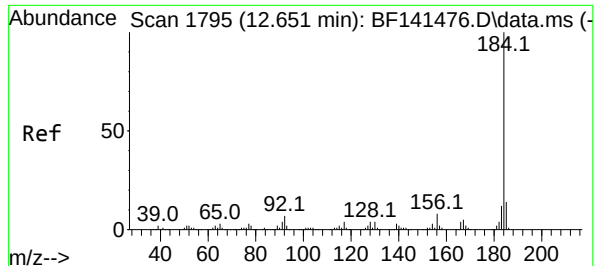
Tgt Ion:202 Resp: 414712
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:240 Resp: 251741
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.5 19.8 29.8

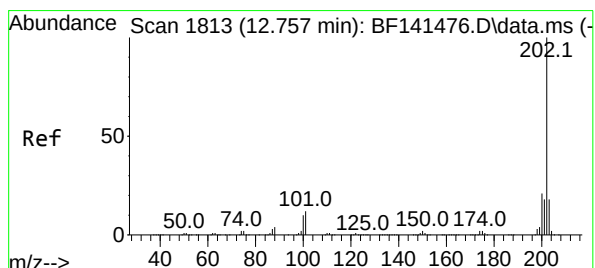
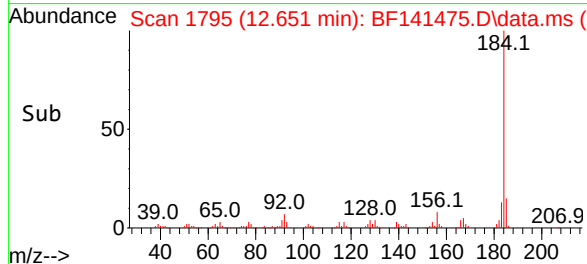
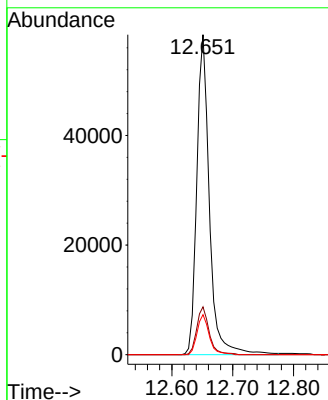
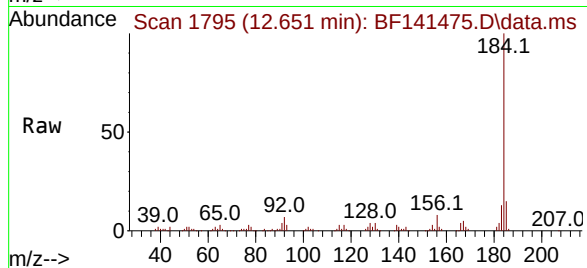




#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

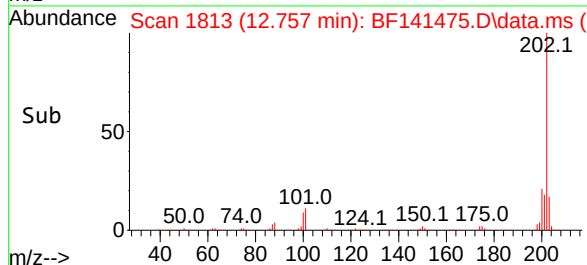
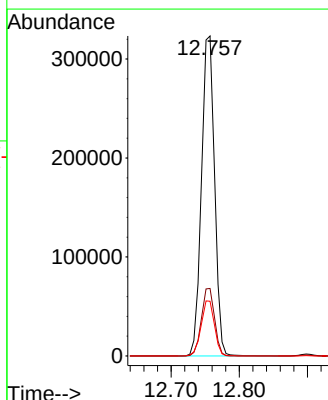
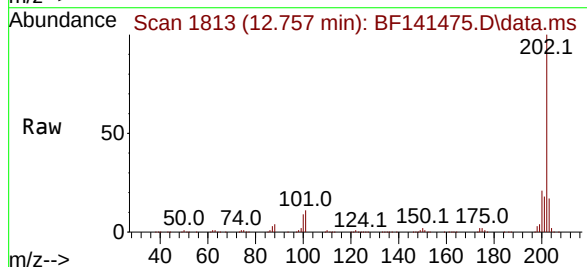
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

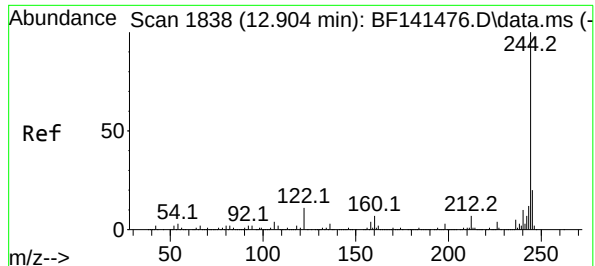
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	12.5	9.3	13.9



#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.1	14.3	21.5





#79

Terphenyl-d14

Concen: 40.894 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

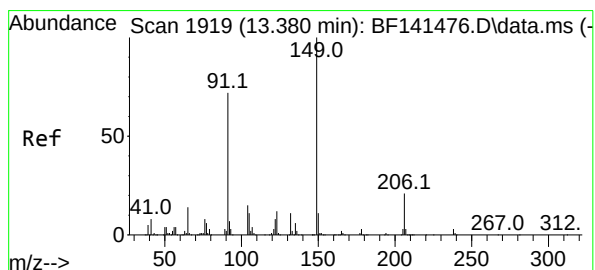
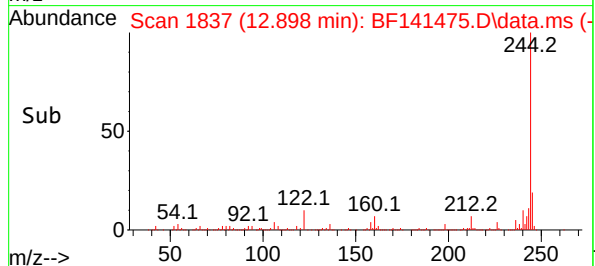
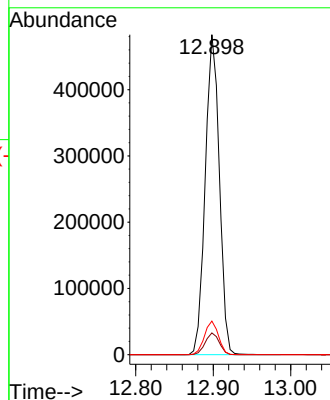
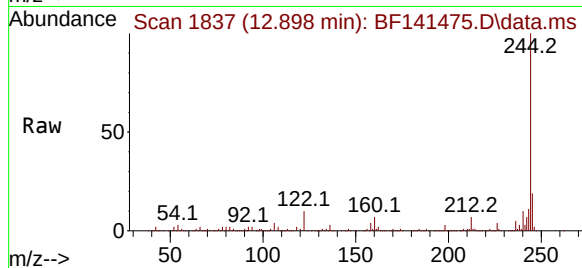
Tgt Ion:244 Resp: 609819

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.5 8.4 12.6



#80

Butylbenzylphthalate

Concen: 20.502 ng

RT: 13.375 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

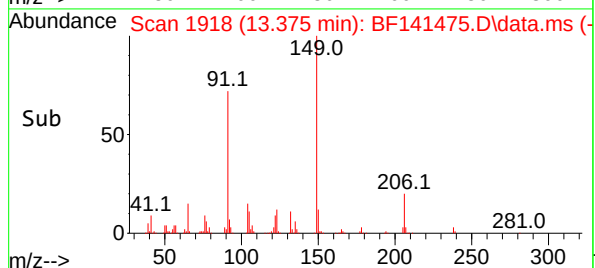
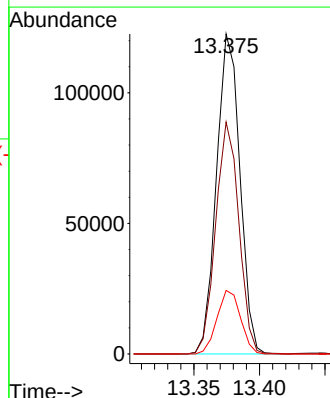
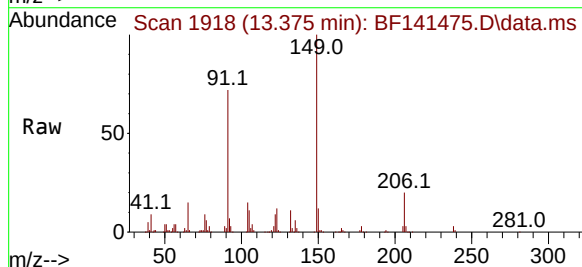
Tgt Ion:149 Resp: 152184

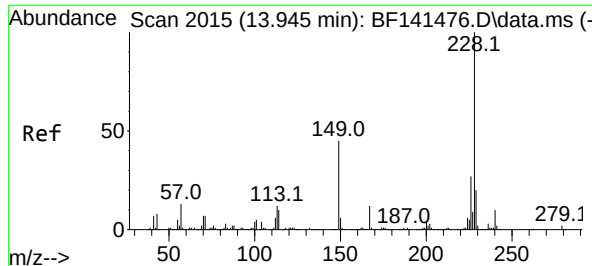
Ion Ratio Lower Upper

149 100

91 72.5 57.8 86.8

206 19.8 16.7 25.1

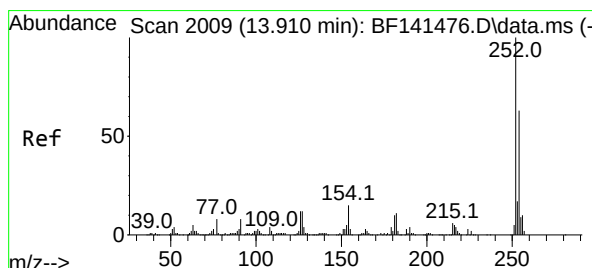
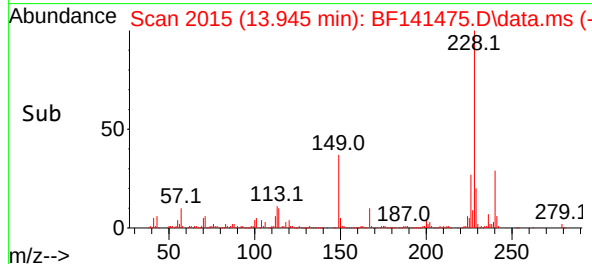
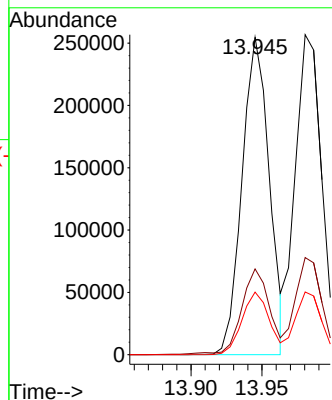
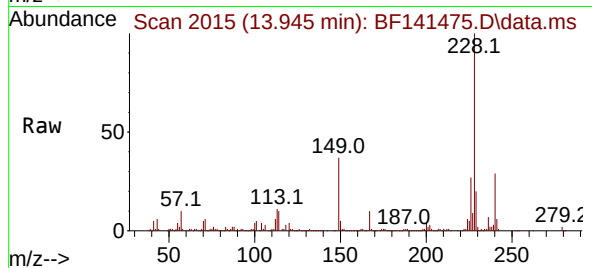




#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

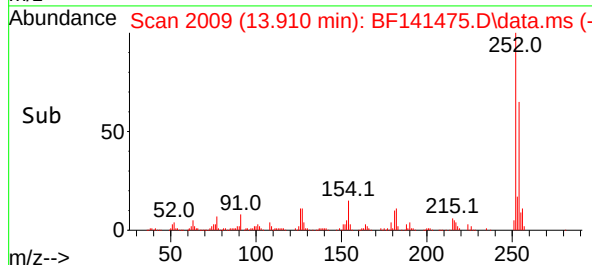
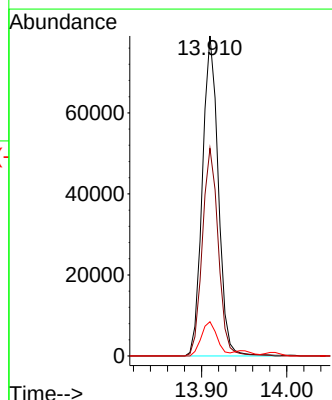
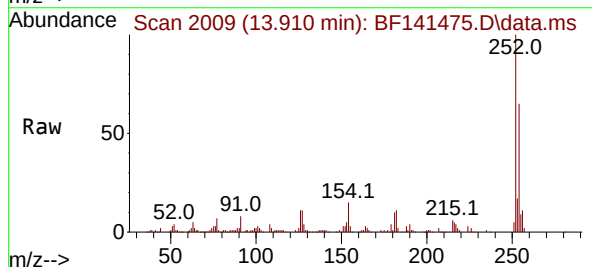
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

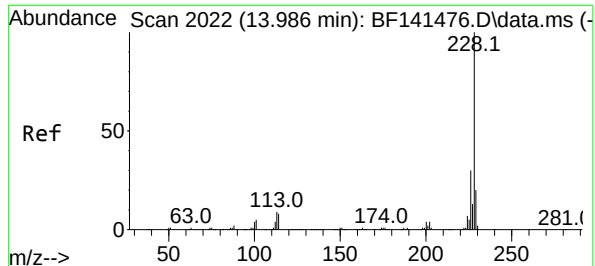
Tgt Ion:228 Resp: 339877
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 102367
Ion Ratio Lower Upper
252 100
254 64.9 50.6 76.0
126 10.7 9.3 13.9





#83

Chrysene

Concen: 21.411 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

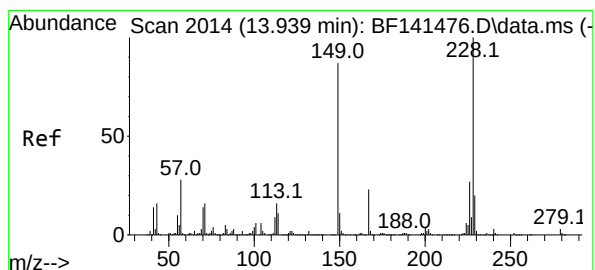
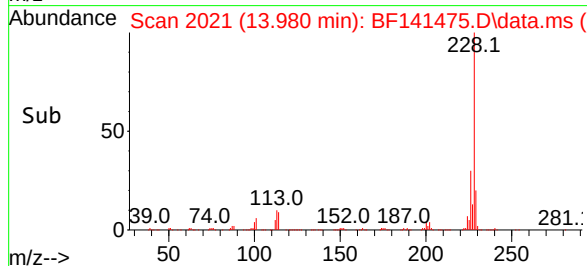
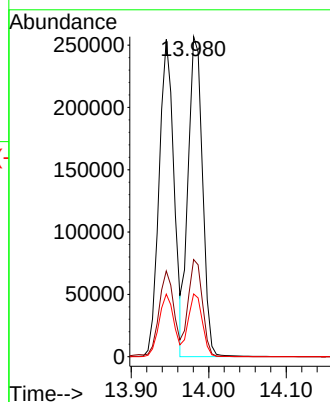
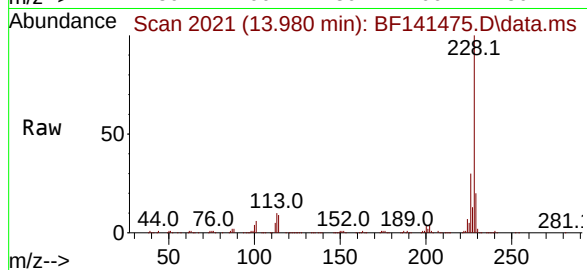
Tgt Ion:228 Resp: 330823

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.588 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

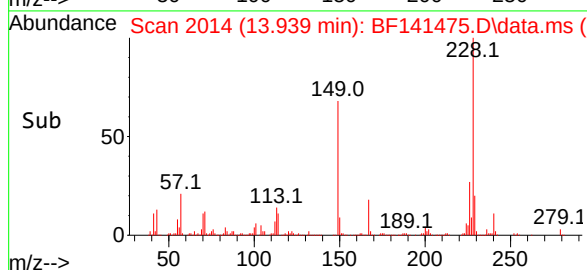
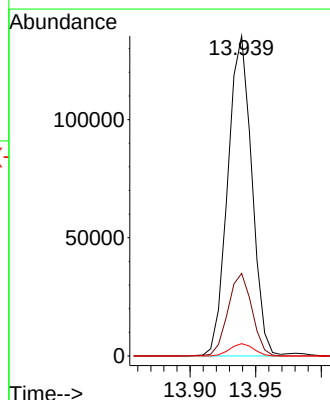
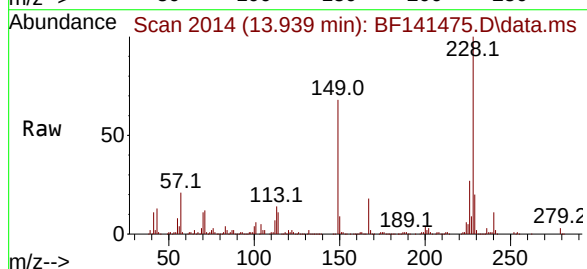
Tgt Ion:149 Resp: 172352

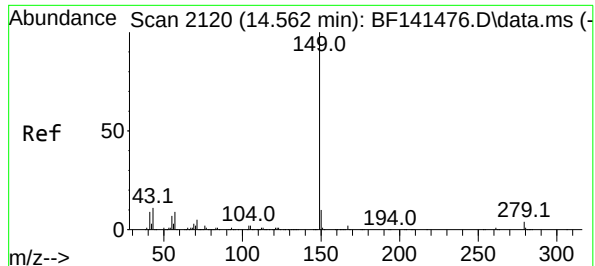
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.9 3.1 4.7

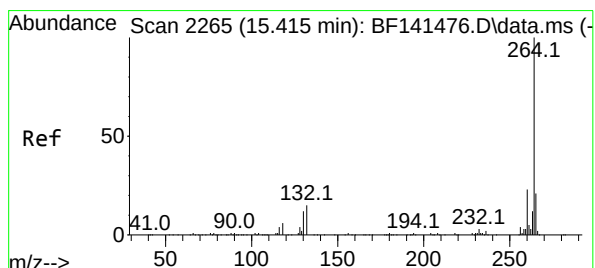
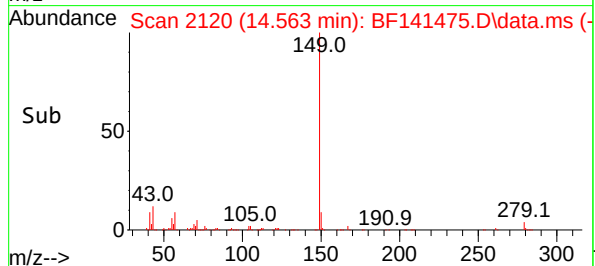
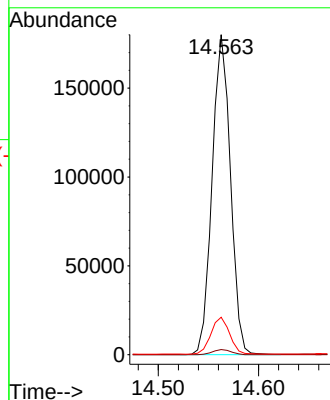
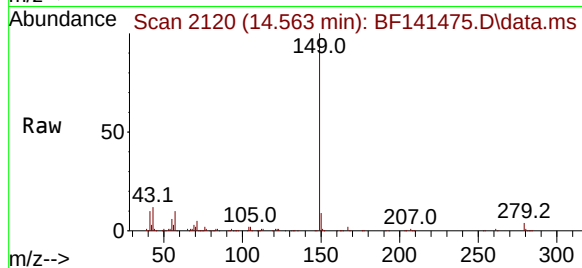




#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

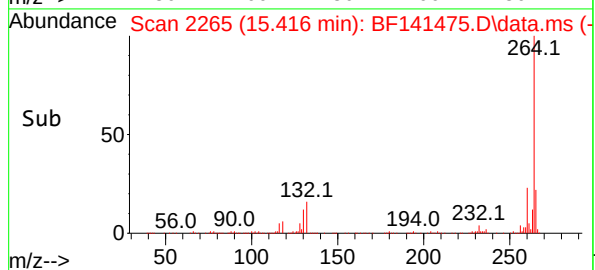
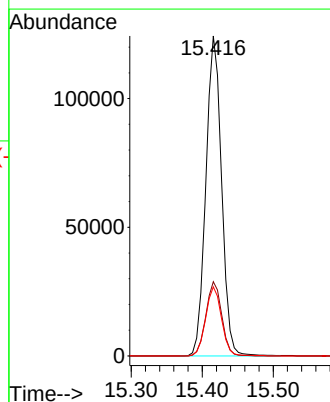
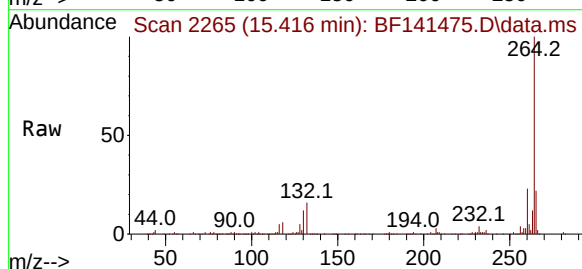
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

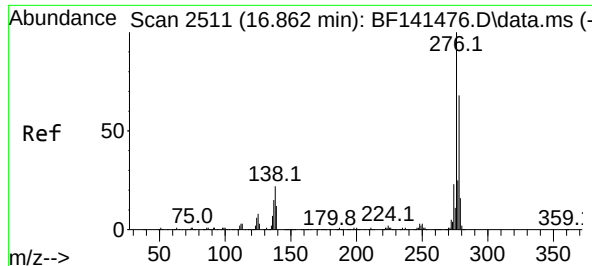
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.6	17.0	25.4

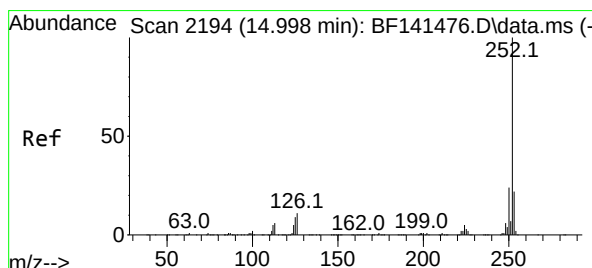
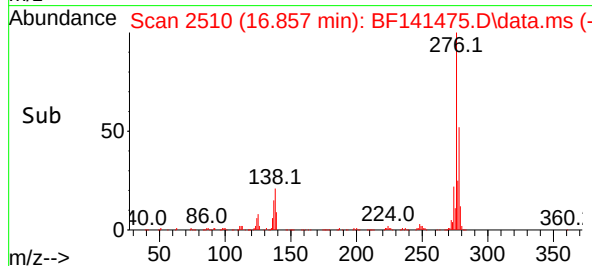
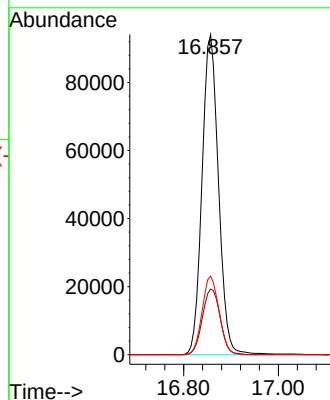
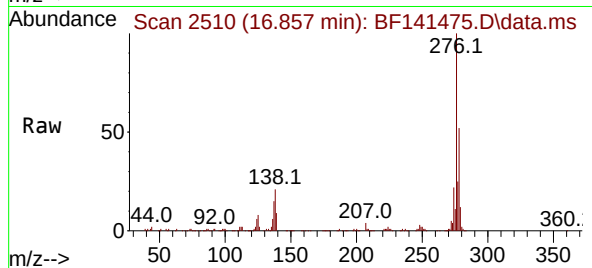




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2194
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

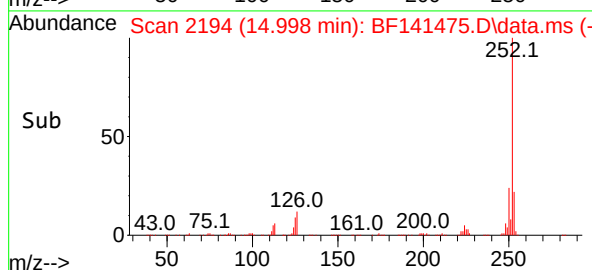
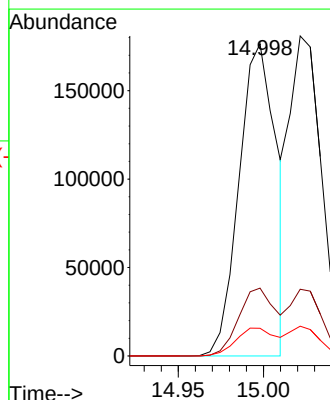
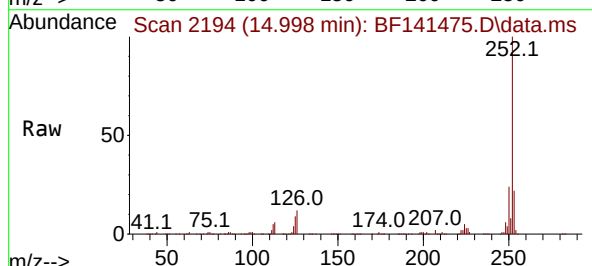
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

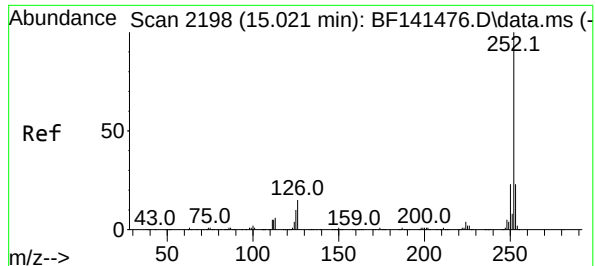
Tgt Ion:276 Resp: 227105
Ion Ratio Lower Upper
276 100
138 22.1 18.0 27.0
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 267695
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 8.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 21.747 ng

RT: 15.022 min Scan# 2198

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

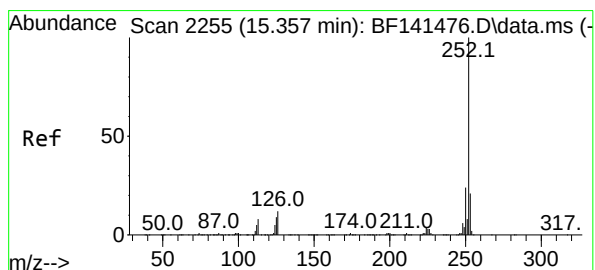
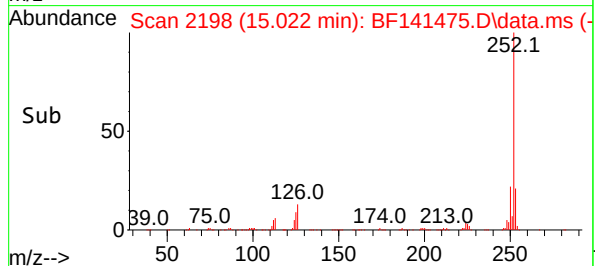
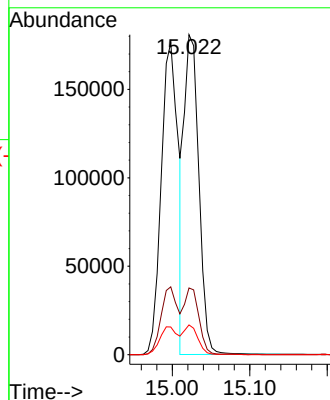
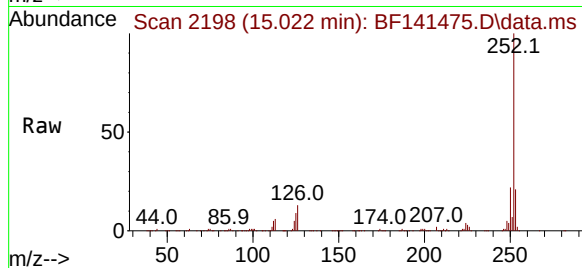
Tgt Ion:252 Resp: 238695

Ion Ratio Lower Upper

252 100

253 20.9 18.0 27.0

125 9.3 7.4 11.0



#90

Benzo(a)pyrene

Concen: 20.528 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

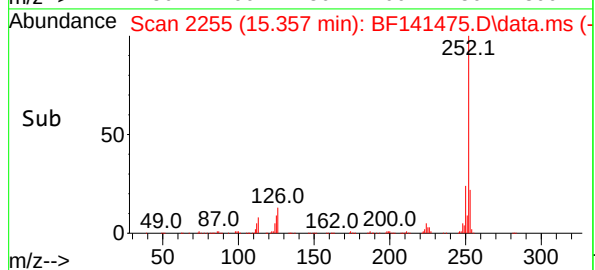
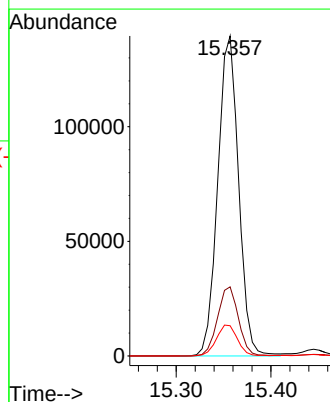
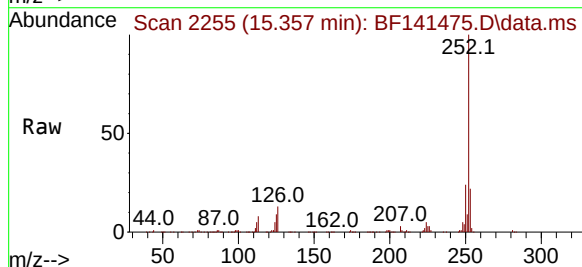
Tgt Ion:252 Resp: 213510

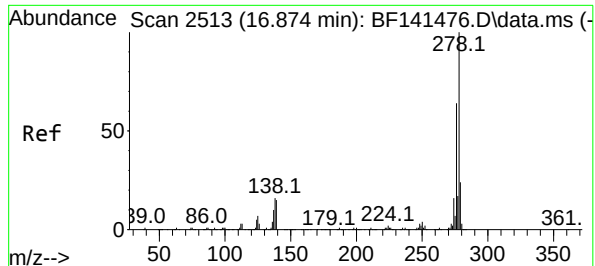
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 9.5 7.4 11.2

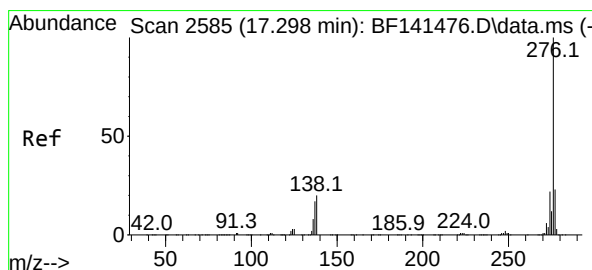
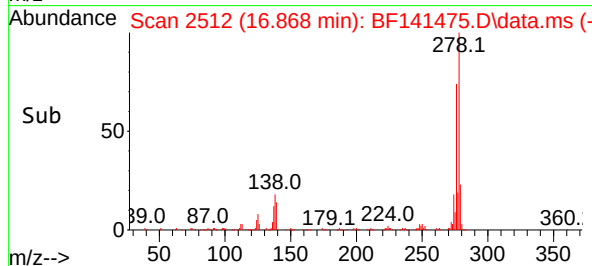
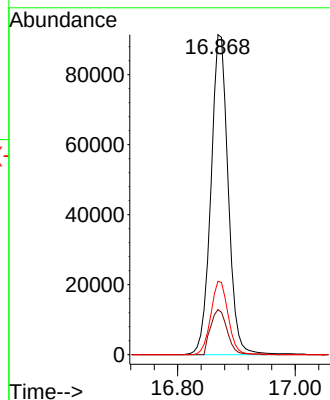
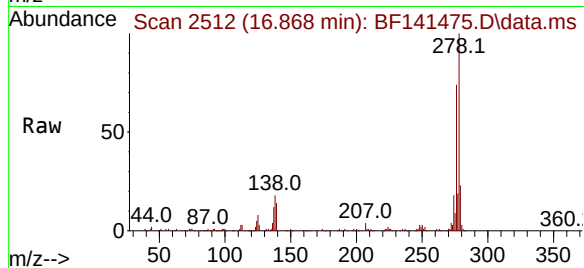




#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

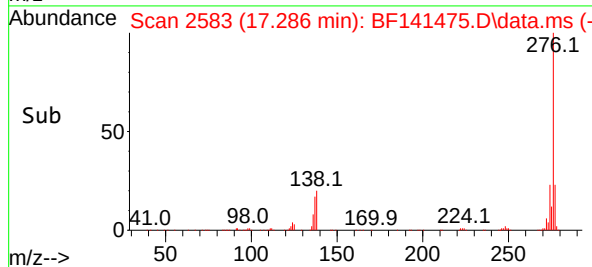
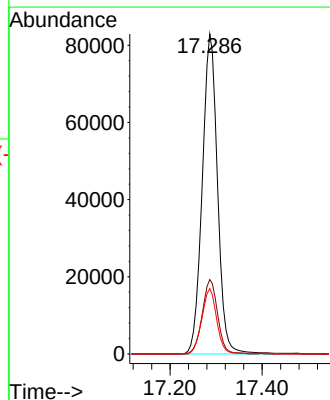
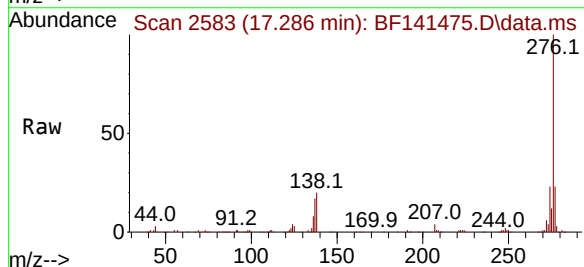
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 185740
Ion Ratio Lower Upper
278 100
139 14.1 11.8 17.6
279 23.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 191595
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 20.4 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141476.D
 Acq On : 06 Feb 2025 12:55
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89095	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	351555	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193385	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	336425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	225462	20.000	ng	0.00
86) Perylene-d12	15.415	264	182907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459422	80.841	ng	0.00
7) Phenol-d6	6.428	99	574808	80.025	ng	-0.01
23) Nitrobenzene-d5	7.357	82	540793	80.234	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	154725	79.647	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981440	78.189	ng	0.00
79) Terphenyl-d14	12.904	244	1080174	80.879	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	92090	40.262	ng	100
3) Pyridine	3.210	79	225032	41.344	ng	100
4) n-Nitrosodimethylamine	3.163	42	145802	40.456	ng	100
6) Aniline	6.451	93	274102	40.681	ng	100
8) 2-Chlorophenol	6.581	128	245676	40.008	ng	100
9) Benzaldehyde	6.339	77	146382	38.350	ng	100
10) Phenol	6.445	94	300315	40.171	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225665	40.188	ng	100
12) 1,3-Dichlorobenzene	6.728	146	256806	39.613	ng	100
13) 1,4-Dichlorobenzene	6.804	146	262121	39.574	ng	100
14) 1,2-Dichlorobenzene	6.963	146	244757	39.814	ng	100
15) Benzyl Alcohol	6.934	79	224961	40.841	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	385739	40.130	ng	100
17) 2-Methylphenol	7.051	107	191970	39.951	ng	100
18) Hexachloroethane	7.298	117	98581	40.215	ng	100
19) n-Nitroso-di-n-propyla...	7.204	70	172712	40.198	ng	100
20) 3+4-Methylphenols	7.204	107	244439	40.024	ng	100
22) Acetophenone	7.198	105	346731	39.649	ng	100
24) Nitrobenzene	7.375	77	263188	40.044	ng	100
25) Isophorone	7.610	82	429323	39.948	ng	100
26) 2-Nitrophenol	7.686	139	135355	41.394	ng	100
27) 2,4-Dimethylphenol	7.728	122	156665	41.012	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	276730	40.185	ng	100
29) 2,4-Dichlorophenol	7.939	162	208390	40.375	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	222679	39.619	ng	100
31) Naphthalene	8.092	128	729358	39.856	ng	100
32) Benzoic acid	7.857	122	161196	40.625	ng	100
33) 4-Chloroaniline	8.151	127	255749	40.029	ng	100
34) Hexachlorobutadiene	8.210	225	135140	40.051	ng	100
35) Caprolactam	8.516	113	65155	41.461	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	231344	40.464	ng	100
37) 2-Methylnaphthalene	8.786	142	470332	39.496	ng	100
38) 1-Methylnaphthalene	8.886	142	461189	39.987	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	225938	40.383	ng	100
41) Hexachlorocyclopentadiene	8.939	237	78762	42.325	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	145682	40.288	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141476.D
 Acq On : 06 Feb 2025 12:55
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

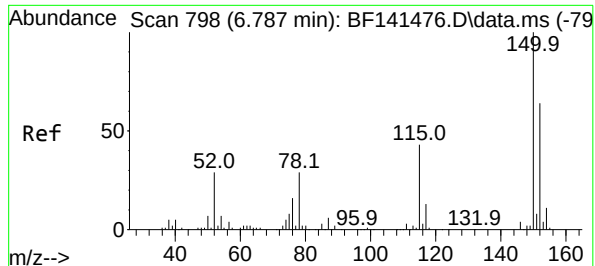
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	ng	100
50) Dimethylphthalate	9.551	163	520384	39.638	ng	100
51) 2,6-Dinitrotoluene	9.616	165	116338	40.536	ng	100
52) Acenaphthene	9.863	154	445515	40.186	ng	100
53) 3-Nitroaniline	9.786	138	123530	39.991	ng	100
54) 2,4-Dinitrophenol	9.892	184	68489	40.153	ng	100
55) Dibenzofuran	10.033	168	647242	39.775	ng	100
56) 4-Nitrophenol	9.957	139	96456	42.065	ng	100
57) 2,4-Dinitrotoluene	10.022	165	153824	40.262	ng	100
58) Fluorene	10.375	166	498929	39.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	134581	39.888	ng	100
60) Diethylphthalate	10.251	149	514358	39.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	240707	39.767	ng	100
62) 4-Nitroaniline	10.398	138	129392	41.253	ng	100
63) Azobenzene	10.527	77	512692	39.926	ng	100
65) 4,6-Dinitro-2-methylph...	10.427	198	95521	40.874	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421937	39.180	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	148603	39.522	ng	100
68) Hexachlorobenzene	10.927	284	152664	39.430	ng	100
69) Atrazine	11.016	200	124494	38.533	ng	100
70) Pentachlorophenol	11.122	266	103806	41.930	ng	100
71) Phenanthrene	11.339	178	729585	39.397	ng	100
72) Anthracene	11.392	178	728337	39.125	ng	100
73) Carbazole	11.551	167	663523	39.613	ng	100
74) Di-n-butylphthalate	11.880	149	767961	39.706	ng	100
75) Fluoranthene	12.527	202	774369	39.441	ng	100
77) Benzidine	12.651	184	238261	47.917	ng	100
78) Pyrene	12.757	202	786956	41.002	ng	100
80) Butylbenzylphthalate	13.380	149	274711	41.323	ng	100
81) Benzo(a)anthracene	13.945	228	606669	40.479	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	170181	39.640	ng	100
83) Chrysene	13.986	228	541376	39.121	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	310696	41.438	ng	100
85) Di-n-octyl phthalate	14.562	149	435142	40.682	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	471272	41.699	ng	100
88) Benzo(b)fluoranthene	14.998	252	488585	39.783	ng	100
89) Benzo(k)fluoranthene	15.021	252	417770	39.836	ng	100
90) Benzo(a)pyrene	15.357	252	395193	39.767	ng	100
91) Dibenzo(a,h)anthracene	16.874	278	384623	42.001	ng	100
92) Benzo(g,h,i)perylene	17.298	276	402413	41.992	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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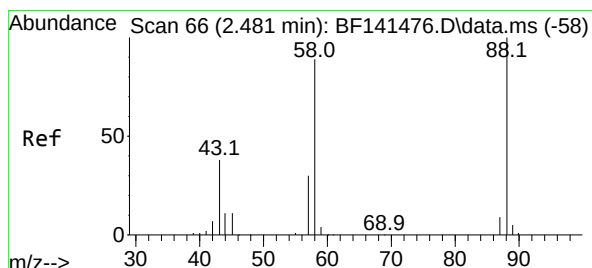
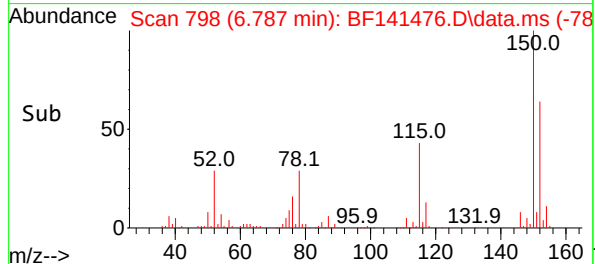
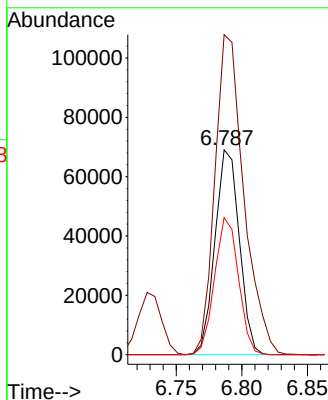
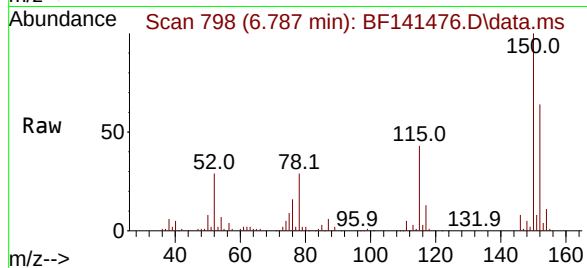




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

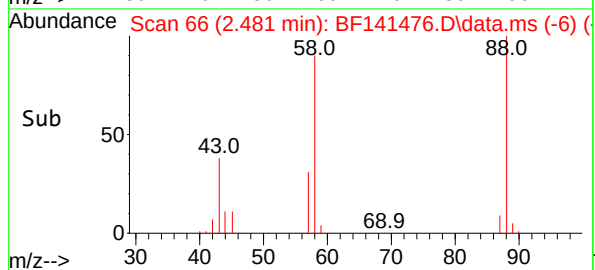
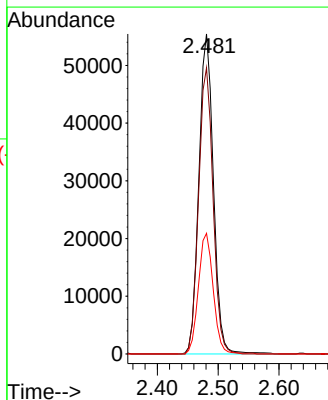
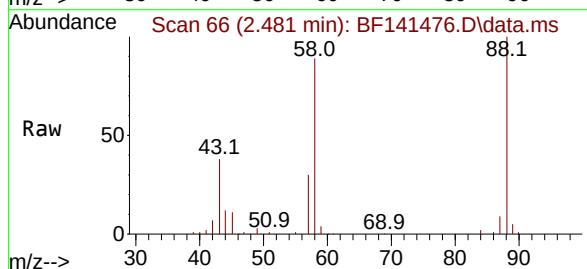
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ClientSampleId :
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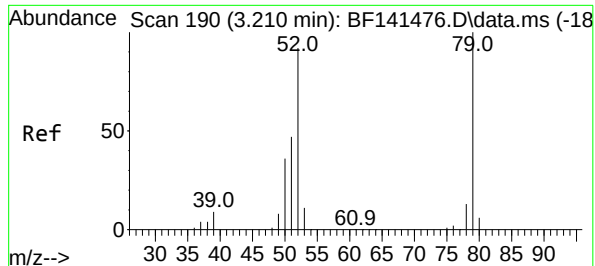
Tgt Ion:152 Resp: 89095
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 67.0 53.6 80.4



#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 88 Resp: 92090
Ion Ratio Lower Upper
88 100
58 88.9 71.1 106.7
43 38.3 30.6 46.0





#3

Pyridine

Concen: 41.344 ng

RT: 3.210 min Scan# 190

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

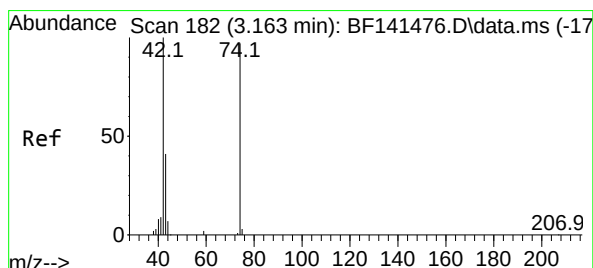
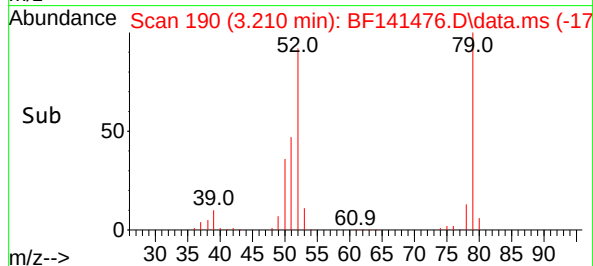
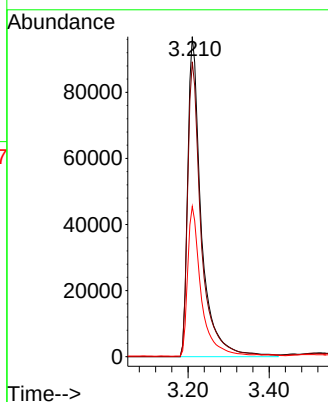
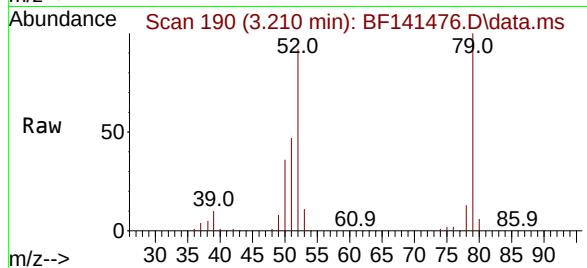
Tgt Ion: 79 Resp: 225032

Ion Ratio Lower Upper

79 100

52 92.1 73.7 110.5

51 46.9 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 40.456 ng

RT: 3.163 min Scan# 182

Delta R.T. -0.023 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

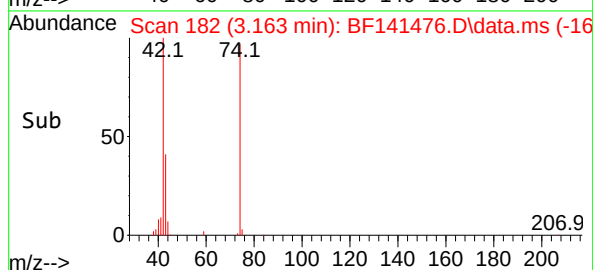
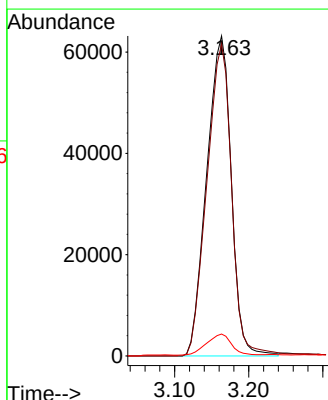
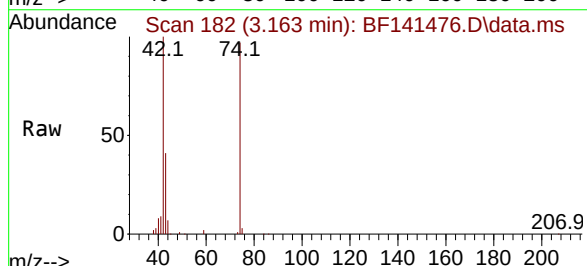
Tgt Ion: 42 Resp: 145802

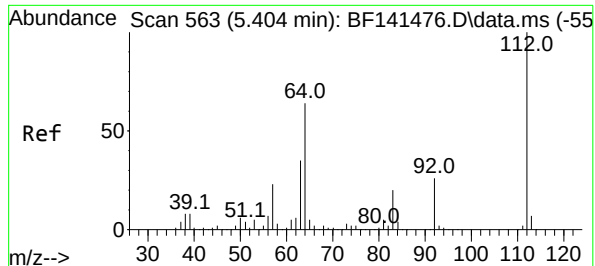
Ion Ratio Lower Upper

42 100

74 97.5 78.0 117.0

44 6.8 5.4 8.2

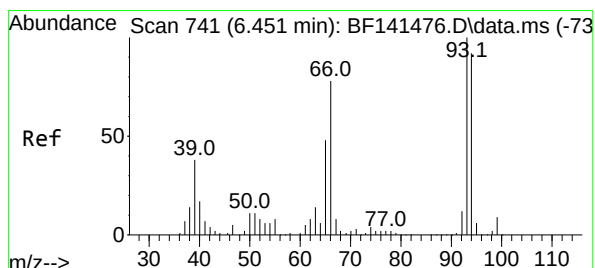
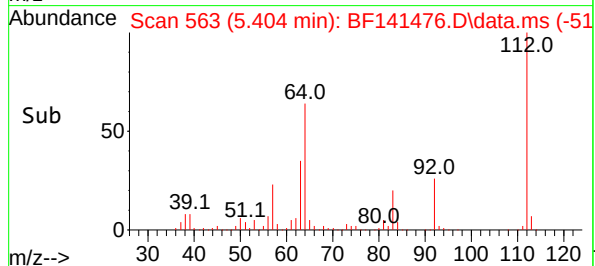
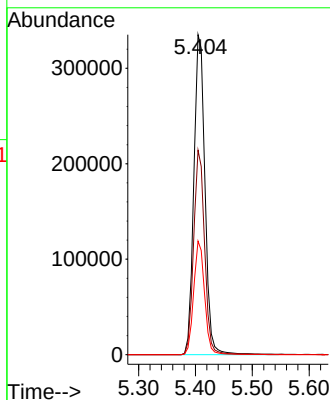
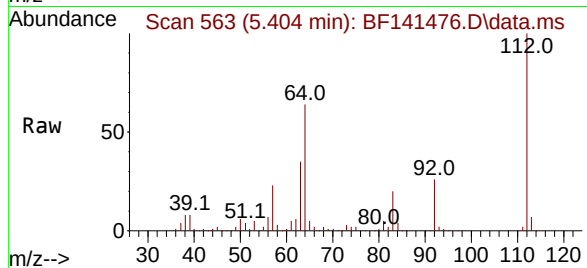




#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

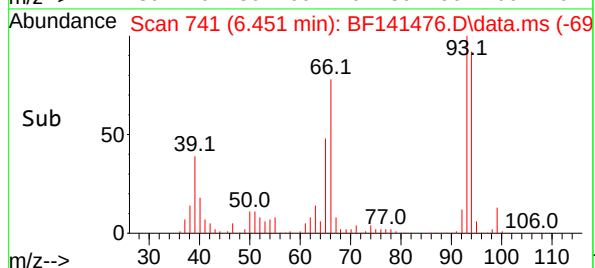
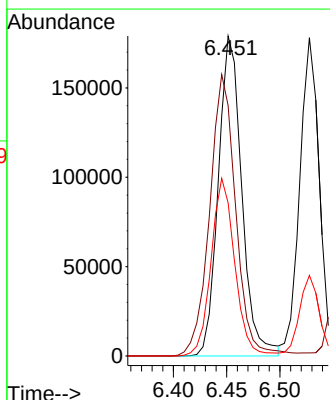
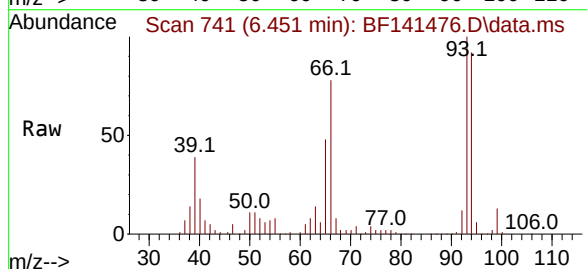
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ClientSampleId :
SSTDICCC040

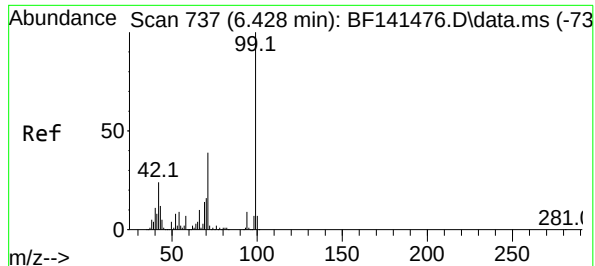
Tgt Ion:112 Resp: 459422
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 35.5 28.4 42.6



#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 274102
Ion Ratio Lower Upper
93 100
66 78.3 62.6 94.0
65 47.9 38.3 57.5





#7

Phenol-d6

Concen: 80.025 ng

RT: 6.428 min Scan# 737

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

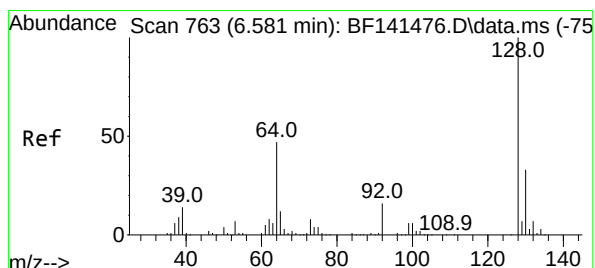
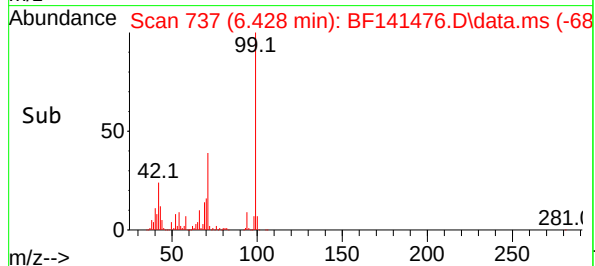
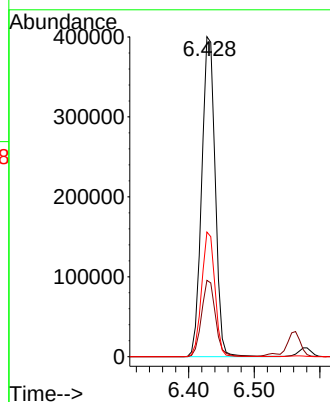
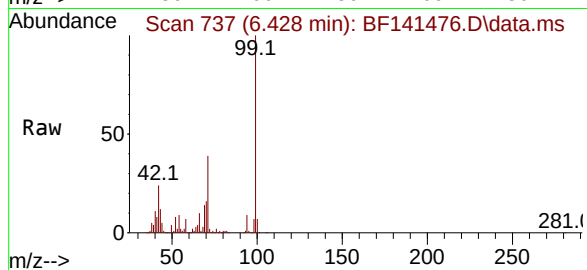
Tgt Ion: 99 Resp: 574808

Ion Ratio Lower Upper

99 100

42 23.9 19.1 28.7

71 38.9 31.1 46.7



#8

2-Chlorophenol

Concen: 40.008 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

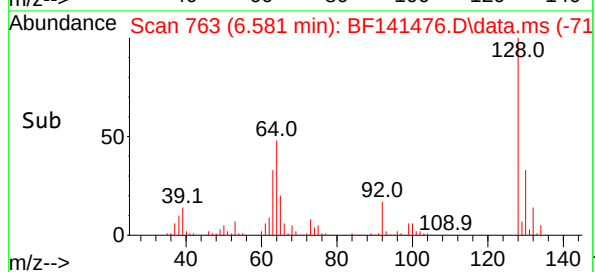
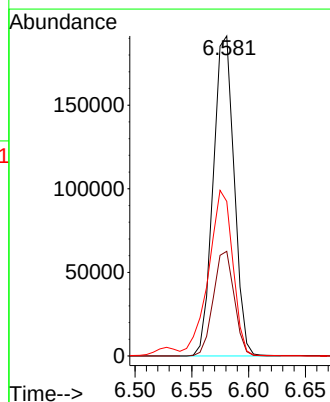
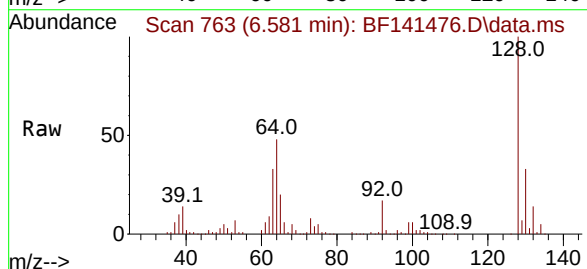
Tgt Ion: 128 Resp: 245676

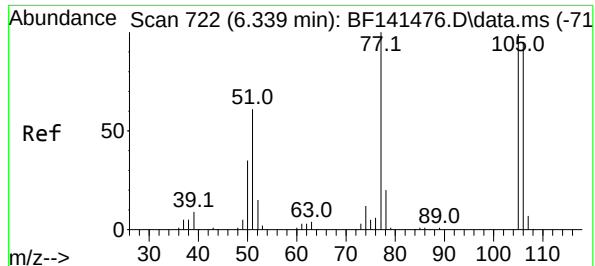
Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

64 48.3 28.3 68.3

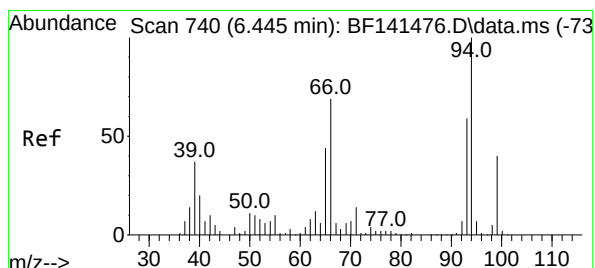
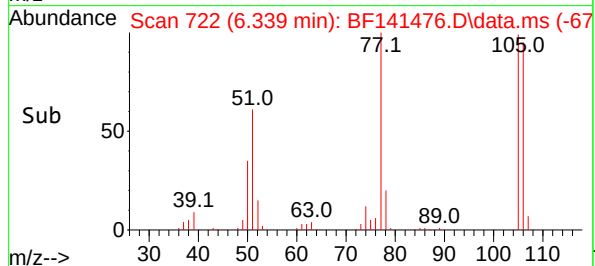
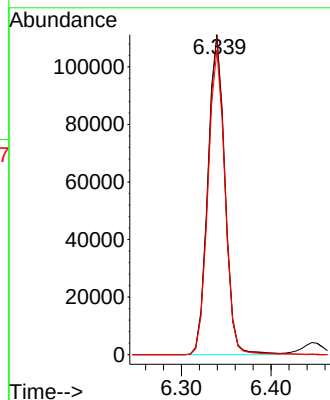
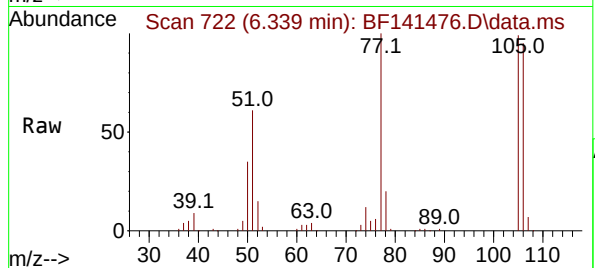




#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

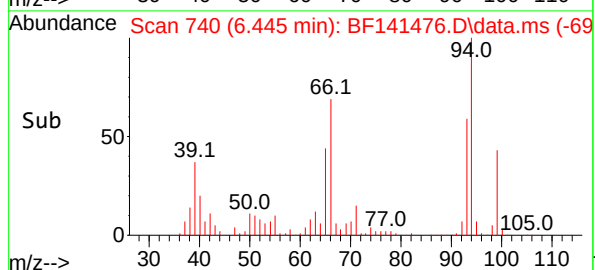
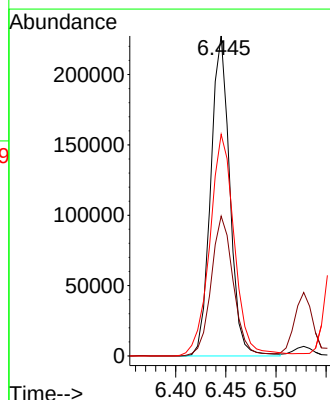
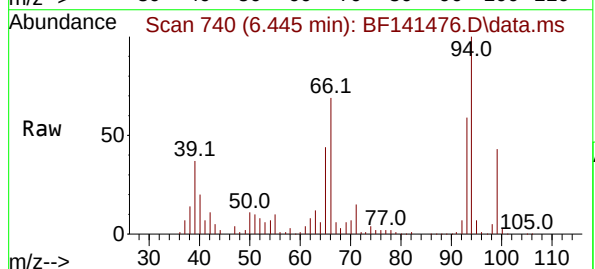
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ClientSampleId :
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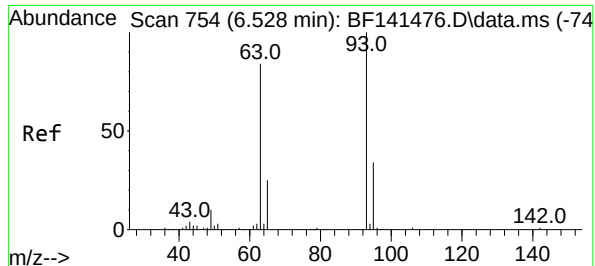
Tgt Ion: 77 Resp: 146382
Ion Ratio Lower Upper
77 100
105 99.4 79.4 119.4
106 95.1 75.1 115.1



#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 94 Resp: 300315
Ion Ratio Lower Upper
94 100
65 43.7 23.7 63.7
66 69.3 49.3 89.3

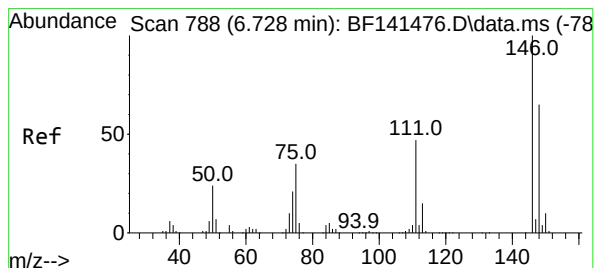
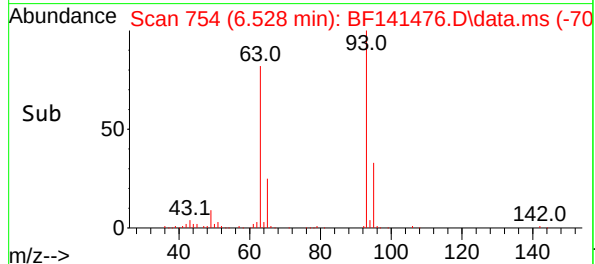
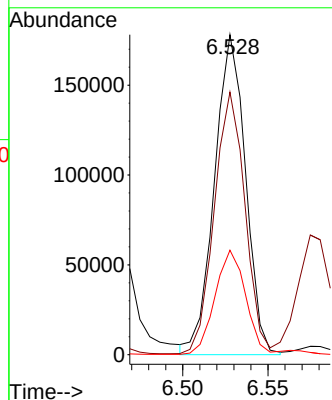
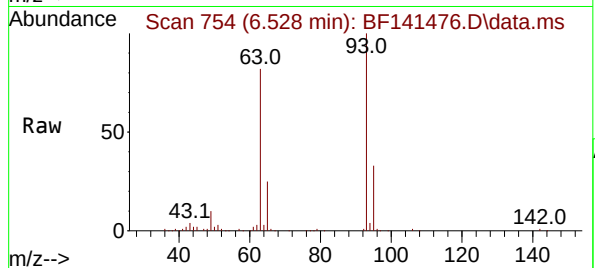




#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

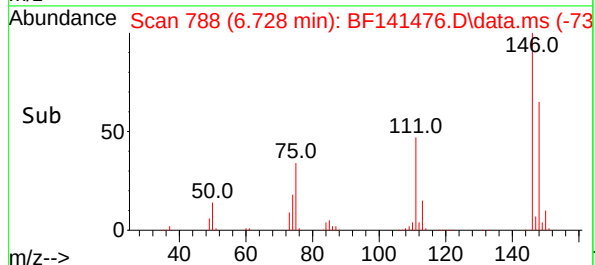
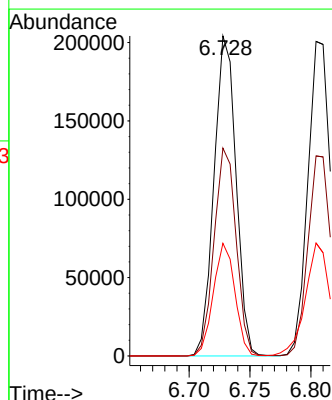
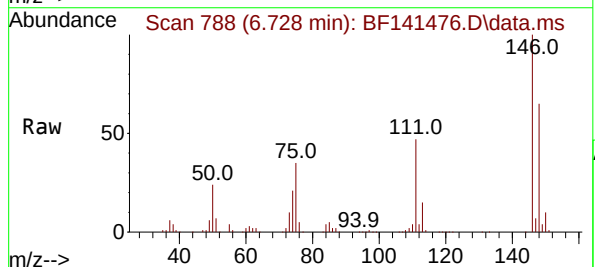
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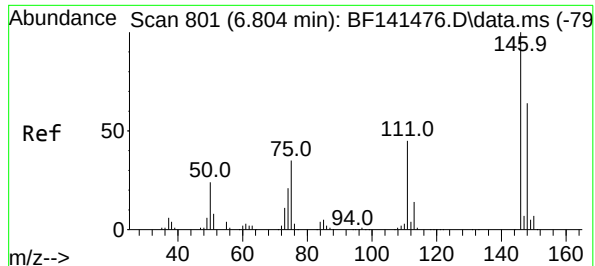
Tgt Ion: 93 Resp: 225665
Ion Ratio Lower Upper
93 100
63 82.0 62.0 102.0
95 32.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 146 Resp: 256806
Ion Ratio Lower Upper
146 100
148 64.9 51.9 77.9
75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.574 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

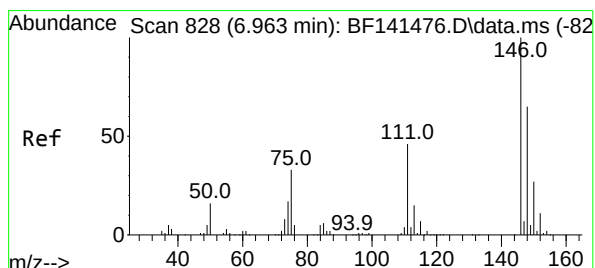
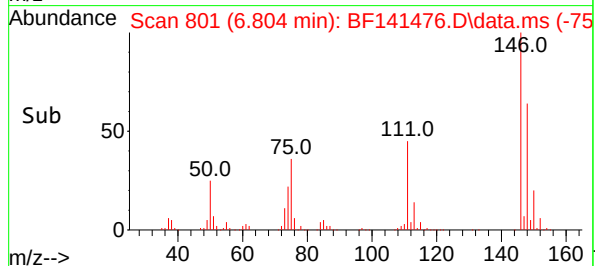
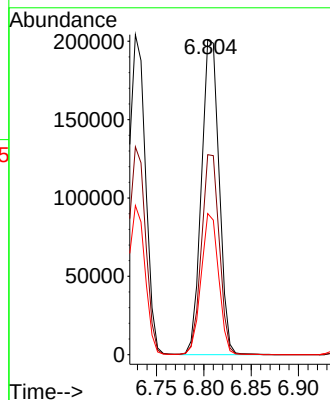
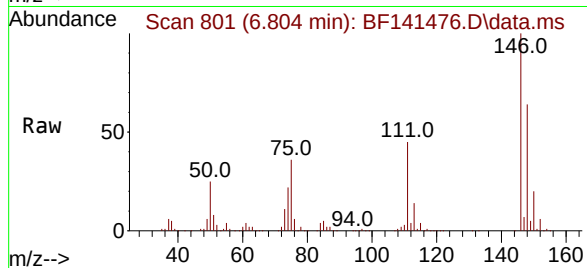
Tgt Ion:146 Resp: 262121

Ion Ratio Lower Upper

146 100

148 63.6 50.9 76.3

111 44.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 39.814 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

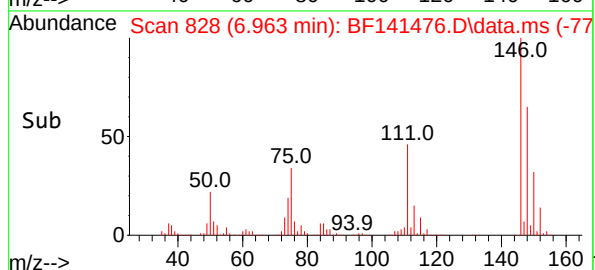
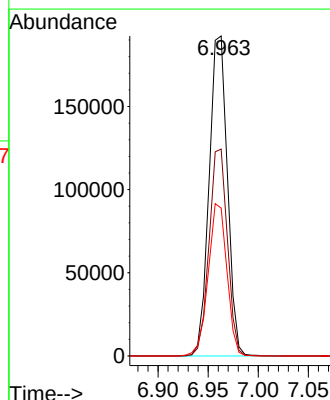
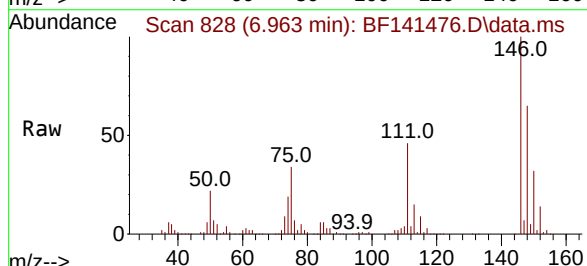
Tgt Ion:146 Resp: 244757

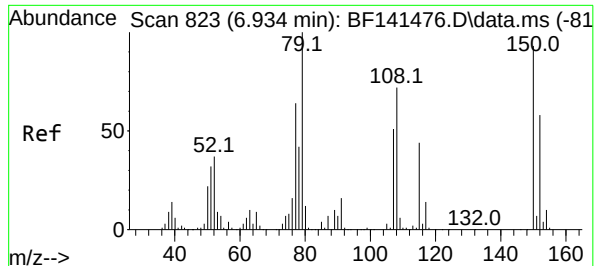
Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

111 46.2 37.0 55.4





#15

Benzyl Alcohol

Concen: 40.841 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

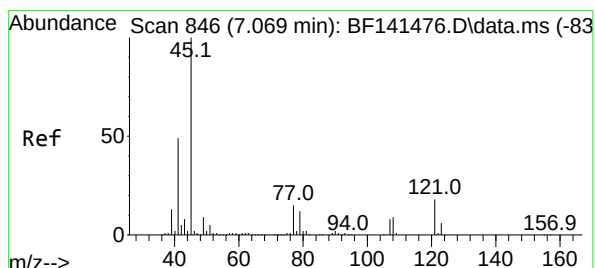
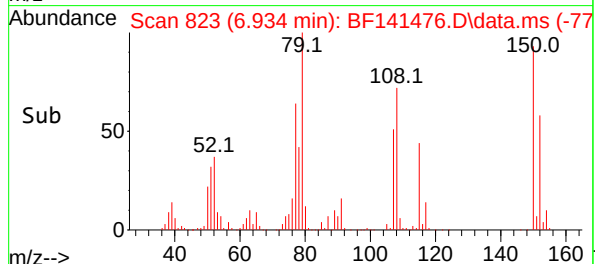
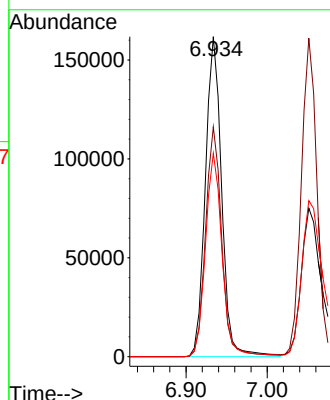
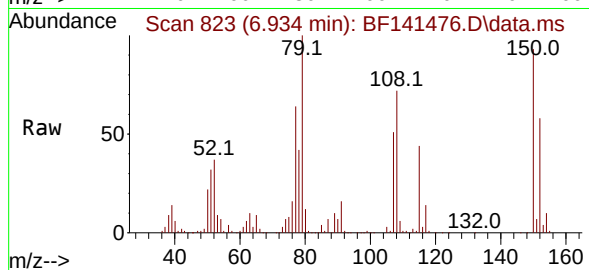
Tgt Ion: 79 Resp: 224961

Ion Ratio Lower Upper

79 100

108 71.8 57.4 86.2

77 63.6 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.130 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

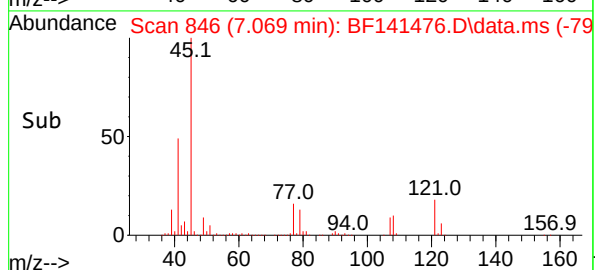
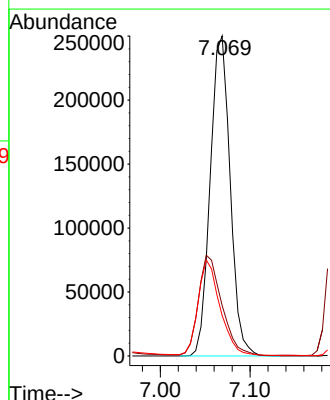
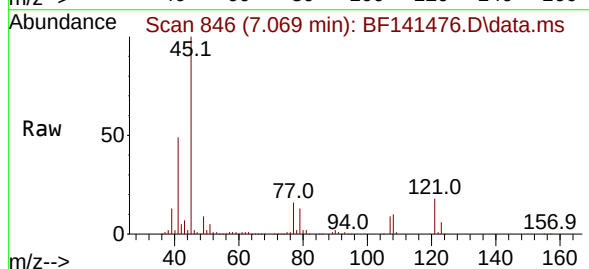
Tgt Ion: 45 Resp: 385739

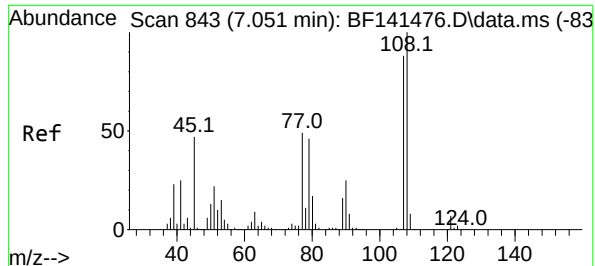
Ion Ratio Lower Upper

45 100

77 15.8 0.0 35.8

79 12.7 0.0 32.7

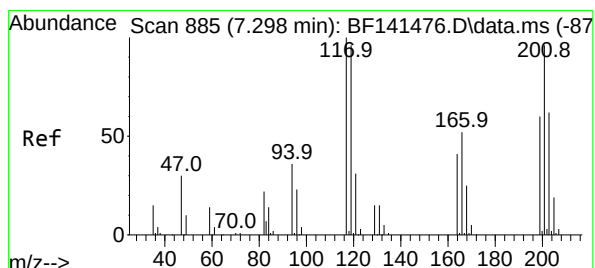
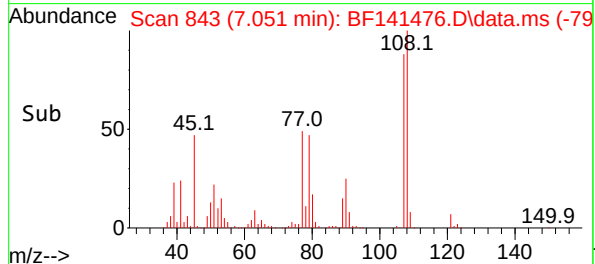
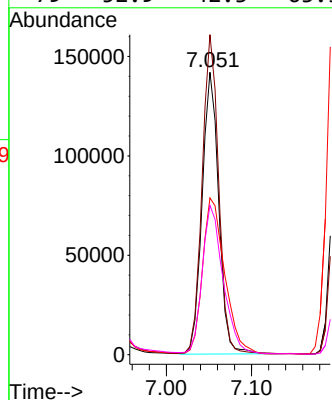
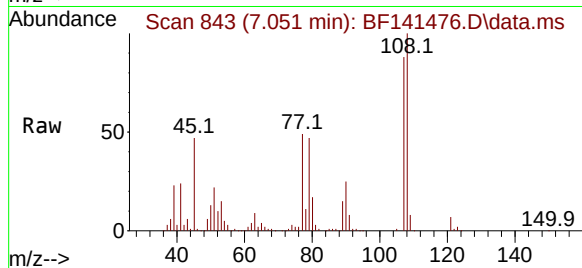




#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

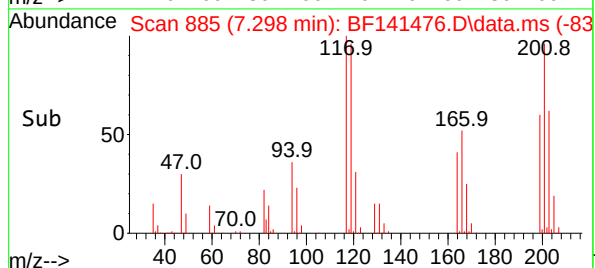
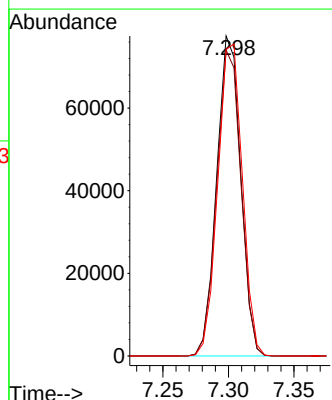
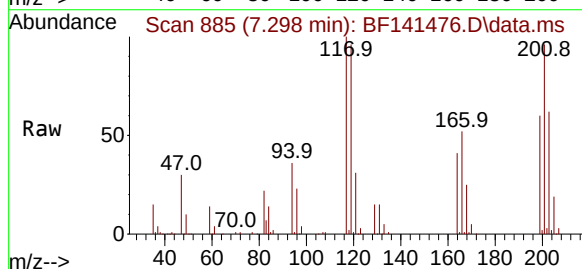
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

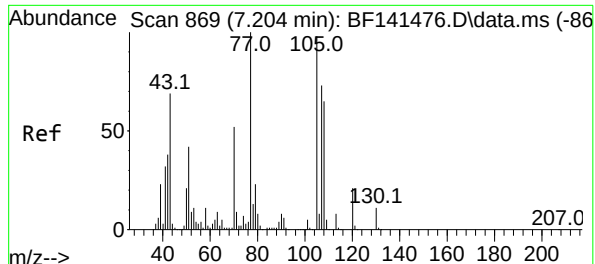
Tgt Ion:107 Resp: 191970
Ion Ratio Lower Upper
107 100
108 113.3 90.6 136.0
77 55.5 44.4 66.6
79 52.9 42.3 63.5



#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:117 Resp: 98581
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
201 95.9 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.198 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 172712

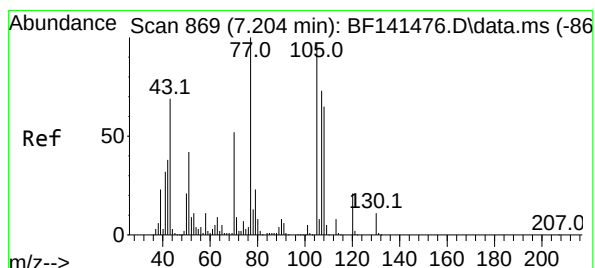
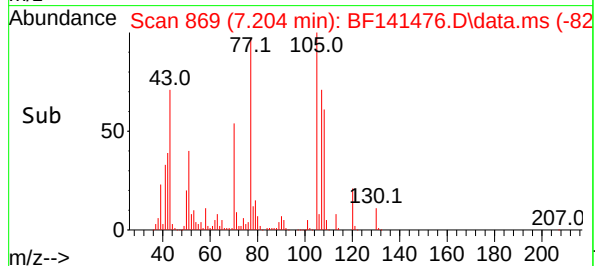
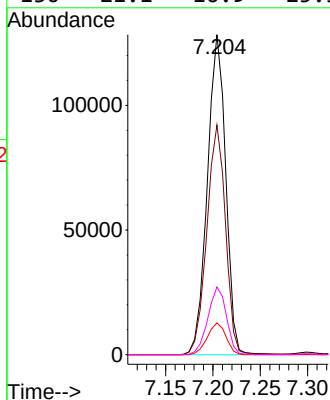
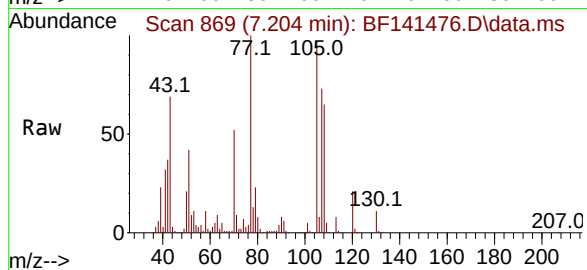
Ion Ratio Lower Upper

70 100

42 71.8 57.4 86.2

101 10.0 8.0 12.0

130 21.1 16.9 25.3



#20

3+4-Methylphenols

Concen: 40.024 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 244439

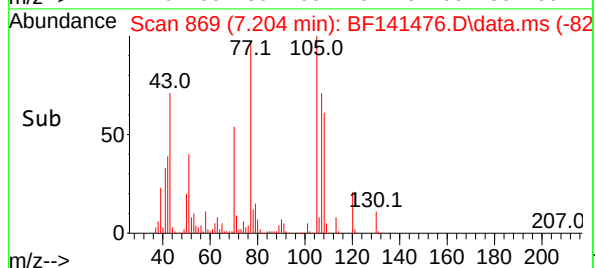
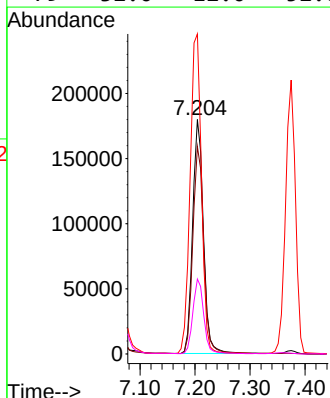
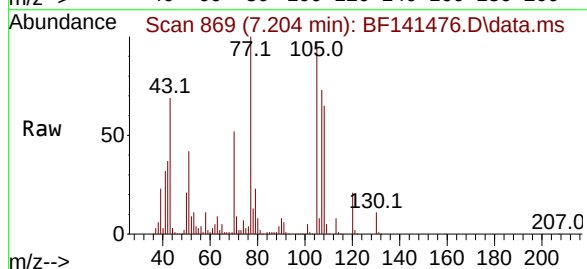
Ion Ratio Lower Upper

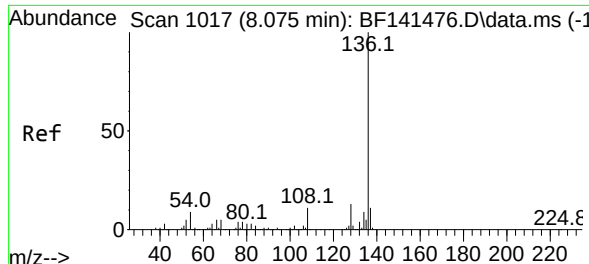
107 100

108 88.5 68.5 108.5

77 136.5 116.5 156.5

79 32.0 12.0 52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 351555

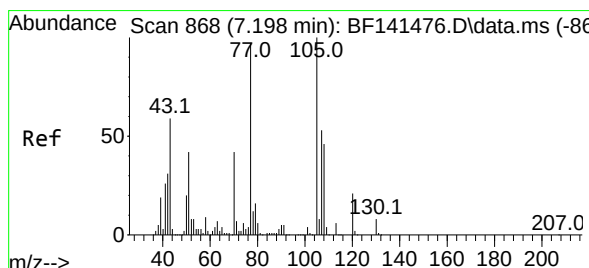
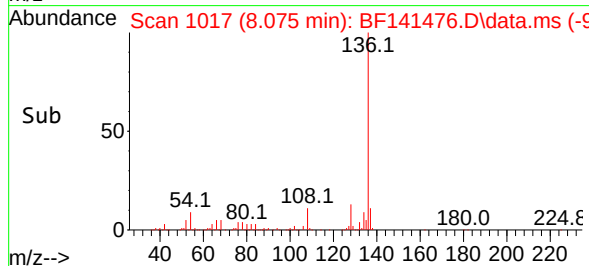
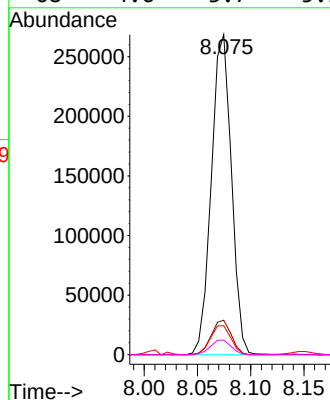
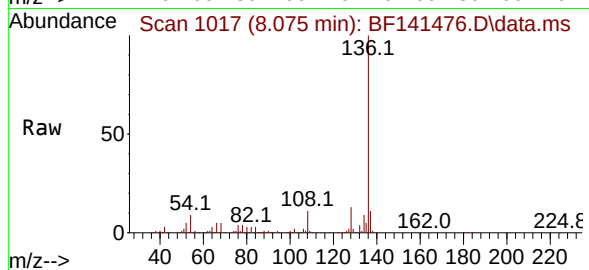
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.0 7.2 10.8

68 4.6 3.7 5.5



#22

Acetophenone

Concen: 39.649 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:105 Resp: 346731

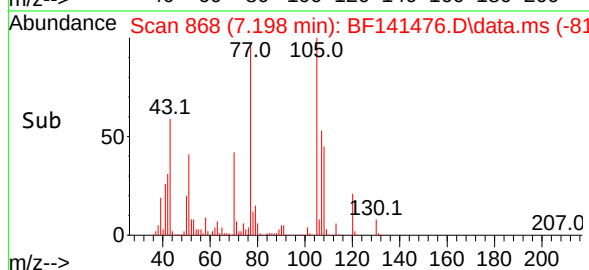
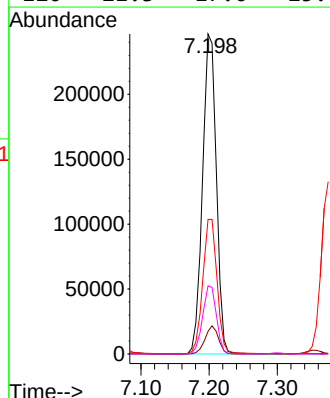
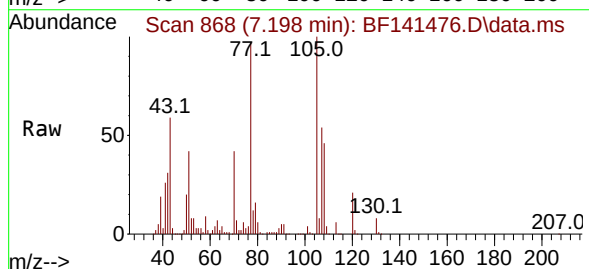
Ion Ratio Lower Upper

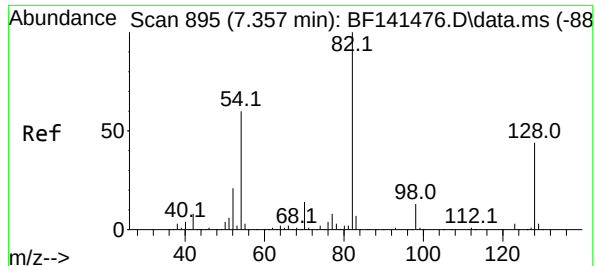
105 100

71 7.1 5.7 8.5

51 42.1 33.7 50.5

120 21.3 17.0 25.6





#23

Nitrobenzene-d5

Concen: 80.234 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

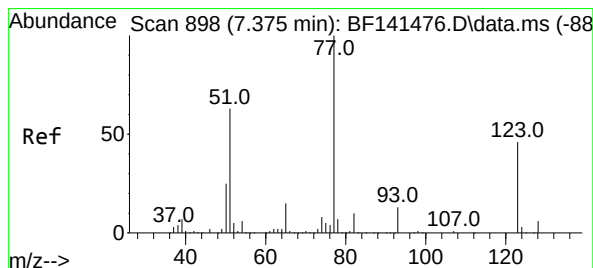
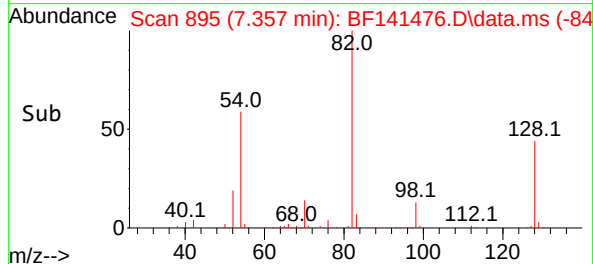
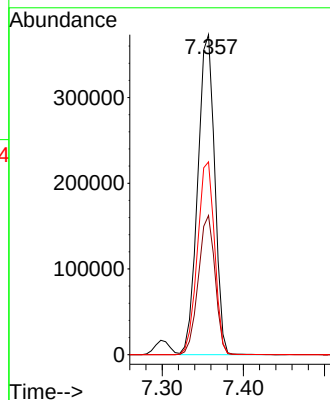
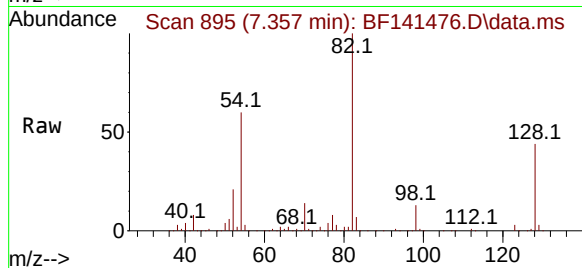
Tgt Ion: 82 Resp: 540793

Ion Ratio Lower Upper

82 100

128 43.5 34.8 52.2

54 60.3 48.2 72.4



#24

Nitrobenzene

Concen: 40.044 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

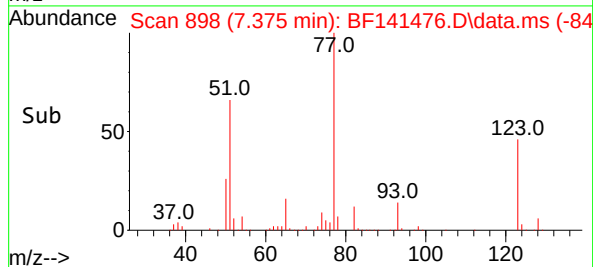
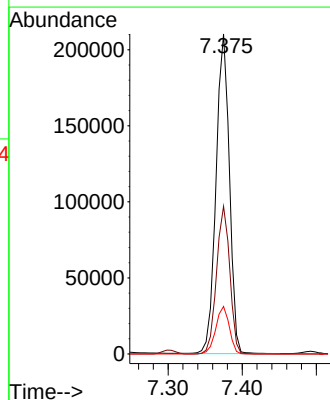
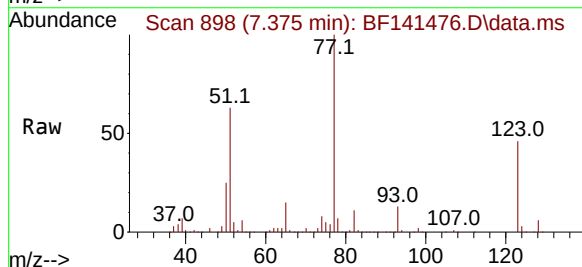
Tgt Ion: 77 Resp: 263188

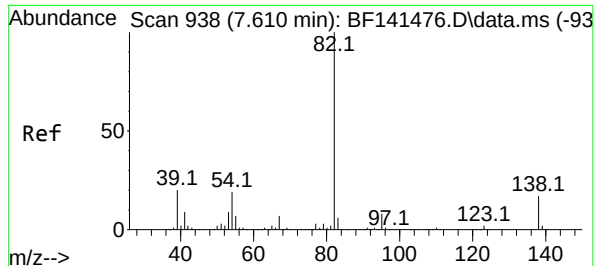
Ion Ratio Lower Upper

77 100

123 46.1 36.9 55.3

65 14.9 11.9 17.9

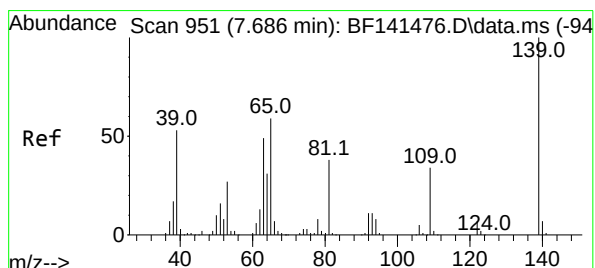
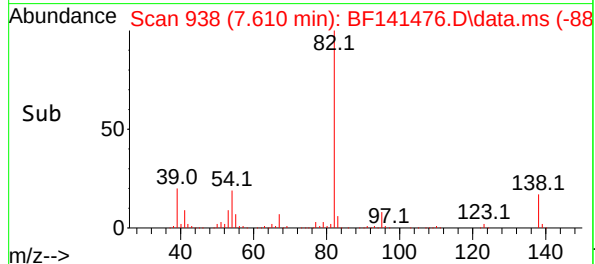
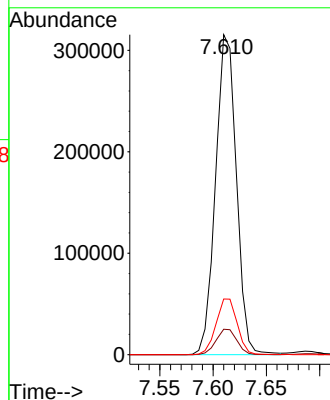
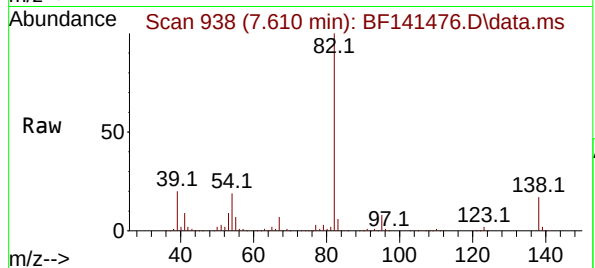




#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

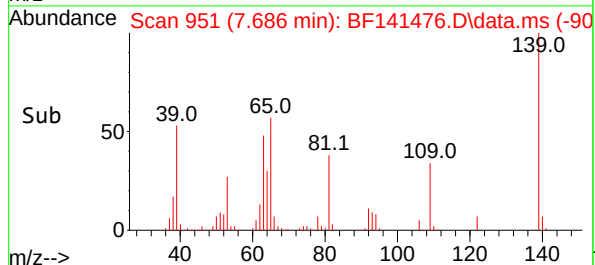
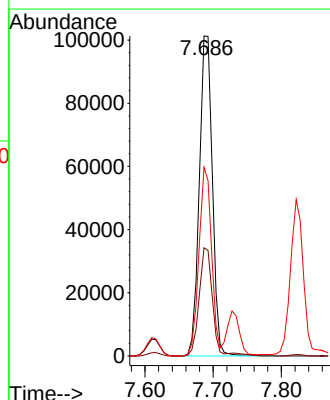
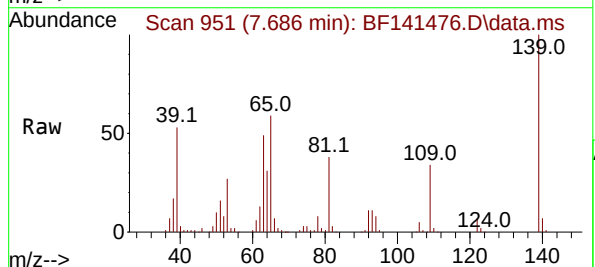
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

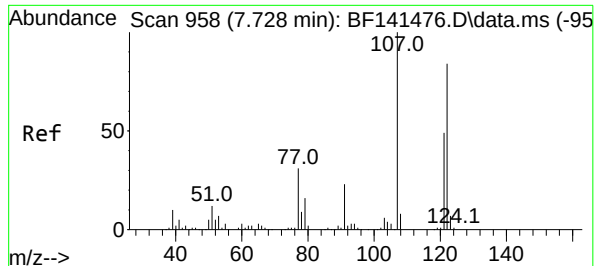
Tgt Ion: 82 Resp: 429323
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 17.4 13.9 20.9



#26
2-Nitrophenol
Concen: 41.394 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 139 Resp: 135355
Ion Ratio Lower Upper
139 100
109 33.8 27.0 40.6
65 58.9 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 41.012 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

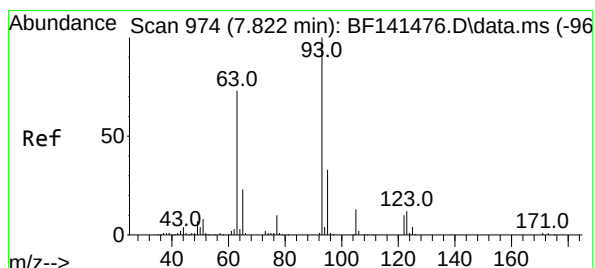
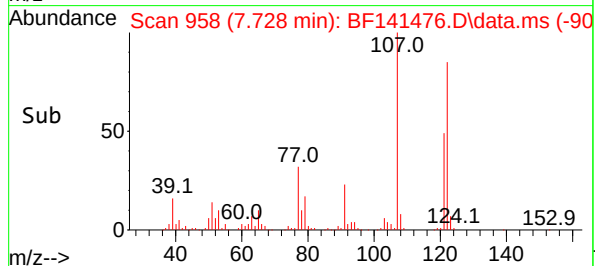
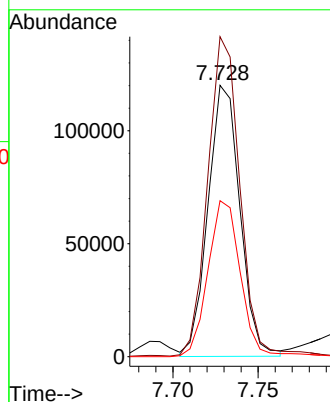
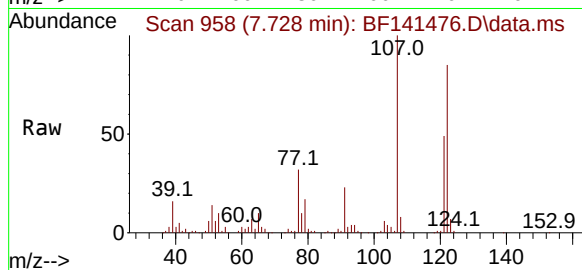
Tgt Ion:122 Resp: 156665

Ion Ratio Lower Upper

122 100

107 117.9 94.3 141.5

121 57.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 40.185 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

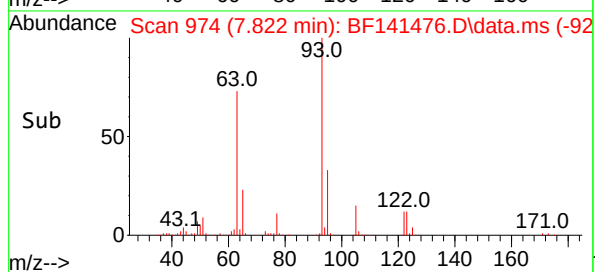
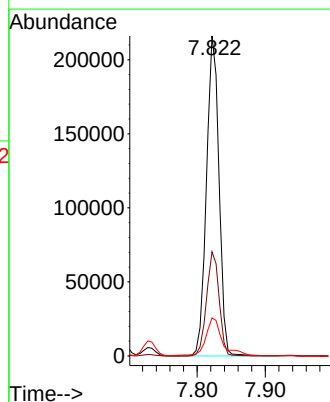
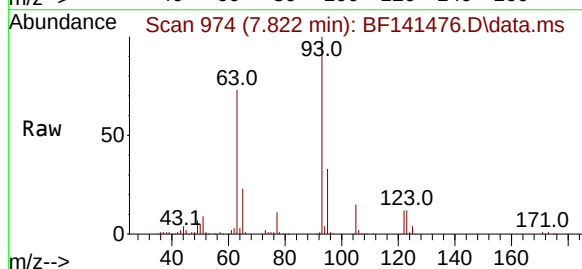
Tgt Ion: 93 Resp: 276730

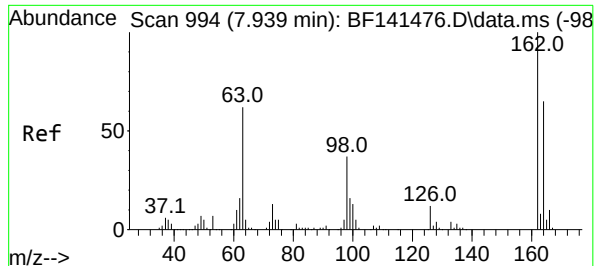
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.375 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

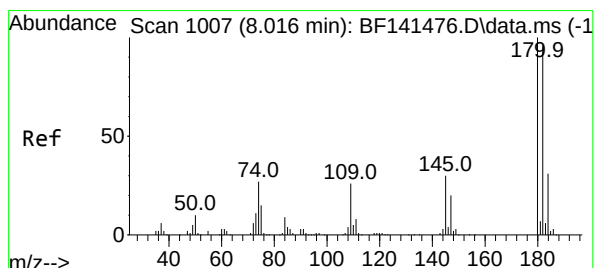
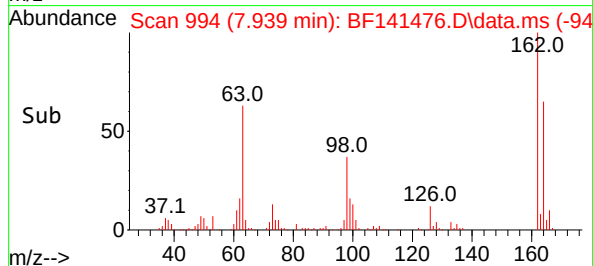
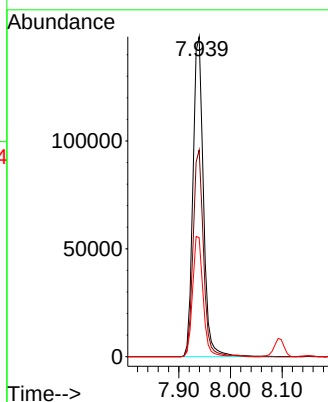
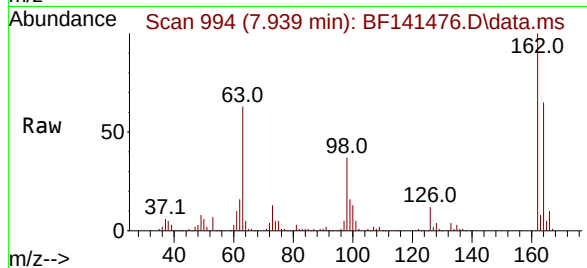
Tgt Ion:162 Resp: 208390

Ion Ratio Lower Upper

162 100

164 64.6 44.6 84.6

98 37.2 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 39.619 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

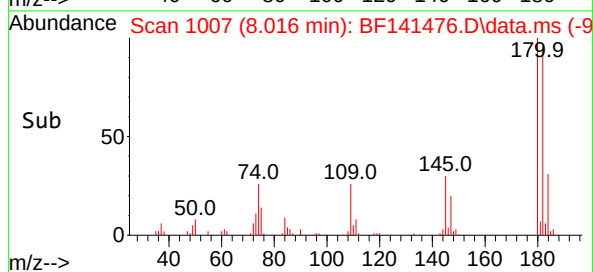
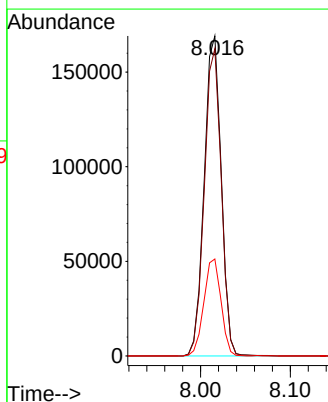
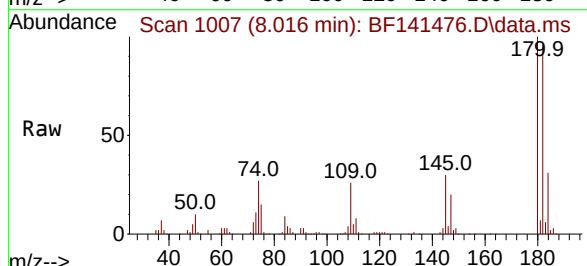
Tgt Ion:180 Resp: 222679

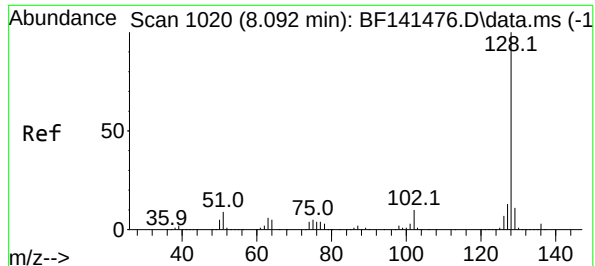
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.3 24.2 36.4





#31

Naphthalene

Concen: 39.856 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

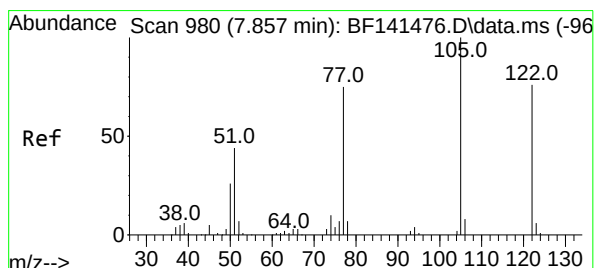
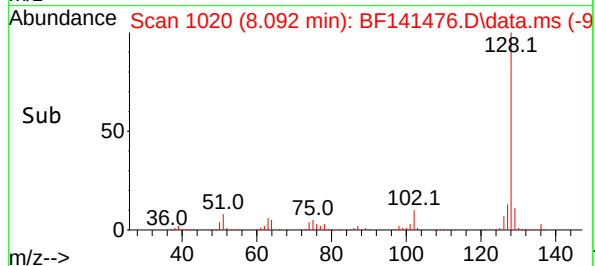
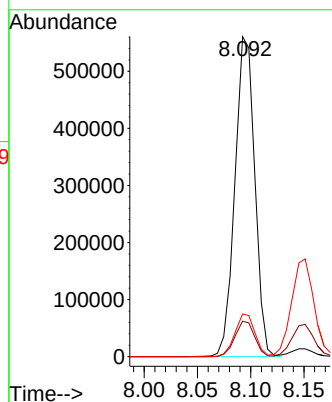
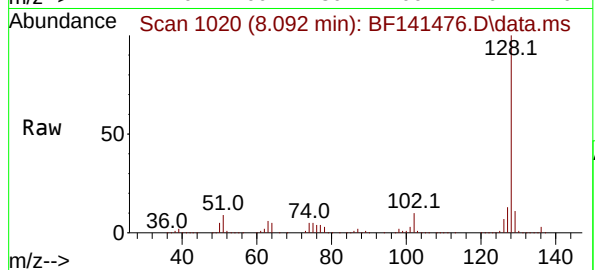
Tgt Ion:128 Resp: 729358

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.4 10.7 16.1



#32

Benzoic acid

Concen: 40.625 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

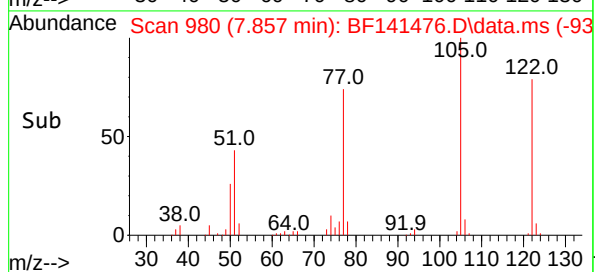
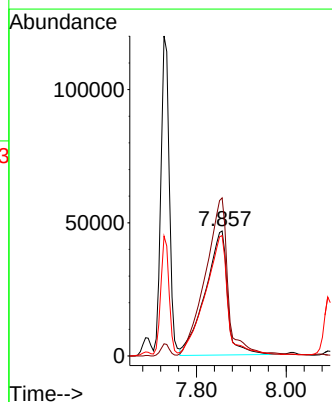
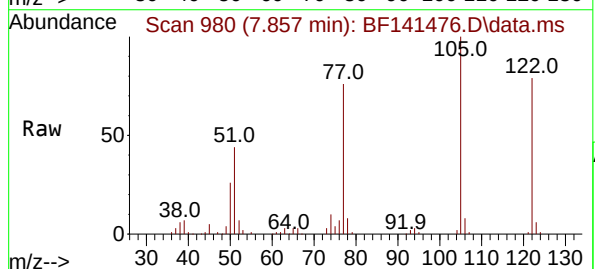
Tgt Ion:122 Resp: 161196

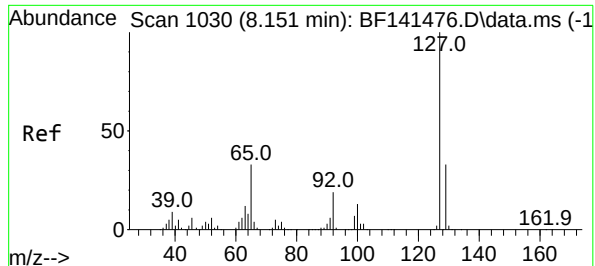
Ion Ratio Lower Upper

122 100

105 126.5 106.5 146.5

77 96.3 76.3 116.3





#33

4-Chloroaniline

Concen: 40.029 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 255749

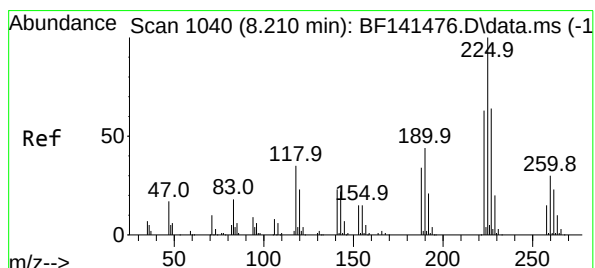
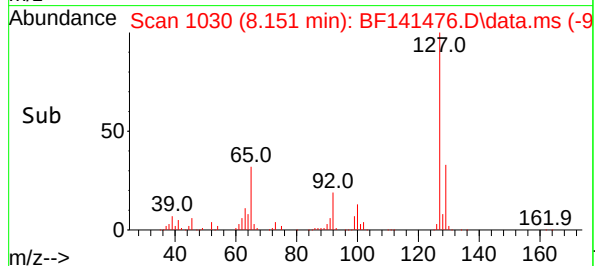
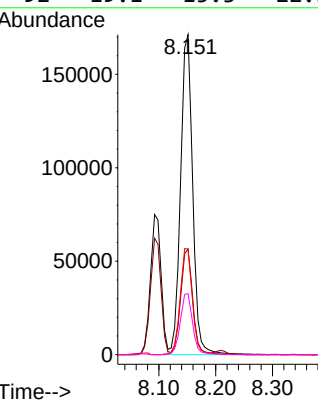
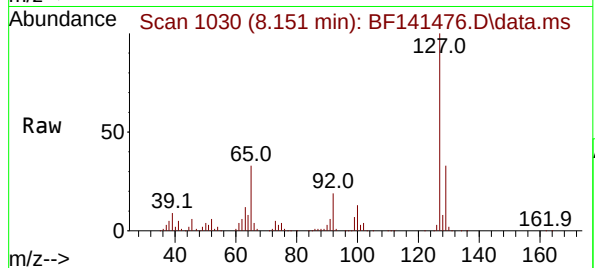
Ion Ratio Lower Upper

127 100

129 33.1 26.5 39.7

65 33.0 26.4 39.6

92 19.1 15.3 22.9



#34

Hexachlorobutadiene

Concen: 40.051 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

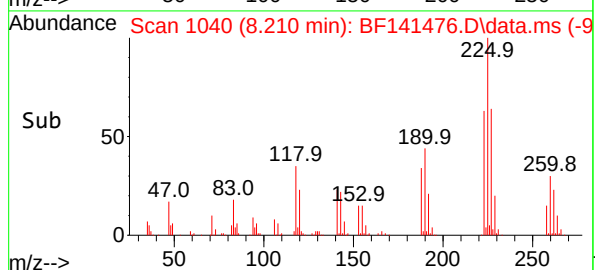
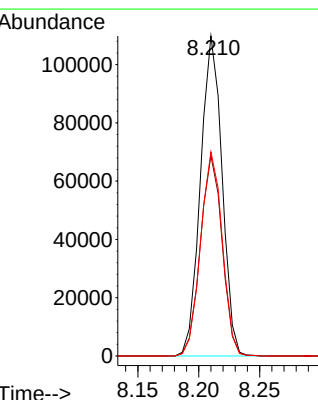
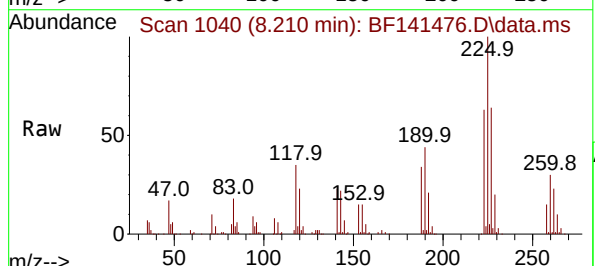
Tgt Ion:225 Resp: 135140

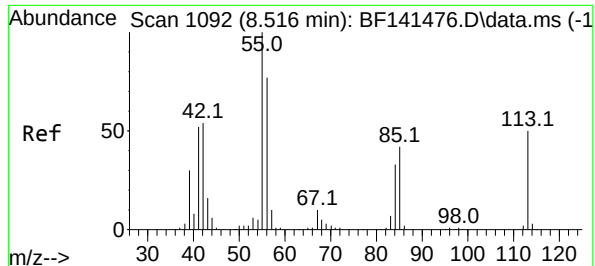
Ion Ratio Lower Upper

225 100

223 62.6 50.1 75.1

227 63.8 51.0 76.6





#35

Caprolactam

Concen: 41.461 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.029 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

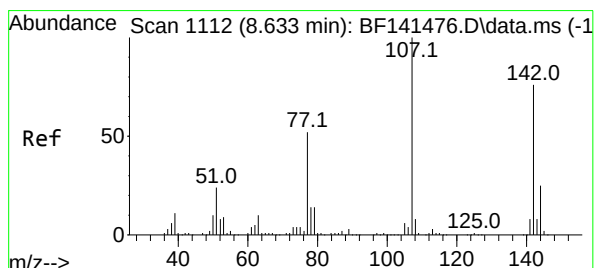
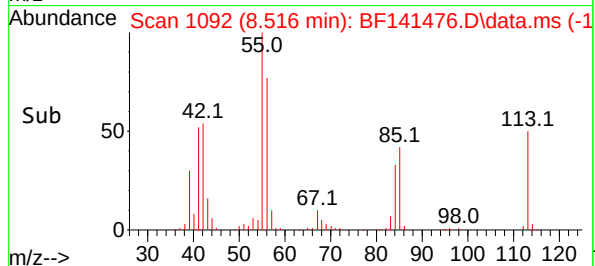
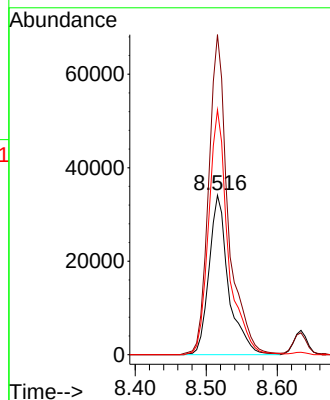
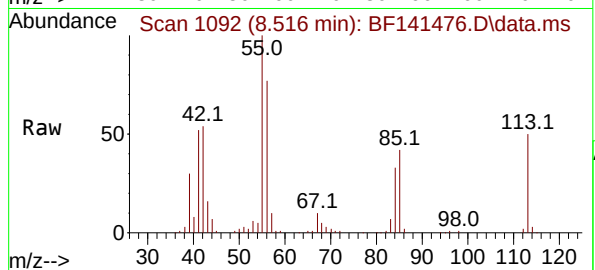
Tgt Ion:113 Resp: 65155

Ion Ratio Lower Upper

113 100

55 200.8 180.8 220.8

56 153.6 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 40.464 ng

RT: 8.633 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

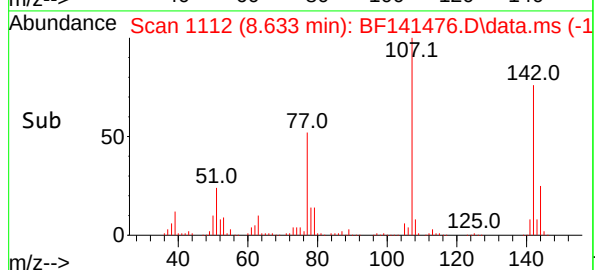
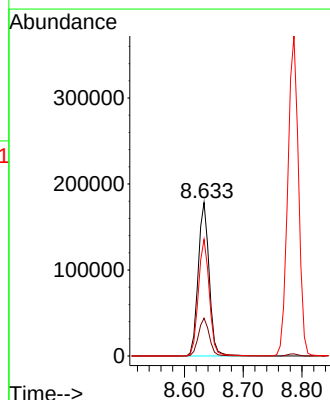
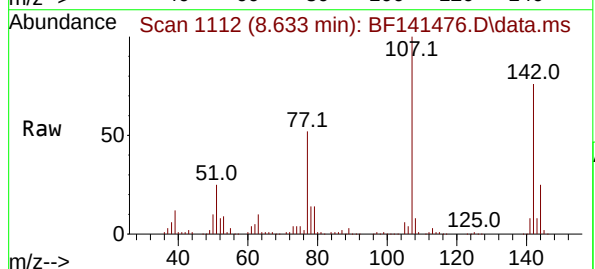
Tgt Ion:107 Resp: 231344

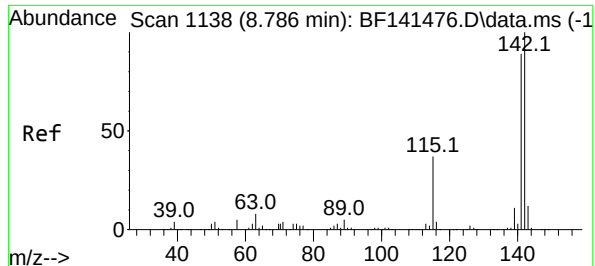
Ion Ratio Lower Upper

107 100

144 24.6 19.7 29.5

142 76.0 60.8 91.2





#37

2-Methylnaphthalene

Concen: 39.496 ng

RT: 8.786 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

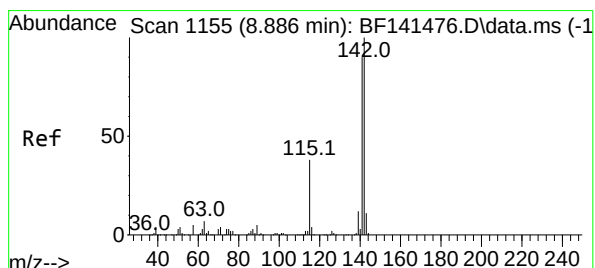
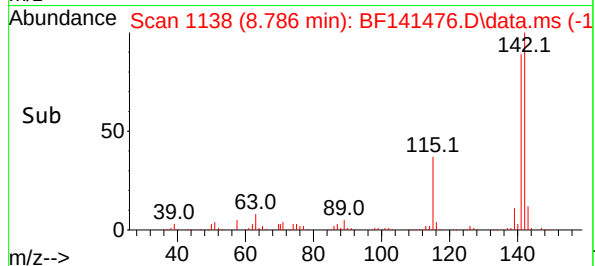
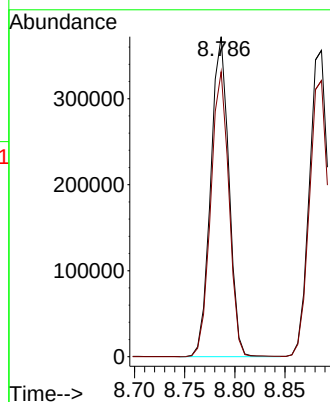
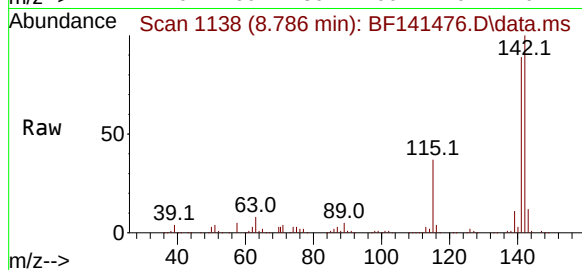
SSTDICCC040

Tgt Ion:142 Resp: 470332

Ion Ratio Lower Upper

142 100

141 89.0 71.2 106.8



#38

1-Methylnaphthalene

Concen: 39.987 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF141476.D

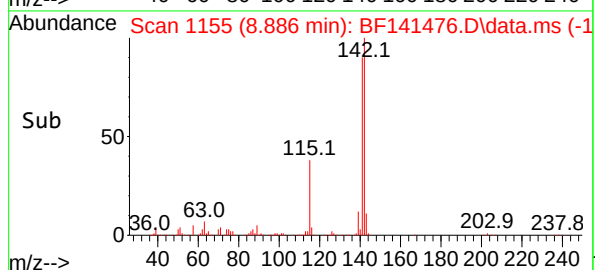
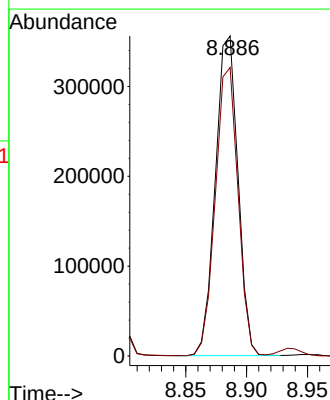
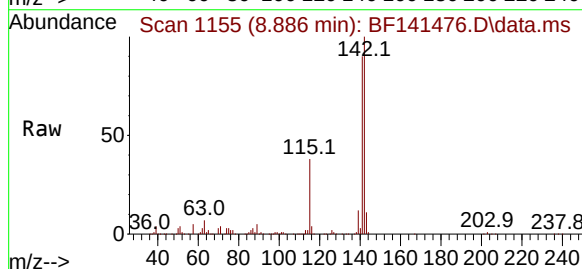
Acq: 06 Feb 2025 12:55

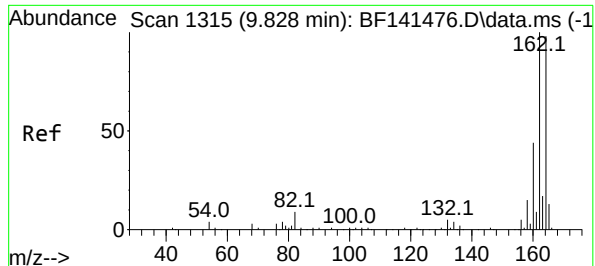
Tgt Ion:142 Resp: 461189

Ion Ratio Lower Upper

142 100

141 90.1 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

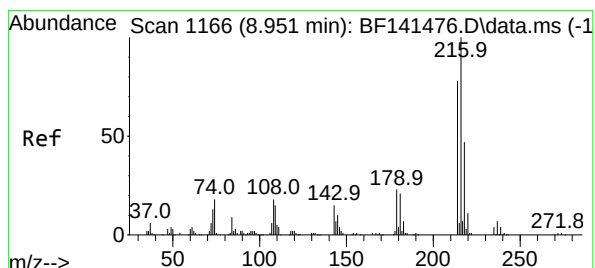
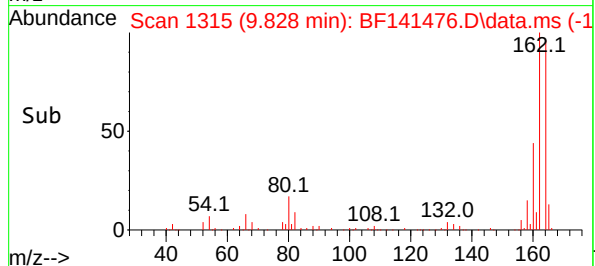
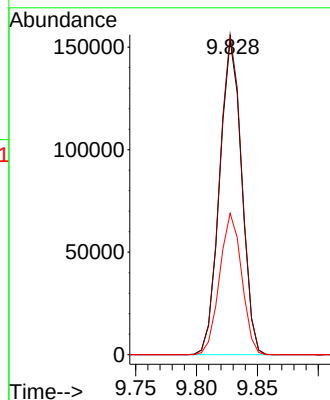
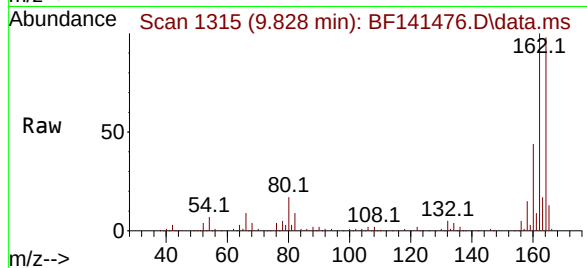
Tgt Ion:164 Resp: 193385

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

160 44.9 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.383 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:216 Resp: 225938

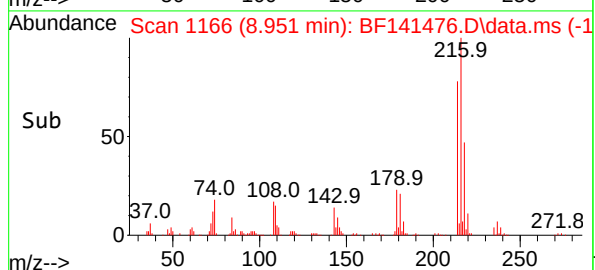
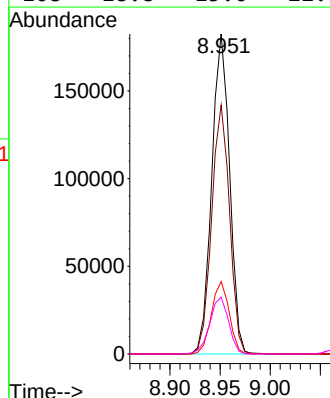
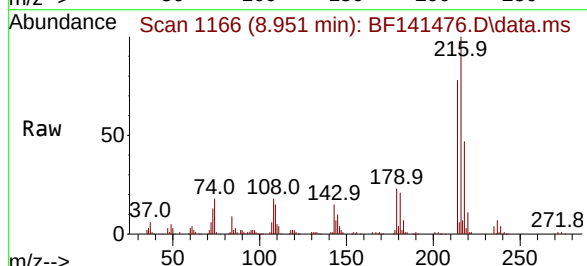
Ion Ratio Lower Upper

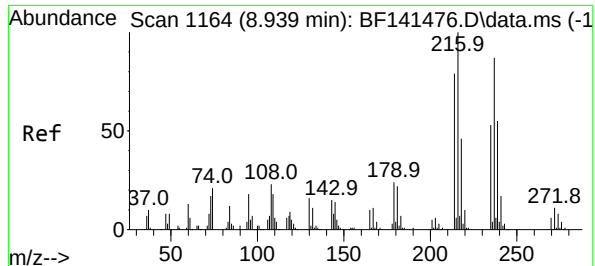
216 100

214 77.9 62.3 93.5

179 22.5 18.0 27.0

108 18.8 15.0 22.6

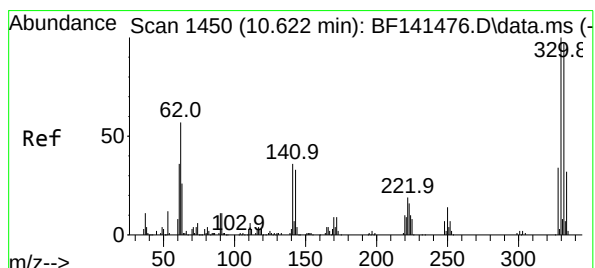
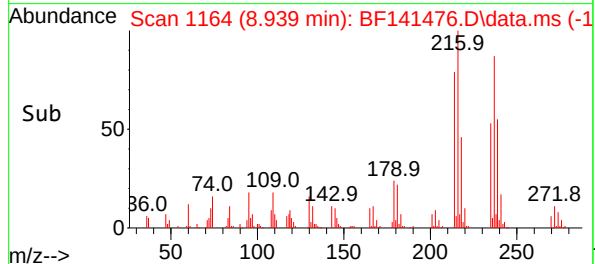
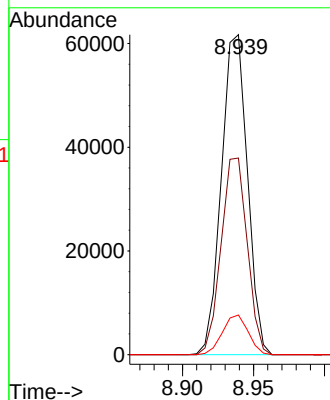
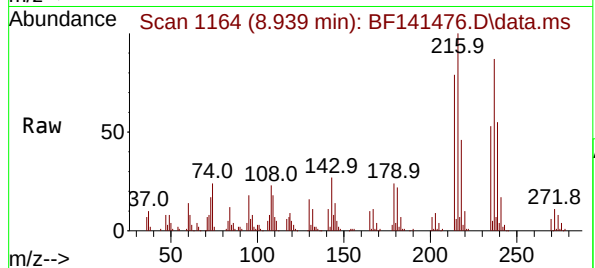




#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

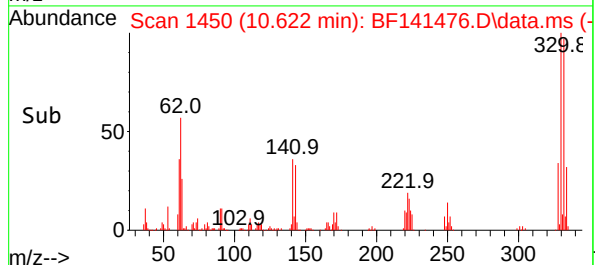
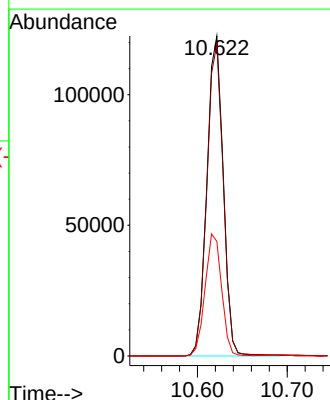
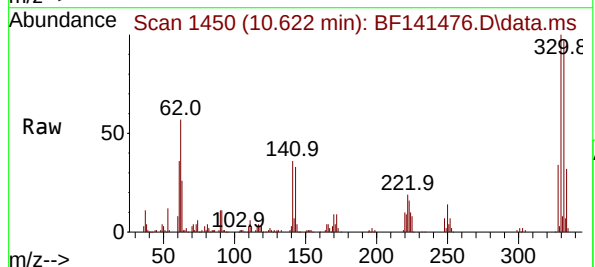
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

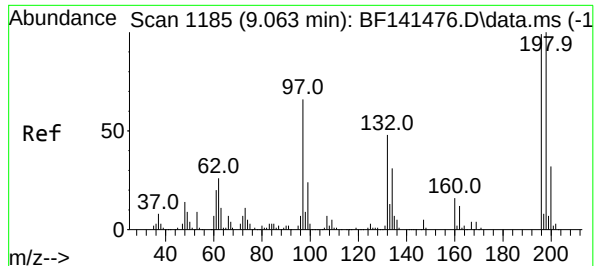
Tgt Ion: 237 Resp: 78762
Ion Ratio Lower Upper
237 100
235 61.4 41.4 81.4
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 330 Resp: 154725
Ion Ratio Lower Upper
330 100
332 98.1 78.5 117.7
141 38.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 40.288 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

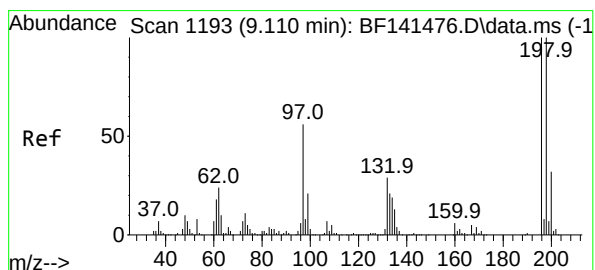
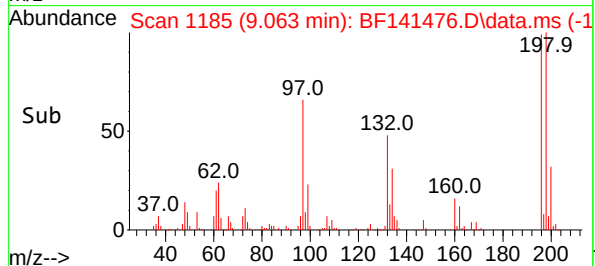
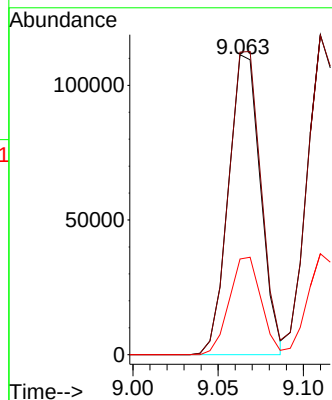
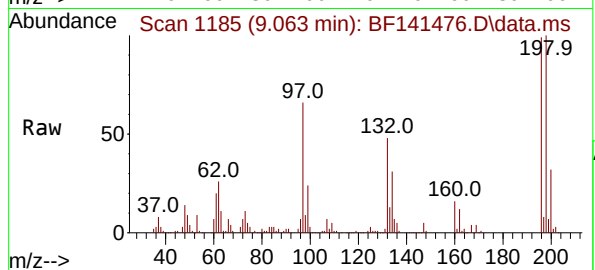
Tgt Ion:196 Resp: 145682

Ion Ratio Lower Upper

196 100

198 100.8 80.6 121.0

200 31.9 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 40.492 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:196 Resp: 158685

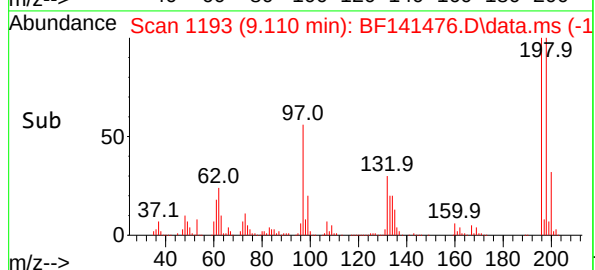
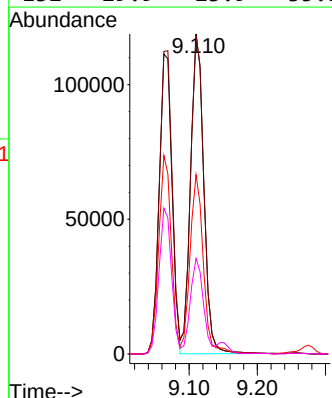
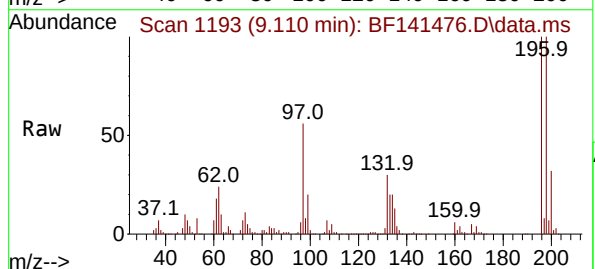
Ion Ratio Lower Upper

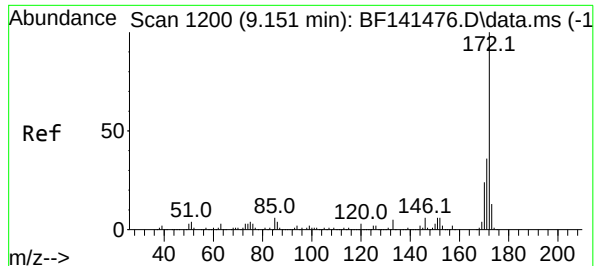
196 100

198 99.8 79.8 119.8

97 56.0 44.8 67.2

132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 78.189 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

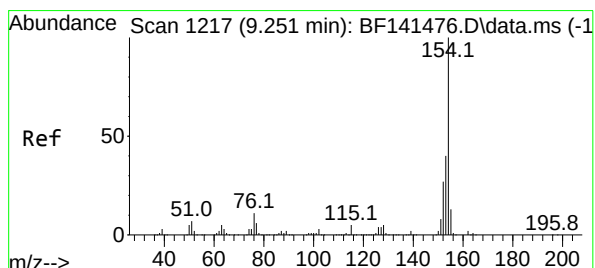
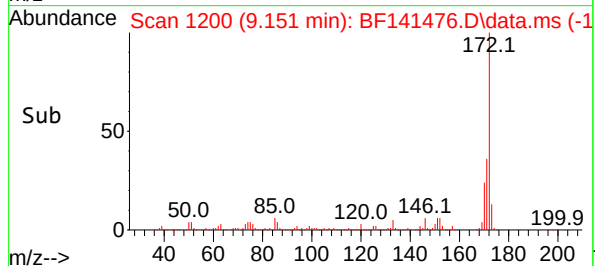
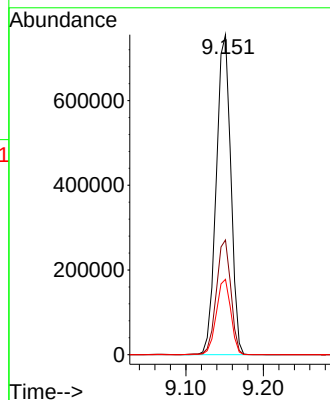
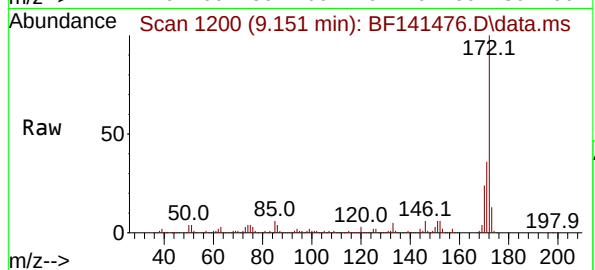
Tgt Ion:172 Resp: 981440

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 39.846 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

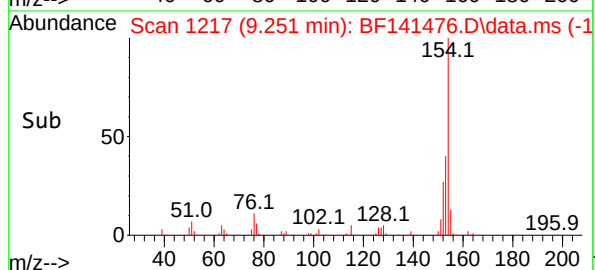
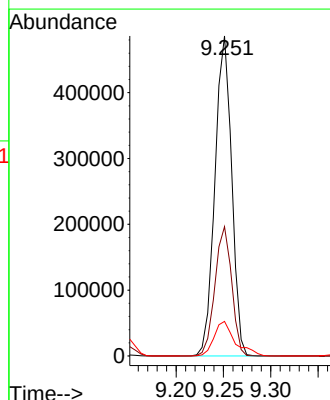
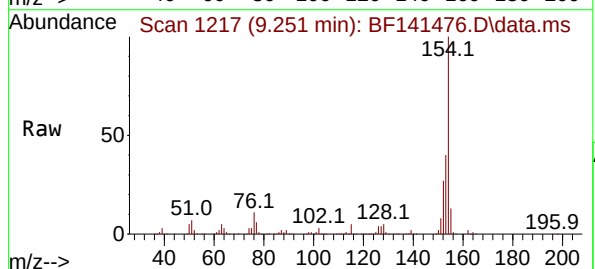
Tgt Ion:154 Resp: 597404

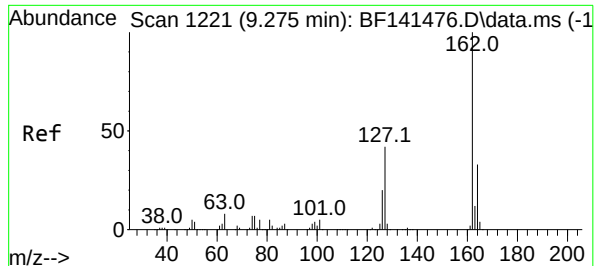
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 10.8 0.0 30.8





#47

2-Chloronaphthalene

Concen: 39.590 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

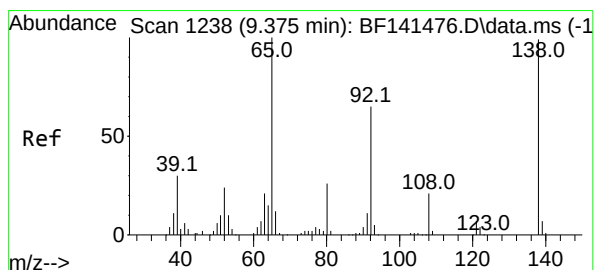
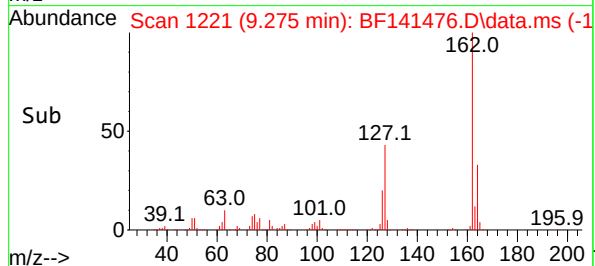
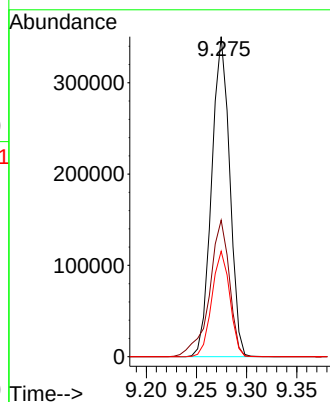
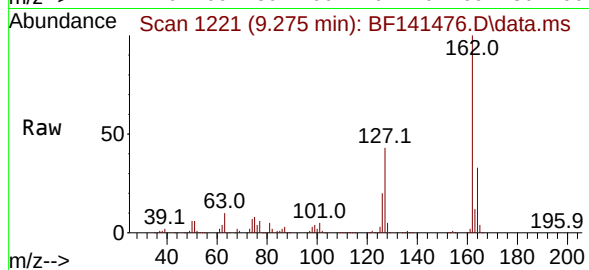
Tgt Ion:162 Resp: 438926

Ion Ratio Lower Upper

162 100

127 42.6 34.1 51.1

164 32.9 26.3 39.5



#48

2-Nitroaniline

Concen: 40.563 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

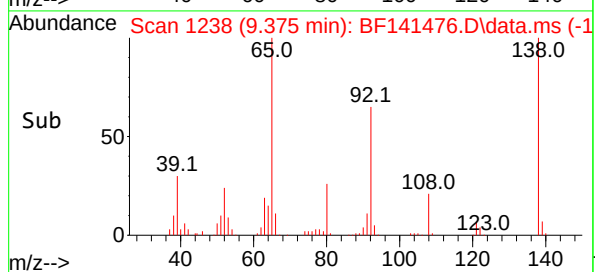
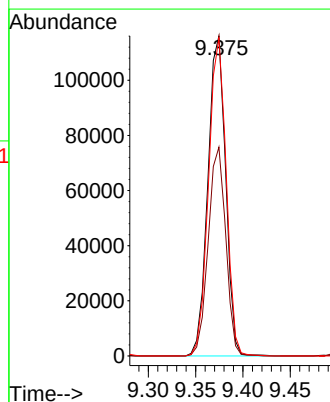
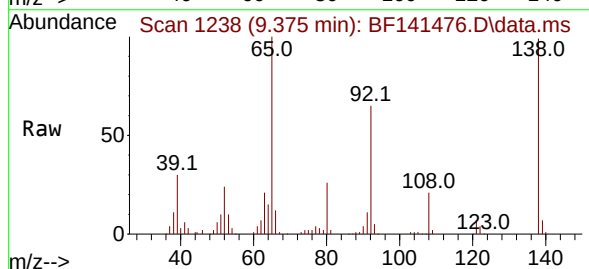
Tgt Ion: 65 Resp: 150922

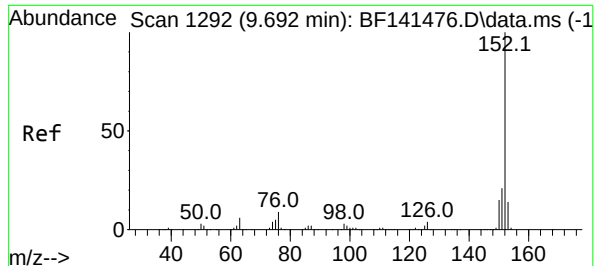
Ion Ratio Lower Upper

65 100

92 65.2 52.2 78.2

138 99.4 79.5 119.3





#49

Acenaphthylene

Concen: 39.789 ng

RT: 9.692 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

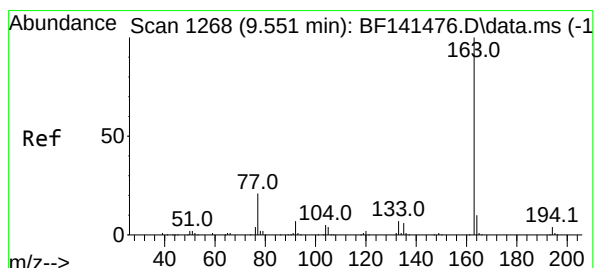
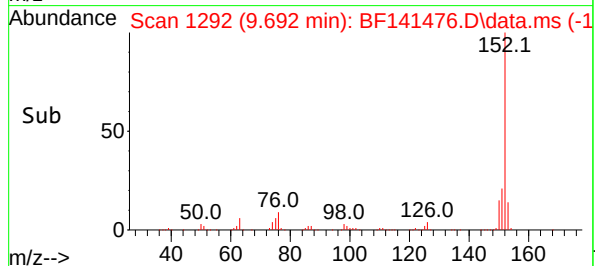
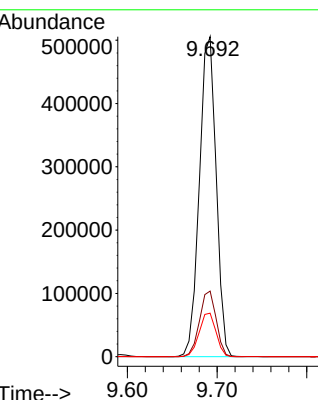
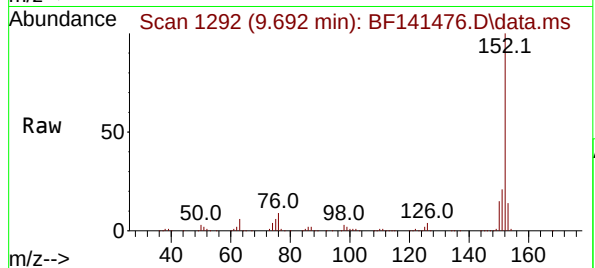
Tgt Ion:152 Resp: 656124

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.6 10.9 16.3



#50

Dimethylphthalate

Concen: 39.638 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

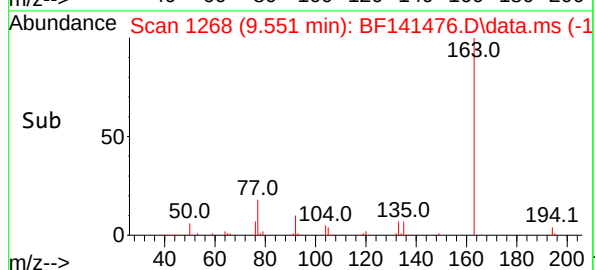
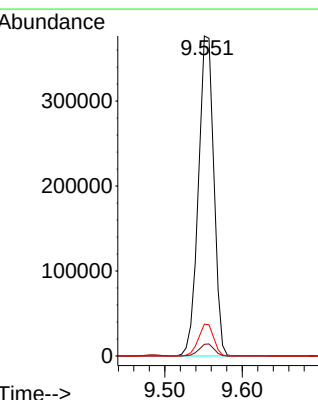
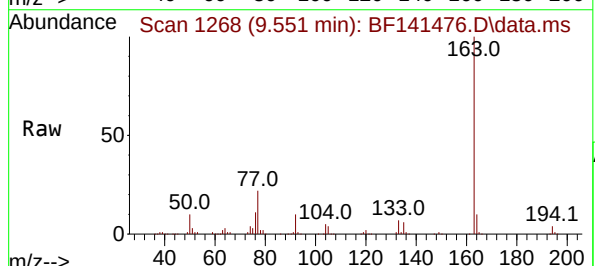
Tgt Ion:163 Resp: 520384

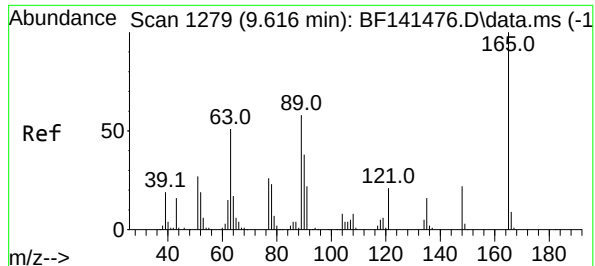
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 9.9 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 40.536 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

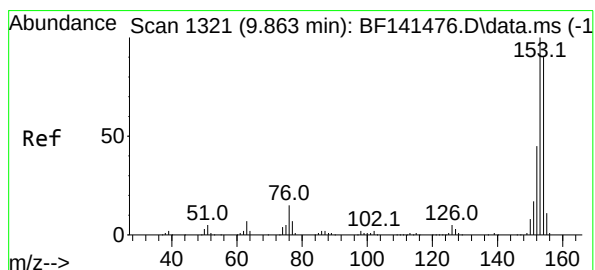
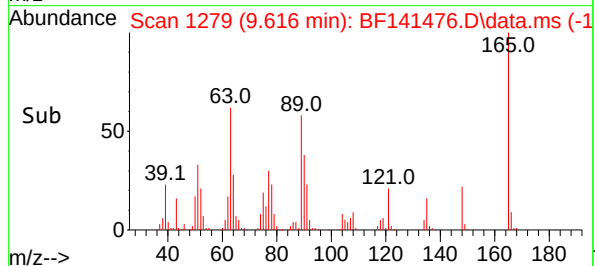
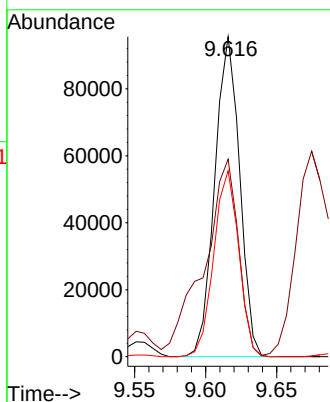
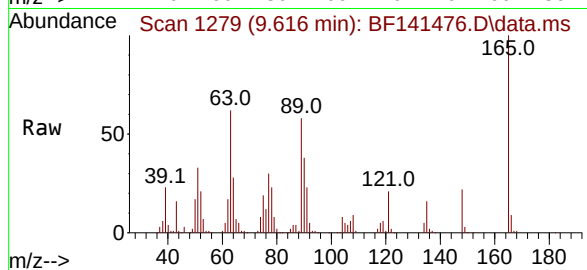
Tgt Ion:165 Resp: 116338

Ion Ratio Lower Upper

165 100

63 61.7 49.4 74.0

89 58.1 46.5 69.7



#52

Acenaphthene

Concen: 40.186 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

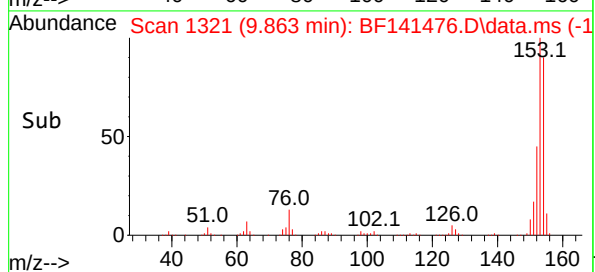
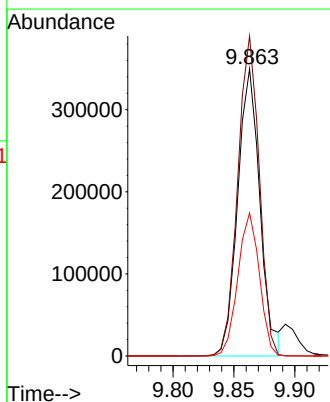
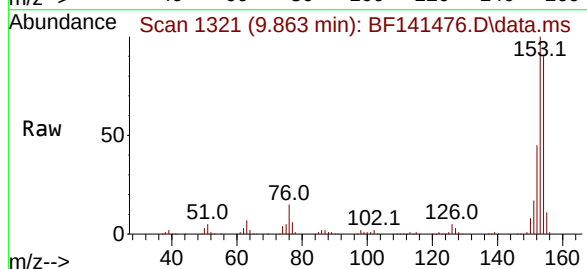
Tgt Ion:154 Resp: 445515

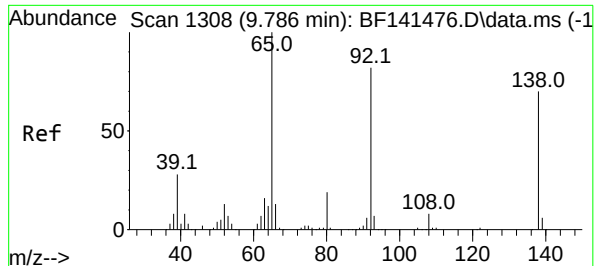
Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

152 49.8 39.8 59.8





#53

3-Nitroaniline

Concen: 39.991 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF141476.D

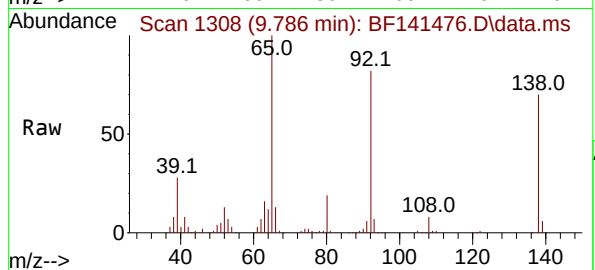
Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



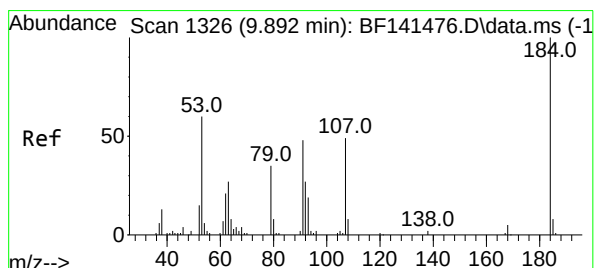
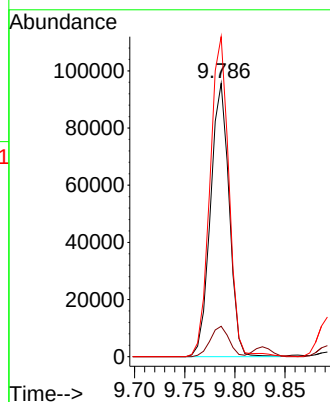
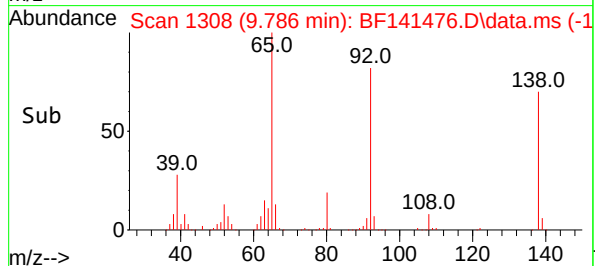
Tgt Ion:138 Resp: 123530

Ion Ratio Lower Upper

138 100

108 11.2 9.0 13.4

92 117.1 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 40.153 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

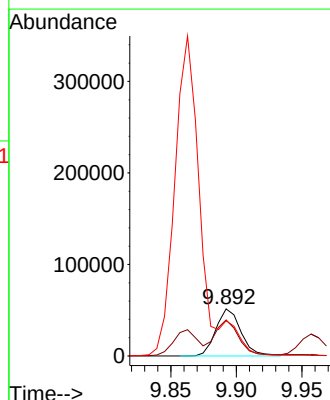
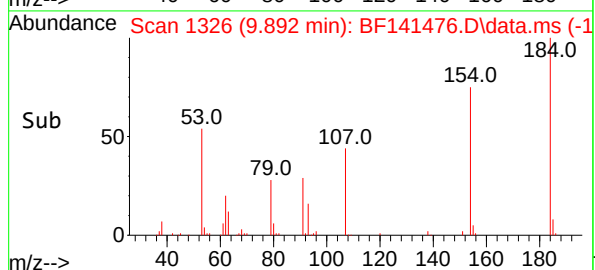
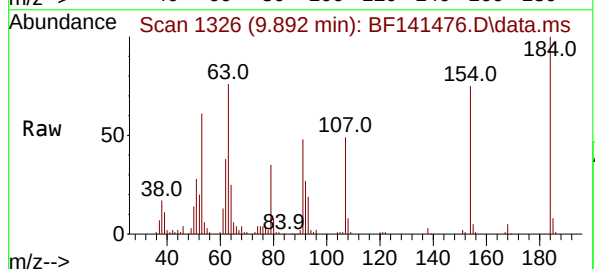
Tgt Ion:184 Resp: 68489

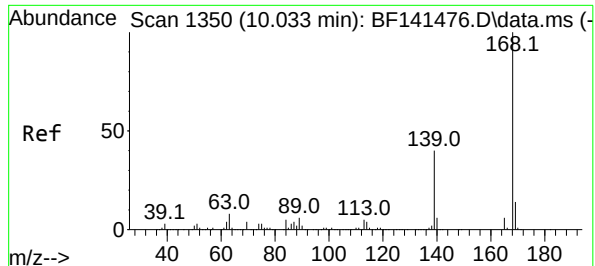
Ion Ratio Lower Upper

184 100

63 76.3 61.0 91.6

154 74.9 59.9 89.9





#55

Dibenzenofuran

Concen: 39.775 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

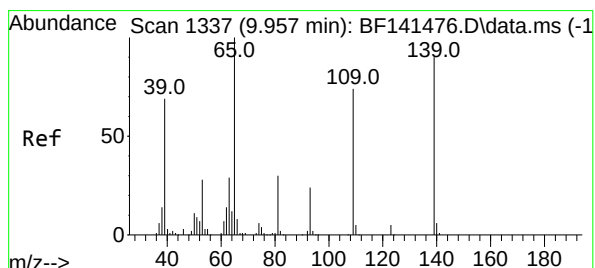
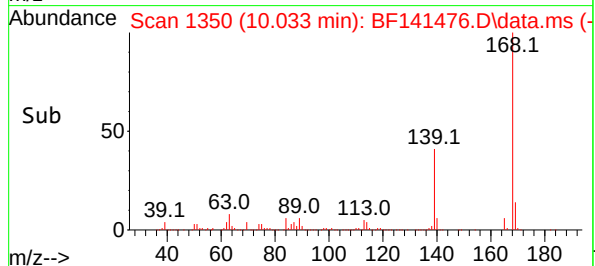
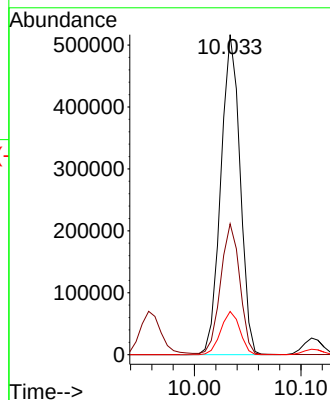
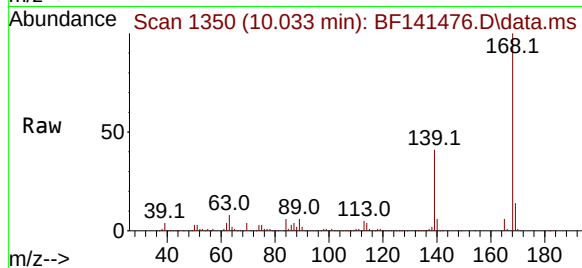
Tgt Ion:168 Resp: 647242

Ion Ratio Lower Upper

168 100

139 40.9 32.7 49.1

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 42.065 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

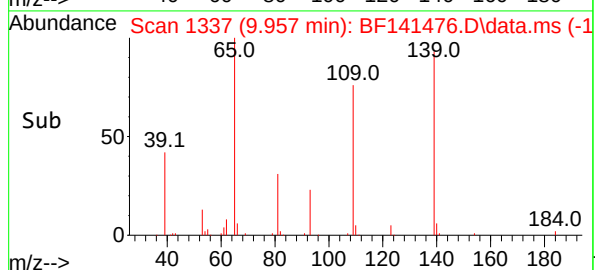
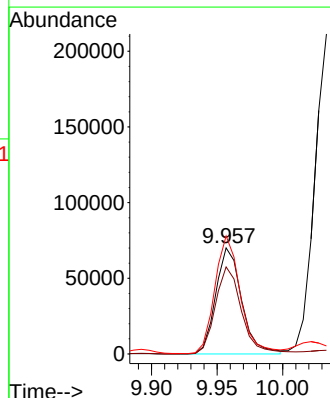
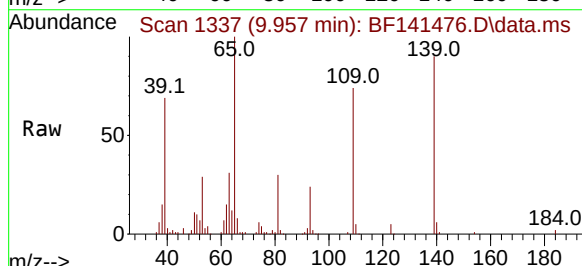
Tgt Ion:139 Resp: 96456

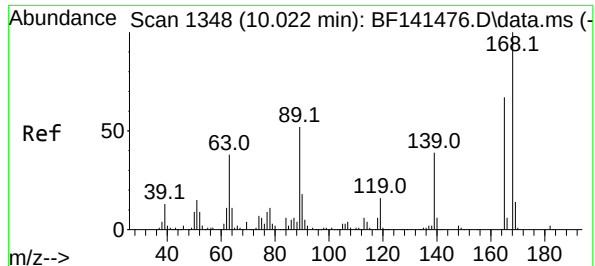
Ion Ratio Lower Upper

139 100

109 82.0 62.0 102.0

65 111.2 91.2 131.2



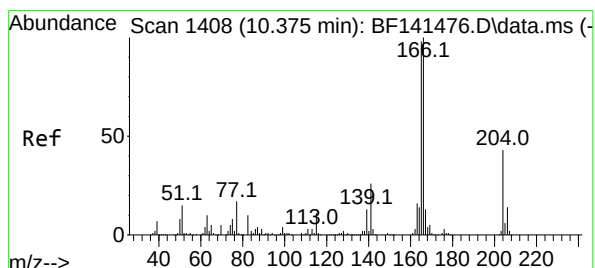
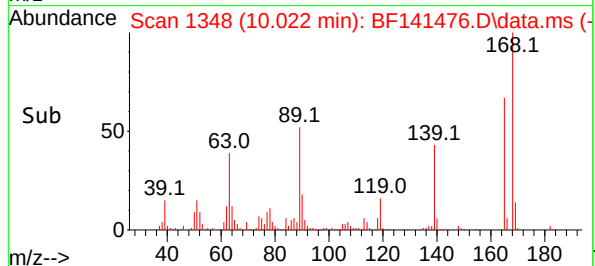
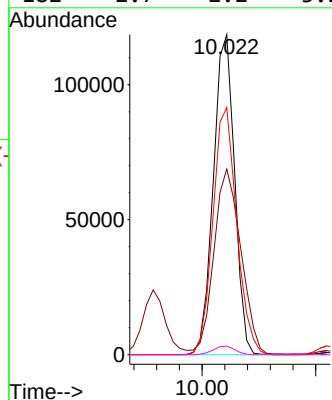
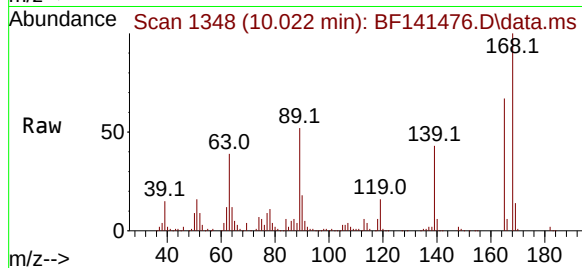


#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 153824

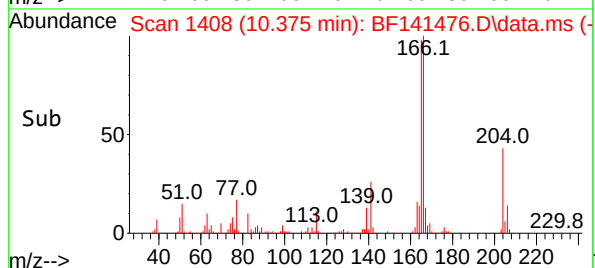
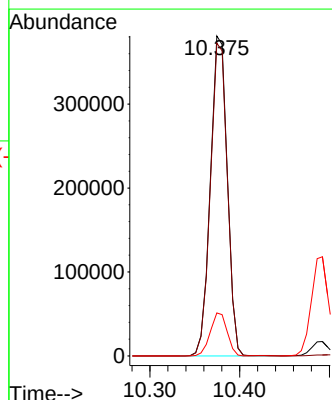
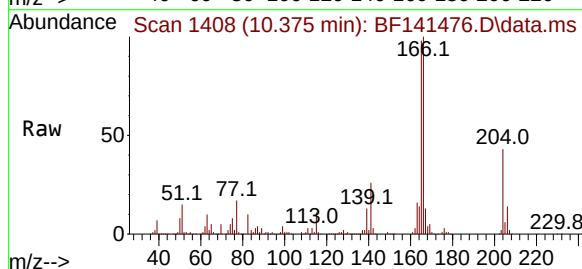
Ion	Ratio	Lower	Upper
165	100		
63	58.0	46.4	69.6
89	77.2	61.8	92.6
182	2.7	2.2	3.2

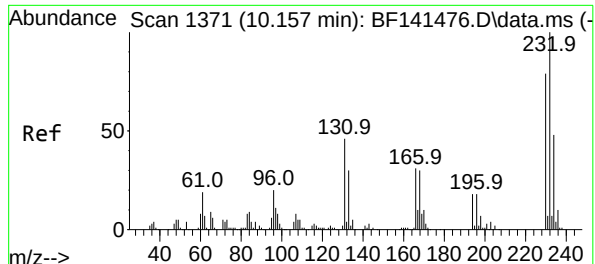


#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:166 Resp: 498929

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.4	10.7	16.1

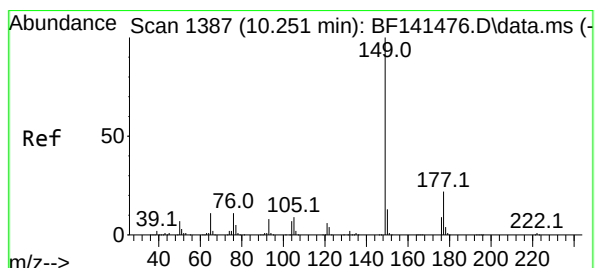
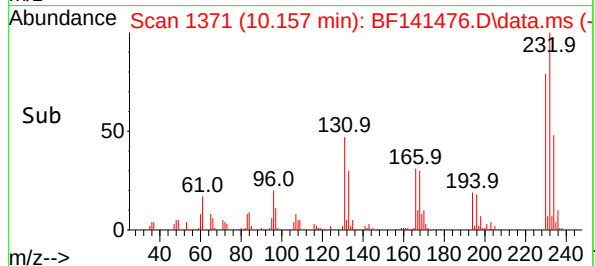
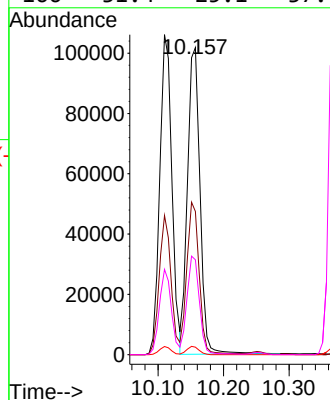
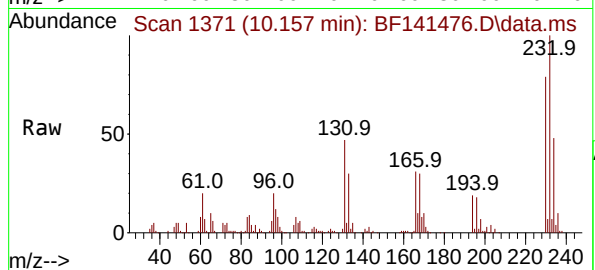




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

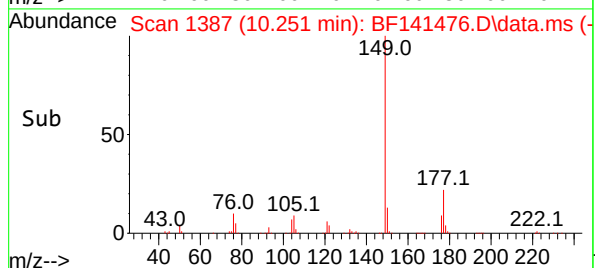
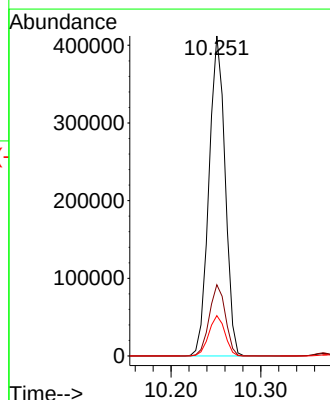
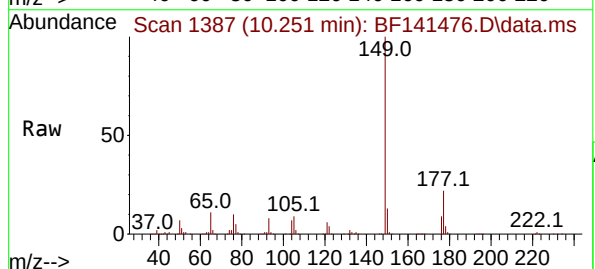
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

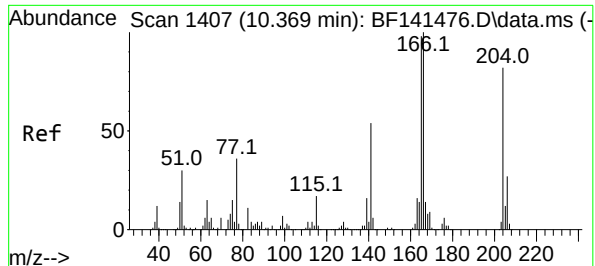
Tgt Ion:232 Resp: 134581
Ion Ratio Lower Upper
232 100
131 49.0 39.2 58.8
130 2.6 2.1 3.1
166 31.4 25.1 37.7



#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 514358
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1

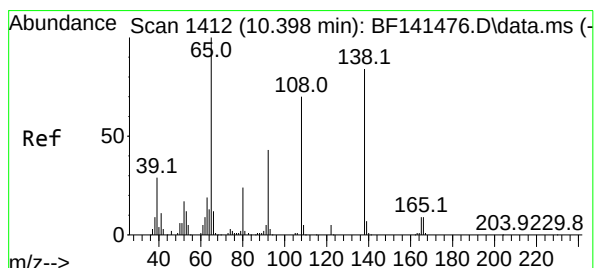
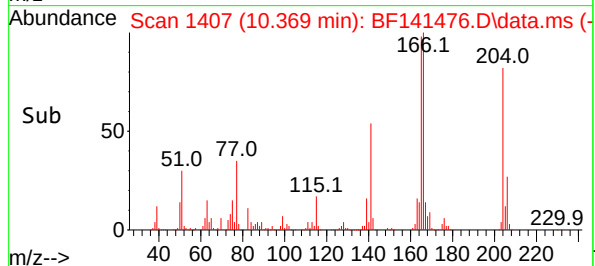
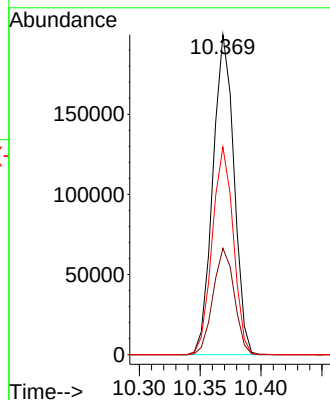
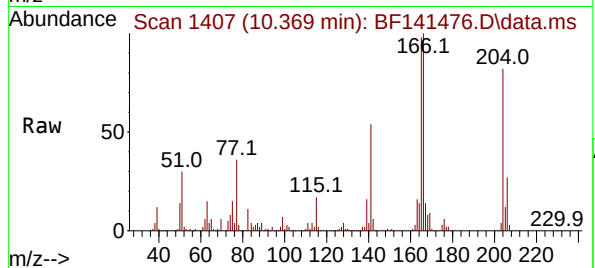




#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

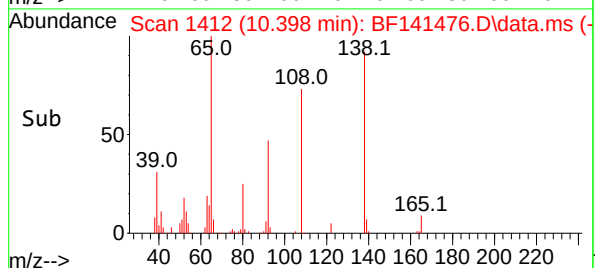
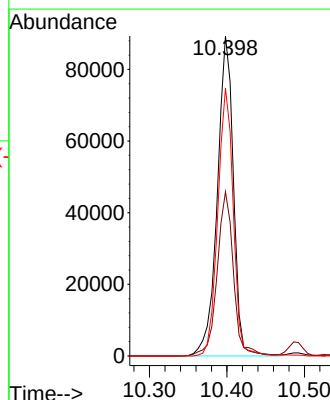
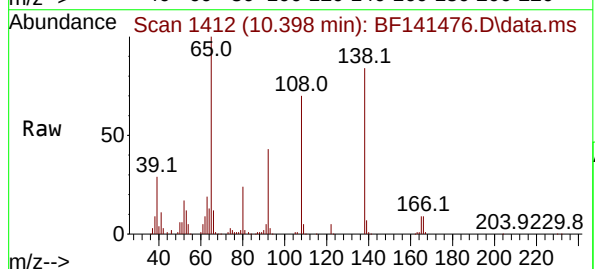
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

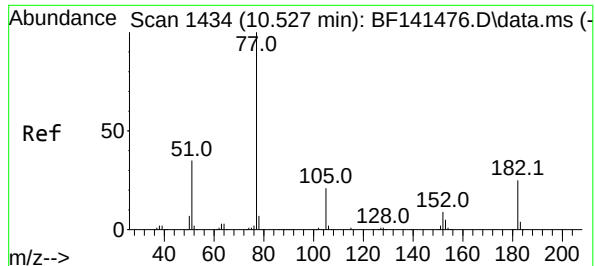
Tgt Ion:204 Resp: 240707
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 64.9 51.9 77.9



#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:138 Resp: 129392
Ion Ratio Lower Upper
138 100
92 51.3 31.3 71.3
108 83.7 63.7 103.7

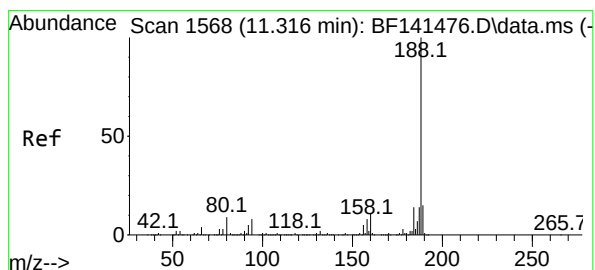
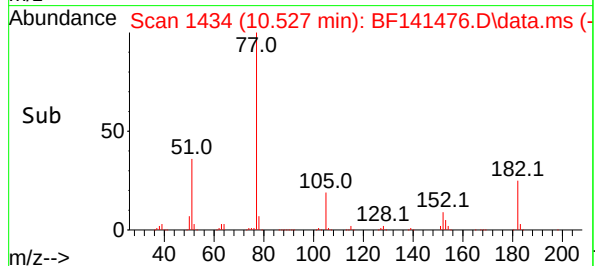
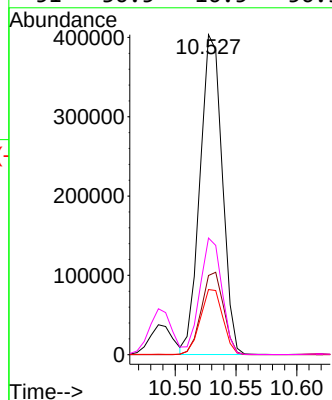
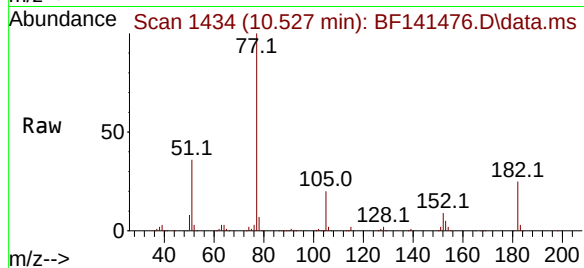




#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

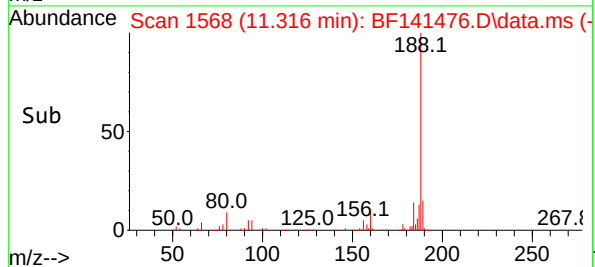
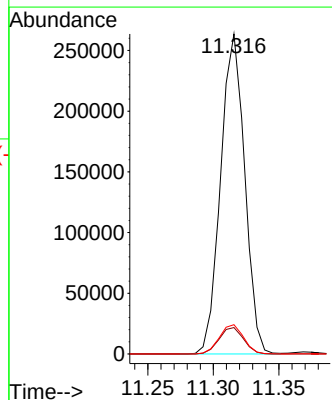
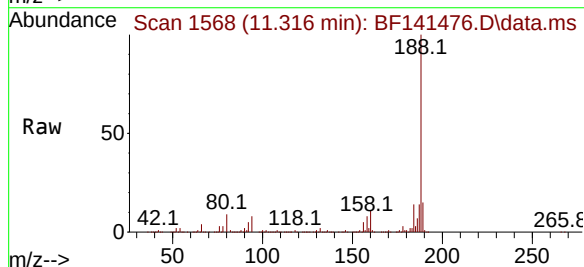
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

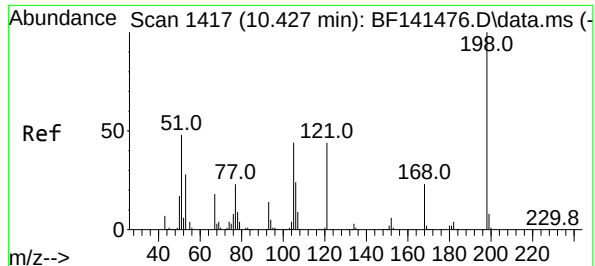
Tgt Ion: 77 Resp: 512692
Ion Ratio Lower Upper
77 100
182 24.7 4.7 44.7
105 20.4 0.4 40.4
51 36.5 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 188 Resp: 336425
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.1 7.3 10.9

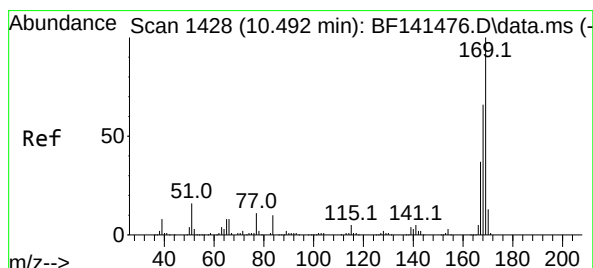
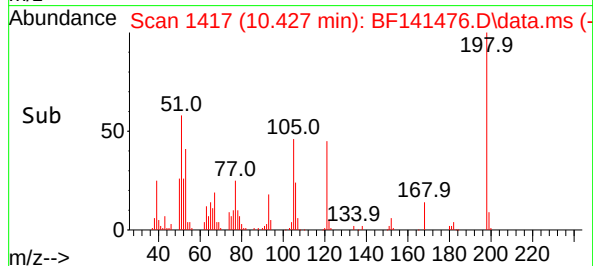
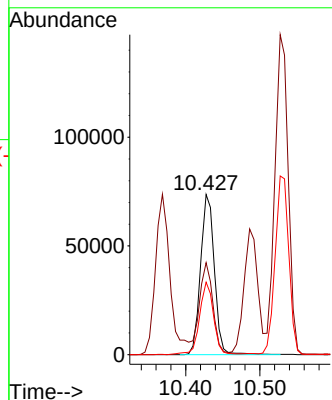
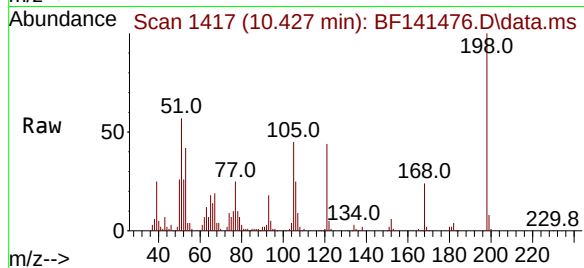




#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

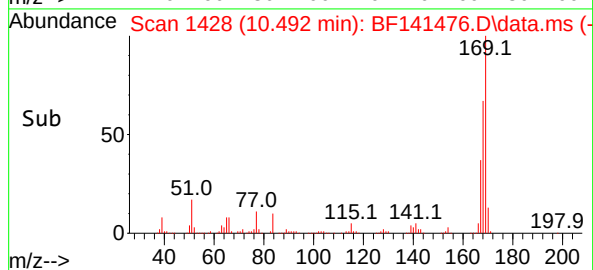
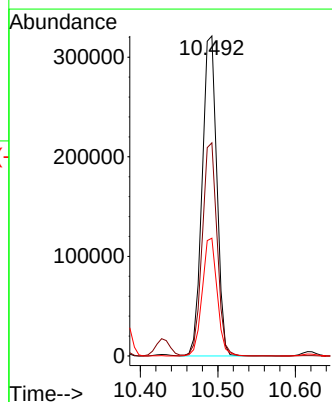
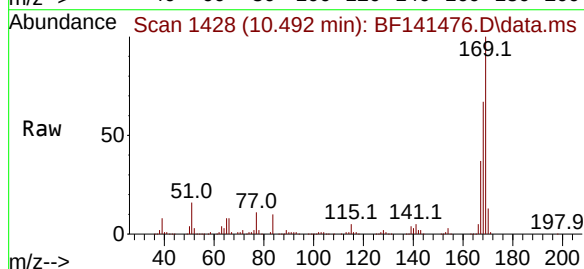
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

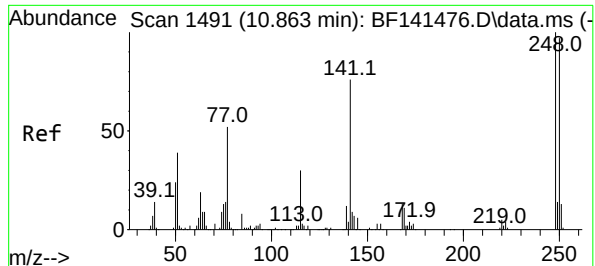
Tgt Ion:198 Resp: 95521
Ion Ratio Lower Upper
198 100
51 57.4 37.4 77.4
105 45.2 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:169 Resp: 421937
Ion Ratio Lower Upper
169 100
168 66.6 53.3 79.9
167 36.8 29.4 44.2

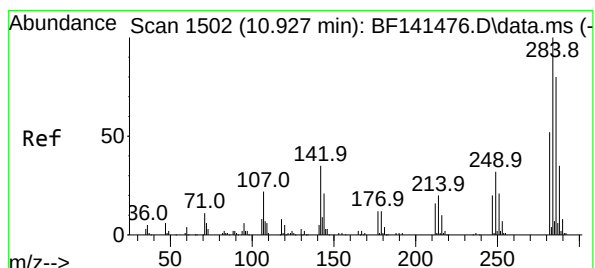
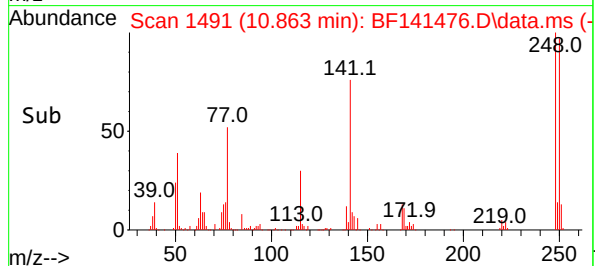
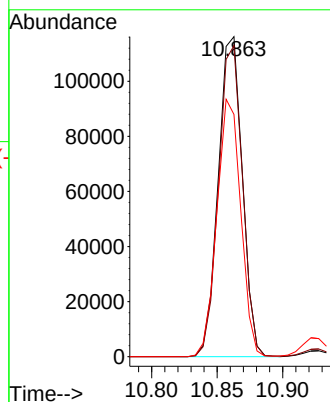
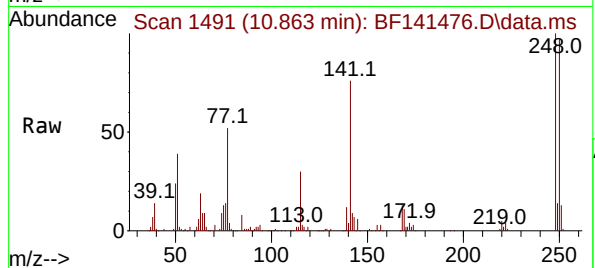




#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

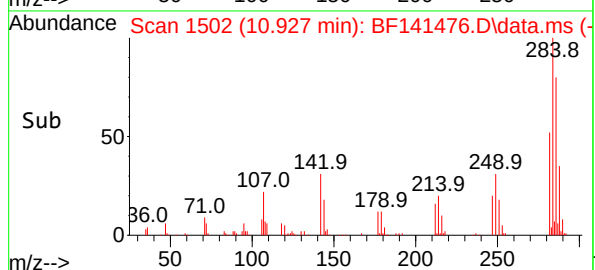
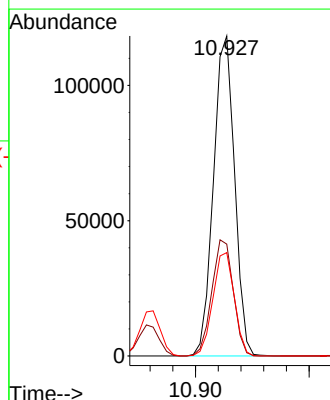
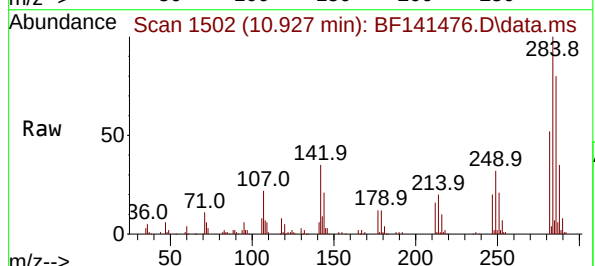
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

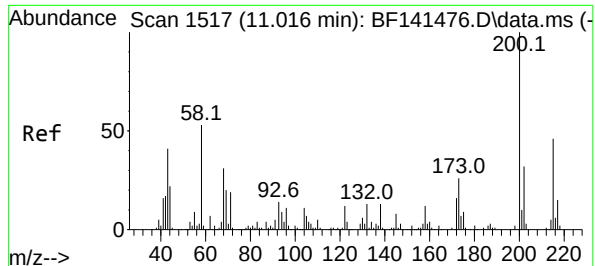
Tgt Ion:248 Resp: 148603
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.6
141 75.7 60.6 90.8



#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:284 Resp: 152664
Ion Ratio Lower Upper
284 100
142 35.0 28.0 42.0
249 32.3 25.8 38.8





#69

Atrazine

Concen: 38.533 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.005 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

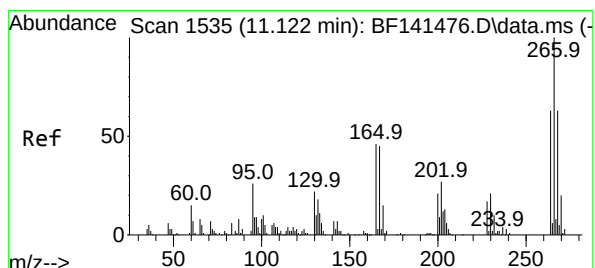
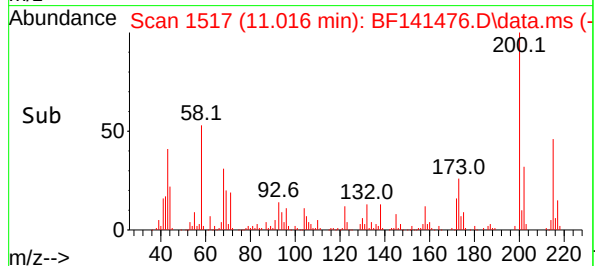
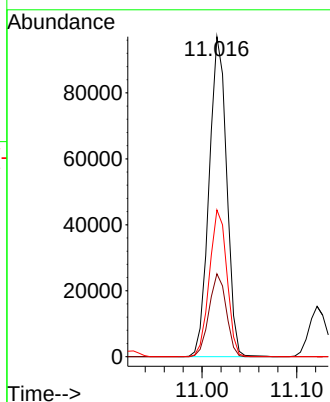
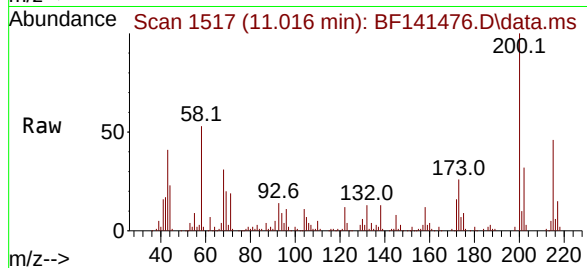
Tgt Ion:200 Resp: 124494

Ion Ratio Lower Upper

200 100

173 25.9 5.9 45.9

215 45.9 25.9 65.9



#70

Pentachlorophenol

Concen: 41.930 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

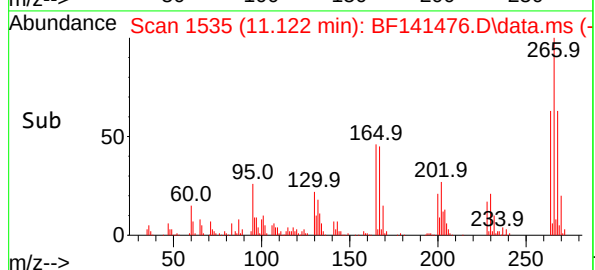
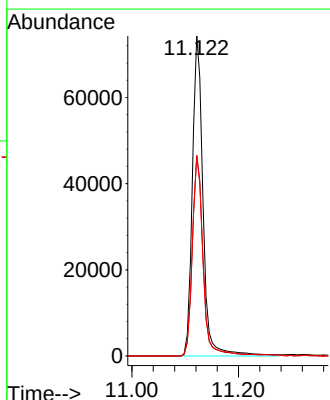
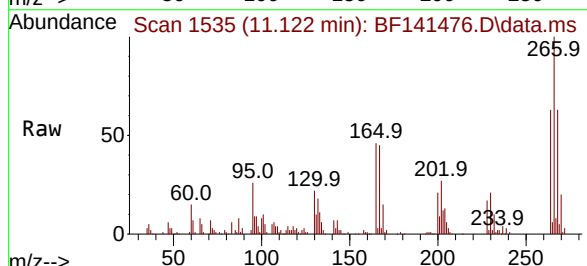
Tgt Ion:266 Resp: 103806

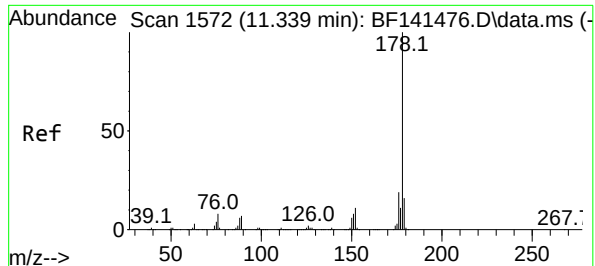
Ion Ratio Lower Upper

266 100

268 62.6 50.1 75.1

264 62.6 50.1 75.1

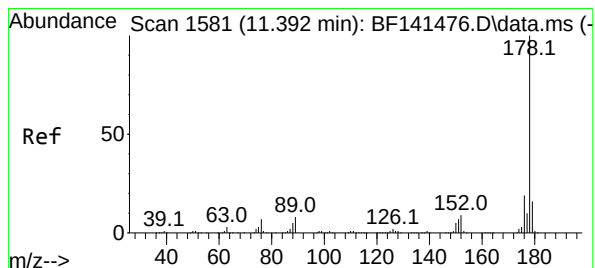
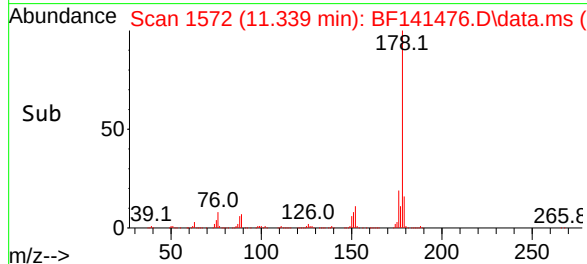
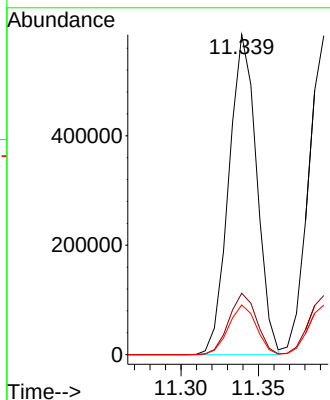
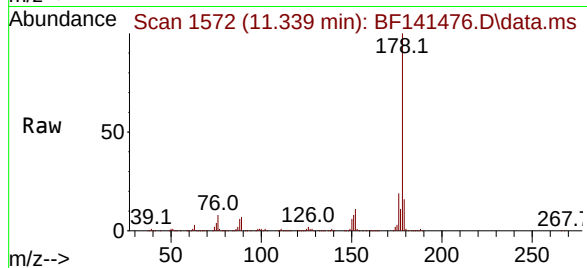




#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

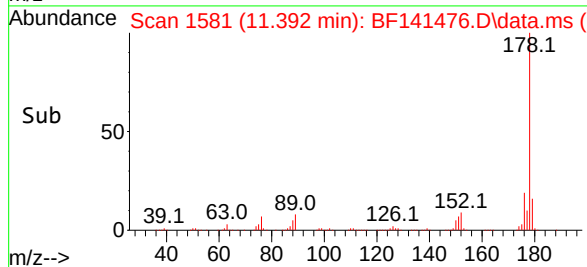
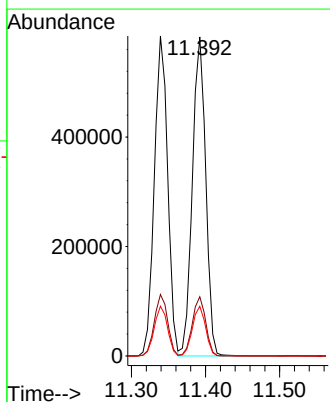
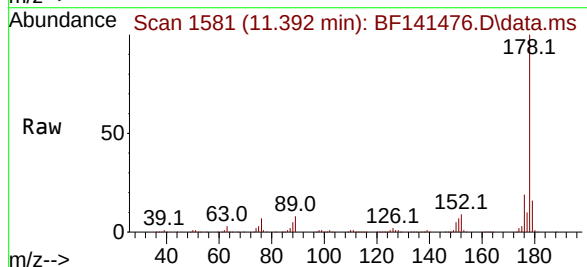
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

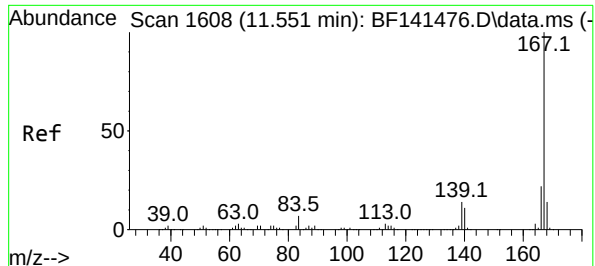
Tgt Ion:178 Resp: 729585
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6



#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:178 Resp: 728337
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.5 12.4 18.6

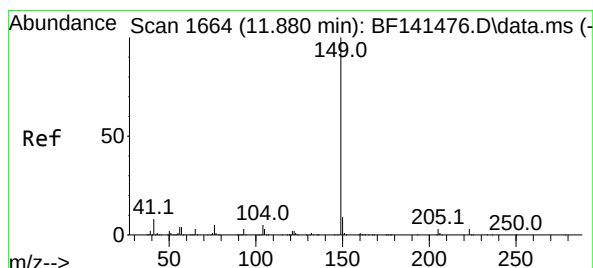
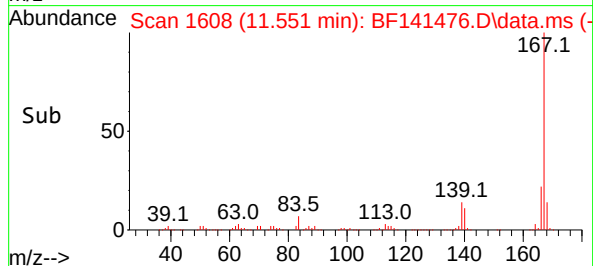
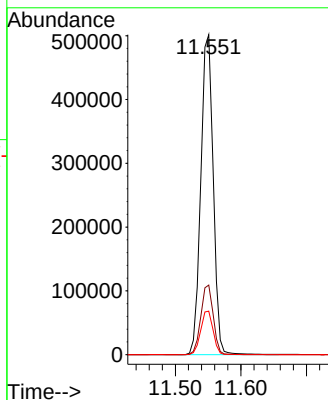
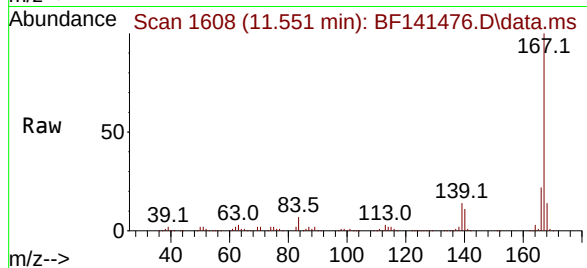




#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

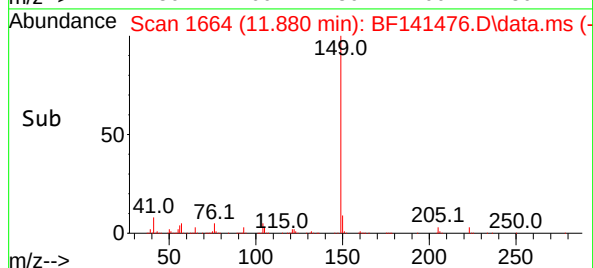
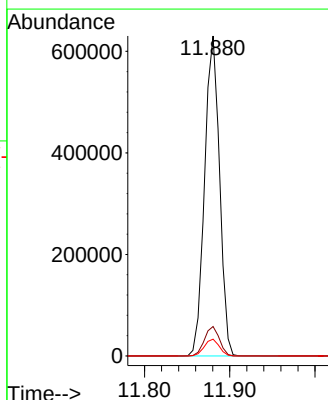
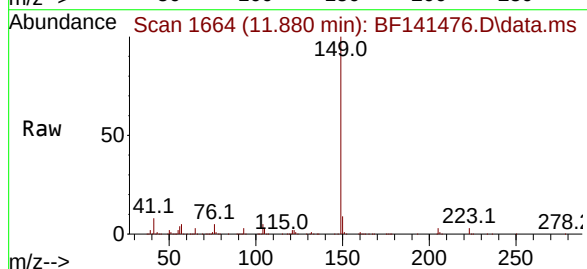
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

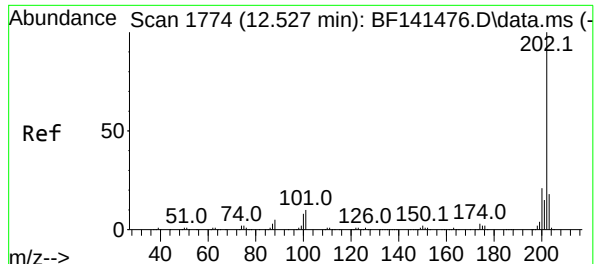
Tgt Ion:167 Resp: 663523
Ion Ratio Lower Upper
167 100
166 21.8 17.4 26.2
139 13.6 10.9 16.3



#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 767961
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.2 4.2 6.2

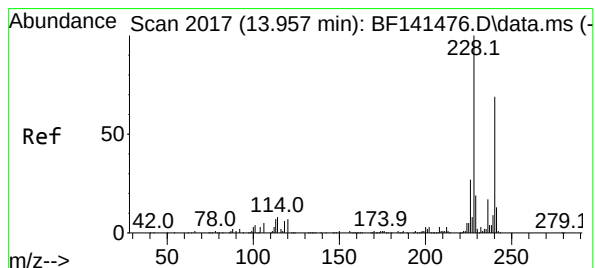
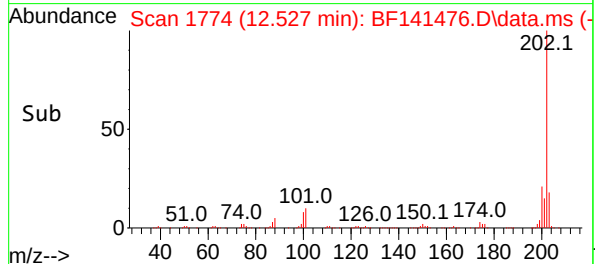
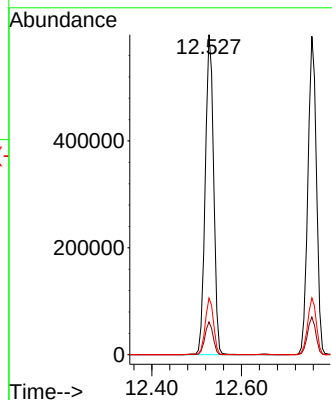
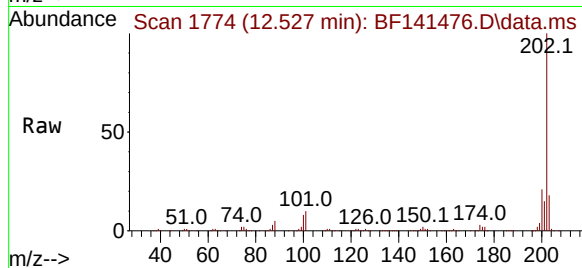




#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

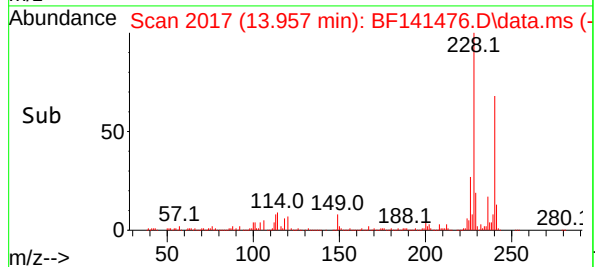
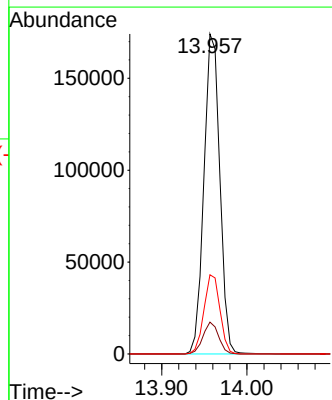
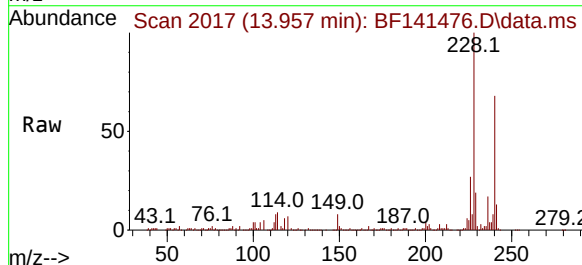
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

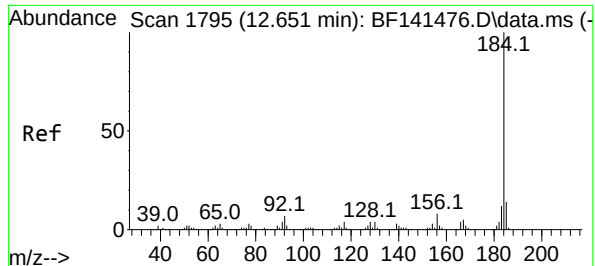
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.8	19.8	29.8





#77

Benzidine

Concen: 47.917 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

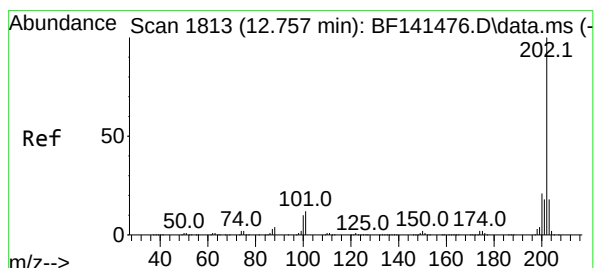
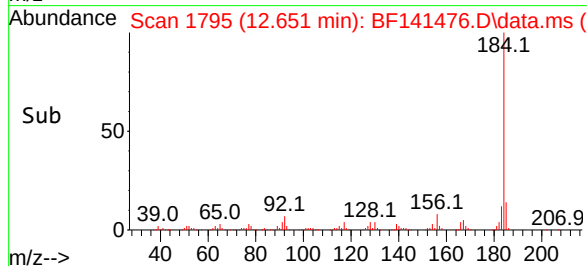
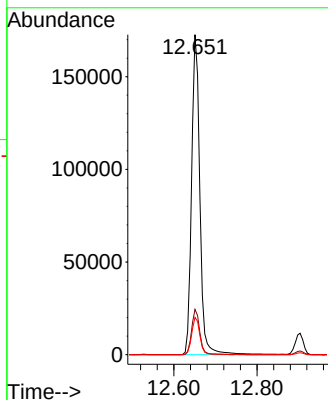
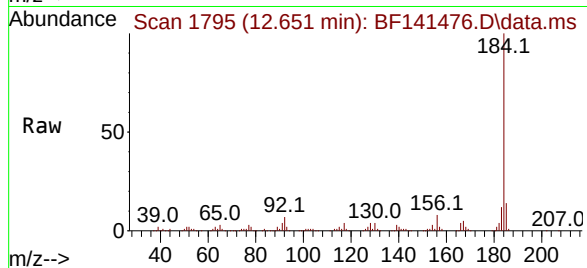
Tgt Ion:184 Resp: 238261

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

183 11.6 9.3 13.9



#78

Pyrene

Concen: 41.002 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

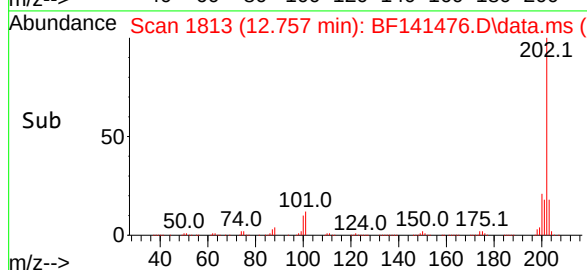
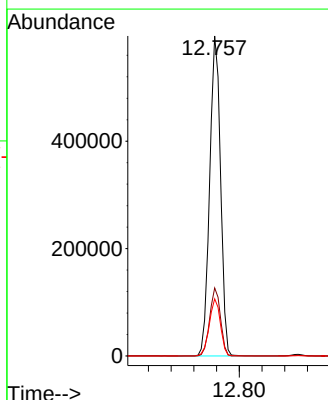
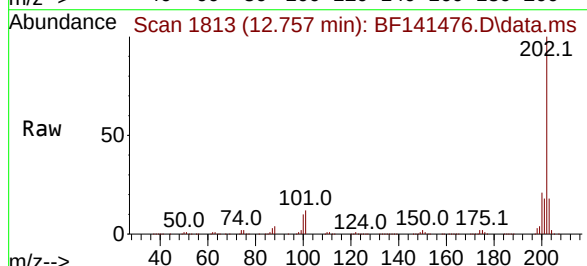
Tgt Ion:202 Resp: 786956

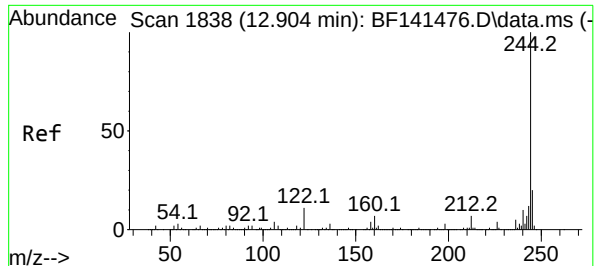
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 80.879 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

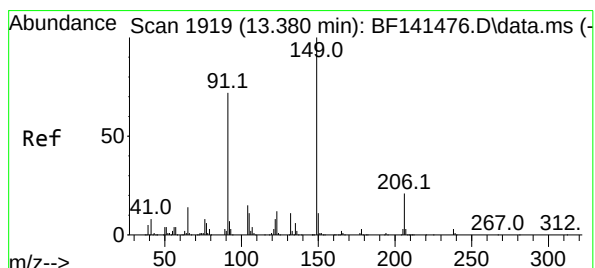
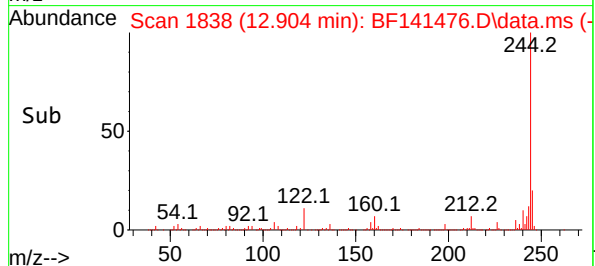
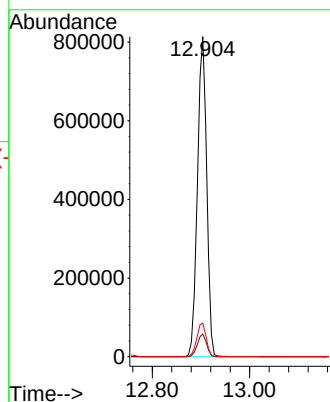
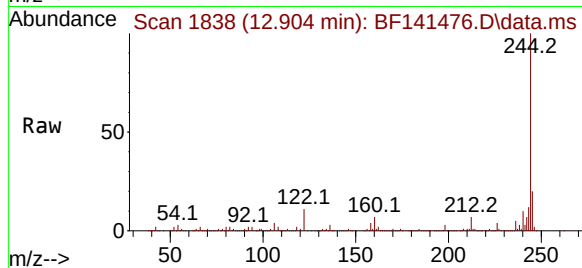
Tgt Ion:244 Resp: 1080174

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.5 8.4 12.6



#80

Butylbenzylphthalate

Concen: 41.323 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

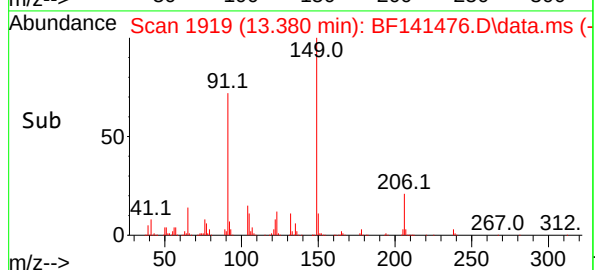
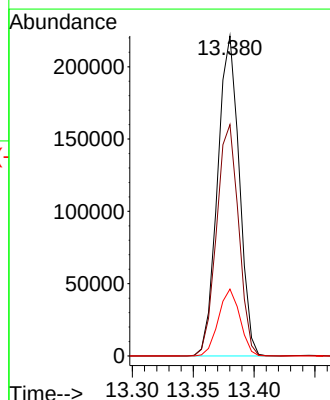
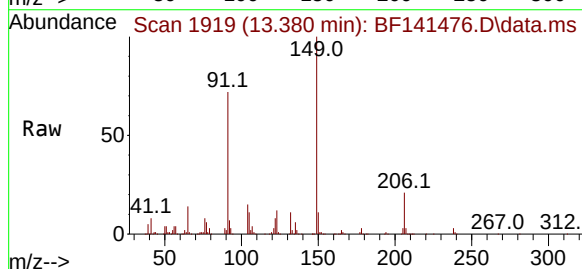
Tgt Ion:149 Resp: 274711

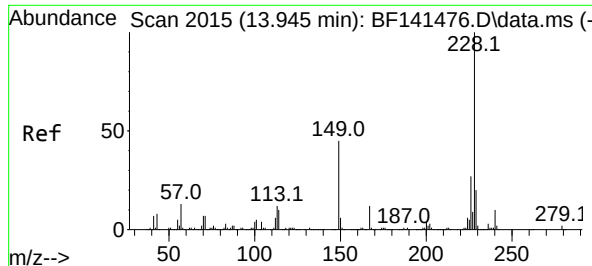
Ion Ratio Lower Upper

149 100

91 72.3 57.8 86.8

206 20.9 16.7 25.1

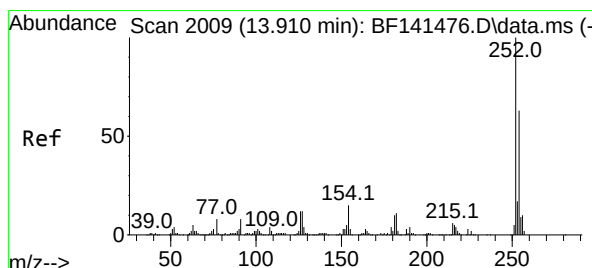
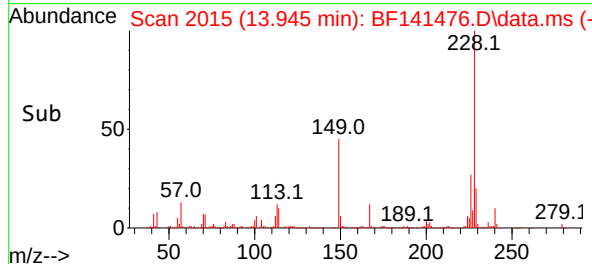
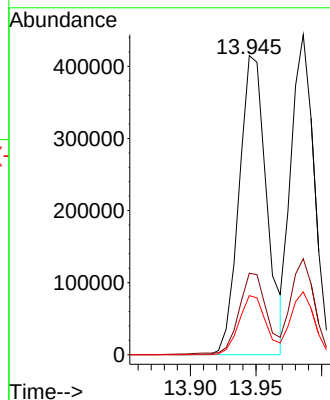
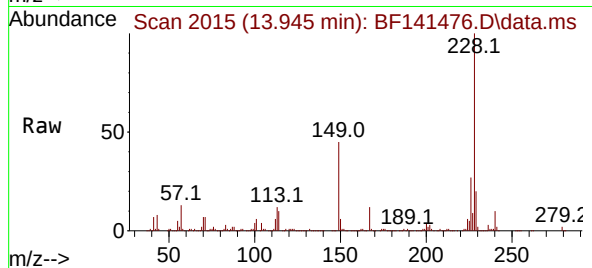




#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

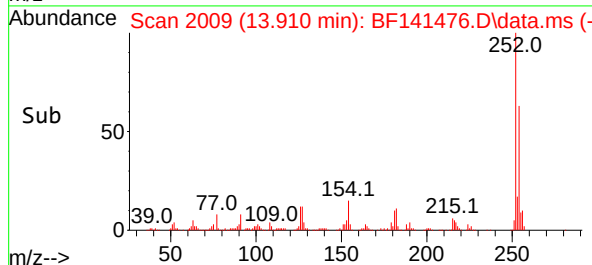
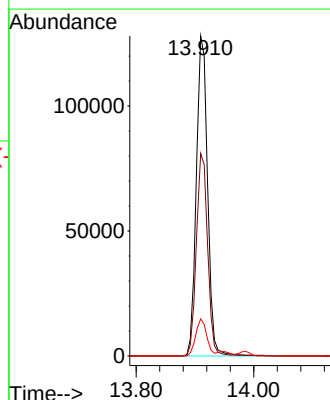
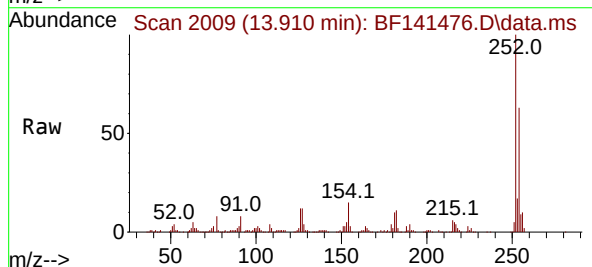
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

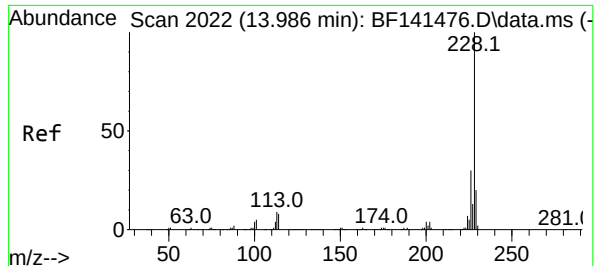
Tgt Ion:228 Resp: 606669
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 170181
Ion Ratio Lower Upper
252 100
254 63.3 50.6 76.0
126 11.6 9.3 13.9





#83

Chrysene

Concen: 39.121 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

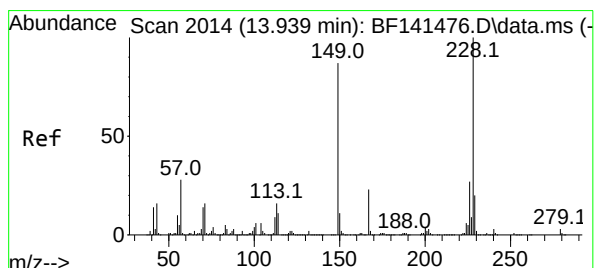
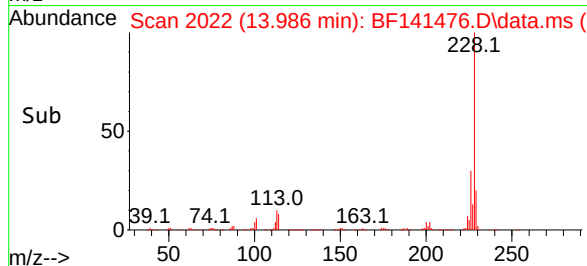
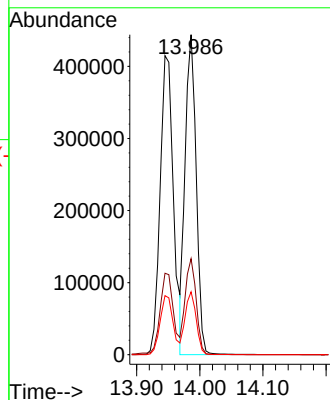
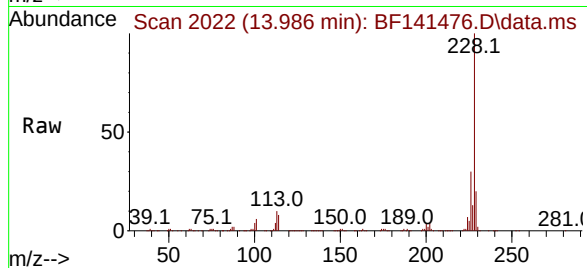
Tgt Ion:228 Resp: 541376

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.438 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

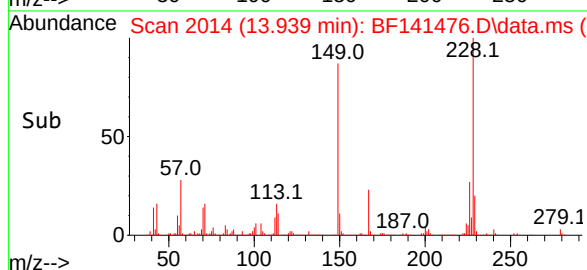
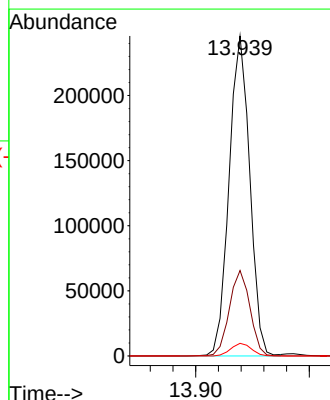
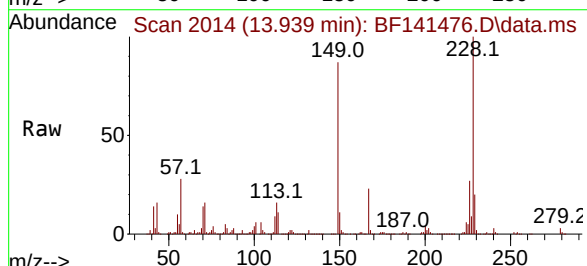
Tgt Ion:149 Resp: 310696

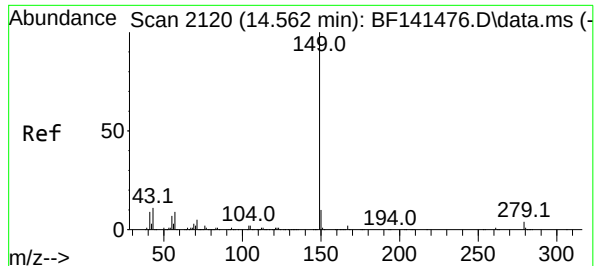
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.9 3.1 4.7

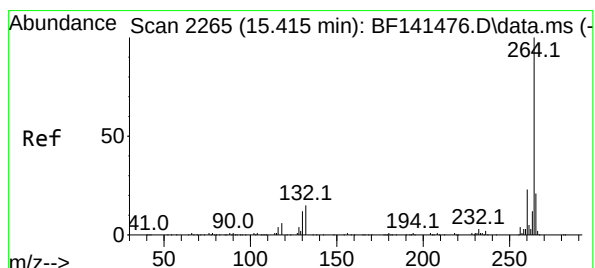
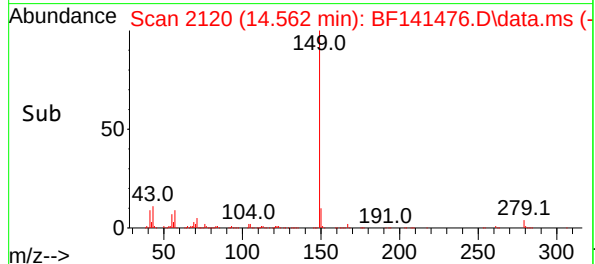
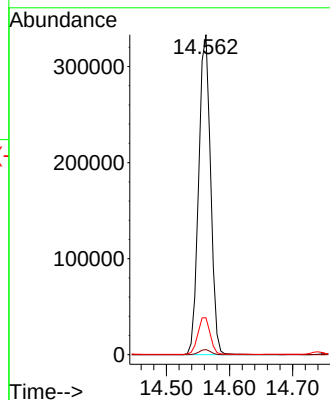
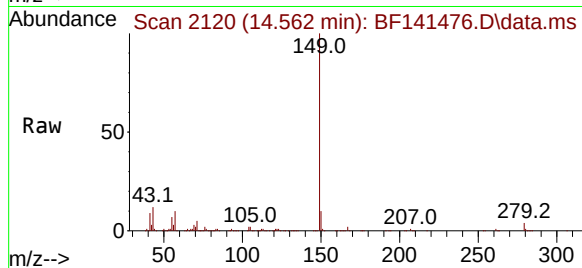




#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

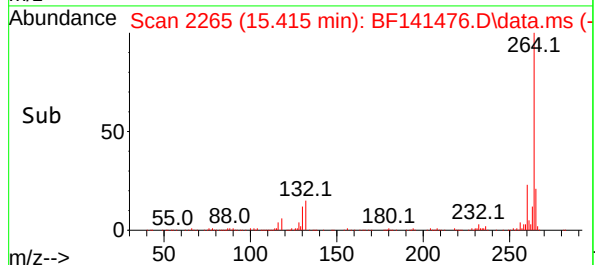
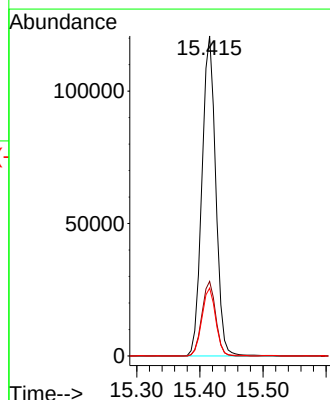
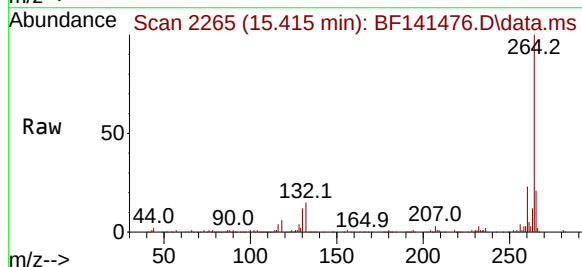
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

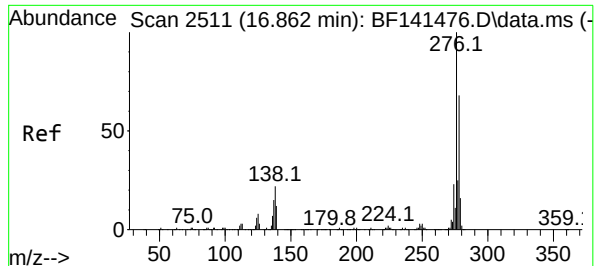
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.699 ng

RT: 16.862 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

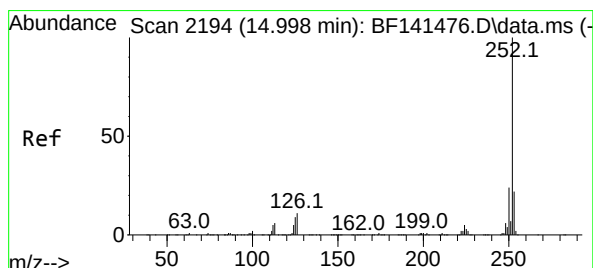
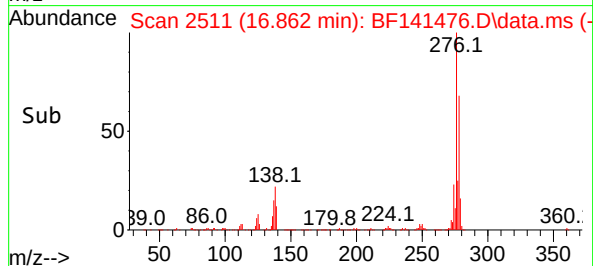
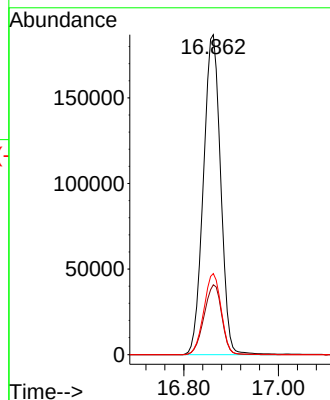
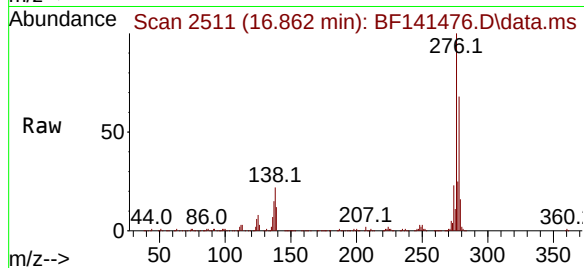
Tgt Ion:276 Resp: 471272

Ion Ratio Lower Upper

276 100

138 22.5 18.0 27.0

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 39.783 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

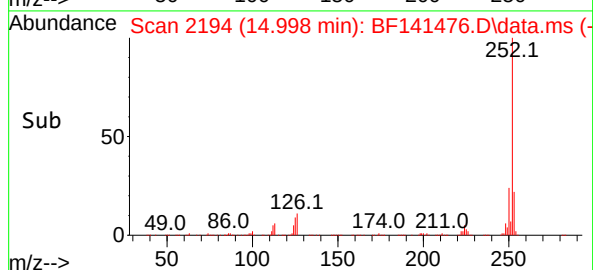
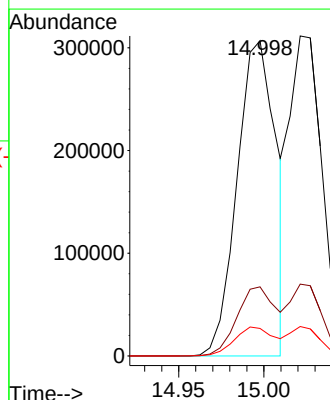
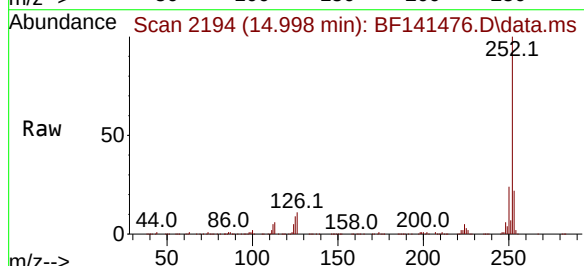
Tgt Ion:252 Resp: 488585

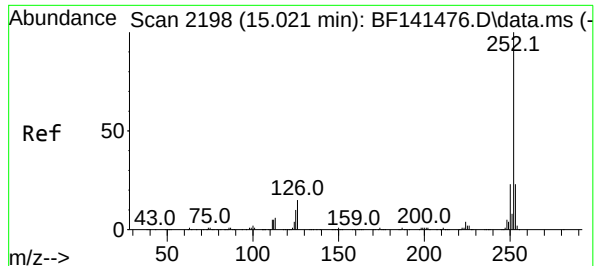
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 39.836 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

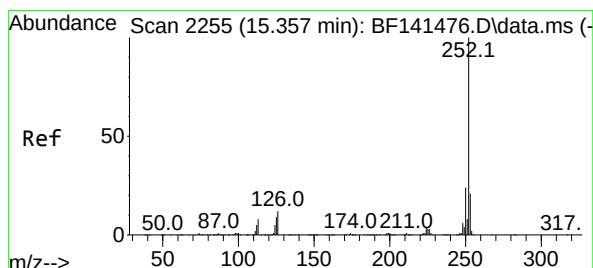
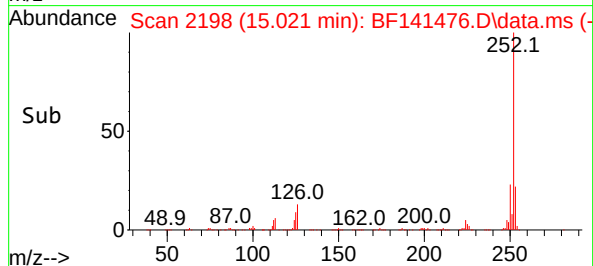
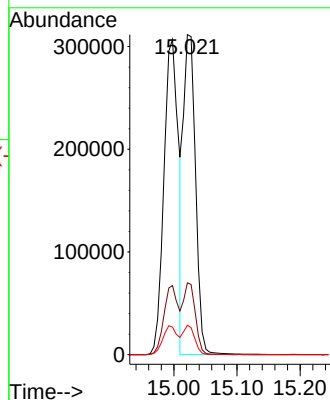
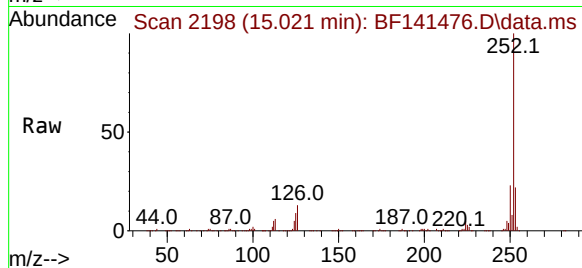
Tgt Ion:252 Resp: 417770

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.767 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

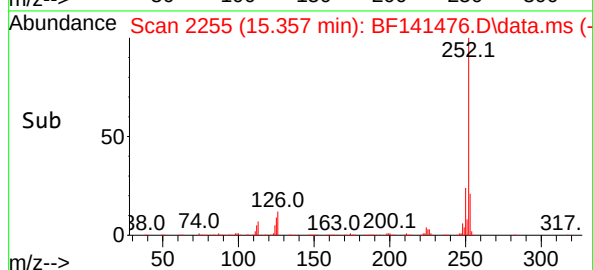
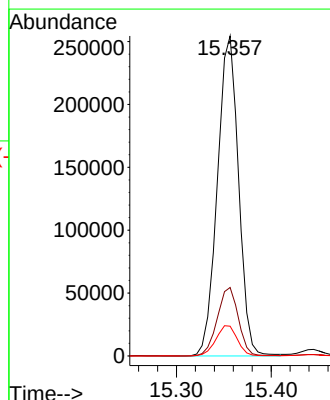
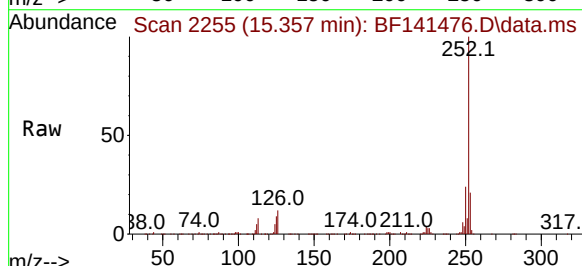
Tgt Ion:252 Resp: 395193

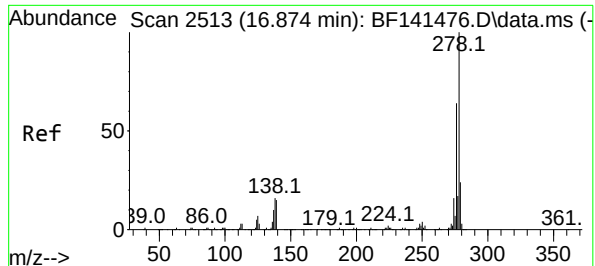
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 9.3 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 42.001 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

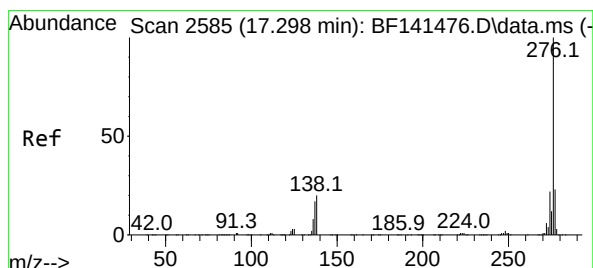
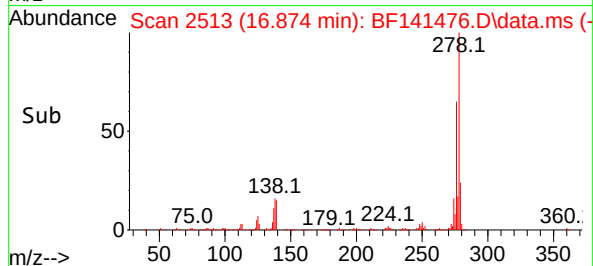
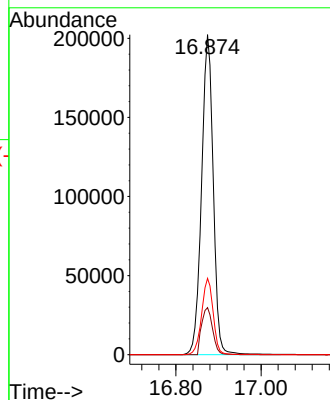
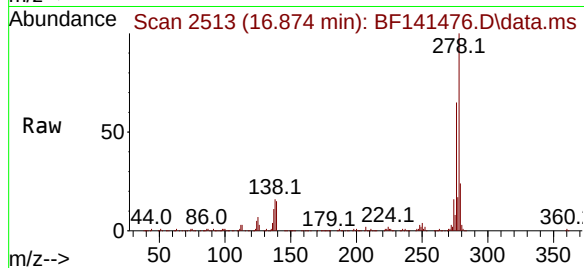
Tgt Ion:278 Resp: 384623

Ion Ratio Lower Upper

278 100

139 14.7 11.8 17.6

279 23.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 41.992 ng

RT: 17.298 min Scan# 2585

Delta R.T. -0.018 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

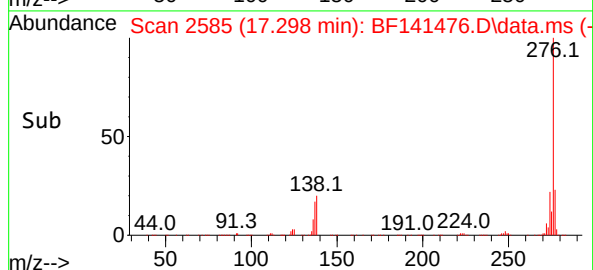
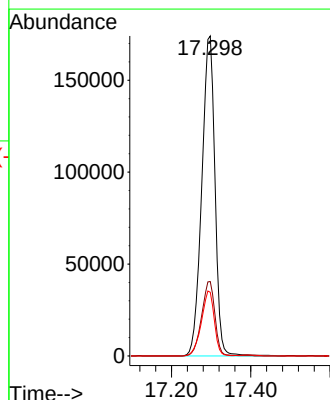
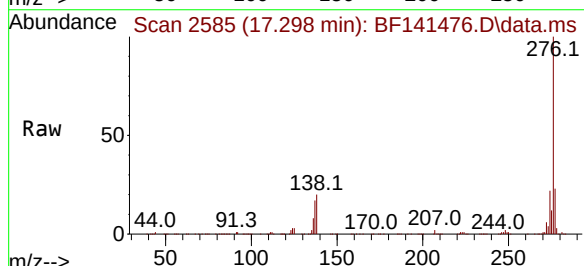
Tgt Ion:276 Resp: 402413

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 19.9 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141477.D
 Acq On : 06 Feb 2025 13:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Feb 06 16:00:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	87860	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347298	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	190523	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	323702	20.000	ng	0.00
76) Chrysene-d12	13.963	240	205879	20.000	ng	0.00
86) Perylene-d12	15.415	264	174906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	559309	99.801	ng	0.00
7) Phenol-d6	6.434	99	702435	99.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	657106	98.686	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	189178	98.845	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1182292	95.605	ng	0.00
79) Terphenyl-d14	12.904	244	1244053	102.010	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	110258	48.882	ng	98
3) Pyridine	3.210	79	275985	51.419	ng	100
4) n-Nitrosodimethylamine	3.169	42	183299	51.575	ng	97
6) Aniline	6.457	93	330719	49.774	ng	86
8) 2-Chlorophenol	6.581	128	300380	49.604	ng	98
9) Benzaldehyde	6.340	77	164133	43.605	ng	99
10) Phenol	6.445	94	364380	49.425	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	274892	49.643	ng	98
12) 1,3-Dichlorobenzene	6.728	146	316493	49.506	ng	98
13) 1,4-Dichlorobenzene	6.810	146	321786	49.264	ng	98
14) 1,2-Dichlorobenzene	6.963	146	296834	48.964	ng	99
15) Benzyl Alcohol	6.934	79	274040	50.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	465332	49.091	ng	97
17) 2-Methylphenol	7.051	107	232571	49.081	ng	100
18) Hexachloroethane	7.298	117	122071	50.498	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	207915	49.072	ng	98
20) 3+4-Methylphenols	7.204	107	295179	49.011	ng	96
22) Acetophenone	7.204	105	419759	48.588	ng	99
24) Nitrobenzene	7.375	77	320155	49.308	ng	100
25) Isophorone	7.616	82	521533	49.123	ng	99
26) 2-Nitrophenol	7.692	139	164623	50.962	ng	96
27) 2,4-Dimethylphenol	7.734	122	189037	50.093	ng	98
28) bis(2-Chloroethoxy)met...	7.822	93	336274	49.430	ng	100
29) 2,4-Dichlorophenol	7.939	162	251518	49.328	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	270897	48.788	ng	99
31) Naphthalene	8.098	128	878692	48.605	ng	100
32) Benzoic acid	7.863	122	202728	51.719	ng	99
33) 4-Chloroaniline	8.151	127	312251	49.471	ng	99
34) Hexachlorobutadiene	8.210	225	163240	48.971	ng	99
35) Caprolactam	8.522	113	76350	49.180	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	280911	49.736	ng	99
37) 2-Methylnaphthalene	8.786	142	572244	48.643	ng	99
38) 1-Methylnaphthalene	8.886	142	553503	48.579	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	266614	48.369	ng	98
41) Hexachlorocyclopentadiene	8.939	237	97674	53.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	177503	49.825	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141477.D
 Acq On : 06 Feb 2025 13:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Feb 06 16:00:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

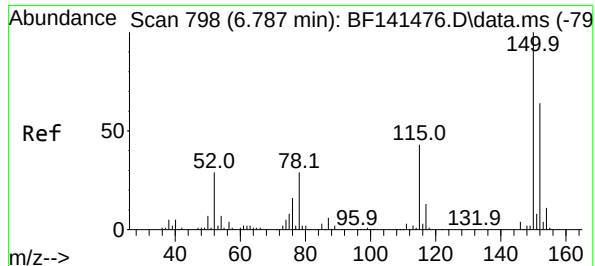
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	99
50) Dimethylphthalate	9.557	163	630673	48.760	ng	99
51) 2,6-Dinitrotoluene	9.616	165	140697	49.760	ng	98
52) Acenaphthene	9.863	154	527828	48.327	ng	100
53) 3-Nitroaniline	9.786	138	152426	50.087	ng	99
54) 2,4-Dinitrophenol	9.892	184	87953	52.339	ng	97
55) Dibenzofuran	10.033	168	777905	48.523	ng	100
56) 4-Nitrophenol	9.957	139	118835	52.603	ng	99
57) 2,4-Dinitrotoluene	10.022	165	185741	49.346	ng	98
58) Fluorene	10.380	166	590000	47.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	165559	49.807	ng	98
60) Diethylphthalate	10.251	149	619064	48.647	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	286530	48.048	ng	99
62) 4-Nitroaniline	10.404	138	151765	49.113	ng	99
63) Azobenzene	10.533	77	616638	48.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	114725	51.021	ng	97
66) n-Nitrosodiphenylamine	10.492	169	505770	48.810	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	177761	49.135	ng	98
68) Hexachlorobenzene	10.927	284	180930	48.567	ng	98
69) Atrazine	11.022	200	149758	48.175	ng	98
70) Pentachlorophenol	11.122	266	128081	53.769	ng	99
71) Phenanthrene	11.339	178	866517	48.631	ng	100
72) Anthracene	11.392	178	877393	48.984	ng	99
73) Carbazole	11.551	167	781733	48.504	ng	100
74) Di-n-butylphthalate	11.880	149	915782	49.210	ng	100
75) Fluoranthene	12.527	202	913699	48.367	ng	100
77) Benzidine	12.651	184	222606	49.026	ng	99
78) Pyrene	12.757	202	913198	52.106	ng	100
80) Butylbenzylphthalate	13.380	149	310612	51.168	ng	99
81) Benzo(a)anthracene	13.951	228	673785	49.234	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	186802	47.650	ng	98
83) Chrysene	13.986	228	625572	49.505	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	350121	51.138	ng	100
85) Di-n-octyl phthalate	14.563	149	519741	53.213	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	586584	54.277	ng	99
88) Benzo(b)fluoranthene	14.998	252	590149	50.251	ng	99
89) Benzo(k)fluoranthene	15.027	252	469466	46.814	ng	100
90) Benzo(a)pyrene	15.357	252	467288	49.173	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	477285	54.503	ng	99
92) Benzo(g,h,i)perylene	17.304	276	500274	54.592	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

- 1
- 2
- 3
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- 14
- 15
- 16
- 17

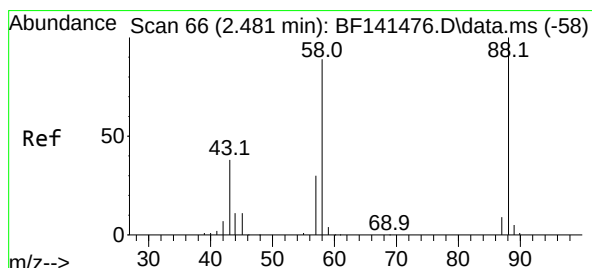
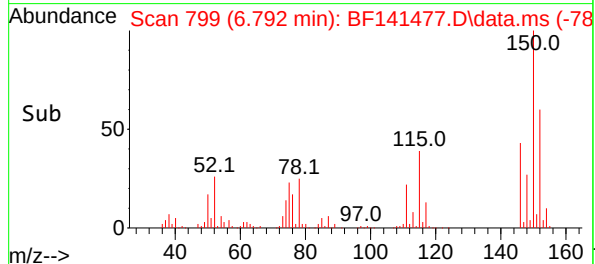
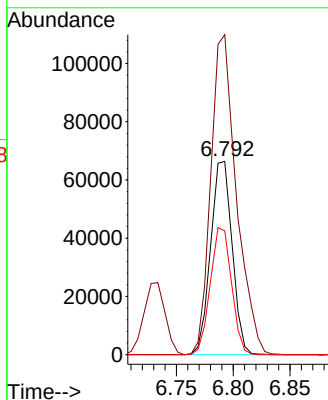
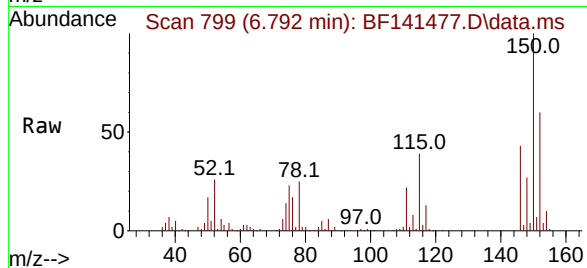




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

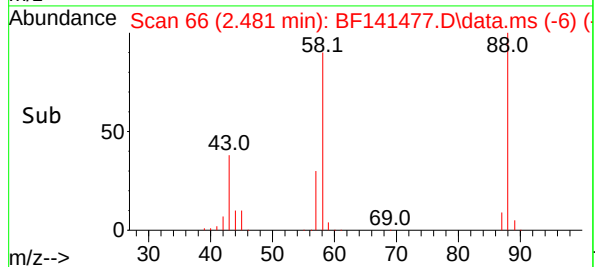
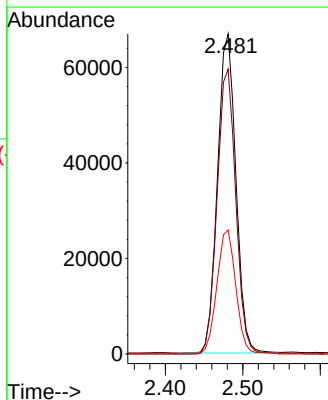
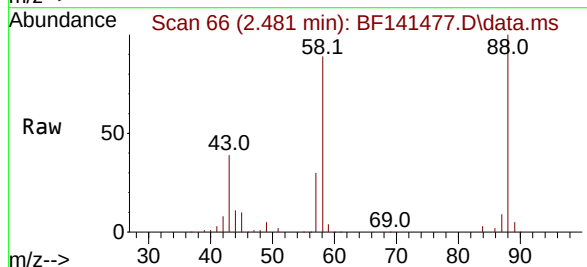
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

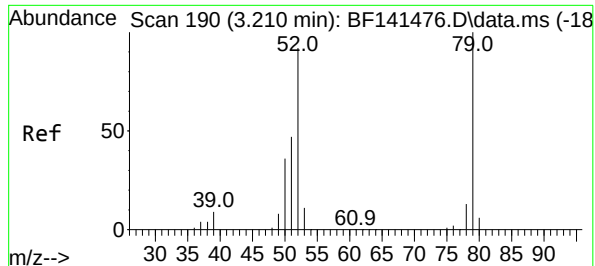
Tgt Ion:152 Resp: 87860
Ion Ratio Lower Upper
152 100
150 165.6 125.0 187.4
115 64.1 53.6 80.4



#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 88 Resp: 110258
Ion Ratio Lower Upper
88 100
58 90.6 71.1 106.7
43 40.1 30.6 46.0





#3

Pyridine

Concen: 51.419 ng

RT: 3.210 min Scan# 190

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

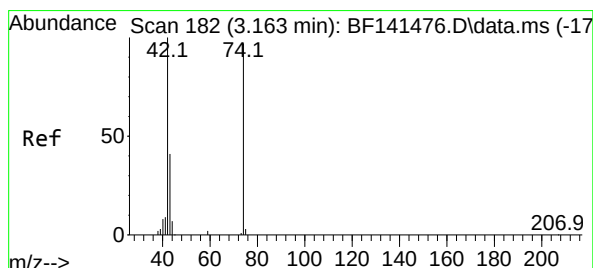
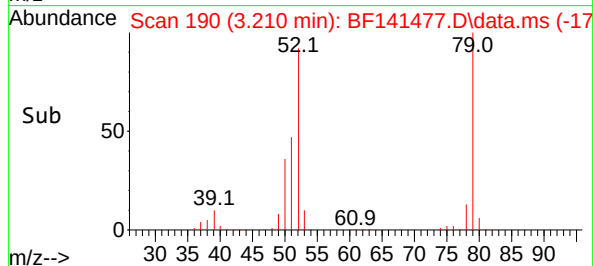
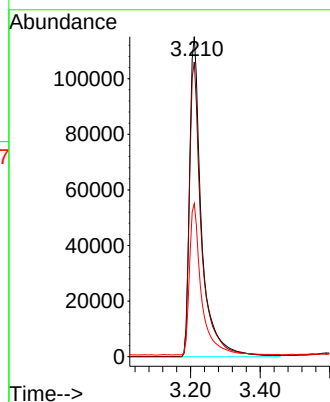
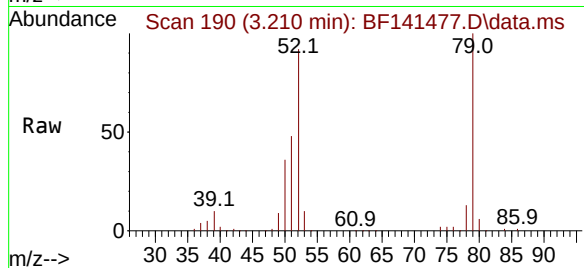
Tgt Ion: 79 Resp: 275985

Ion Ratio Lower Upper

79 100

52 92.1 73.7 110.5

51 47.9 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 51.575 ng

RT: 3.169 min Scan# 183

Delta R.T. -0.018 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

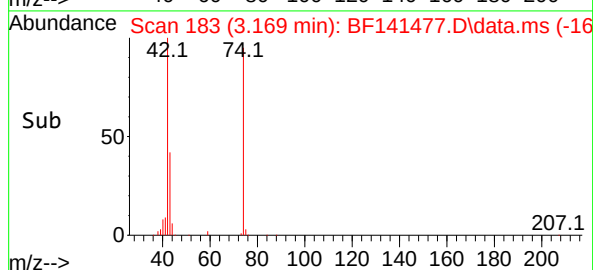
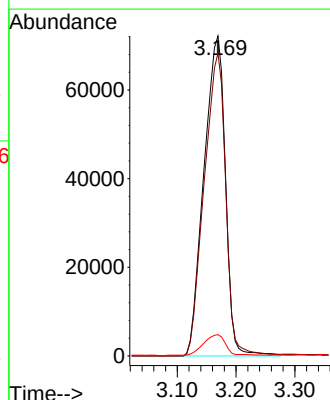
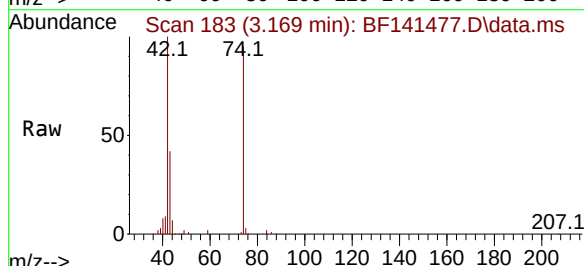
Tgt Ion: 42 Resp: 183299

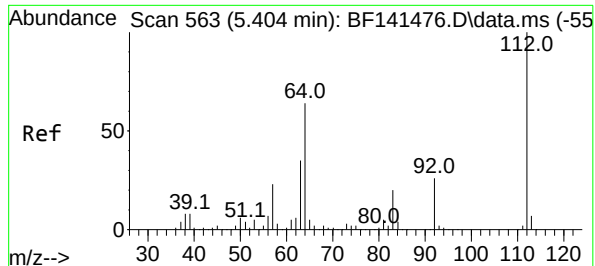
Ion Ratio Lower Upper

42 100

74 94.6 78.0 117.0

44 6.7 5.4 8.2

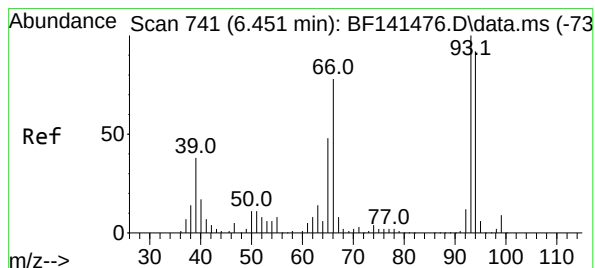
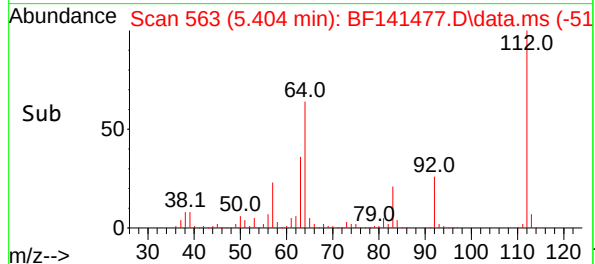
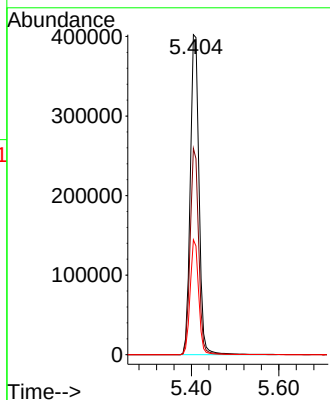
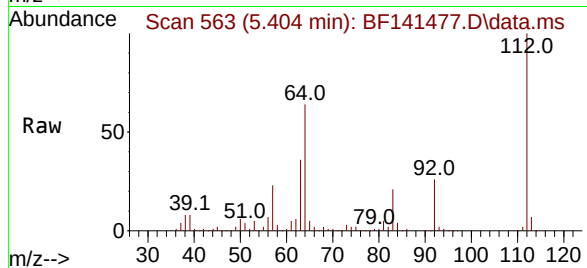




#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

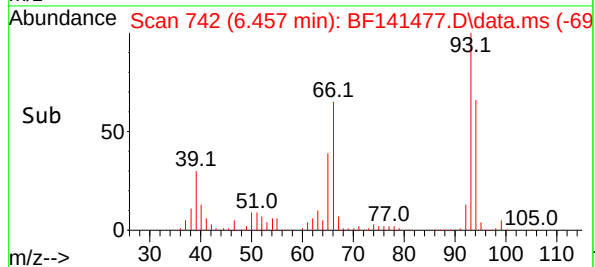
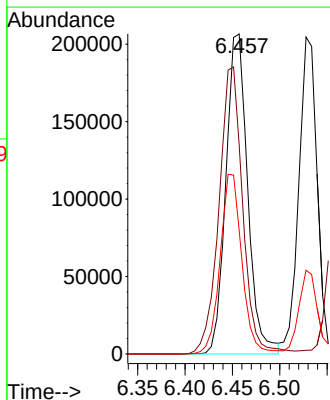
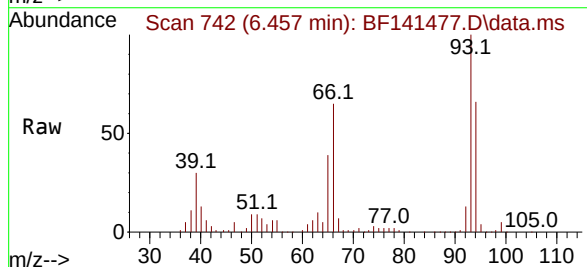
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

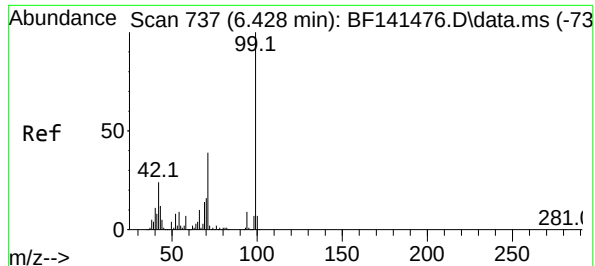
Tgt Ion:112 Resp: 559309
Ion Ratio Lower Upper
112 100
64 64.4 51.1 76.7
63 35.9 28.4 42.6



#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 330719
Ion Ratio Lower Upper
93 100
66 65.4 62.6 94.0
65 38.7 38.3 57.5

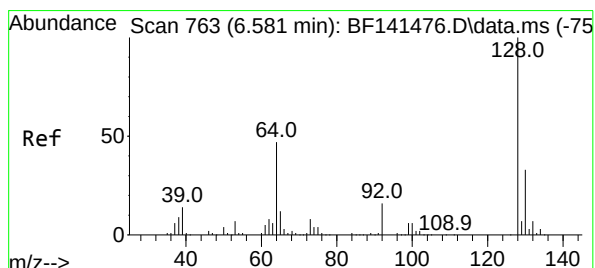
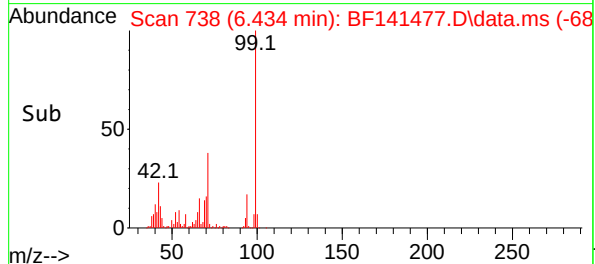
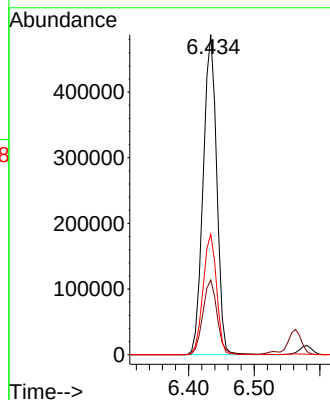
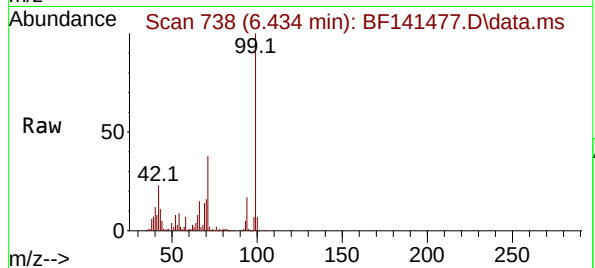




#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

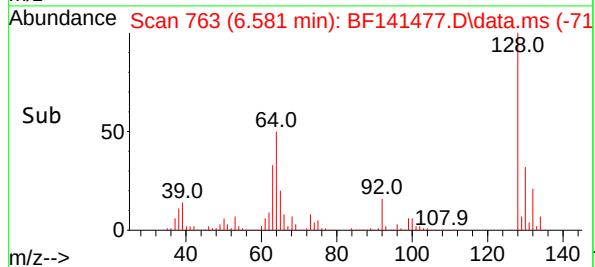
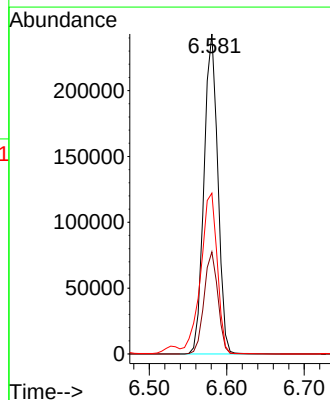
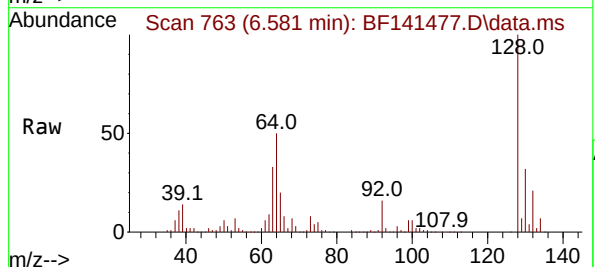
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

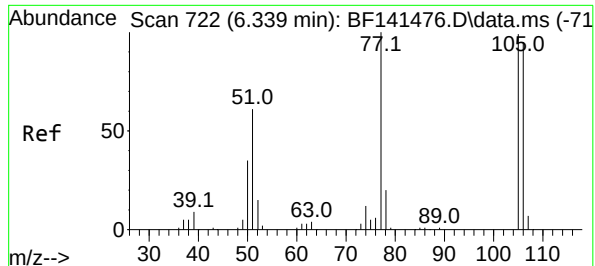
Tgt Ion: 99 Resp: 702435
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 37.6 31.1 46.7



#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 128 Resp: 300380
Ion Ratio Lower Upper
128 100
130 31.9 12.7 52.7
64 50.3 28.3 68.3

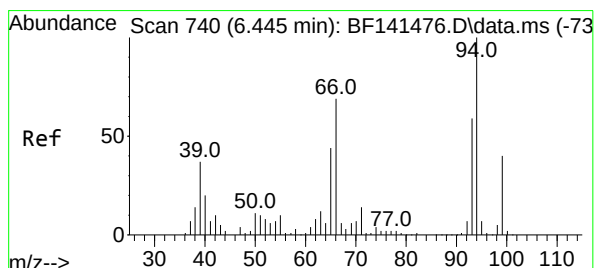
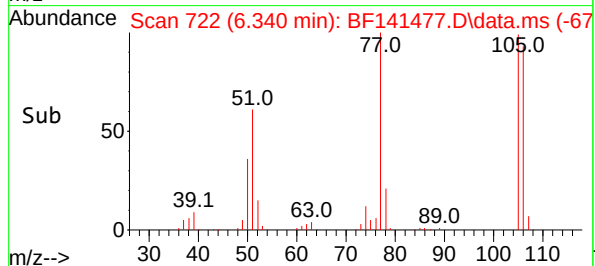
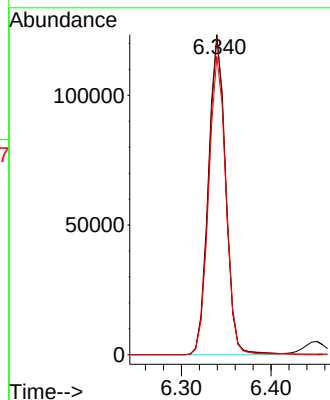
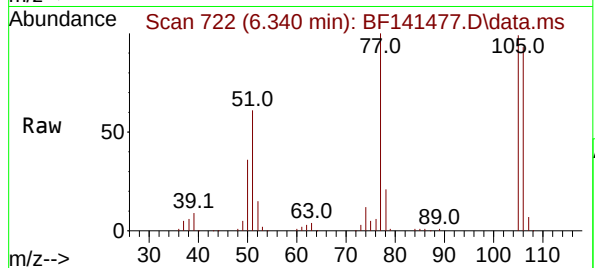




#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

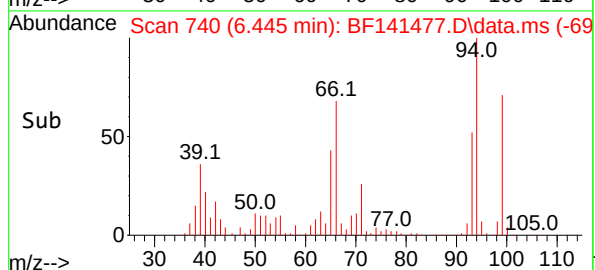
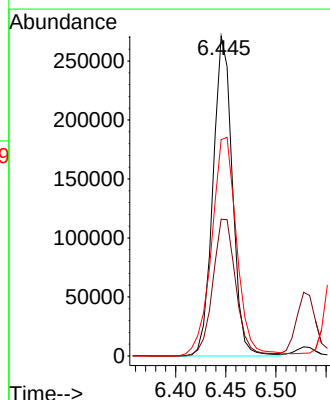
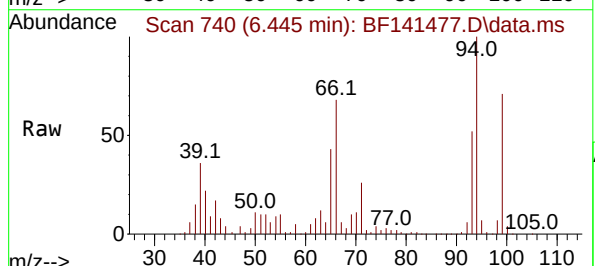
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

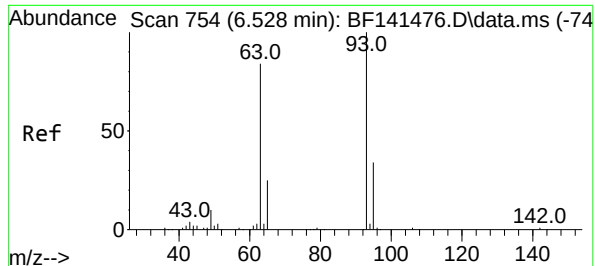
Tgt Ion: 77 Resp: 164133
Ion Ratio Lower Upper
77 100
105 98.9 79.4 119.4
106 93.2 75.1 115.1



#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 94 Resp: 364380
Ion Ratio Lower Upper
94 100
65 42.8 23.7 63.7
66 67.6 49.3 89.3

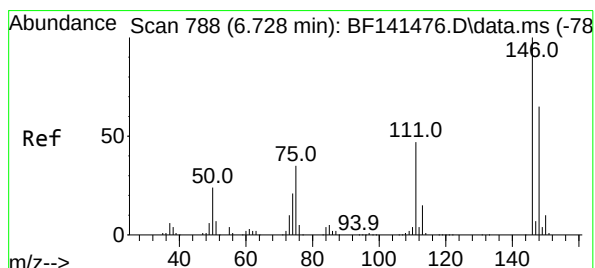
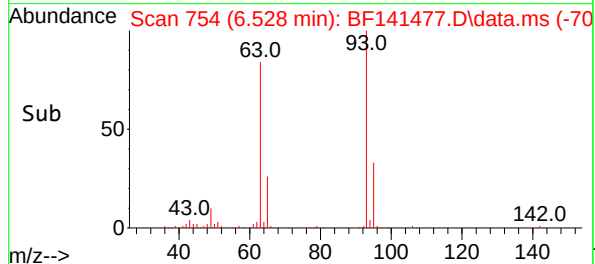
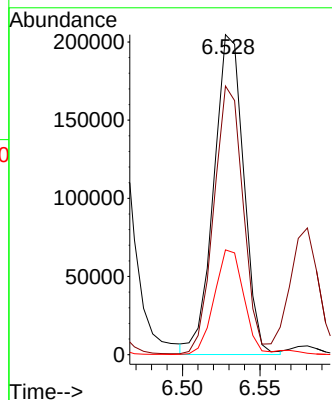
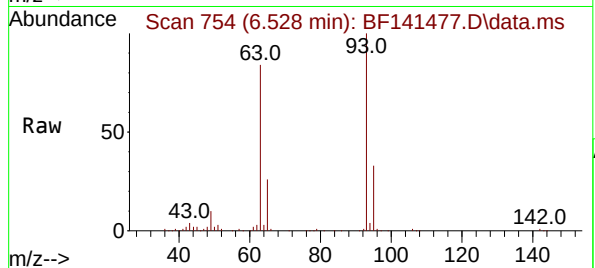




#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

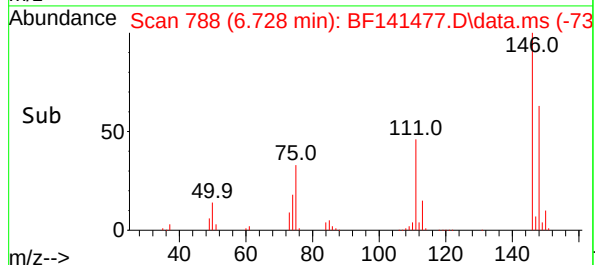
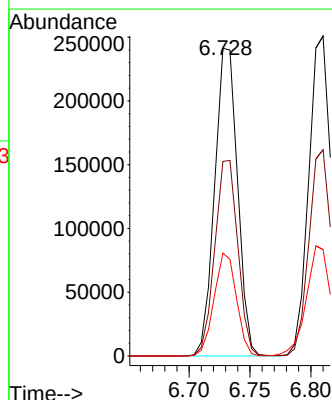
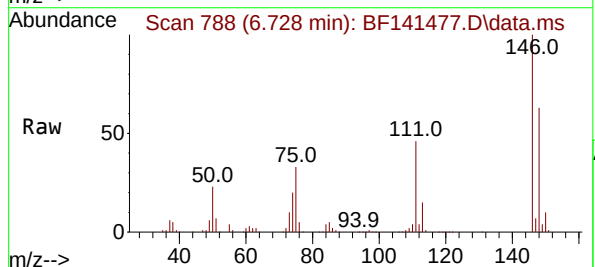
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

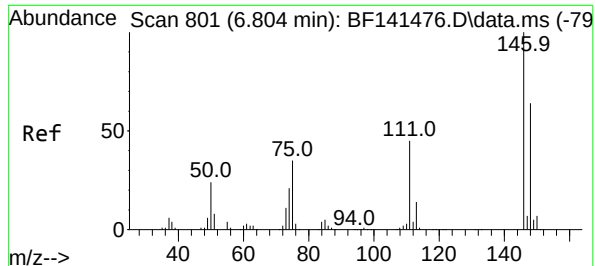
Tgt Ion: 93 Resp: 274892
Ion Ratio Lower Upper
93 100
63 83.9 62.0 102.0
95 32.8 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 146 Resp: 316493
Ion Ratio Lower Upper
146 100
148 63.2 51.9 77.9
75 33.4 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 49.264 ng

RT: 6.810 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

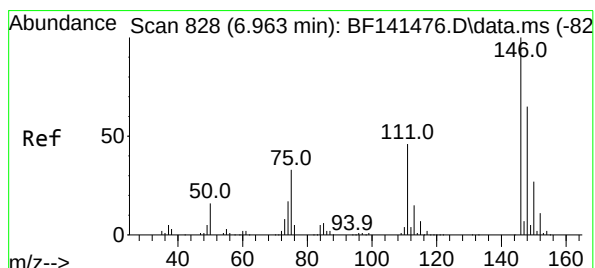
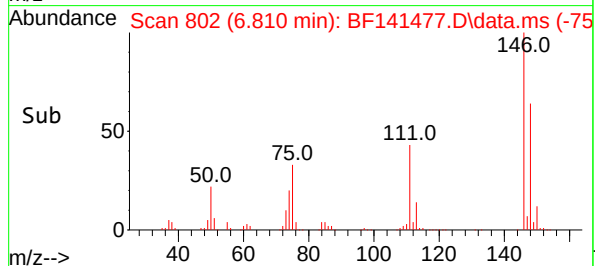
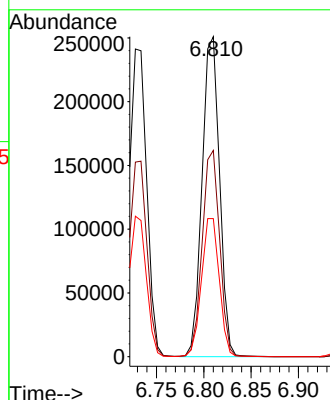
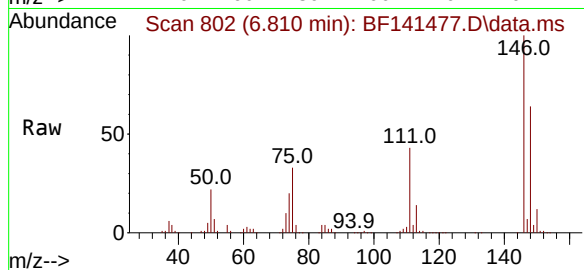
Tgt Ion:146 Resp: 321786

Ion Ratio Lower Upper

146 100

148 64.5 50.9 76.3

111 43.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 48.964 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

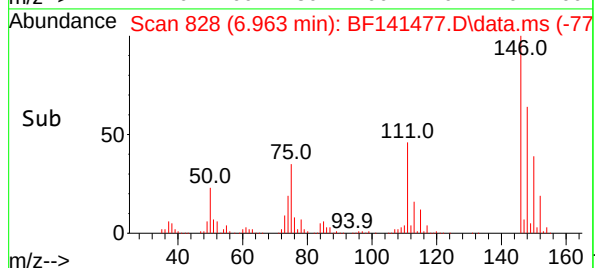
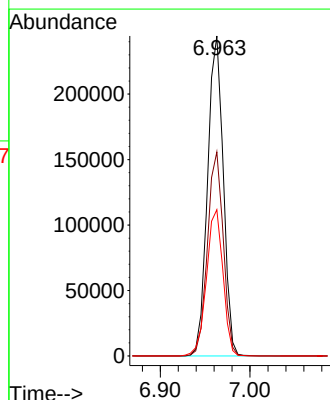
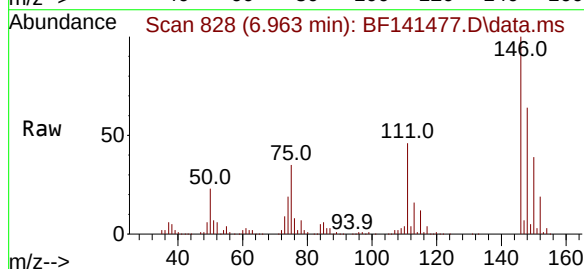
Tgt Ion:146 Resp: 296834

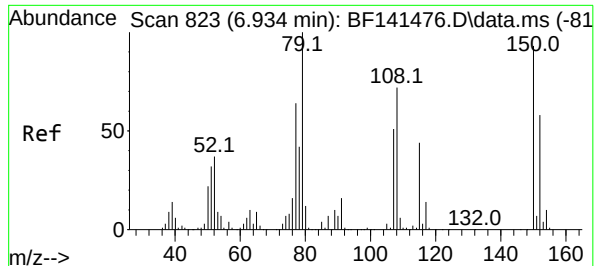
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

111 45.7 37.0 55.4





#15

Benzyl Alcohol

Concen: 50.451 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

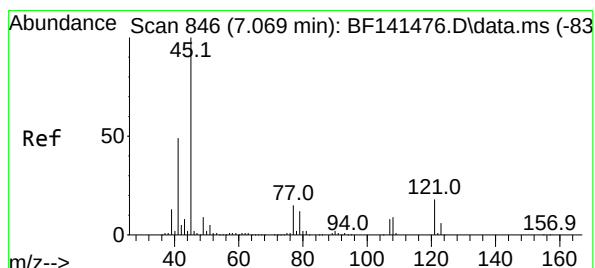
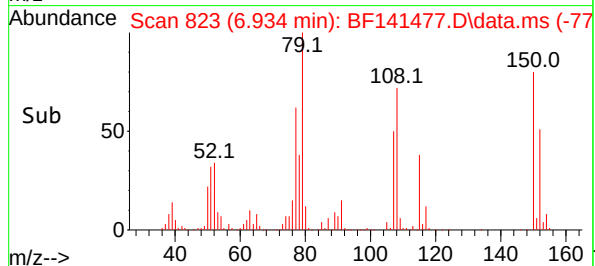
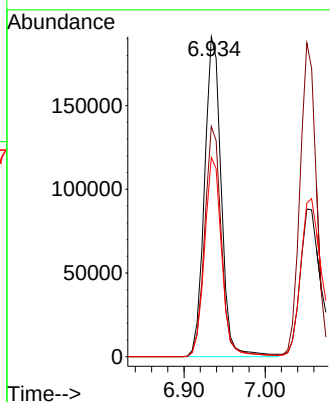
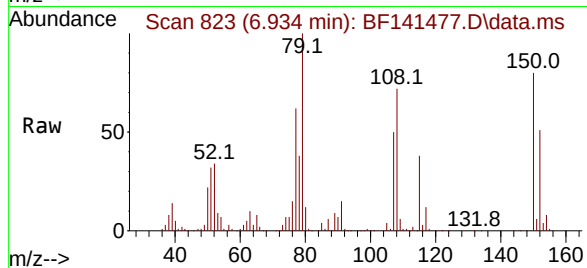
Tgt Ion: 79 Resp: 274040

Ion Ratio Lower Upper

79 100

108 71.9 57.4 86.2

77 62.3 50.9 76.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 49.091 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

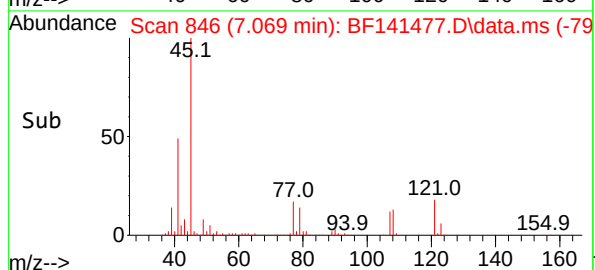
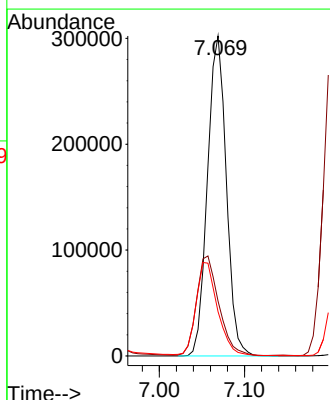
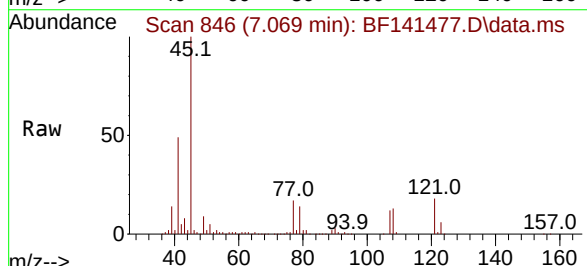
Tgt Ion: 45 Resp: 465332

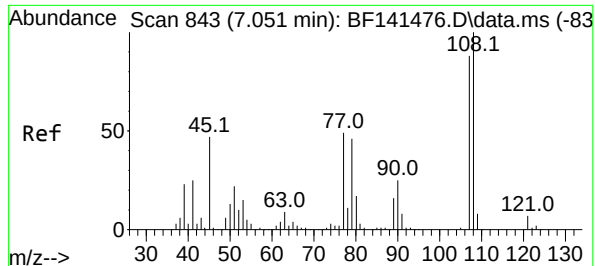
Ion Ratio Lower Upper

45 100

77 17.2 0.0 35.8

79 13.9 0.0 32.7

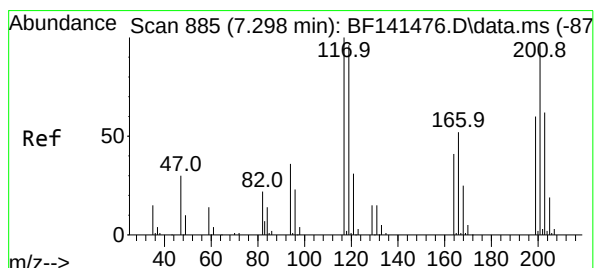
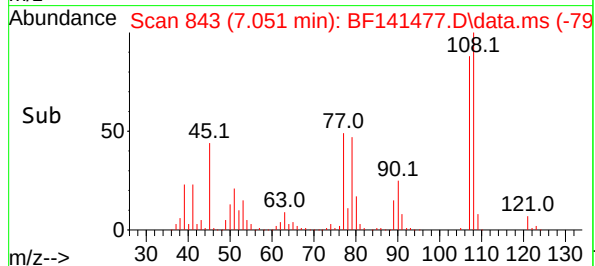
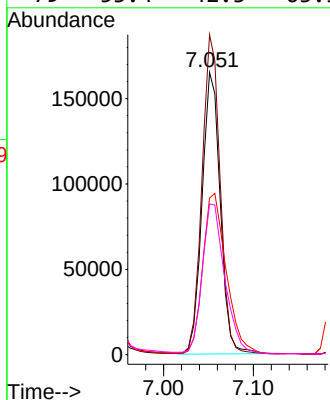
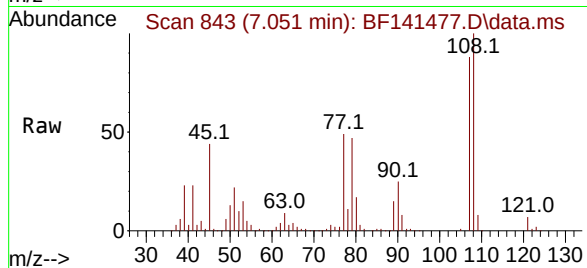




#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

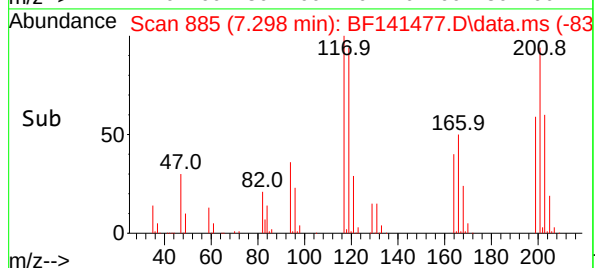
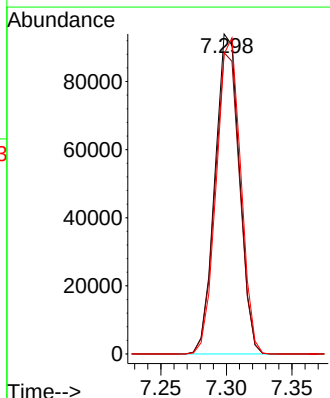
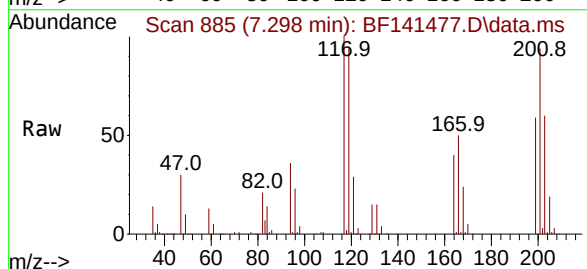
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

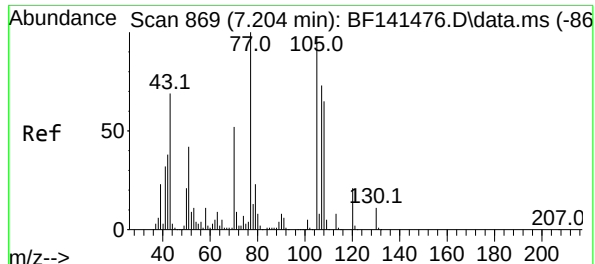
Tgt Ion:	107	Resp:	232571
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.4	44.4	66.6
79	53.4	42.3	63.5



#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:	117	Resp:	122071
Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
201	93.8	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 49.072 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141477.D

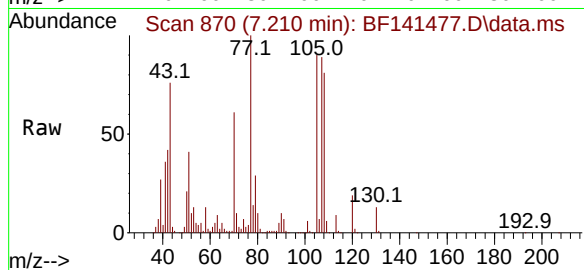
Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

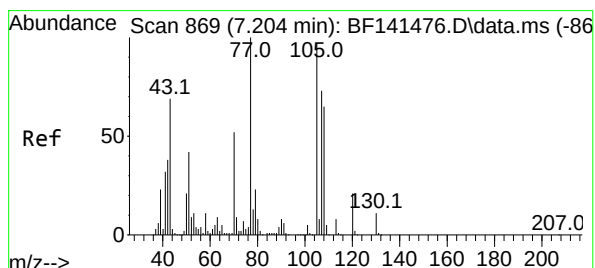
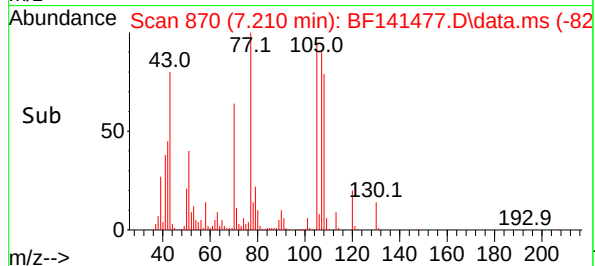
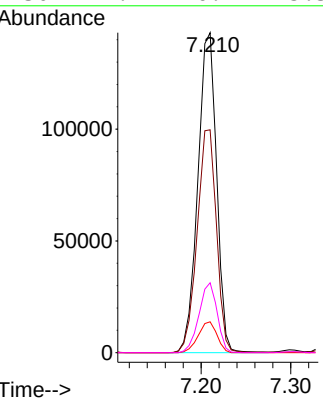
ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 207915

Ion	Ratio	Lower	Upper
70	100		
42	69.6	57.4	86.2
101	9.6	8.0	12.0
130	21.9	16.9	25.3



#20

3+4-Methylphenols

Concen: 49.011 ng

RT: 7.204 min Scan# 869

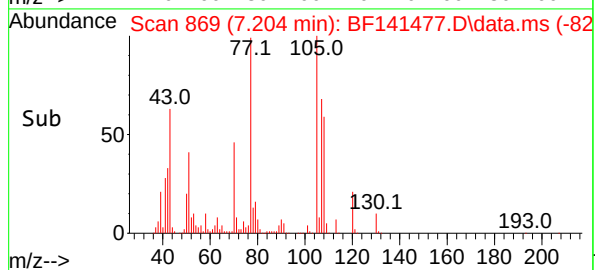
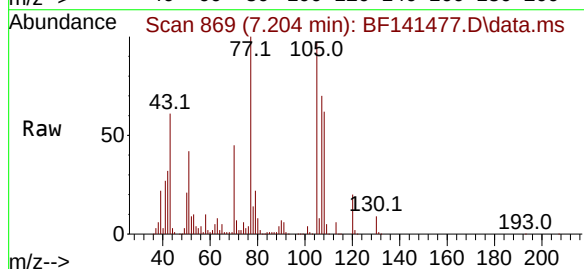
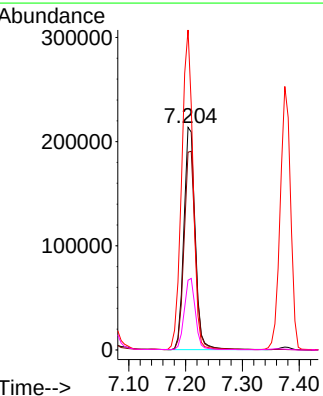
Delta R.T. -0.012 min

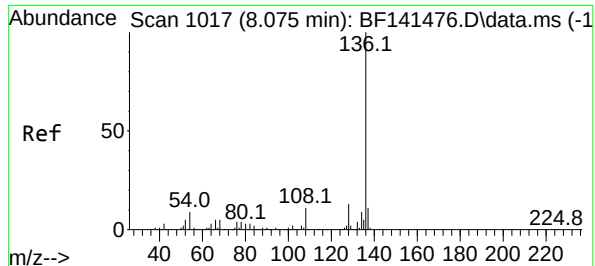
Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 107 Resp: 295179

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	143.8	116.5	156.5
79	31.4	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF141477.D

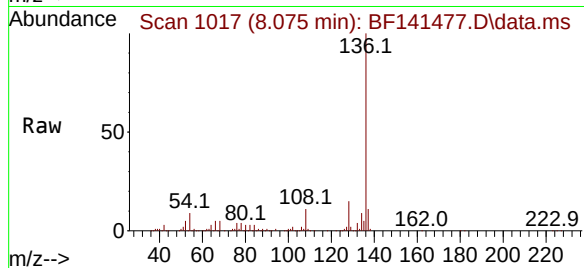
Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:136 Resp: 347298

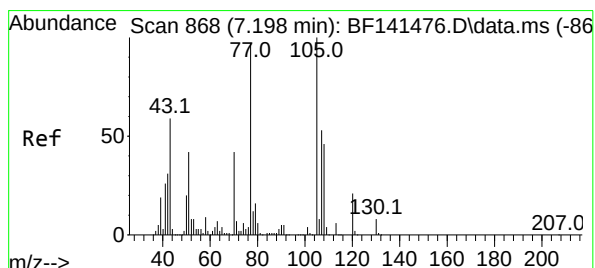
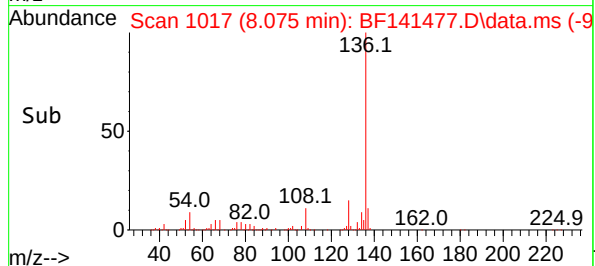
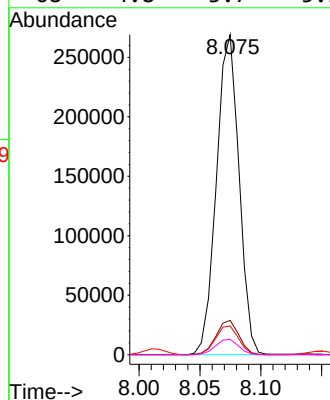
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.0 7.2 10.8

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 48.588 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:105 Resp: 419759

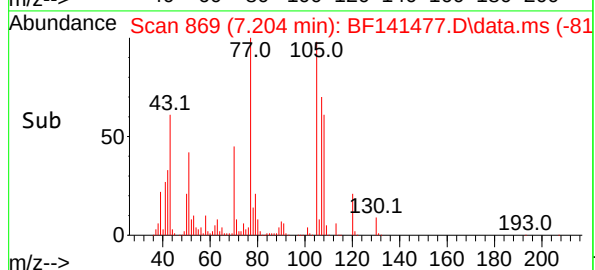
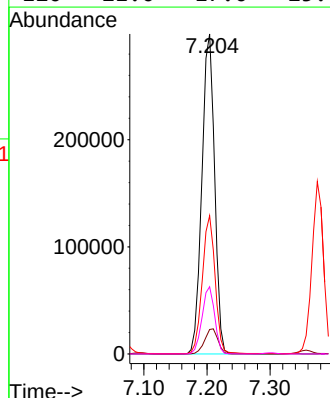
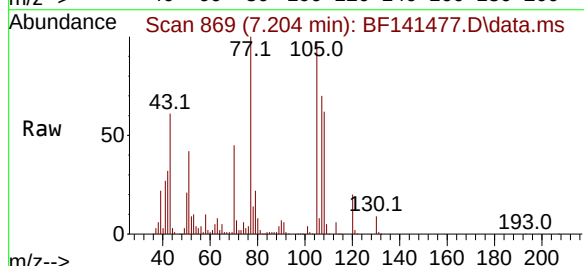
Ion Ratio Lower Upper

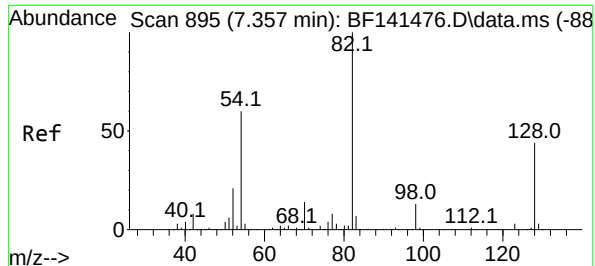
105 100

71 7.7 5.7 8.5

51 43.2 33.7 50.5

120 21.0 17.0 25.6





#23

Nitrobenzene-d5

Concen: 98.686 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

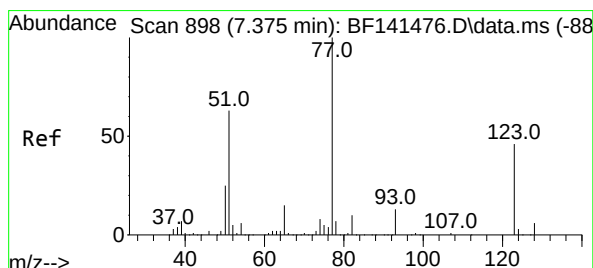
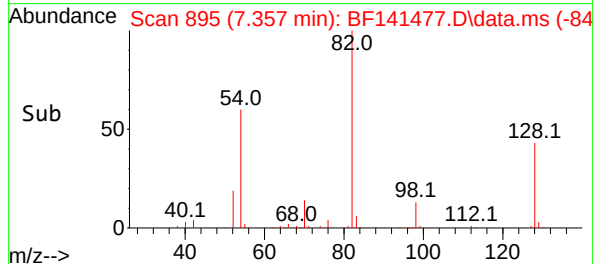
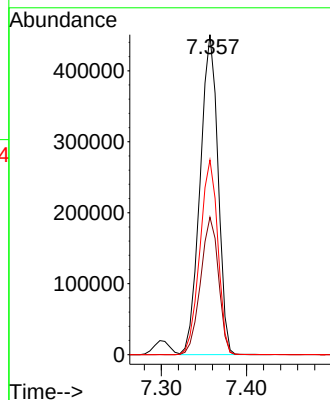
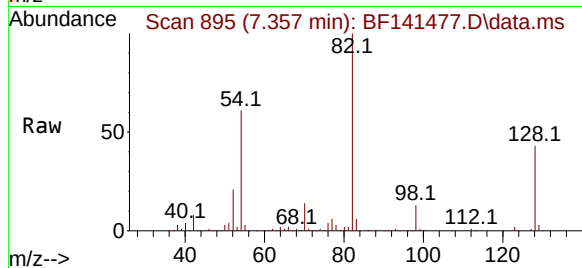
Tgt Ion: 82 Resp: 657106

Ion Ratio Lower Upper

82 100

128 42.9 34.8 52.2

54 60.9 48.2 72.4



#24

Nitrobenzene

Concen: 49.308 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

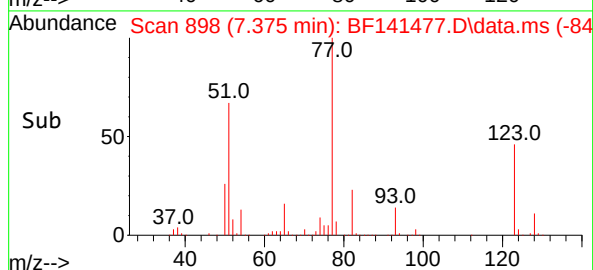
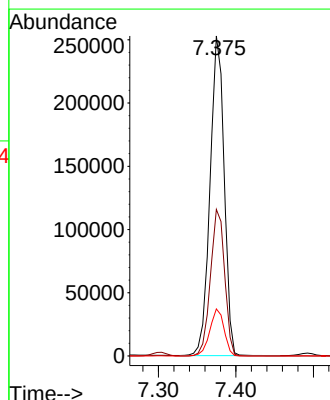
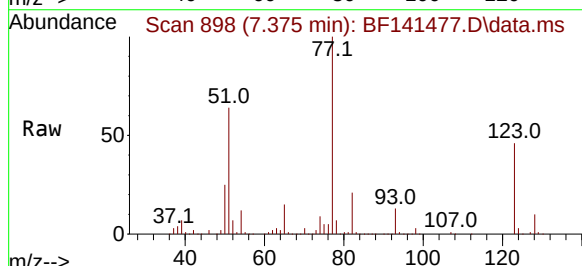
Tgt Ion: 77 Resp: 320155

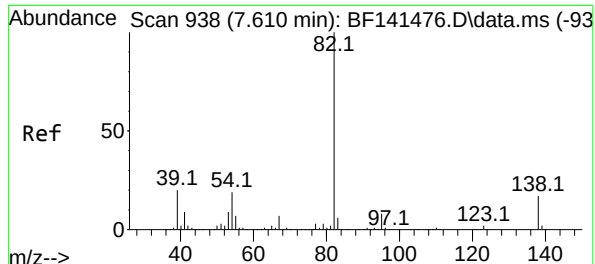
Ion Ratio Lower Upper

77 100

123 45.8 36.9 55.3

65 14.7 11.9 17.9





#25

Isophorone

Concen: 49.123 ng

RT: 7.616 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

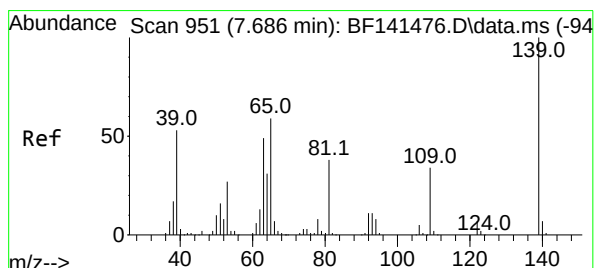
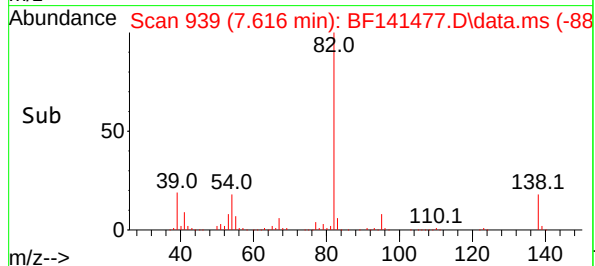
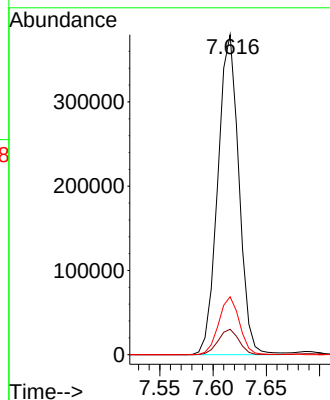
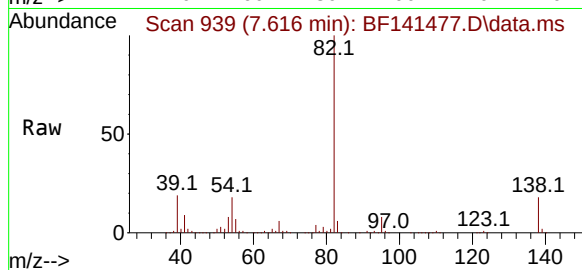
Tgt Ion: 82 Resp: 521533

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 18.1 13.9 20.9



#26

2-Nitrophenol

Concen: 50.962 ng

RT: 7.692 min Scan# 952

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

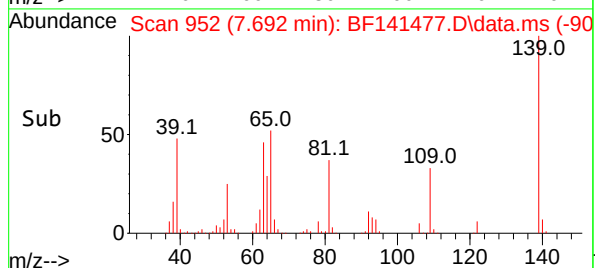
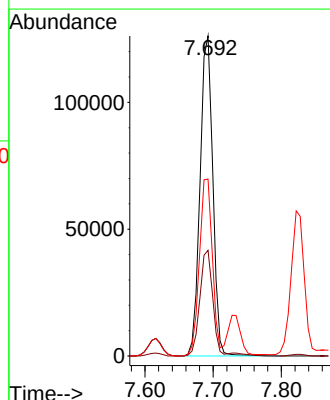
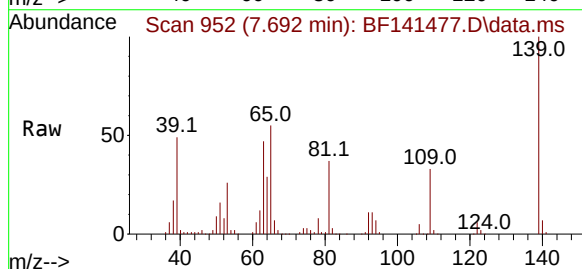
Tgt Ion: 139 Resp: 164623

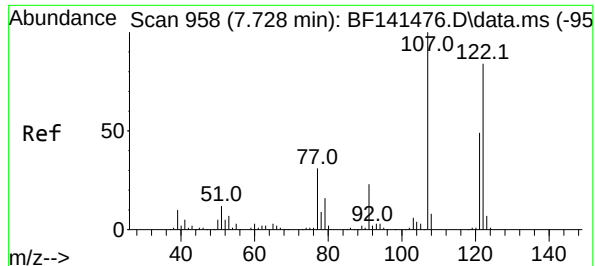
Ion Ratio Lower Upper

139 100

109 33.0 27.0 40.6

65 55.3 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 50.093 ng

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

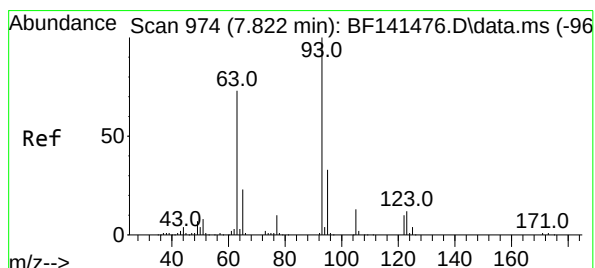
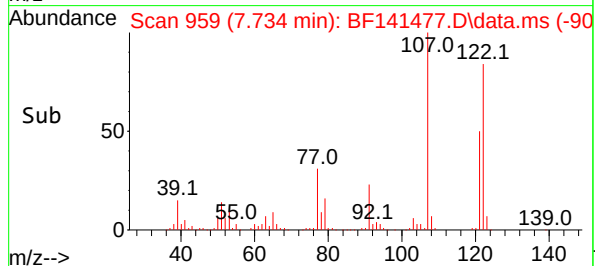
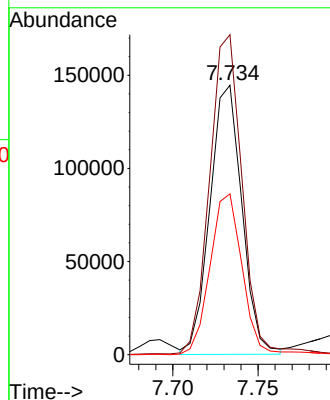
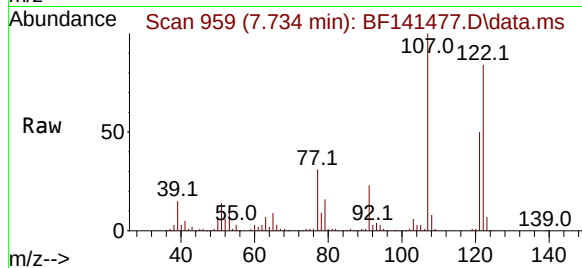
Tgt Ion:122 Resp: 189037

Ion Ratio Lower Upper

122 100

107 118.8 94.3 141.5

121 59.7 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 49.430 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

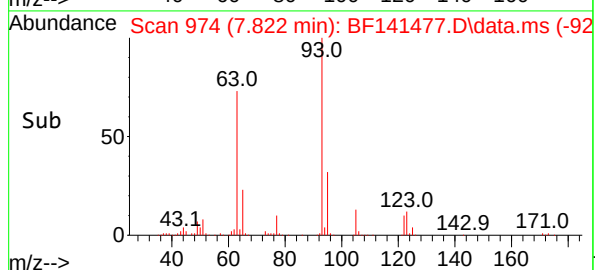
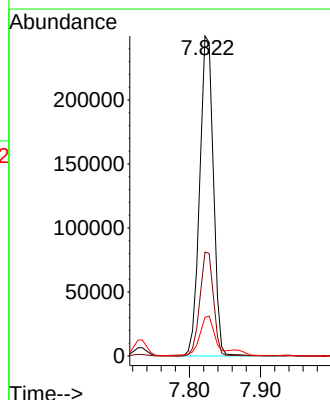
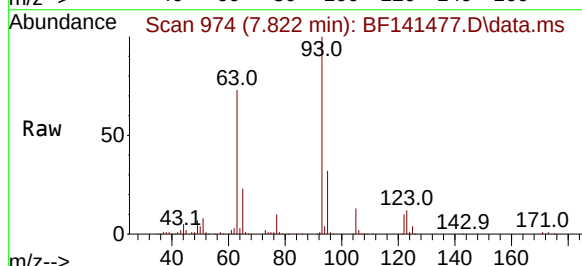
Tgt Ion: 93 Resp: 336274

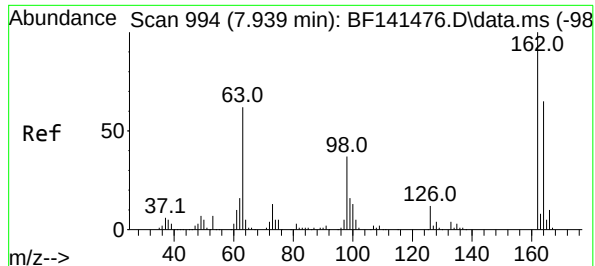
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 12.1 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 49.328 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

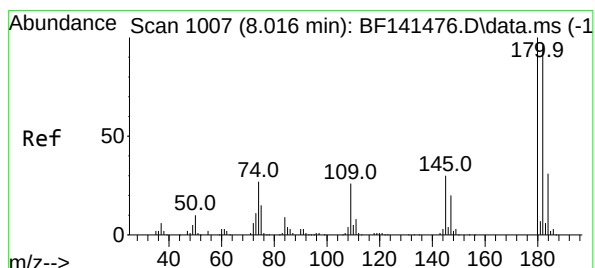
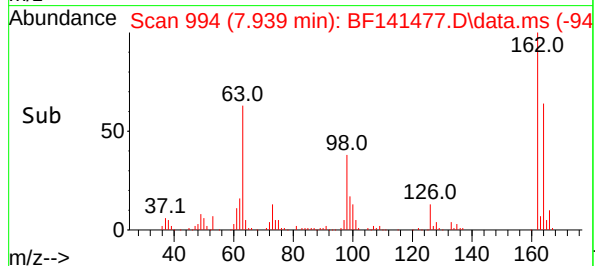
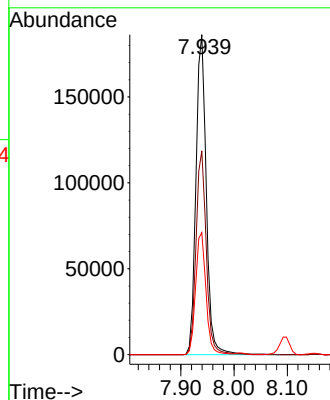
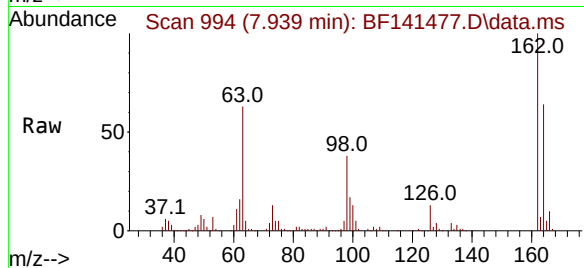
Tgt Ion:162 Resp: 251518

Ion Ratio Lower Upper

162 100

164 63.7 44.6 84.6

98 38.1 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 48.788 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

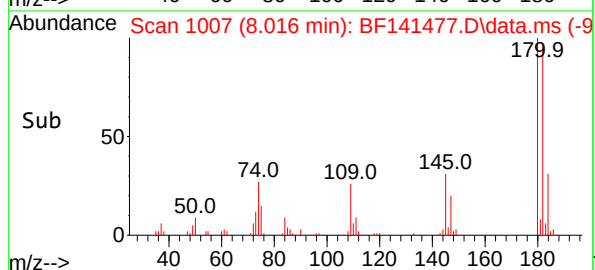
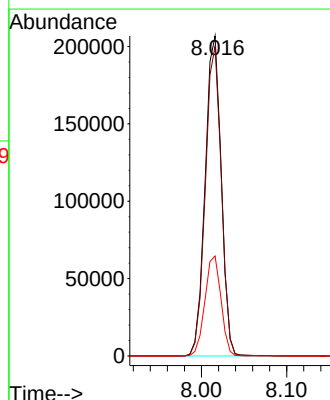
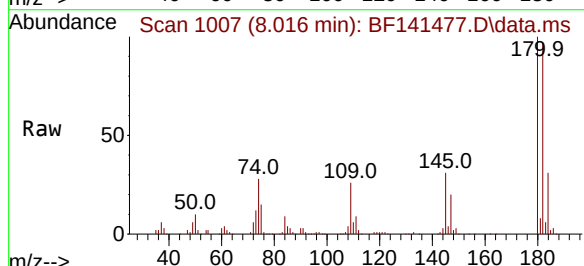
Tgt Ion:180 Resp: 270897

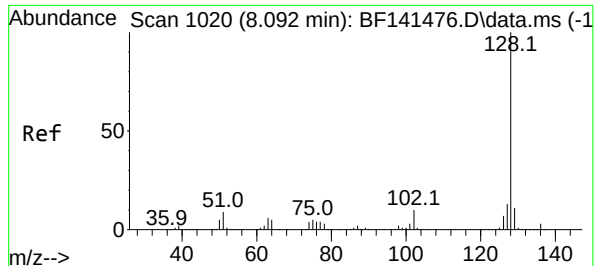
Ion Ratio Lower Upper

180 100

182 96.8 76.8 115.2

145 31.3 24.2 36.4





#31

Naphthalene

Concen: 48.605 ng

RT: 8.098 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

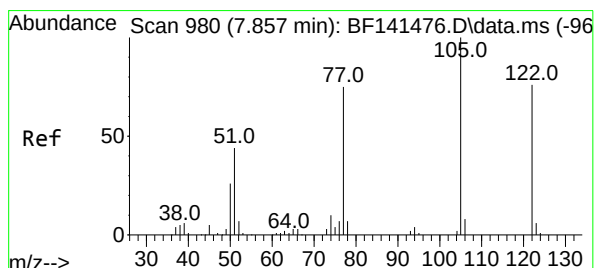
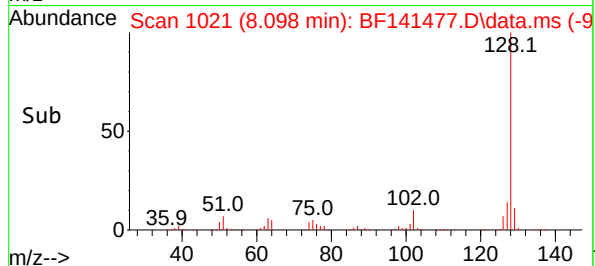
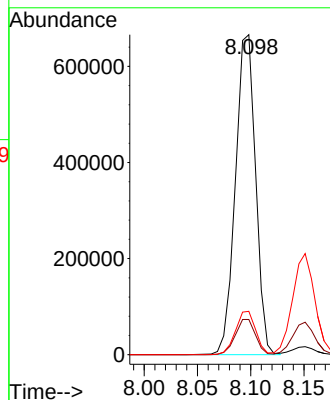
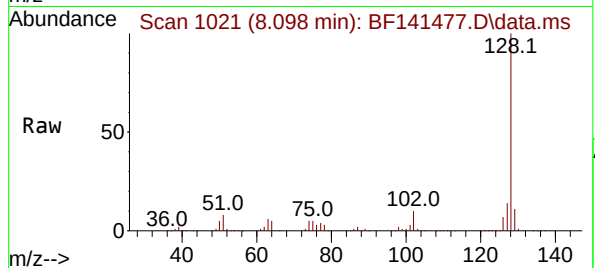
Tgt Ion:128 Resp: 878692

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.6 10.7 16.1



#32

Benzoic acid

Concen: 51.719 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.029 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

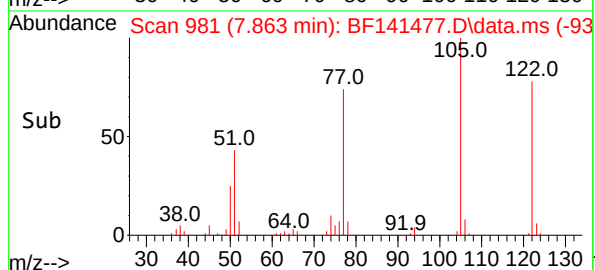
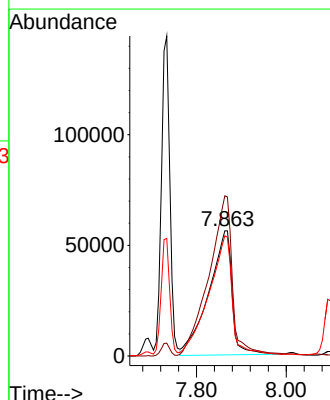
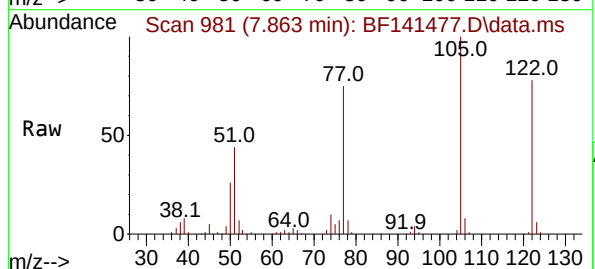
Tgt Ion:122 Resp: 202728

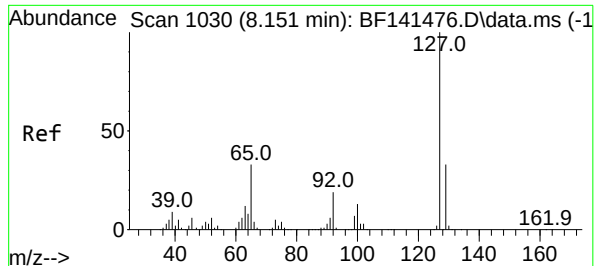
Ion Ratio Lower Upper

122 100

105 128.0 106.5 146.5

77 96.0 76.3 116.3

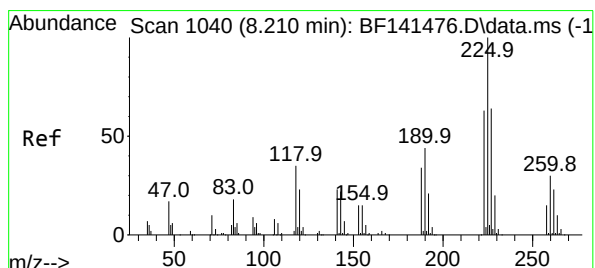
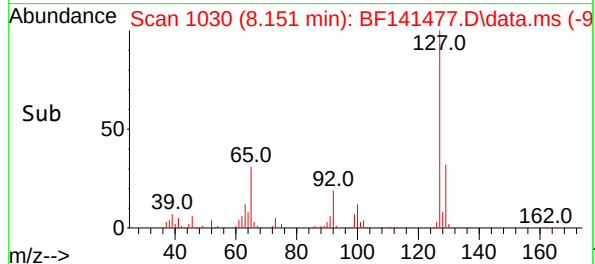
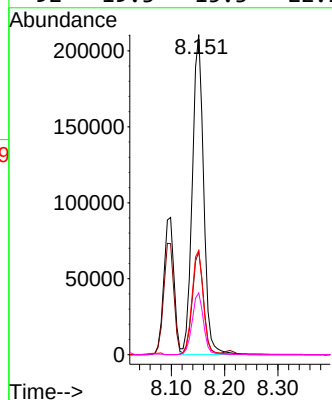
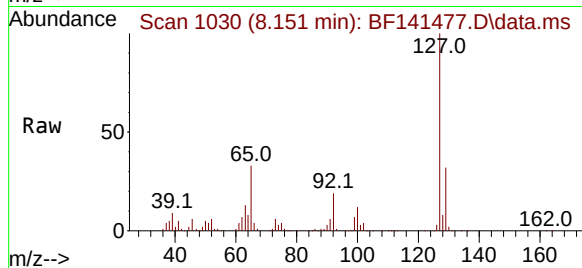




#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

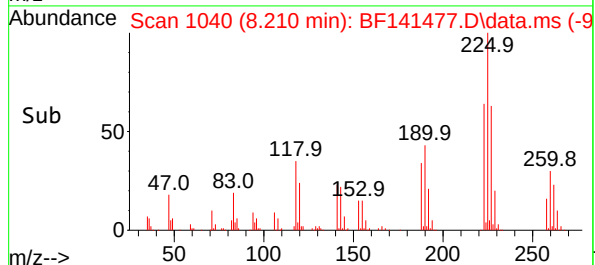
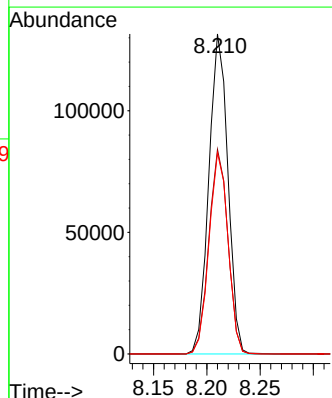
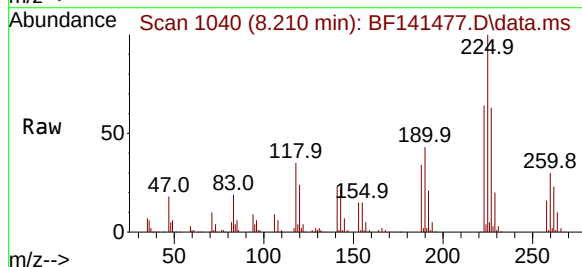
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

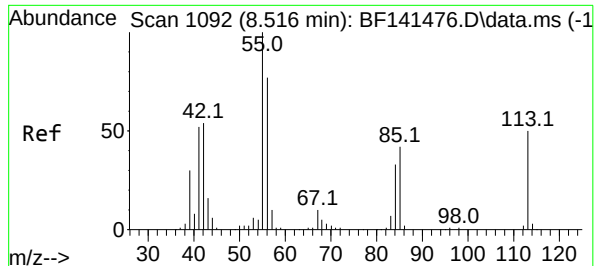
Tgt Ion:	127	Resp:	312251
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	32.6	26.4	39.6
92	19.3	15.3	22.9



#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:	225	Resp:	163240
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.8	51.0	76.6





#35

Caprolactam

Concen: 49.180 ng

RT: 8.522 min Scan# 1093

Delta R.T. -0.023 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

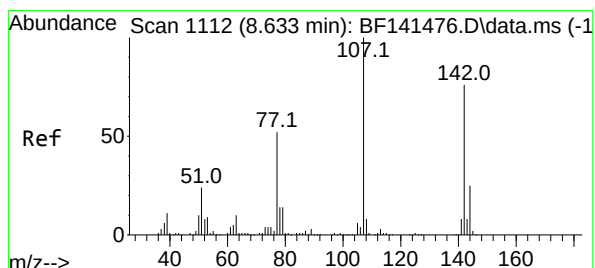
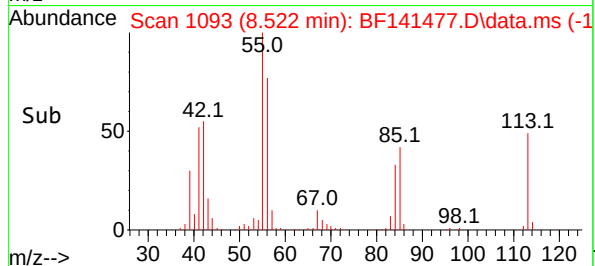
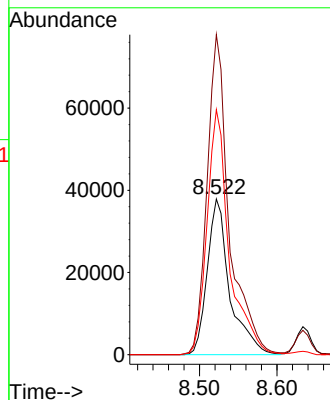
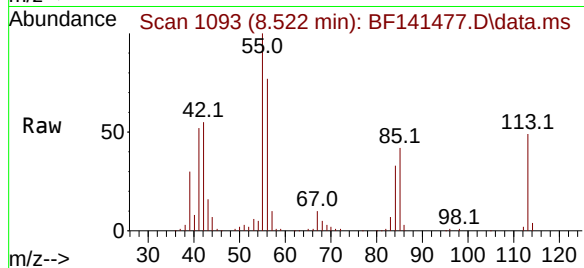
Tgt Ion:113 Resp: 76350

Ion Ratio Lower Upper

113 100

55 205.6 180.8 220.8

56 157.4 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 49.736 ng

RT: 8.633 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

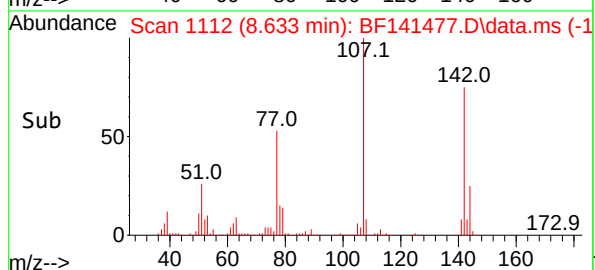
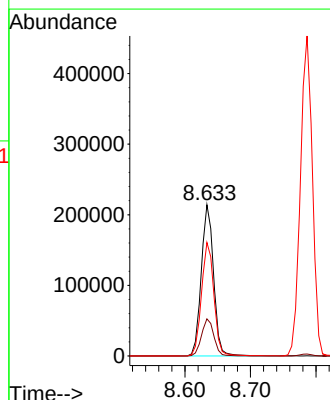
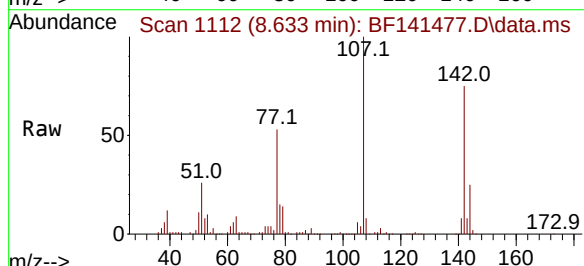
Tgt Ion:107 Resp: 280911

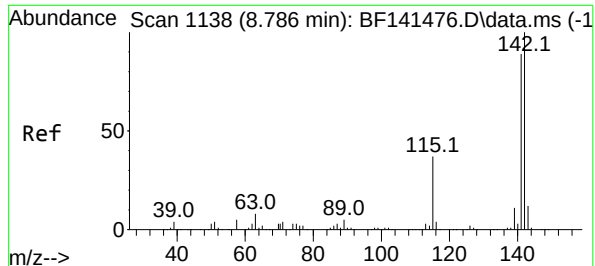
Ion Ratio Lower Upper

107 100

144 24.5 19.7 29.5

142 75.0 60.8 91.2





#37

2-Methylnaphthalene

Concen: 48.643 ng

RT: 8.786 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

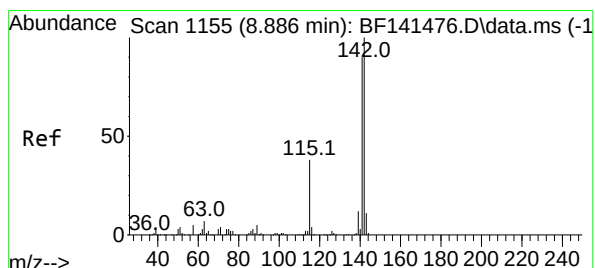
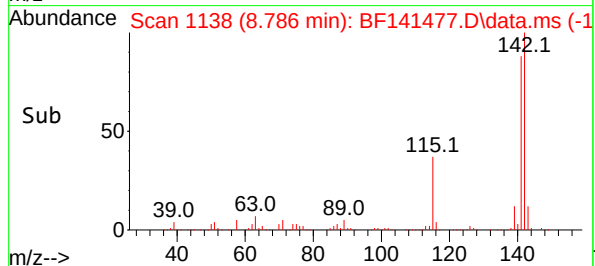
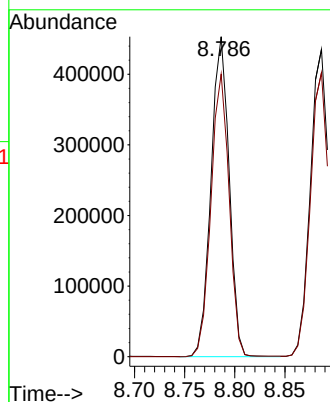
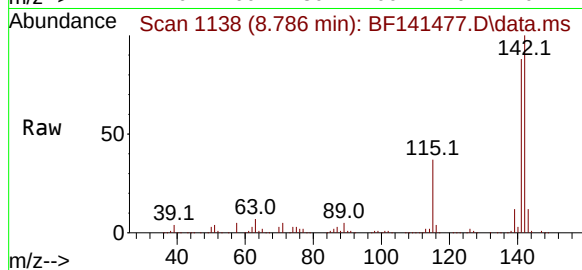
SSTDIC050

Tgt Ion:142 Resp: 572244

Ion Ratio Lower Upper

142 100

141 88.3 71.2 106.8



#38

1-Methylnaphthalene

Concen: 48.579 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF141477.D

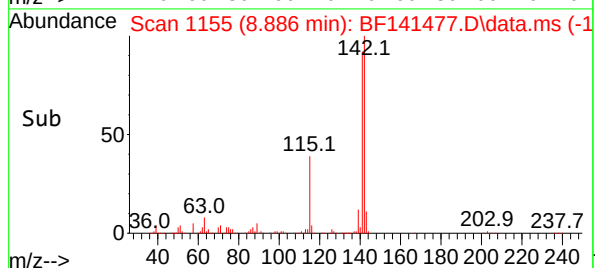
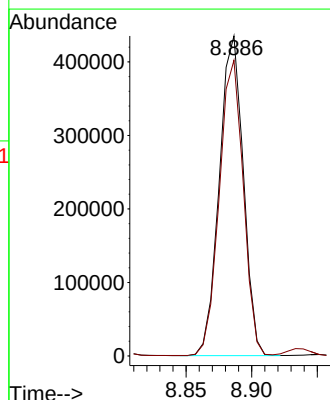
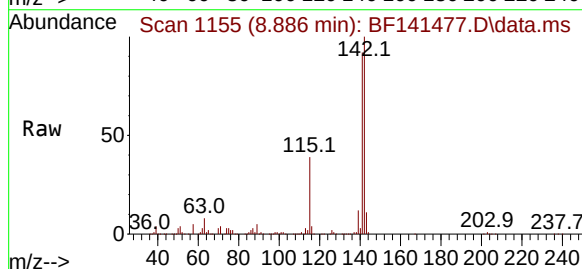
Acq: 06 Feb 2025 13:21

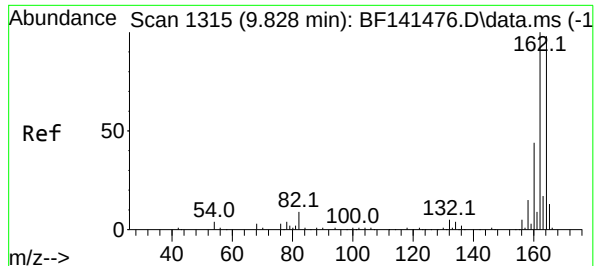
Tgt Ion:142 Resp: 553503

Ion Ratio Lower Upper

142 100

141 92.4 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

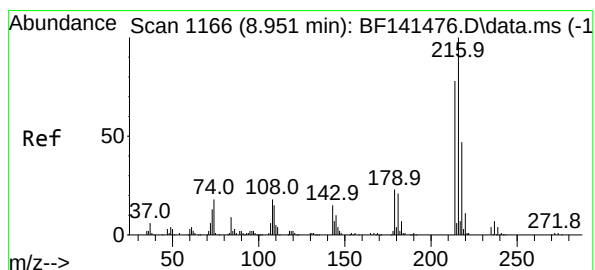
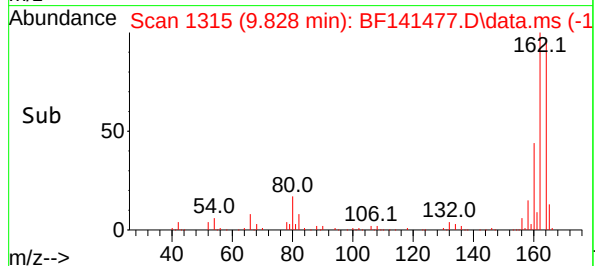
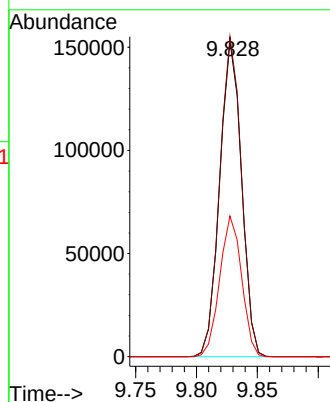
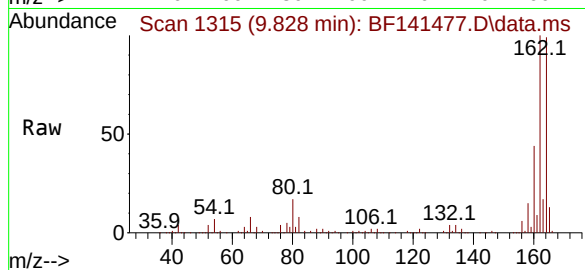
Tgt Ion:164 Resp: 190523

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

160 44.6 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.369 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:216 Resp: 266614

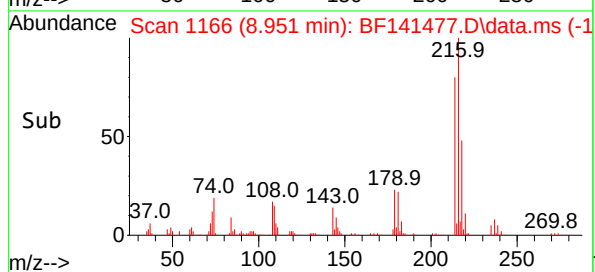
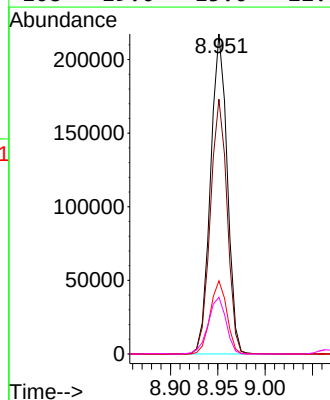
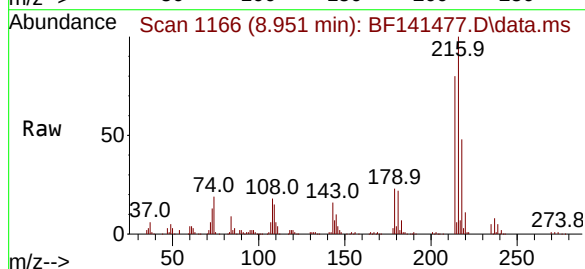
Ion Ratio Lower Upper

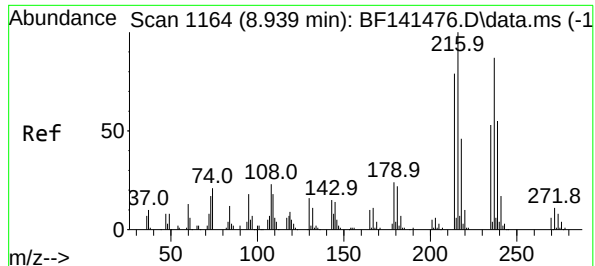
216 100

214 80.0 62.3 93.5

179 22.7 18.0 27.0

108 19.0 15.0 22.6

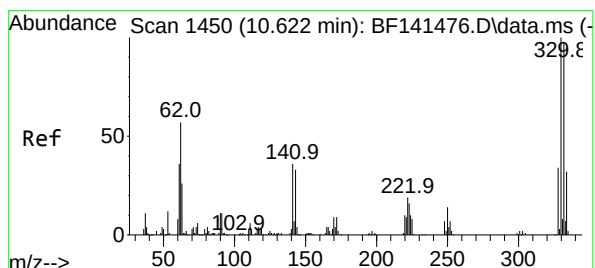
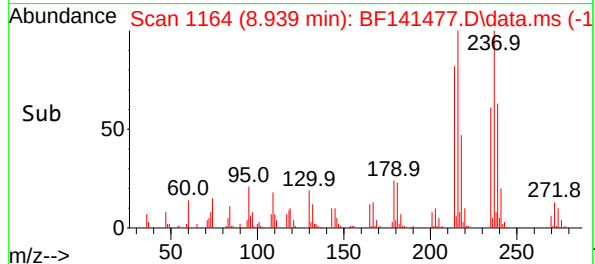
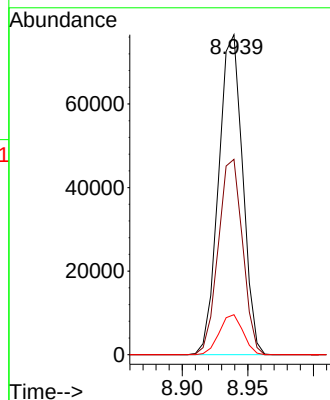
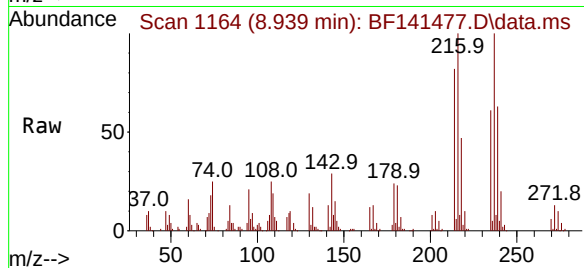




#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

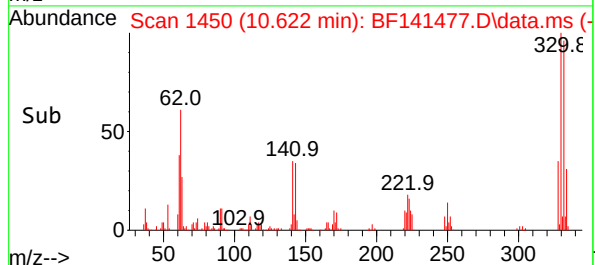
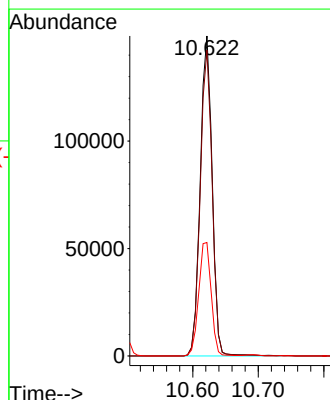
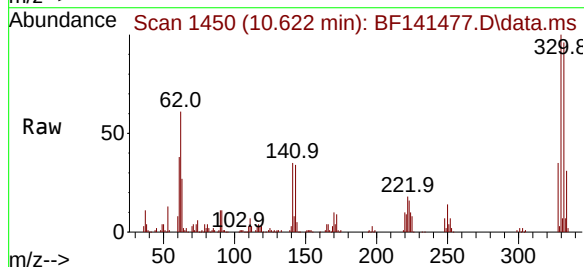
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

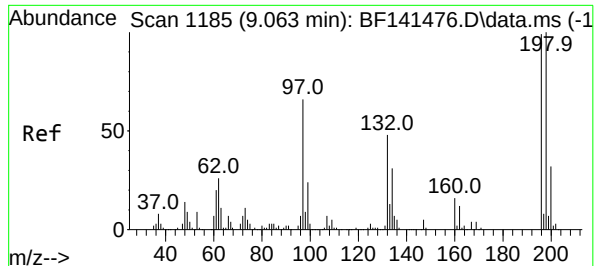
Tgt Ion:237 Resp: 97674
Ion Ratio Lower Upper
237 100
235 61.1 41.4 81.4
272 12.5 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:330 Resp: 189178
Ion Ratio Lower Upper
330 100
332 95.8 78.5 117.7
141 37.2 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 49.825 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

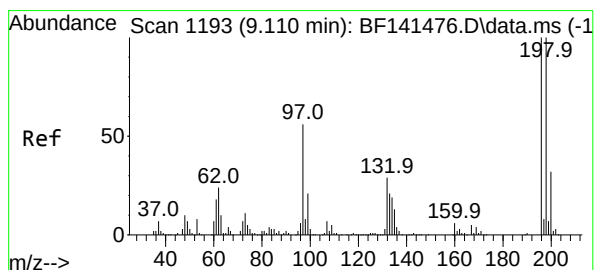
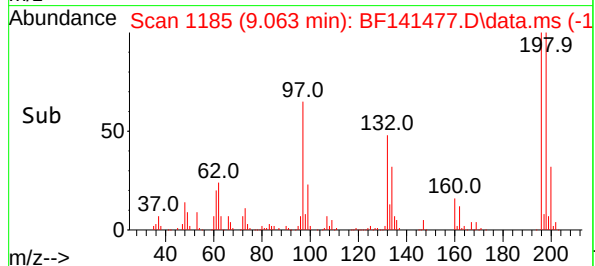
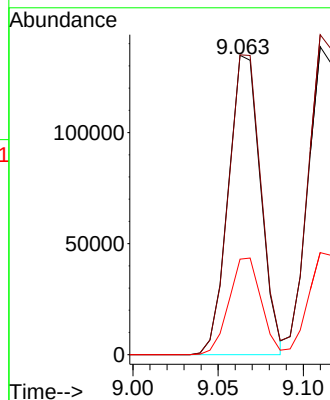
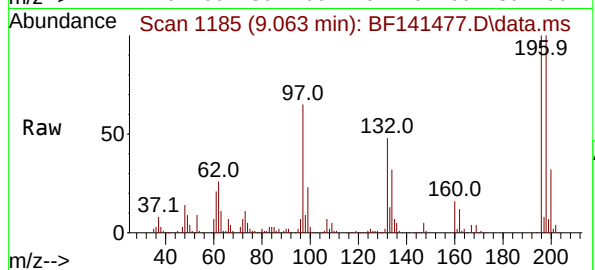
Tgt Ion:196 Resp: 177503

Ion Ratio Lower Upper

196 100

198 100.1 80.6 121.0

200 31.9 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 48.667 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:196 Resp: 187902

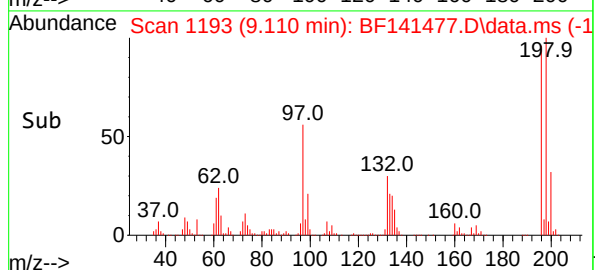
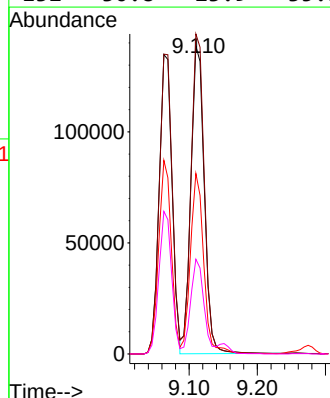
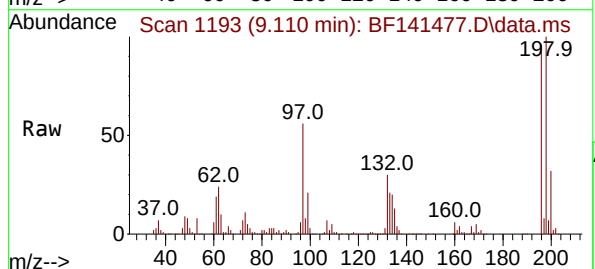
Ion Ratio Lower Upper

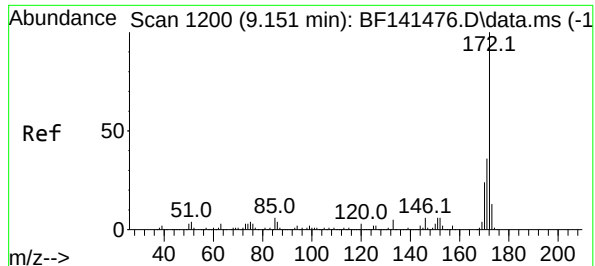
196 100

198 103.9 79.8 119.8

97 58.6 44.8 67.2

132 30.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 95.605 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

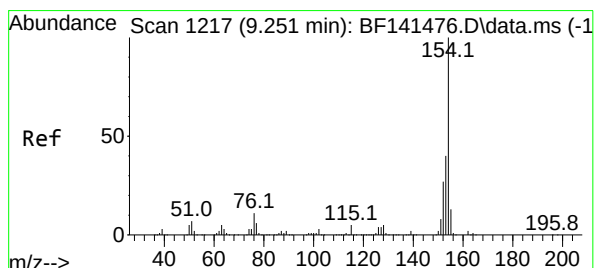
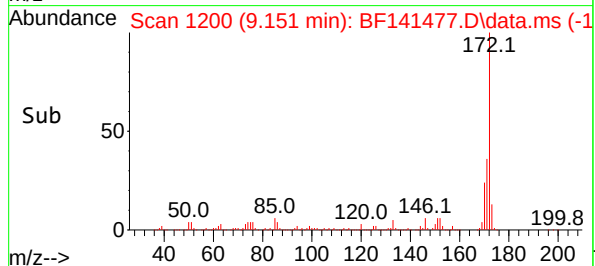
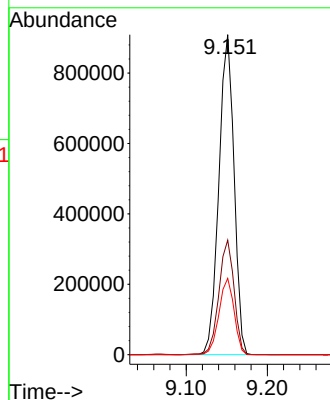
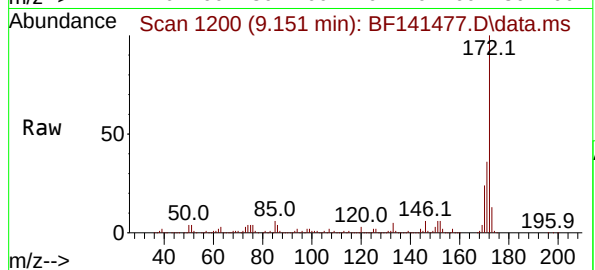
Tgt Ion:172 Resp: 1182292

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 48.905 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

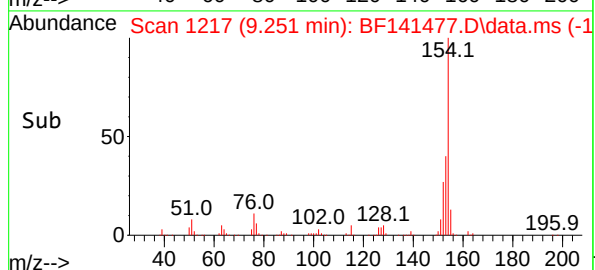
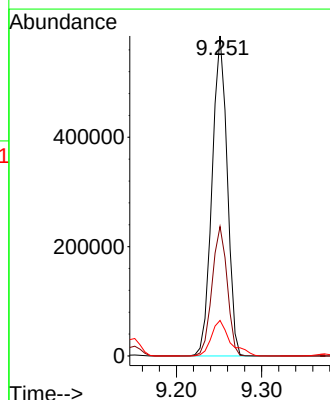
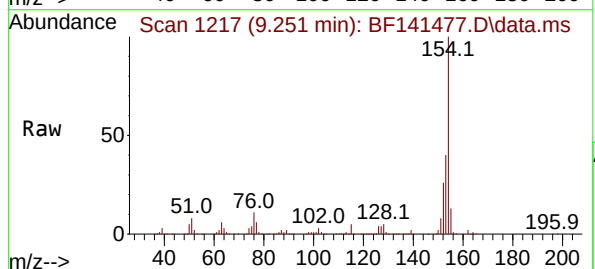
Tgt Ion:154 Resp: 722373

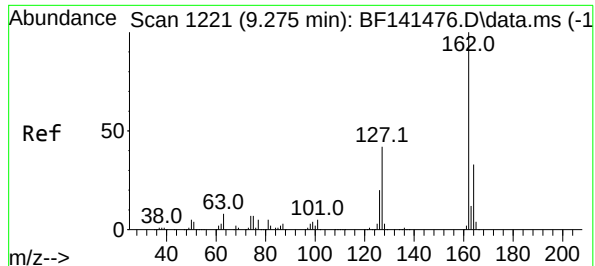
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.1 0.0 30.8





#47

2-Chloronaphthalene

Concen: 48.576 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

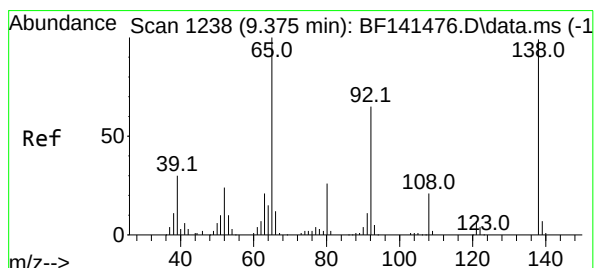
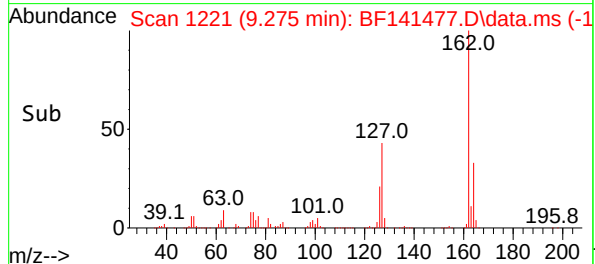
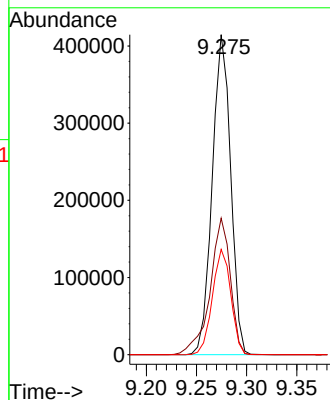
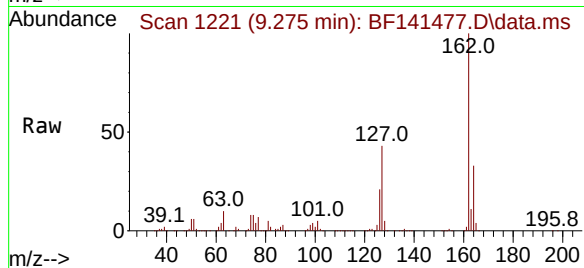
Tgt Ion:162 Resp: 530577

Ion Ratio Lower Upper

162 100

127 42.6 34.1 51.1

164 32.9 26.3 39.5



#48

2-Nitroaniline

Concen: 49.612 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

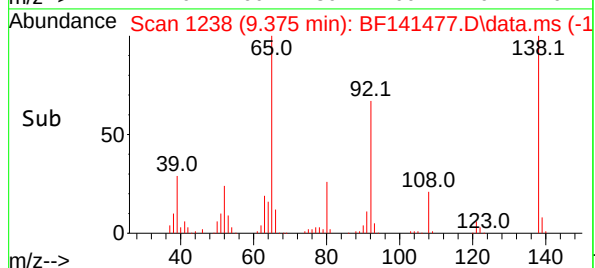
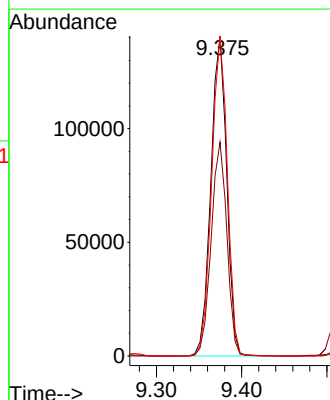
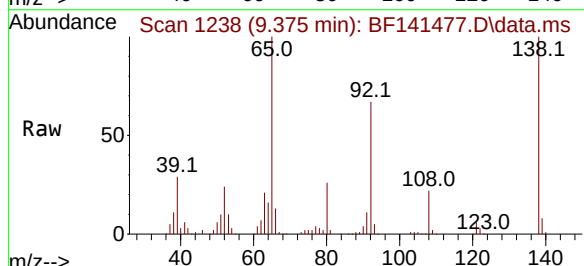
Tgt Ion: 65 Resp: 181860

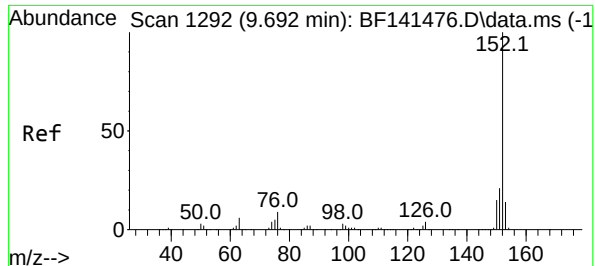
Ion Ratio Lower Upper

65 100

92 67.0 52.2 78.2

138 100.2 79.5 119.3





#49

Acenaphthylene

Concen: 48.672 ng

RT: 9.692 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

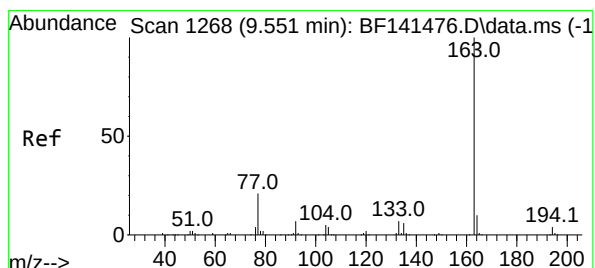
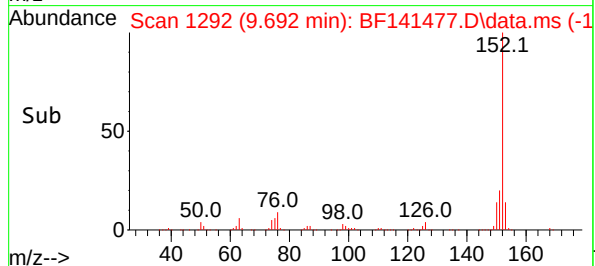
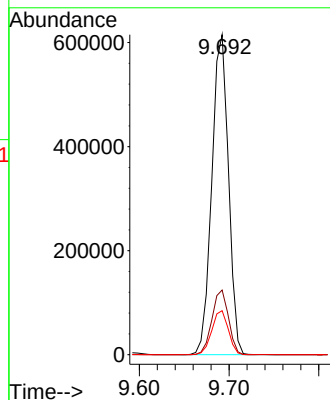
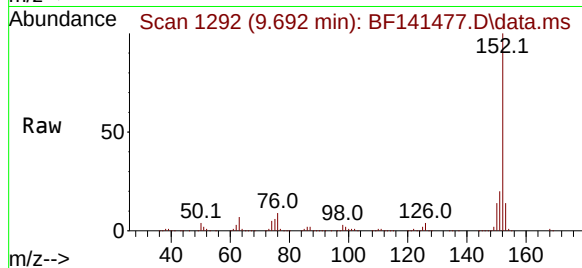
Tgt Ion:152 Resp: 790730

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.7 10.9 16.3



#50

Dimethylphthalate

Concen: 48.760 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

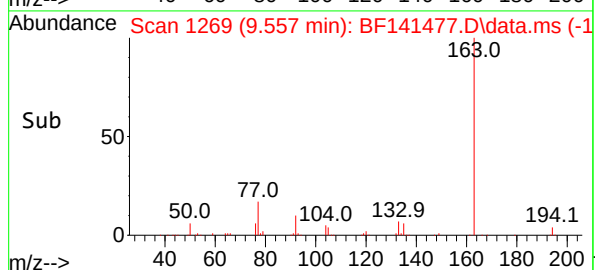
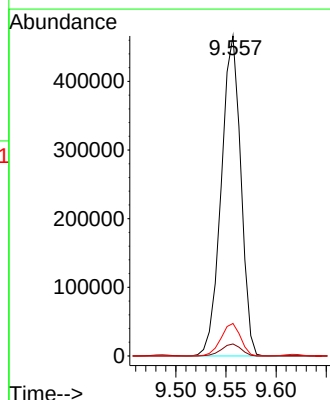
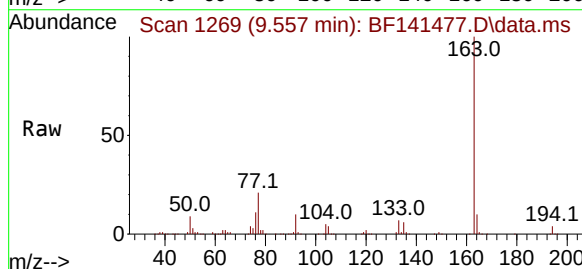
Tgt Ion:163 Resp: 630673

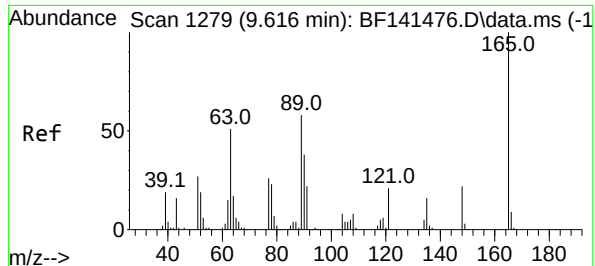
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.1 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 49.760 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

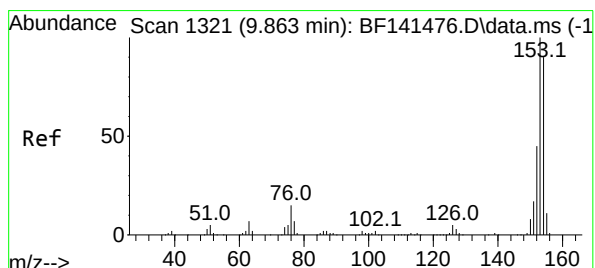
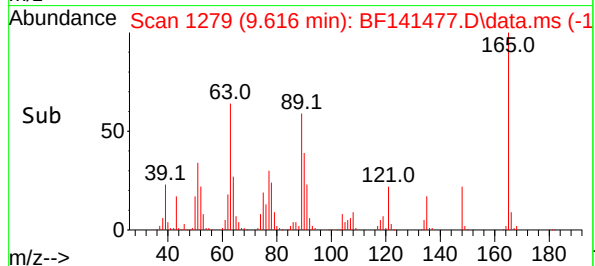
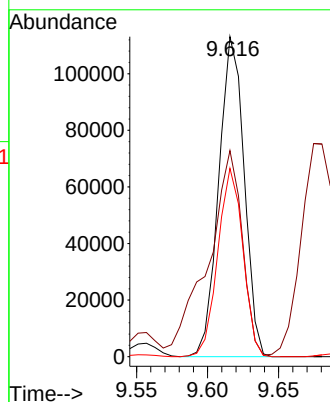
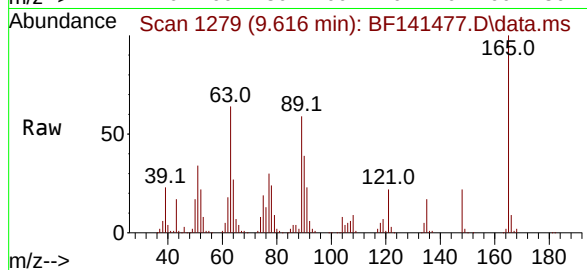
Tgt Ion:165 Resp: 140697

Ion Ratio Lower Upper

165 100

63 64.4 49.4 74.0

89 58.9 46.5 69.7



#52

Acenaphthene

Concen: 48.327 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

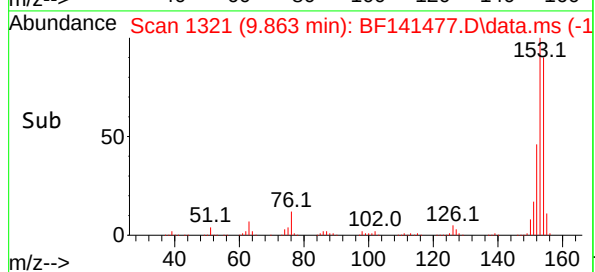
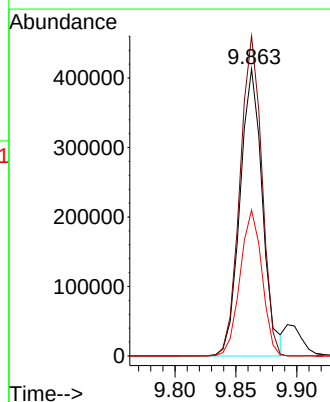
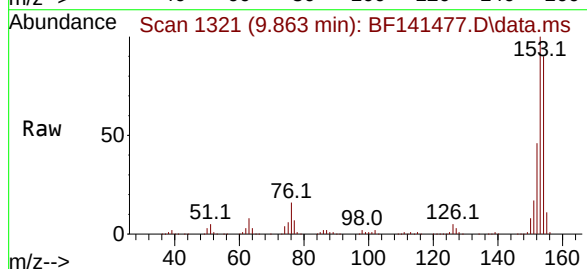
Tgt Ion:154 Resp: 527828

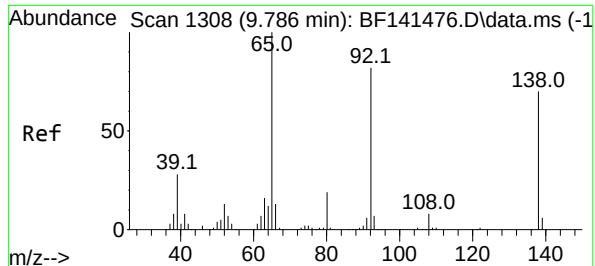
Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

152 50.8 39.8 59.8





#53

3-Nitroaniline

Concen: 50.087 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

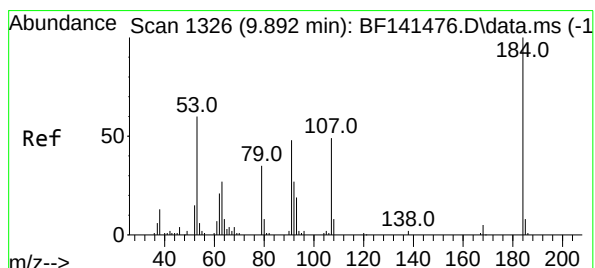
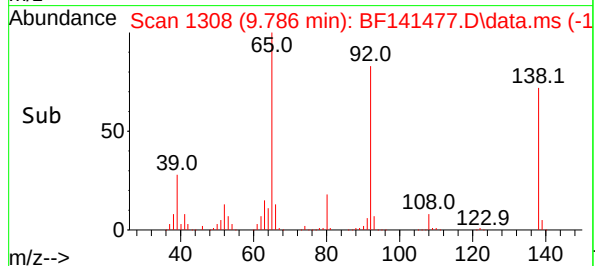
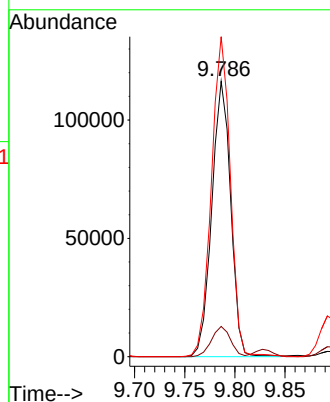
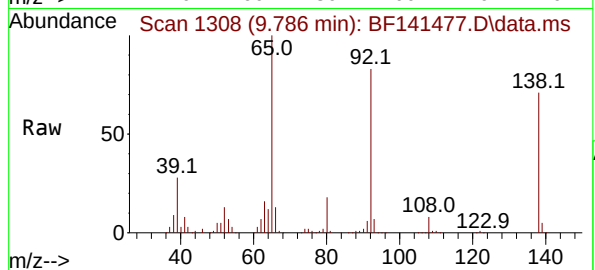
Tgt Ion:138 Resp: 152426

Ion Ratio Lower Upper

138 100

108 11.0 9.0 13.4

92 116.2 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 52.339 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

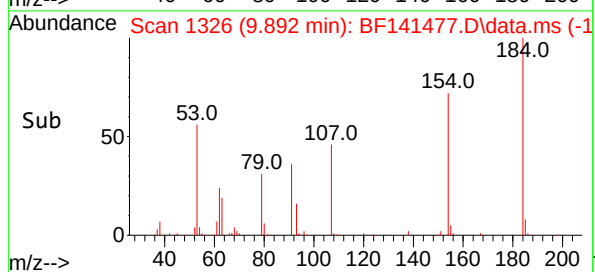
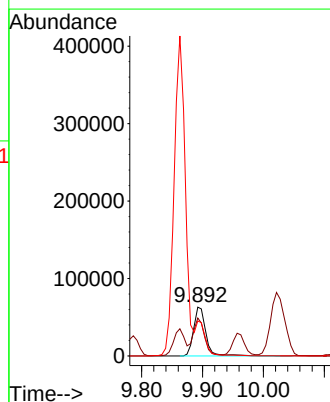
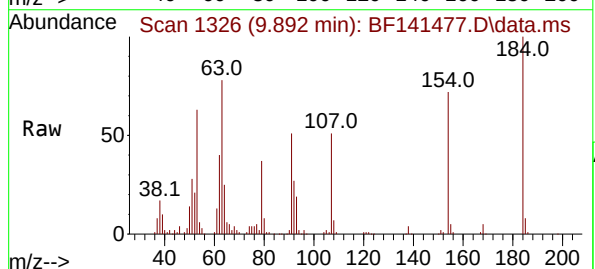
Tgt Ion:184 Resp: 87953

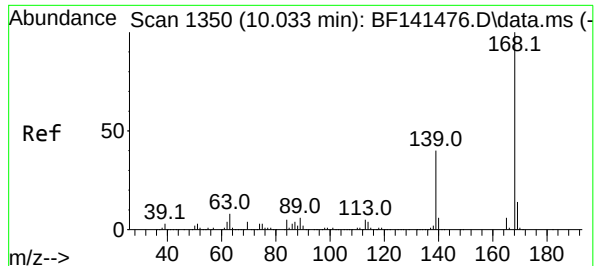
Ion Ratio Lower Upper

184 100

63 77.9 61.0 91.6

154 71.8 59.9 89.9





#55

Dibenzenofuran

Concen: 48.523 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

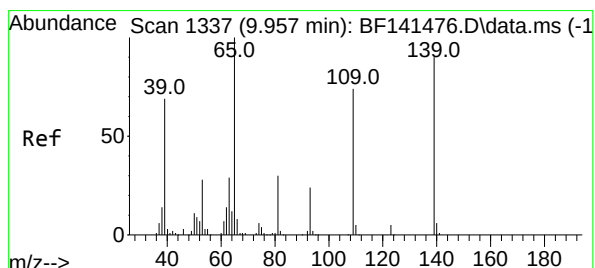
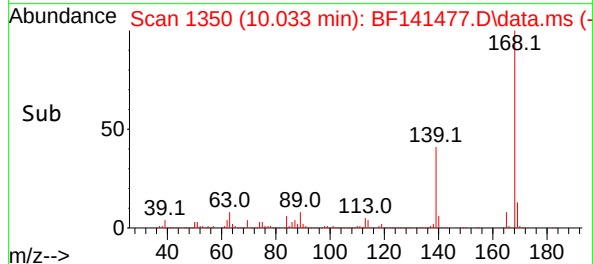
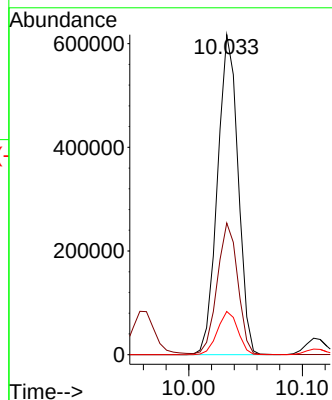
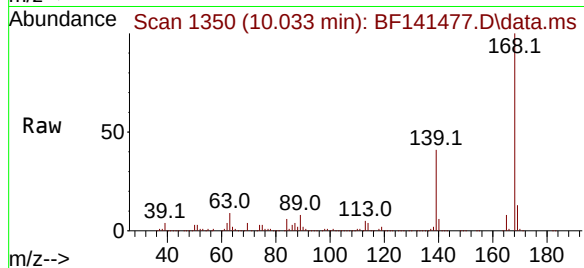
Tgt Ion:168 Resp: 777905

Ion Ratio Lower Upper

168 100

139 41.2 32.7 49.1

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 52.603 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

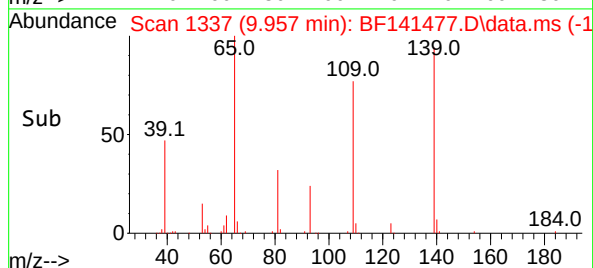
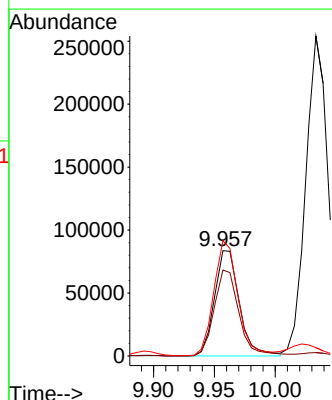
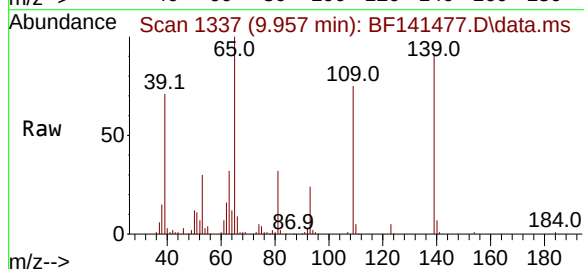
Tgt Ion:139 Resp: 118835

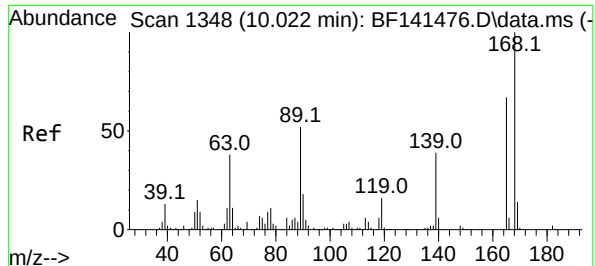
Ion Ratio Lower Upper

139 100

109 81.7 62.0 102.0

65 109.4 91.2 131.2

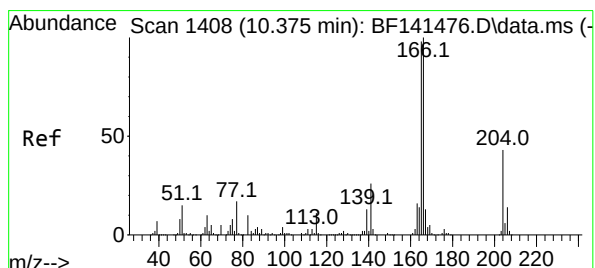
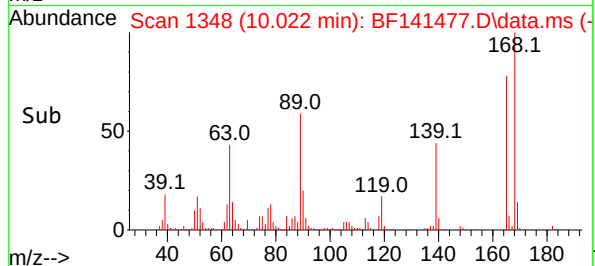
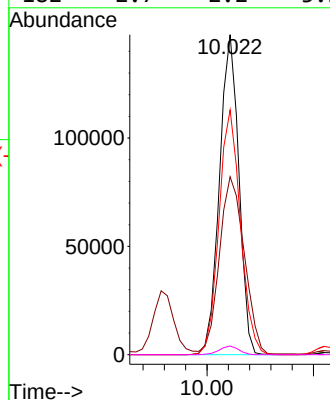
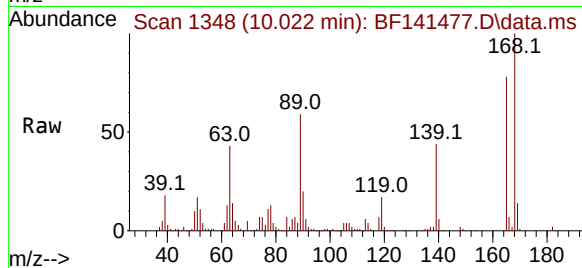




#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

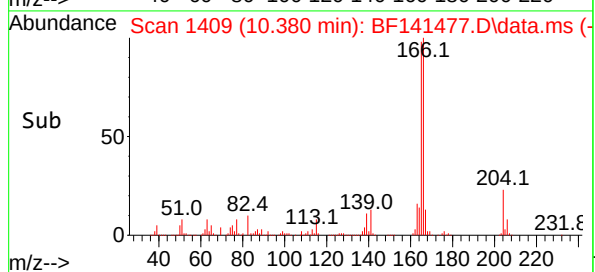
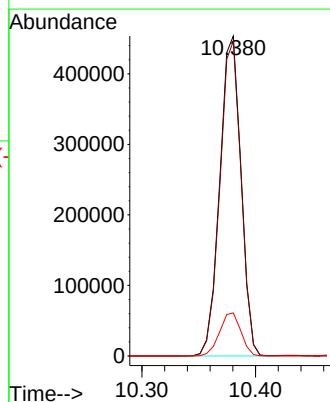
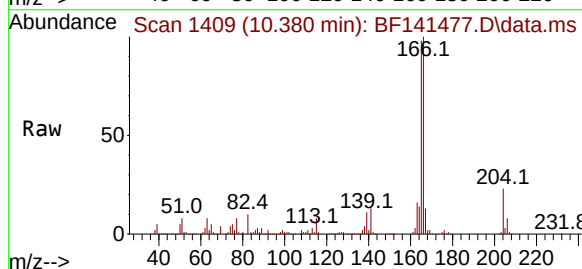
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

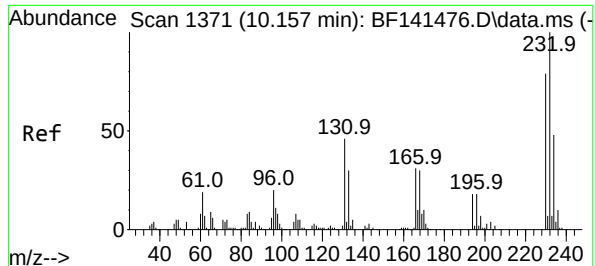
Tgt Ion:165 Resp: 185741
Ion Ratio Lower Upper
165 100
63 55.6 46.4 69.6
89 76.5 61.8 92.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:166 Resp: 590000
Ion Ratio Lower Upper
166 100
165 98.4 78.2 117.2
167 13.4 10.7 16.1

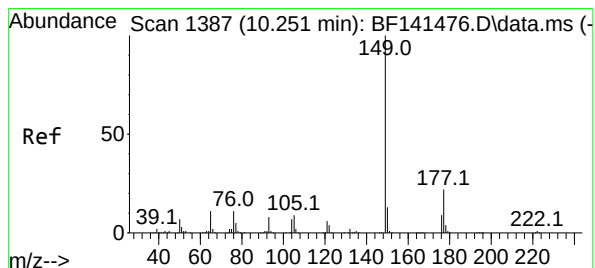
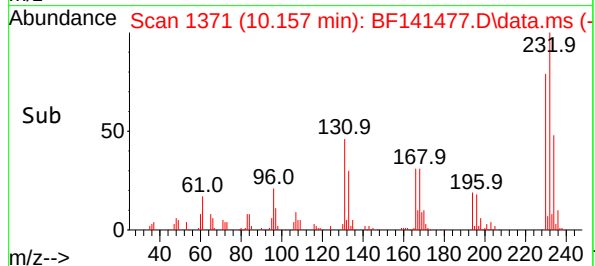
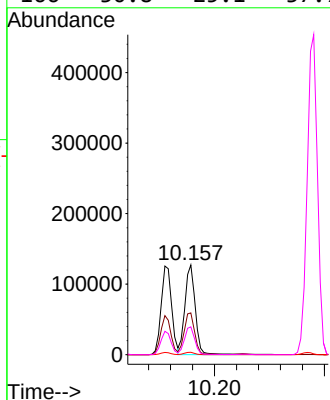
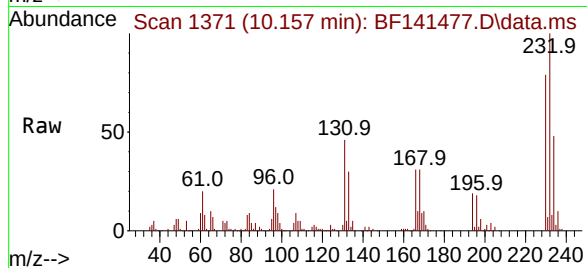




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

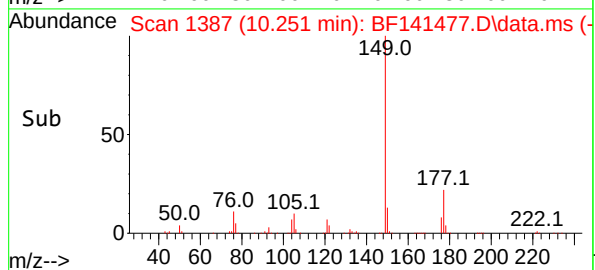
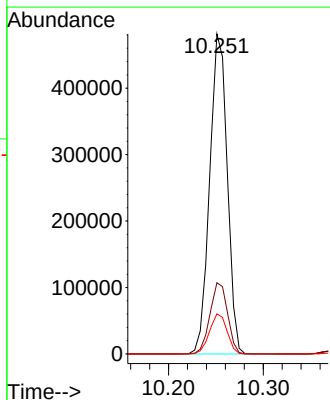
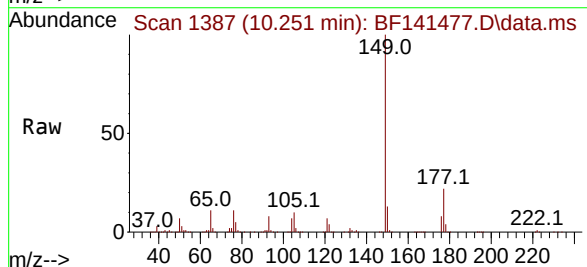
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

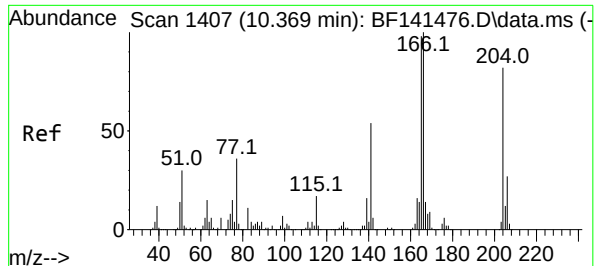
Tgt Ion:232 Resp: 165559
Ion Ratio Lower Upper
232 100
131 46.7 39.2 58.8
130 2.6 2.1 3.1
166 30.8 25.1 37.7



#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 619064
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.5 10.1 15.1

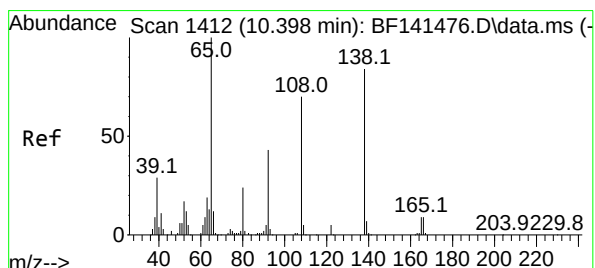
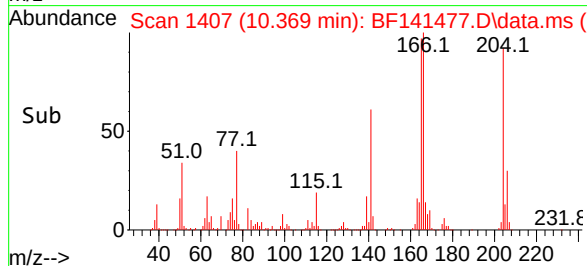
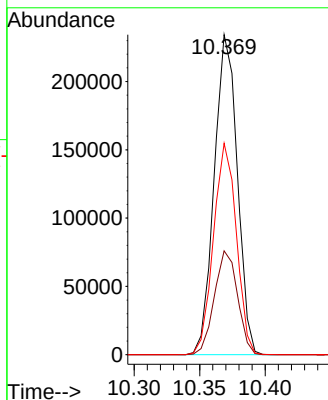
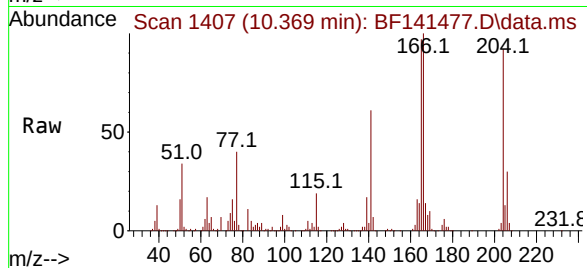




#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

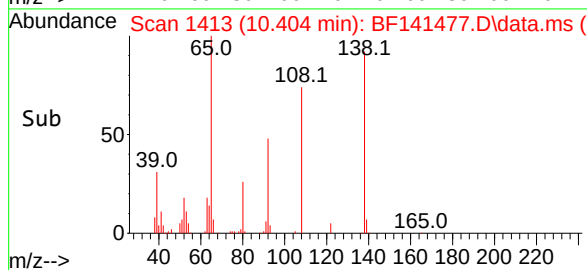
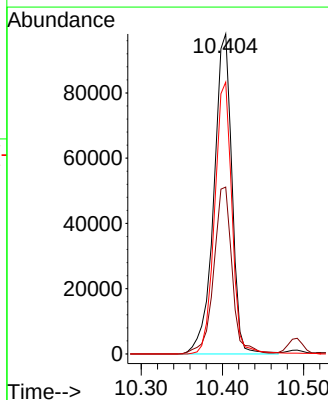
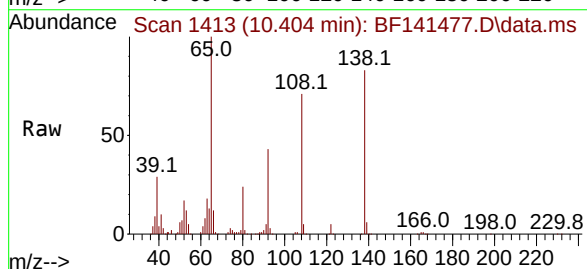
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

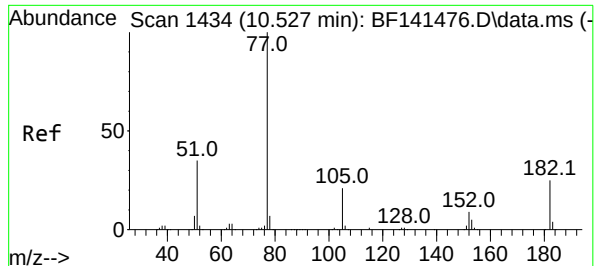
Tgt Ion:204 Resp: 286530
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 66.0 51.9 77.9



#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:138 Resp: 151765
Ion Ratio Lower Upper
138 100
92 52.2 31.3 71.3
108 84.9 63.7 103.7

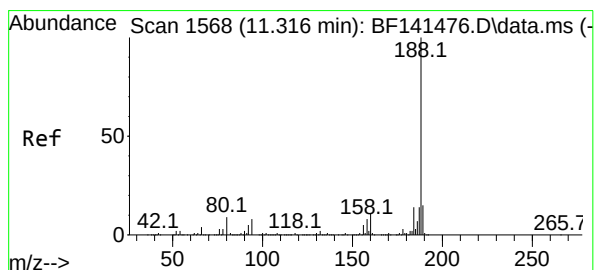
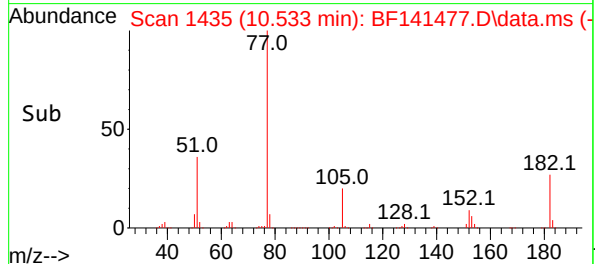
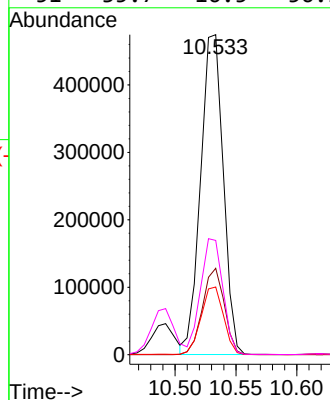
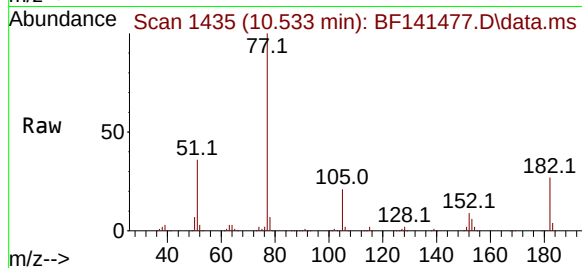




#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

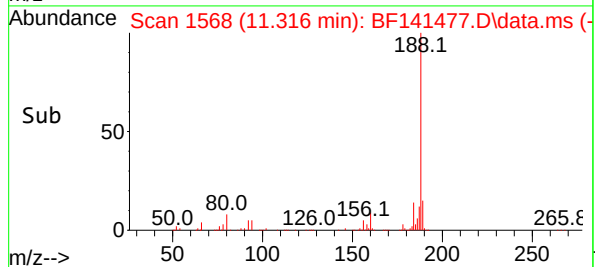
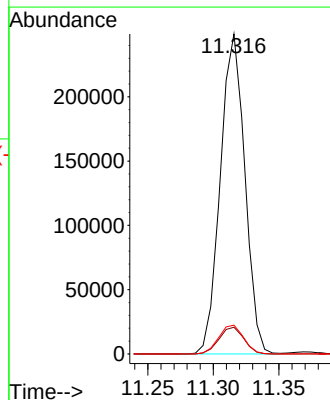
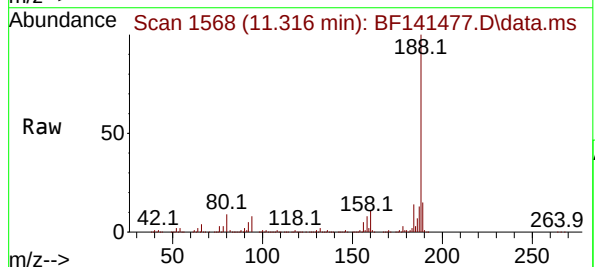
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

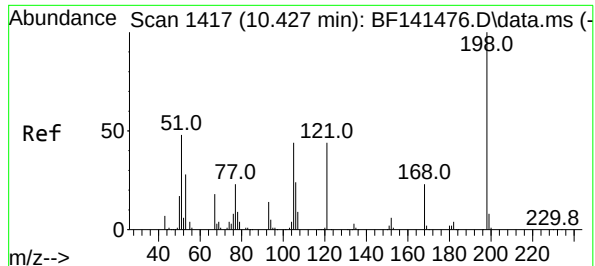
Tgt Ion:	77	Resp:	616638
Ion	Ratio	Lower	Upper
77	100		
182	27.0	4.7	44.7
105	21.1	0.4	40.4
51	35.7	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:	188	Resp:	323702
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.0	7.3	10.9

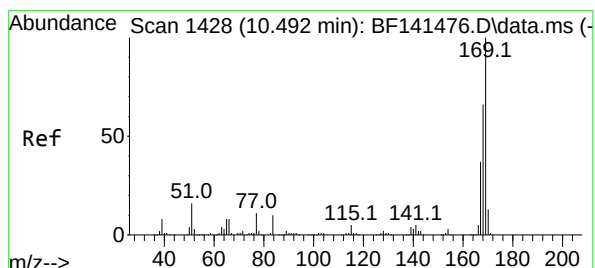
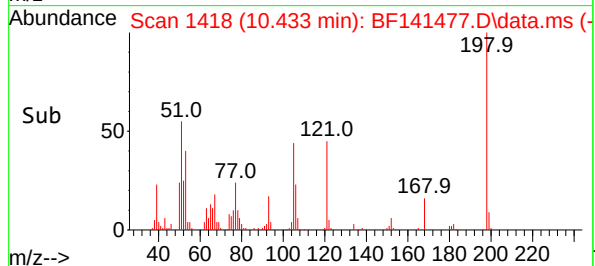
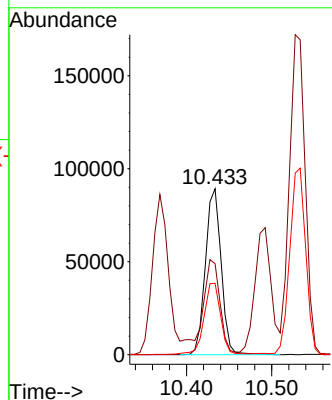
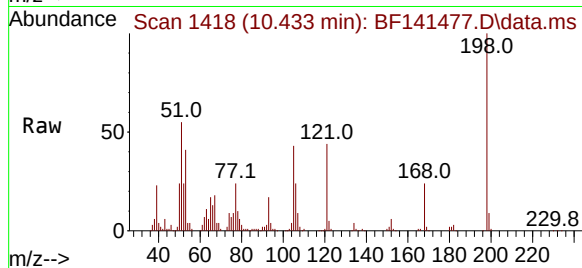




#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

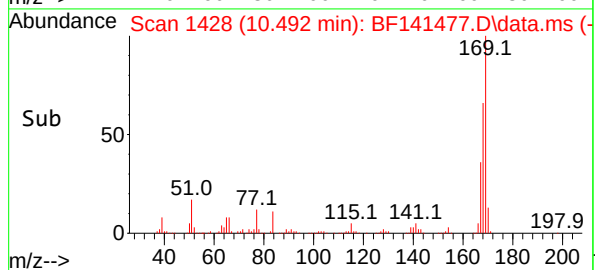
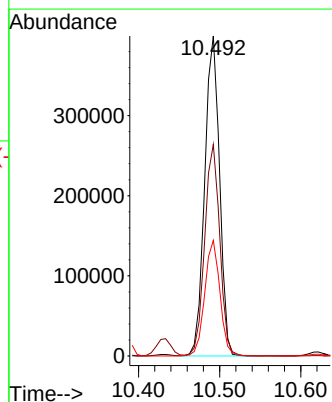
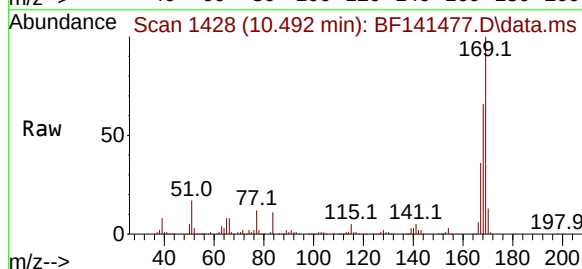
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

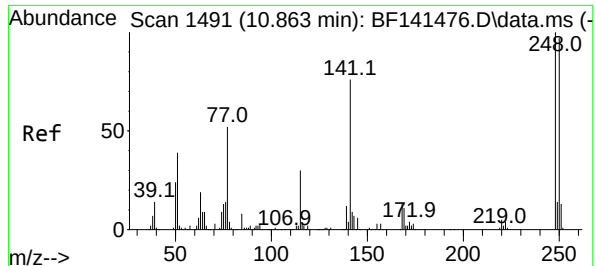
Tgt Ion:198 Resp: 114725
Ion Ratio Lower Upper
198 100
51 54.9 37.4 77.4
105 43.0 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:169 Resp: 505770
Ion Ratio Lower Upper
169 100
168 66.1 53.3 79.9
167 36.1 29.4 44.2

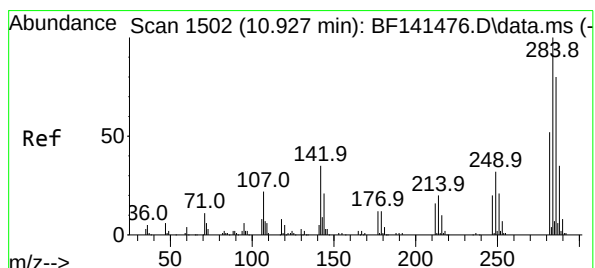
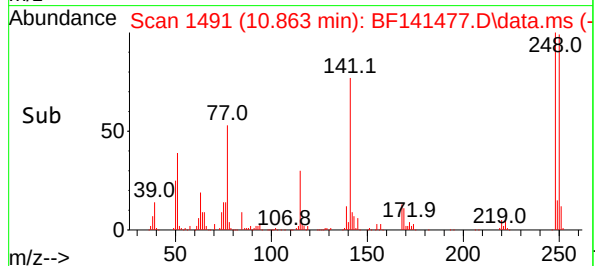
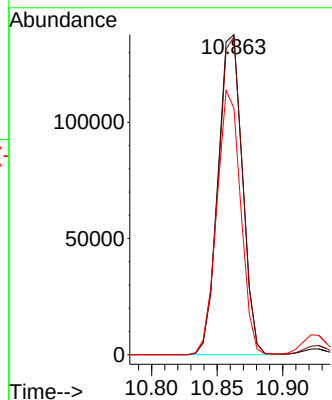
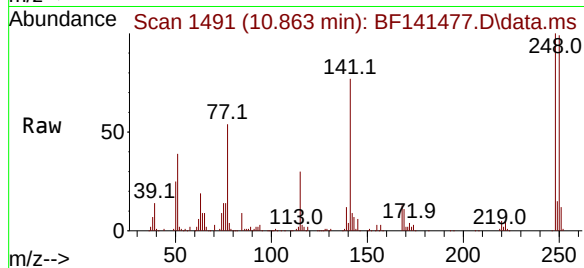




#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

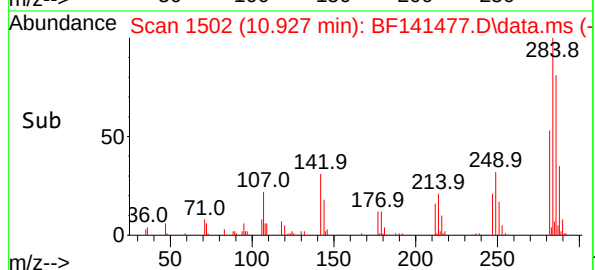
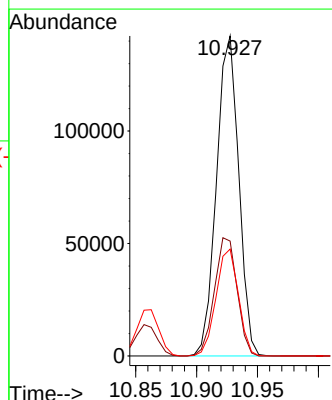
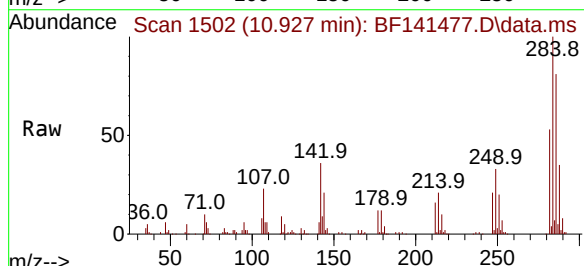
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

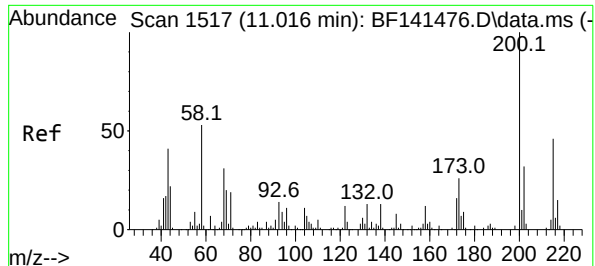
Tgt Ion:248 Resp: 177761
Ion Ratio Lower Upper
248 100
250 99.3 77.8 116.6
141 77.0 60.6 90.8



#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:284 Resp: 180930
Ion Ratio Lower Upper
284 100
142 35.9 28.0 42.0
249 33.4 25.8 38.8





#69

Atrazine

Concen: 48.175 ng

RT: 11.022 min Scan# 1518

Delta R.T. 0.001 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

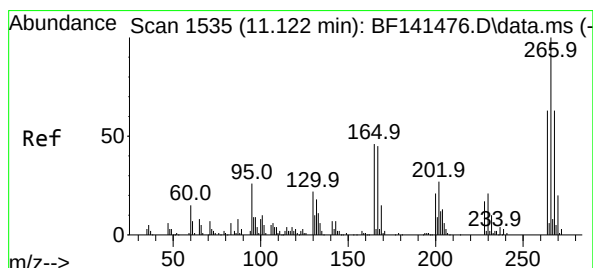
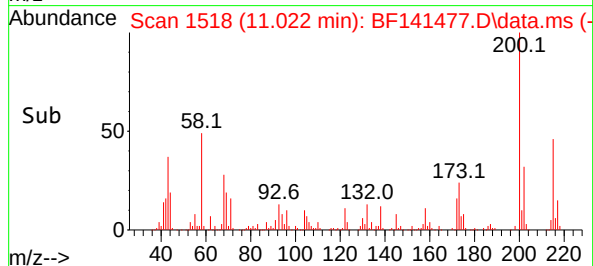
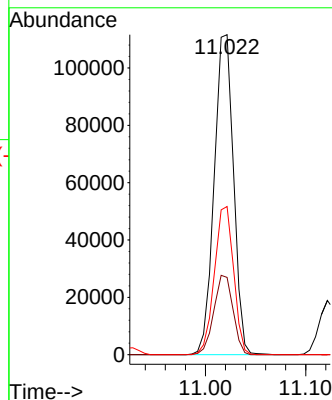
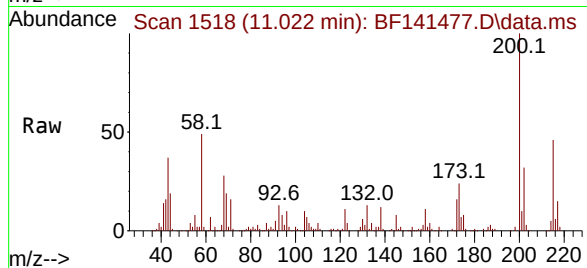
Tgt Ion:200 Resp: 149758

Ion Ratio Lower Upper

200 100

173 24.2 5.9 45.9

215 46.3 25.9 65.9



#70

Pentachlorophenol

Concen: 53.769 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

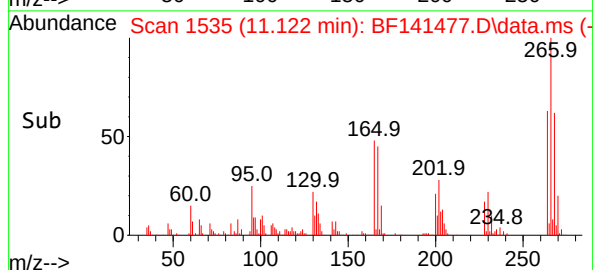
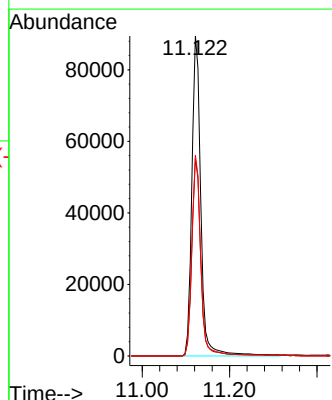
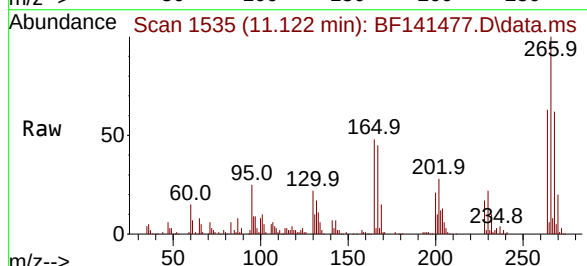
Tgt Ion:266 Resp: 128081

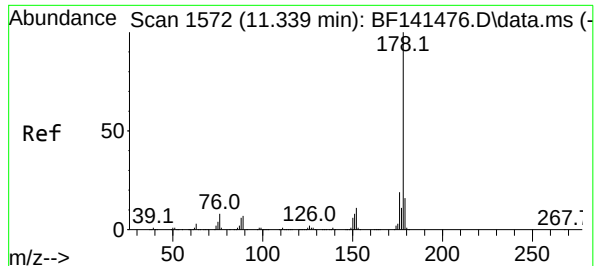
Ion Ratio Lower Upper

266 100

268 61.8 50.1 75.1

264 62.8 50.1 75.1

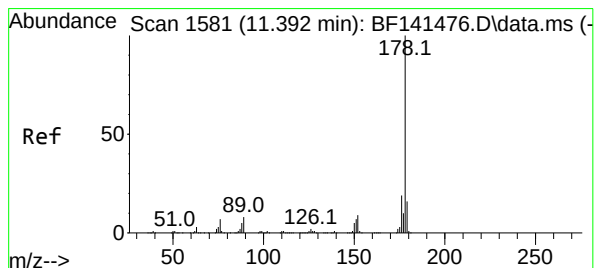
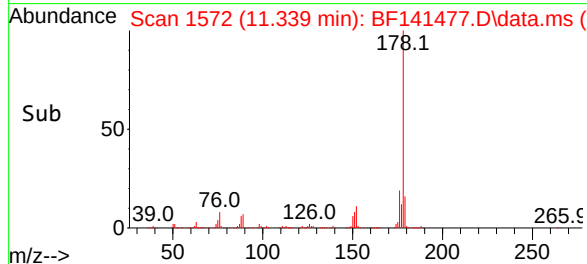
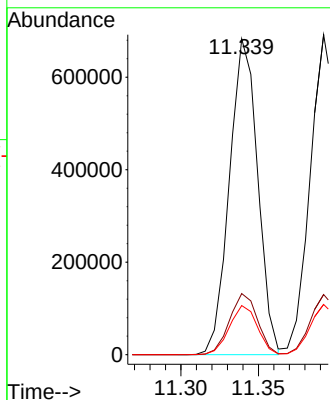
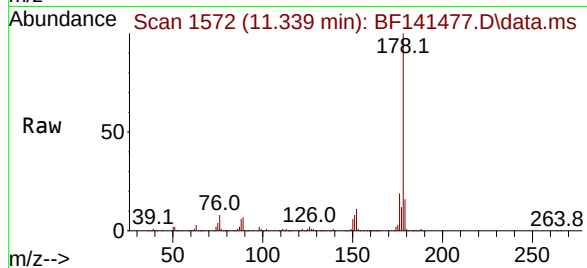




#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

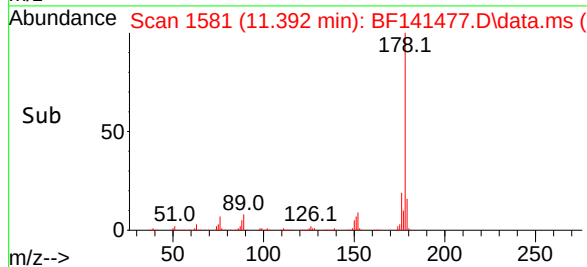
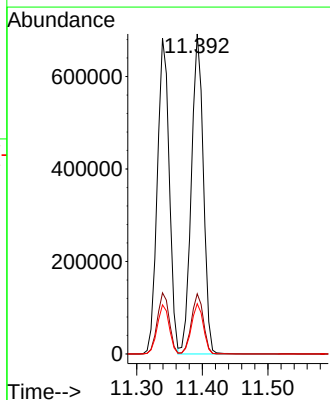
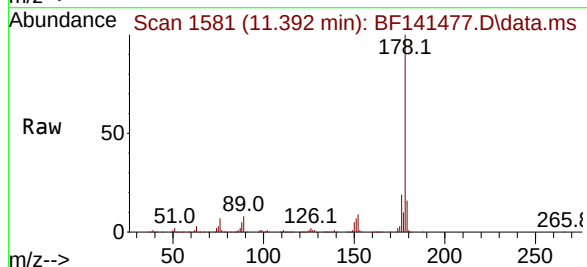
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

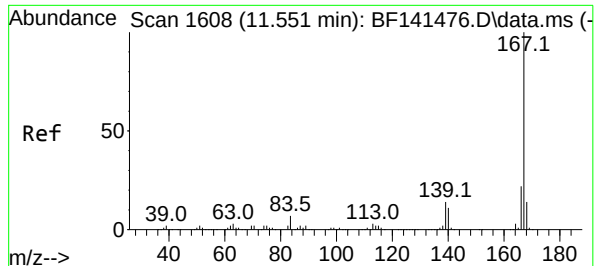
Tgt Ion:178 Resp: 866517
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:178 Resp: 877393
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.7 12.4 18.6

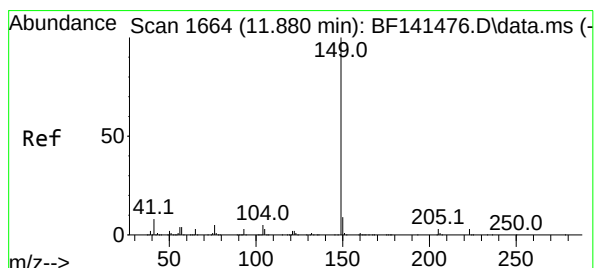
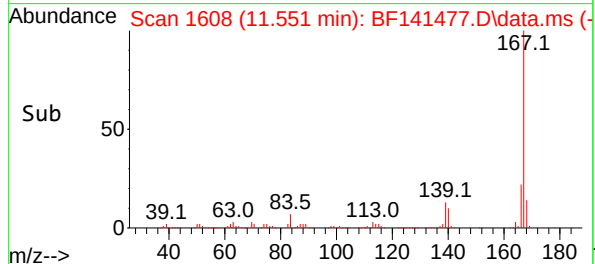
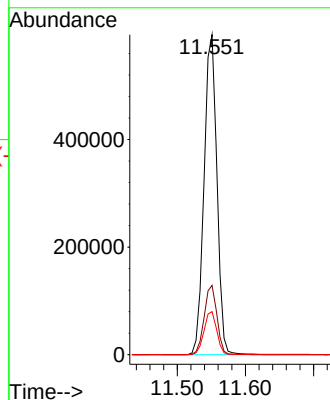
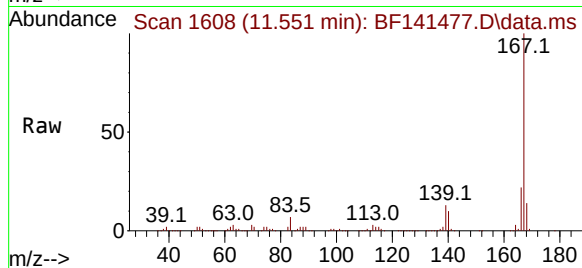




#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

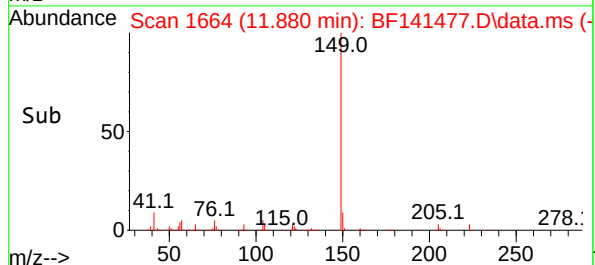
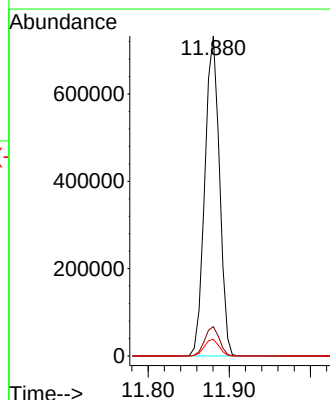
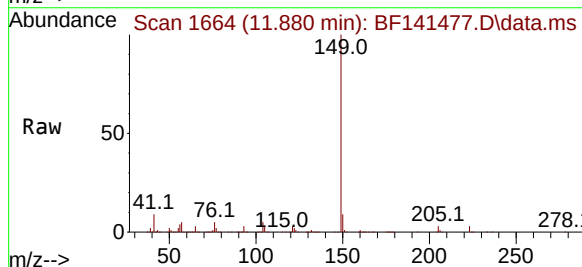
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

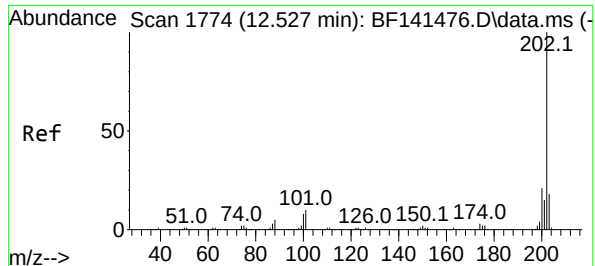
Tgt Ion:167 Resp: 781733
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.5 10.9 16.3



#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 915782
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 4.2 6.2

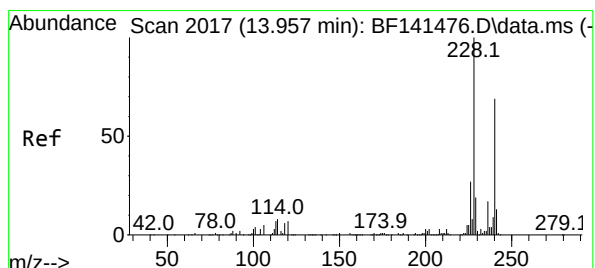
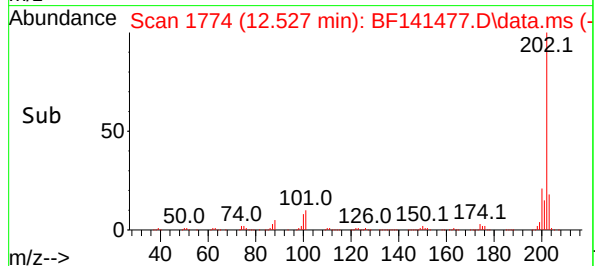
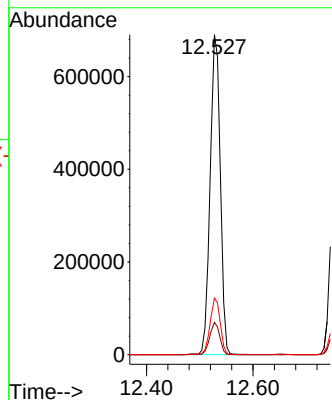
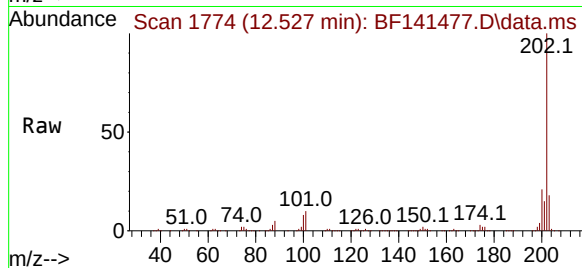




#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

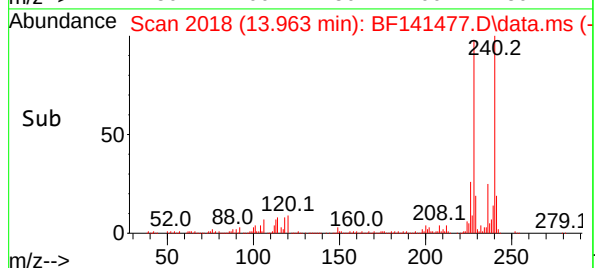
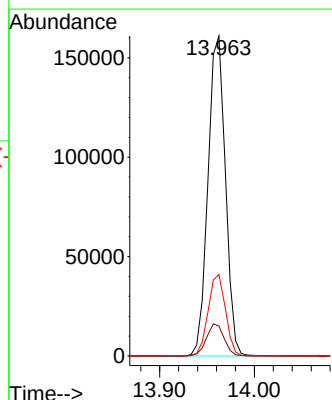
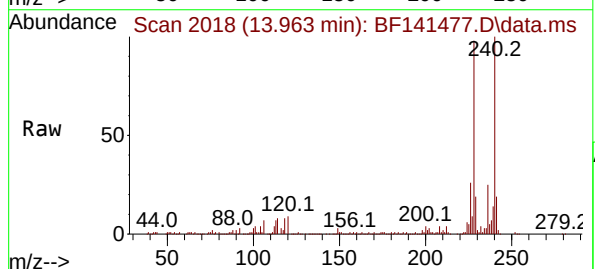
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

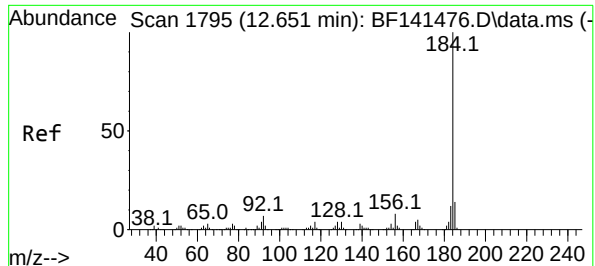
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.0	12.0
236	25.4	19.8	29.8





#77

Benzidine

Concen: 49.026 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

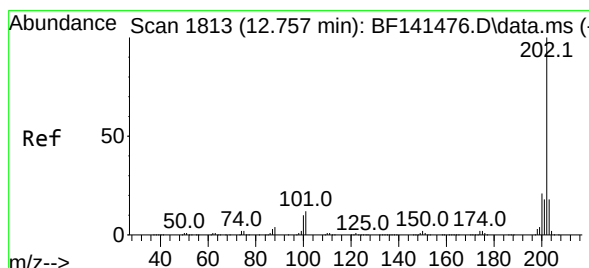
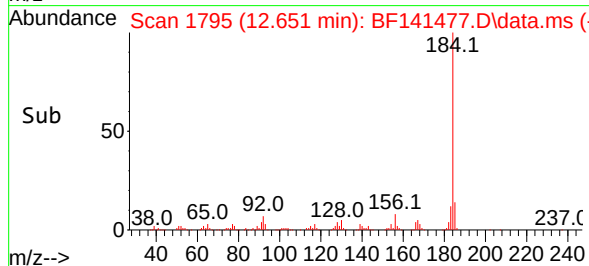
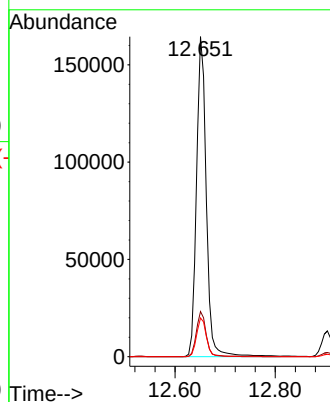
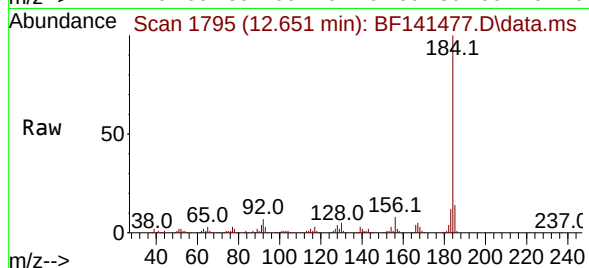
Tgt Ion:184 Resp: 222606

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

183 12.1 9.3 13.9



#78

Pyrene

Concen: 52.106 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

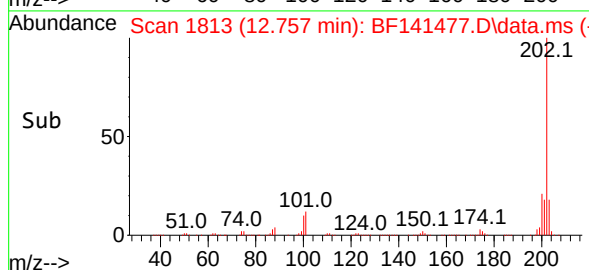
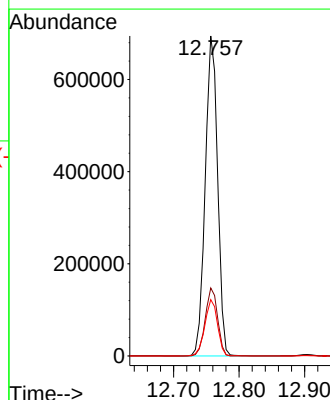
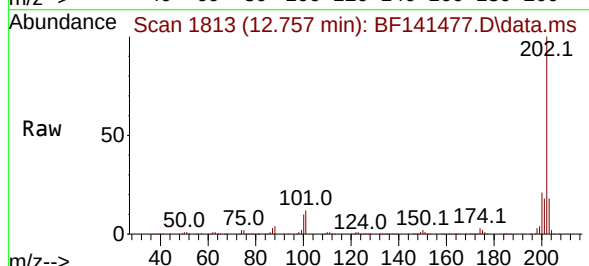
Tgt Ion:202 Resp: 913198

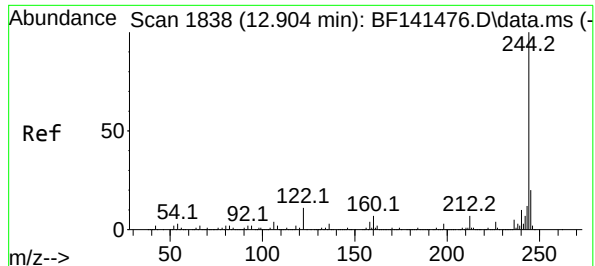
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 102.010 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

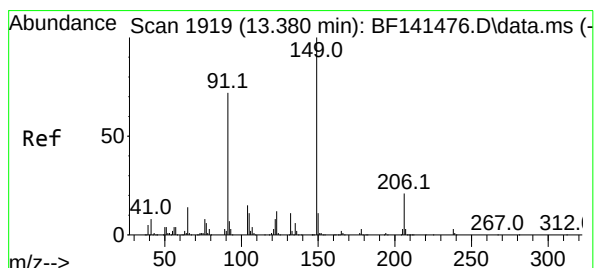
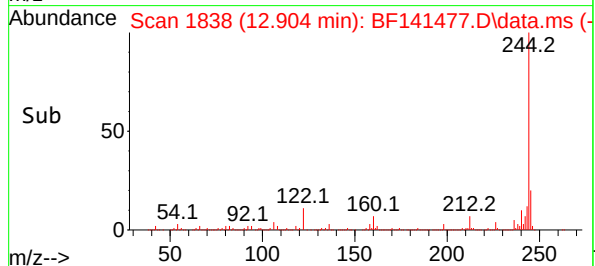
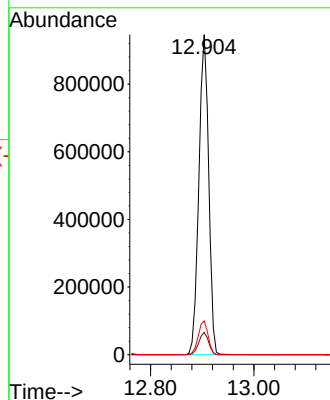
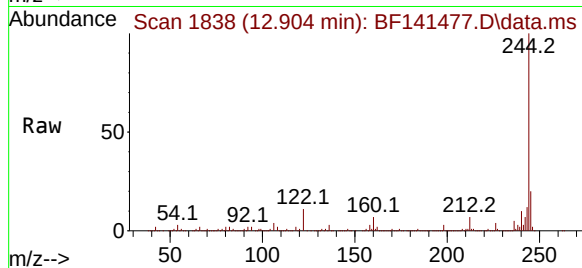
Tgt Ion:244 Resp: 1244053

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.5 8.4 12.6



#80

Butylbenzylphthalate

Concen: 51.168 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

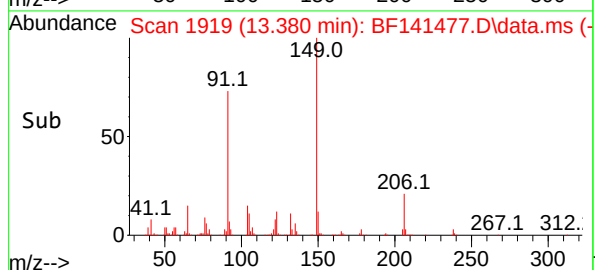
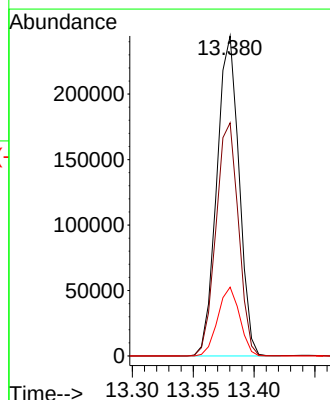
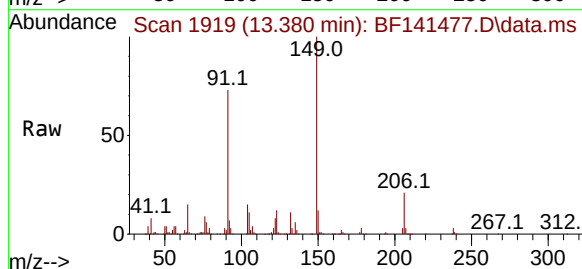
Tgt Ion:149 Resp: 310612

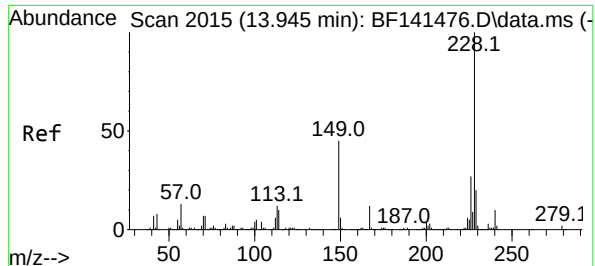
Ion Ratio Lower Upper

149 100

91 72.8 57.8 86.8

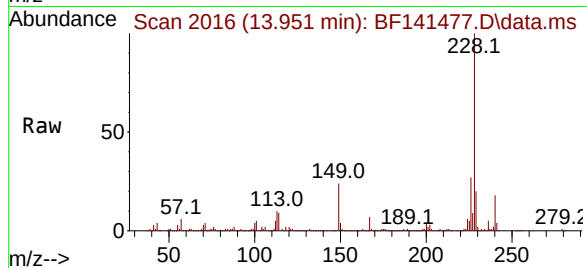
206 21.5 16.7 25.1



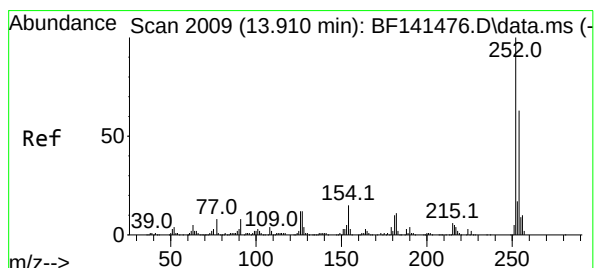
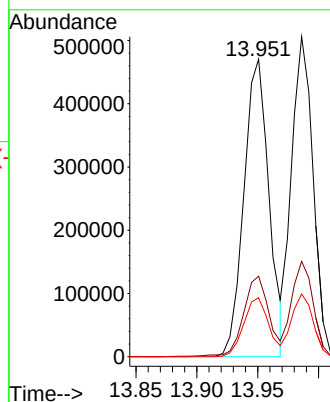
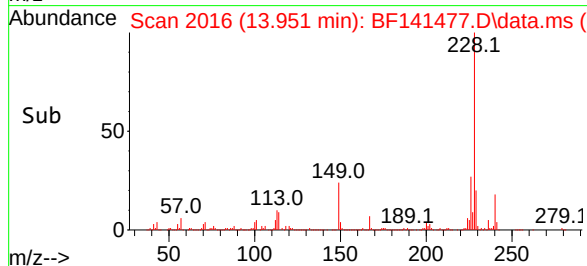


#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

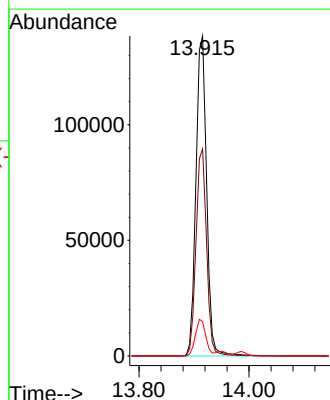
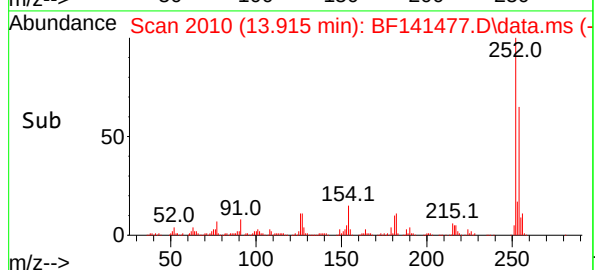
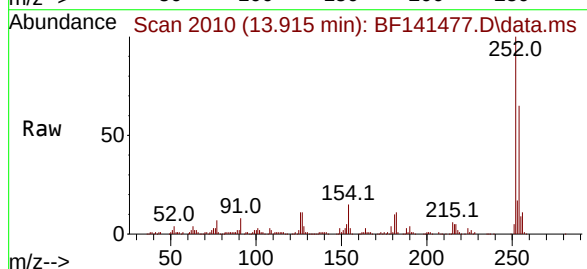


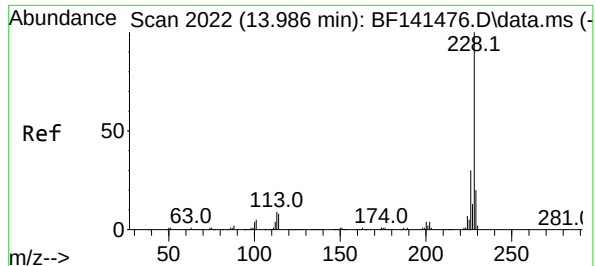
Tgt Ion:228 Resp: 673785
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 186802
Ion Ratio Lower Upper
252 100
254 64.7 50.6 76.0
126 10.8 9.3 13.9





#83

Chrysene

Concen: 49.505 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

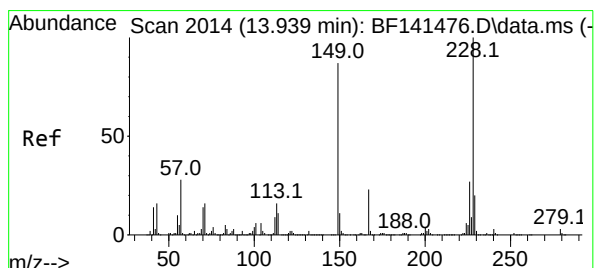
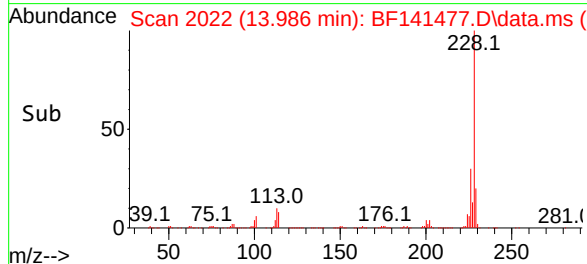
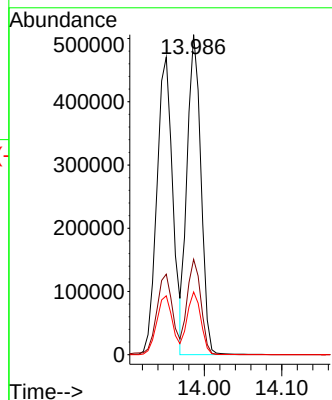
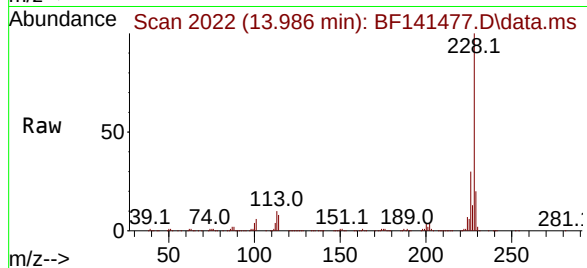
Tgt Ion:228 Resp: 625572

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.138 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

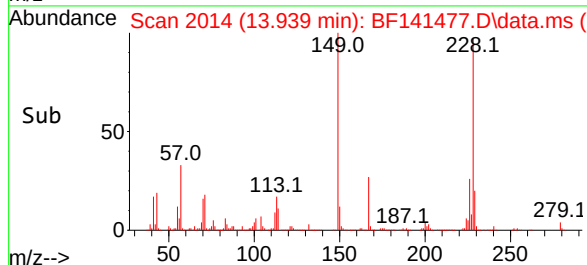
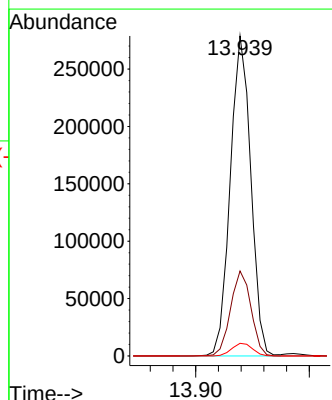
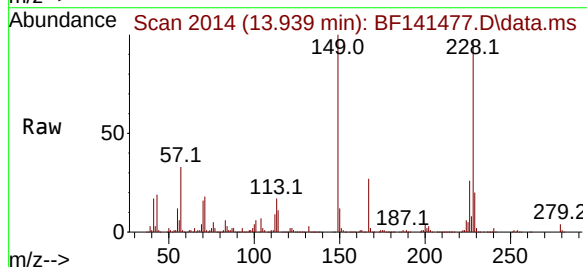
Tgt Ion:149 Resp: 350121

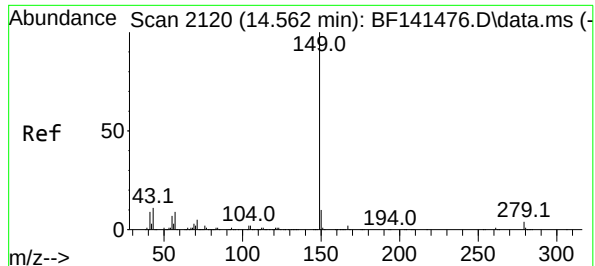
Ion Ratio Lower Upper

149 100

167 26.5 21.4 32.0

279 4.0 3.1 4.7

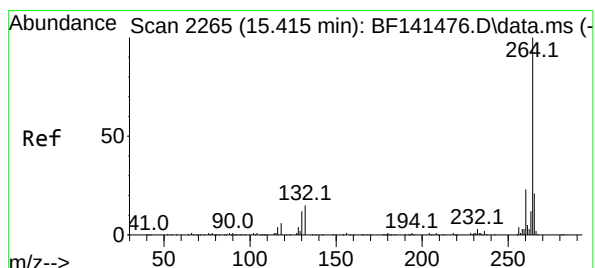
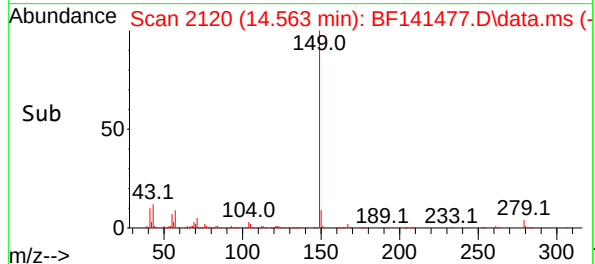
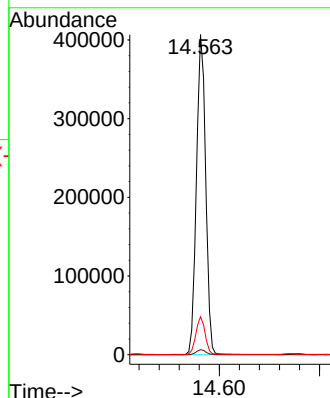
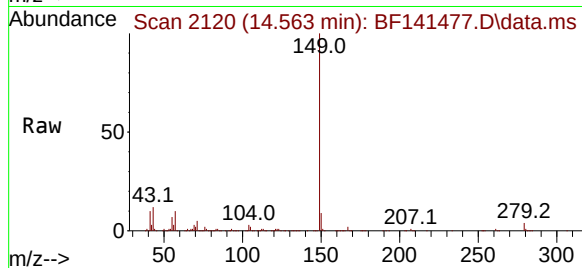




#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

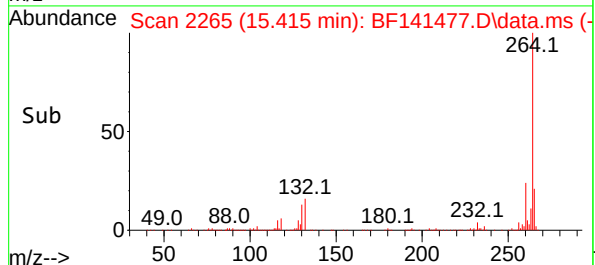
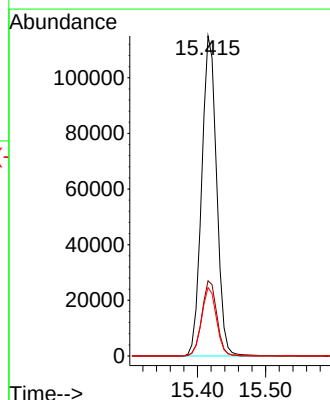
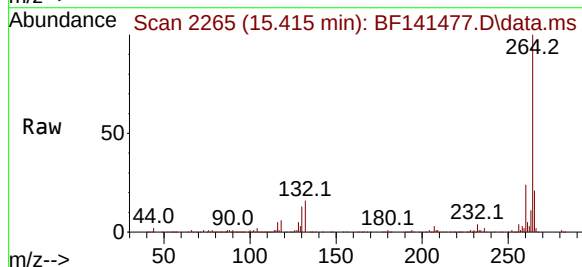
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

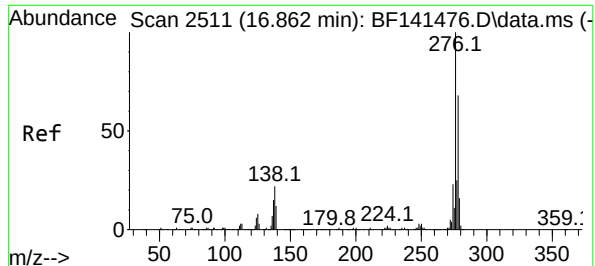
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.3	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.277 ng

RT: 16.868 min Scan# 211

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

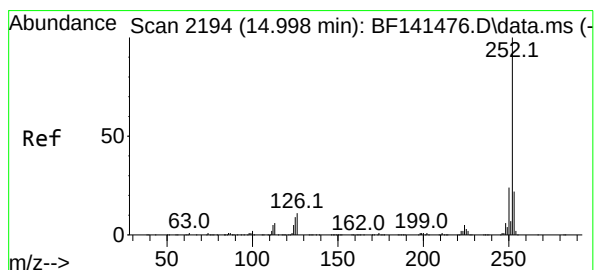
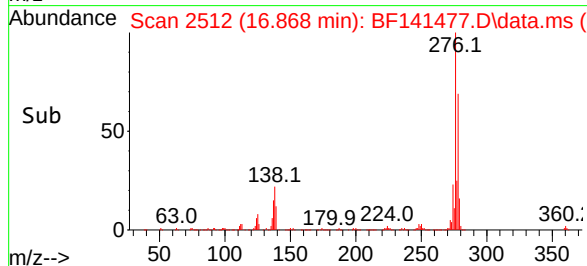
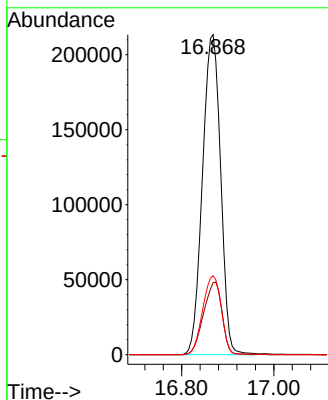
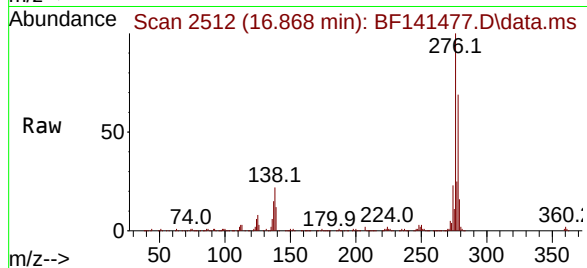
Tgt Ion:276 Resp: 586584

Ion Ratio Lower Upper

276 100

138 23.0 18.0 27.0

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 50.251 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

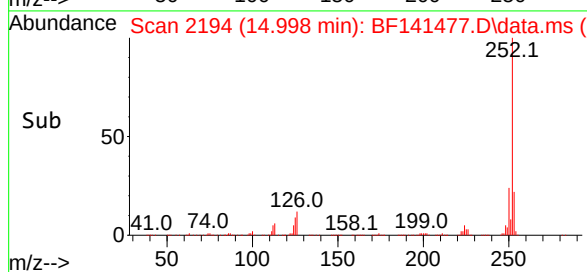
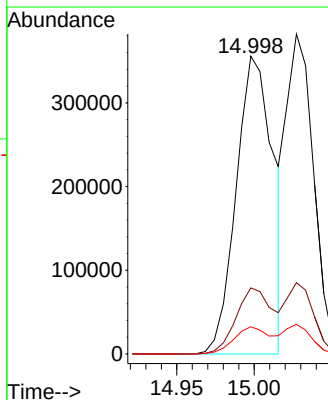
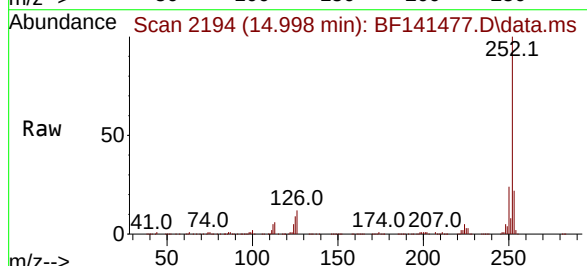
Tgt Ion:252 Resp: 590149

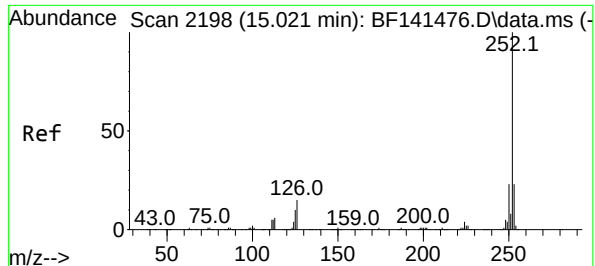
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 46.814 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

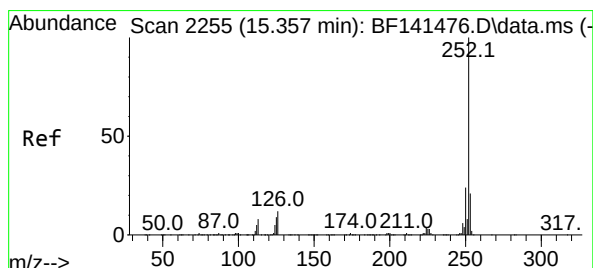
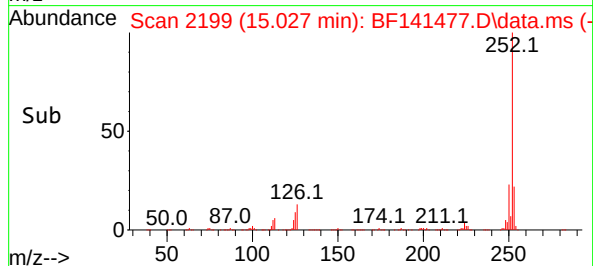
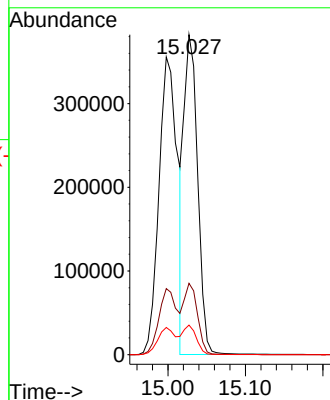
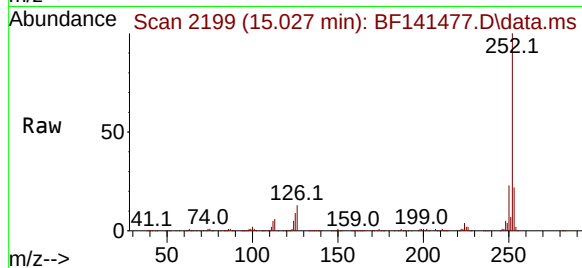
Tgt Ion:252 Resp: 469466

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 49.173 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

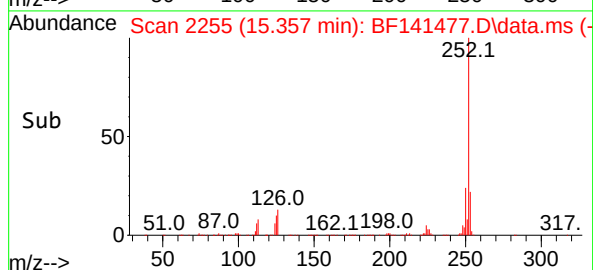
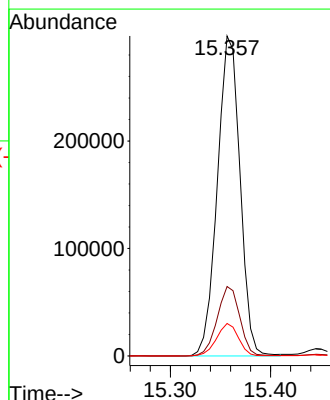
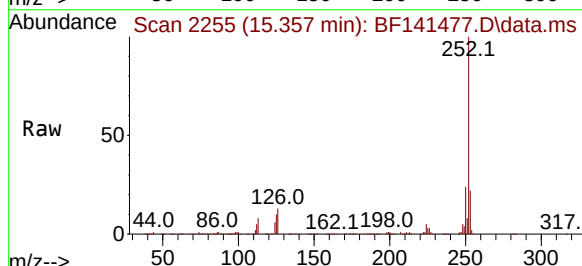
Tgt Ion:252 Resp: 467288

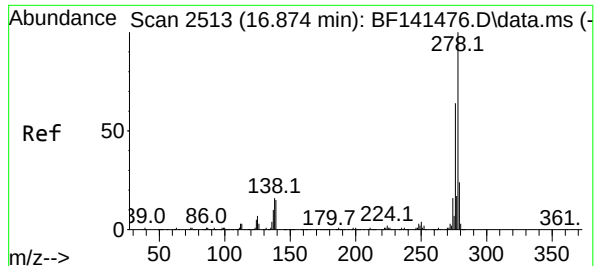
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 10.2 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 54.503 ng

RT: 16.880 min Scan# 2514

Delta R.T. -0.012 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

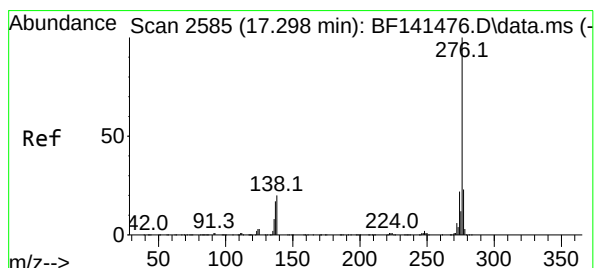
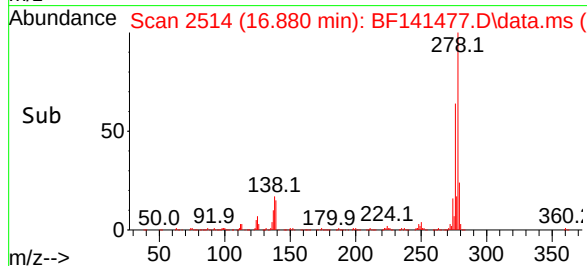
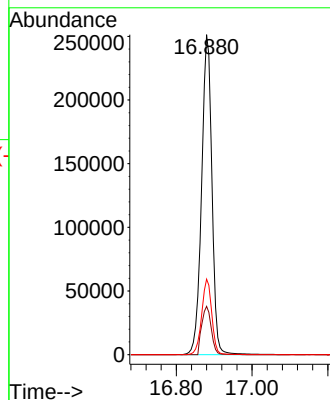
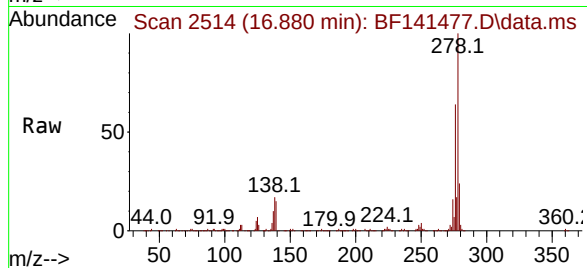
Tgt Ion:278 Resp: 477285

Ion Ratio Lower Upper

278 100

139 15.1 11.8 17.6

279 23.6 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 54.592 ng

RT: 17.304 min Scan# 2586

Delta R.T. -0.012 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

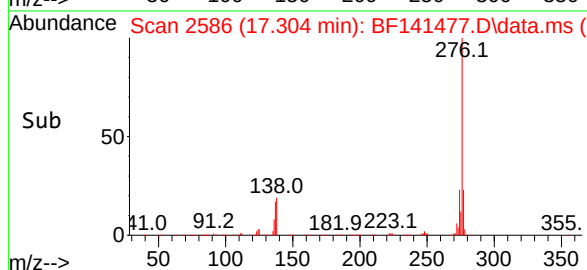
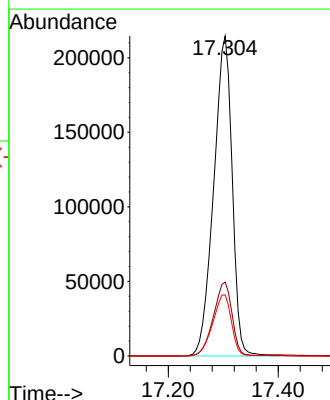
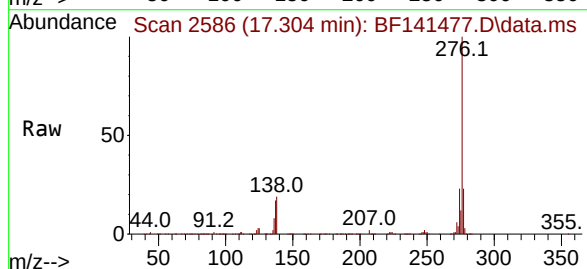
Tgt Ion:276 Resp: 500274

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 19.1 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141478.D
 Acq On : 06 Feb 2025 13:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Feb 06 16:00:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	186729	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	321893	20.000	ng	0.00
76) Chrysene-d12	13.962	240	197108	20.000	ng	0.00
86) Perylene-d12	15.415	264	171026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	672709	118.894	ng	0.00
7) Phenol-d6	6.434	99	843410	117.937	ng	0.00
23) Nitrobenzene-d5	7.357	82	788550	119.351	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	225049	119.976	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1410277	116.358	ng	0.00
79) Terphenyl-d14	12.904	244	1459213	124.977	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	138751	60.929	ng	99
3) Pyridine	3.210	79	335519	61.916	ng	99
4) n-Nitrosodimethylamine	3.175	42	225031	62.715	ng	98
6) Aniline	6.457	93	397494	59.254	ng	99
8) 2-Chlorophenol	6.581	128	358027	58.561	ng	97
9) Benzaldehyde	6.339	77	187887	49.441	ng	100
10) Phenol	6.451	94	437528	58.782	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	335957	60.093	ng	99
12) 1,3-Dichlorobenzene	6.734	146	380433	58.941	ng	98
13) 1,4-Dichlorobenzene	6.810	146	382812	58.050	ng	98
14) 1,2-Dichlorobenzene	6.963	146	357837	58.465	ng	99
15) Benzyl Alcohol	6.939	79	324244	59.125	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	553943	57.883	ng	91
17) 2-Methylphenol	7.057	107	283563	59.272	ng	97
18) Hexachloroethane	7.304	117	144816	59.337	ng	96
19) n-Nitroso-di-n-propyla...	7.210	70	250412	58.540	ng	99
20) 3+4-Methylphenols	7.210	107	350980	57.722	ng	92
22) Acetophenone	7.204	105	504294	58.828	ng	99
24) Nitrobenzene	7.381	77	387174	60.096	ng	100
25) Isophorone	7.616	82	638004	60.562	ng	99
26) 2-Nitrophenol	7.692	139	199140	62.128	ng	97
27) 2,4-Dimethylphenol	7.733	122	227803	60.836	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	404195	59.877	ng	100
29) 2,4-Dichlorophenol	7.939	162	301959	59.683	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	328150	59.561	ng	99
31) Naphthalene	8.098	128	1056367	58.889	ng	100
32) Benzoic acid	7.875	122	250995	64.532	ng	99
33) 4-Chloroaniline	8.151	127	376211	60.070	ng	99
34) Hexachlorobutadiene	8.210	225	197955	59.849	ng	99
35) Caprolactam	8.533	113	94415	61.291	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	335897	59.935	ng	99
37) 2-Methylnaphthalene	8.786	142	688021	58.941	ng	99
38) 1-Methylnaphthalene	8.886	142	661628	58.522	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	321763	59.560	ng	99
41) Hexachlorocyclopentadiene	8.939	237	120063	66.819	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	211702	60.632	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141478.D
 Acq On : 06 Feb 2025 13:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

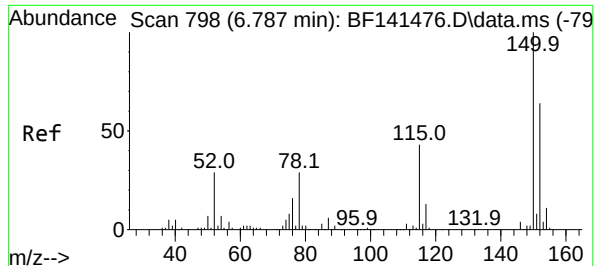
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	100
50) Dimethylphthalate	9.557	163	751128	59.253	ng	99
51) 2,6-Dinitrotoluene	9.622	165	167387	60.403	ng	100
52) Acenaphthene	9.863	154	631289	58.974	ng	99
53) 3-Nitroaniline	9.792	138	179664	60.237	ng	100
54) 2,4-Dinitrophenol	9.898	184	111060	67.432	ng	96
55) Dibenzofuran	10.039	168	915117	58.242	ng	100
56) 4-Nitrophenol	9.963	139	143994	65.035	ng	97
57) 2,4-Dinitrotoluene	10.022	165	222091	60.202	ng	99
58) Fluorene	10.380	166	707371	58.225	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	198636	60.972	ng	99
60) Diethylphthalate	10.257	149	732804	58.755	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	342324	58.570	ng	98
62) 4-Nitroaniline	10.404	138	182946	60.406	ng	96
63) Azobenzene	10.533	77	739338	59.629	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140610	62.884	ng	99
66) n-Nitrosodiphenylamine	10.492	169	603914	58.609	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	213385	59.314	ng	98
68) Hexachlorobenzene	10.927	284	220611	59.552	ng	98
69) Atrazine	11.021	200	175824	56.878	ng	99
70) Pentachlorophenol	11.121	266	153971	65.001	ng	100
71) Phenanthrene	11.345	178	1032075	58.248	ng	100
72) Anthracene	11.392	178	1034181	58.062	ng	99
73) Carbazole	11.551	167	927882	57.896	ng	100
74) Di-n-butylphthalate	11.880	149	1087815	58.783	ng	99
75) Fluoranthene	12.533	202	1053887	56.102	ng	100
77) Benzidine	12.651	184	207602	47.757	ng	99
78) Pyrene	12.763	202	1068624	63.687	ng	99
80) Butylbenzylphthalate	13.380	149	368219	63.357	ng	99
81) Benzo(a)anthracene	13.951	228	774318	59.097	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	208826	55.639	ng	98
83) Chrysene	13.986	228	723815	59.829	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	411979	62.851	ng	100
85) Di-n-octyl phthalate	14.562	149	621505	66.464	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	723493	68.464	ng	100
88) Benzo(b)fluoranthene	14.998	252	695617	60.575	ng	99
89) Benzo(k)fluoranthene	15.027	252	563342	57.449	ng	99
90) Benzo(a)pyrene	15.357	252	561457	60.423	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	584115	68.216	ng	99
92) Benzo(g,h,i)perylene	17.309	276	617241	68.884	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

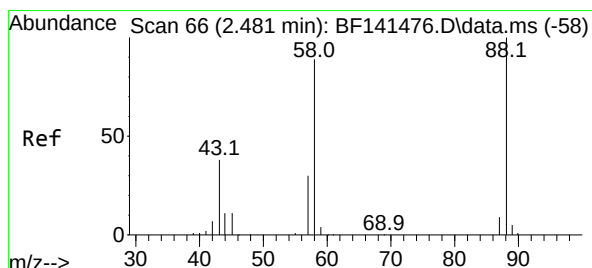
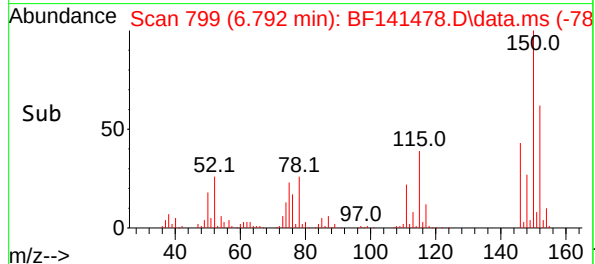
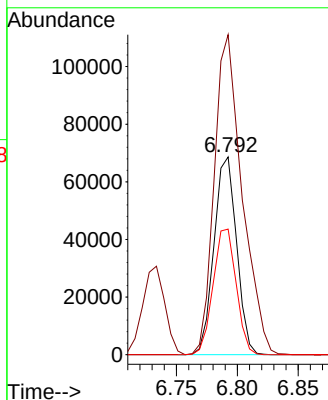
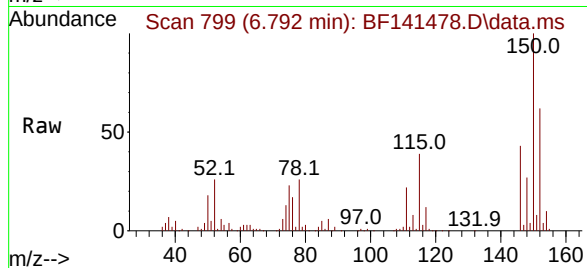
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- 14
- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

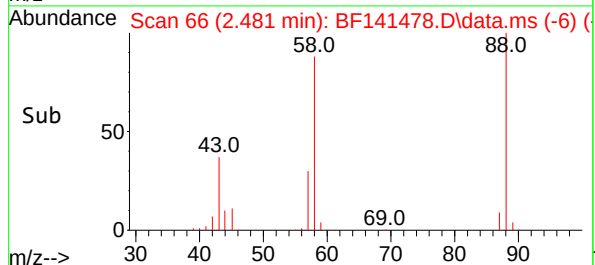
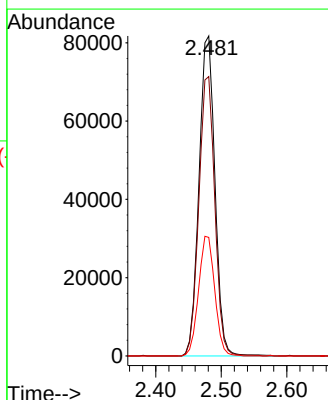
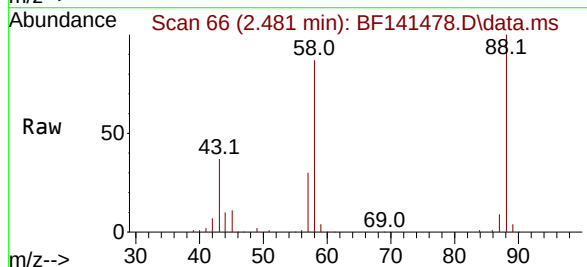
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

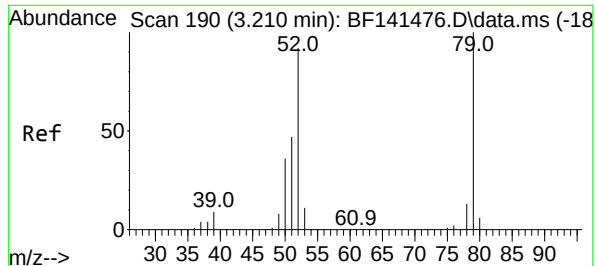
Tgt Ion:152 Resp: 88704
Ion Ratio Lower Upper
152 100
150 161.8 125.0 187.4
115 63.6 53.6 80.4



#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 88 Resp: 138751
Ion Ratio Lower Upper
88 100
58 87.5 71.1 106.7
43 37.9 30.6 46.0





#3

Pyridine

Concen: 61.916 ng

RT: 3.210 min Scan# 190

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

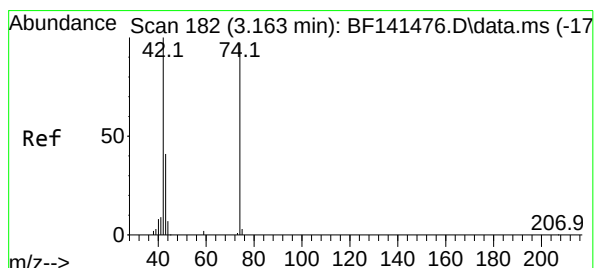
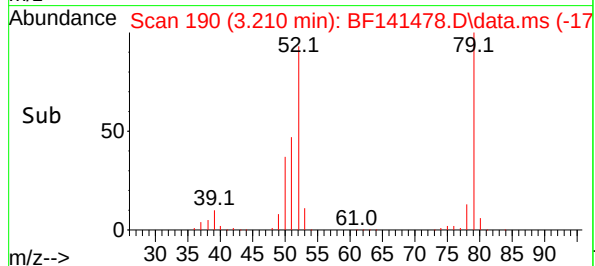
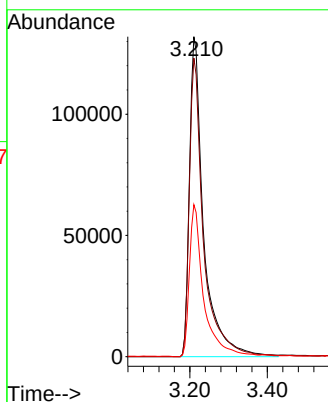
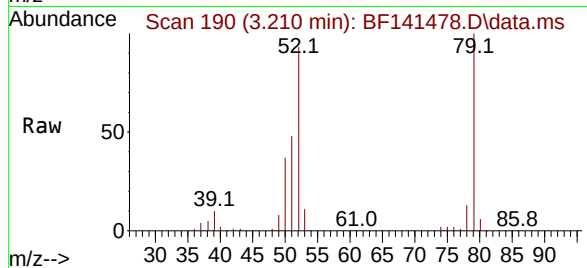
Tgt Ion: 79 Resp: 335519

Ion Ratio Lower Upper

79 100

52 93.3 73.7 110.5

51 47.5 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 62.715 ng

RT: 3.175 min Scan# 184

Delta R.T. -0.012 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

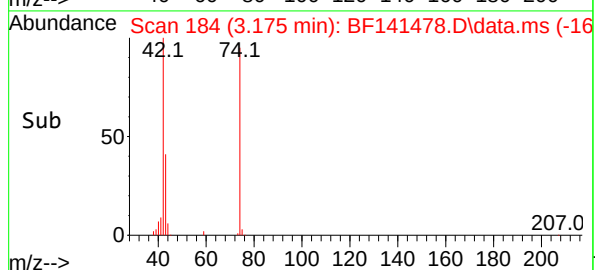
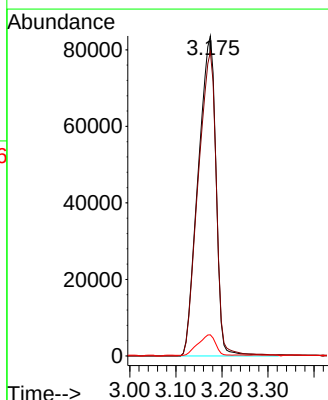
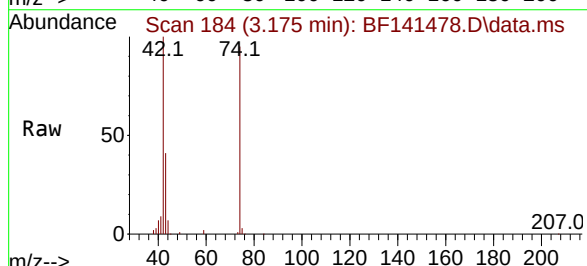
Tgt Ion: 42 Resp: 225031

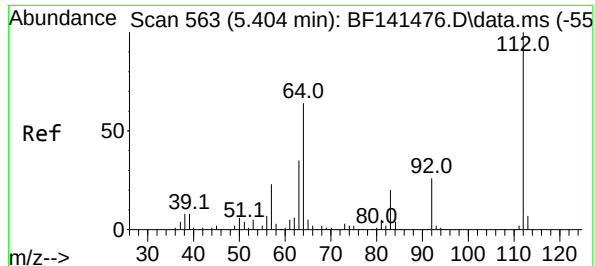
Ion Ratio Lower Upper

42 100

74 95.0 78.0 117.0

44 6.6 5.4 8.2

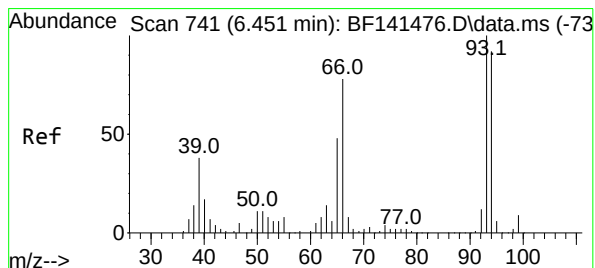
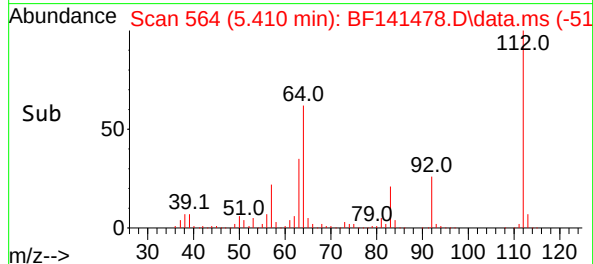
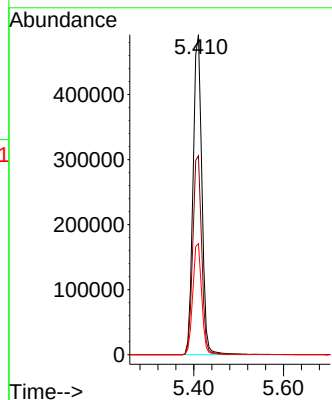
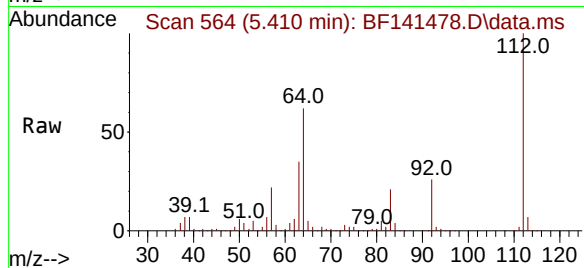




#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

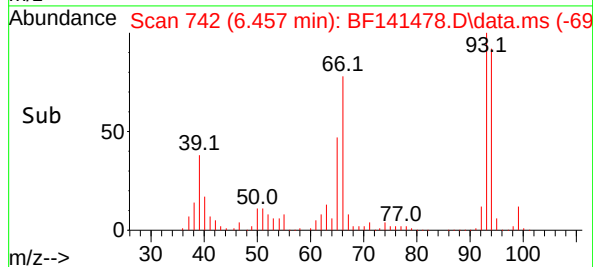
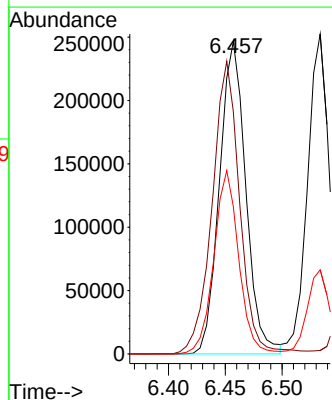
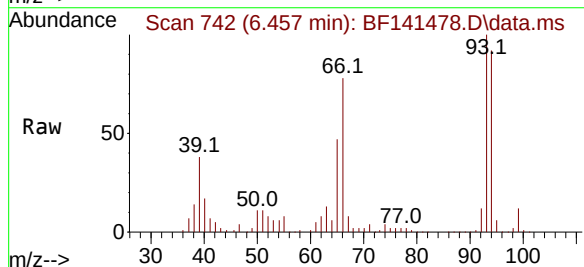
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

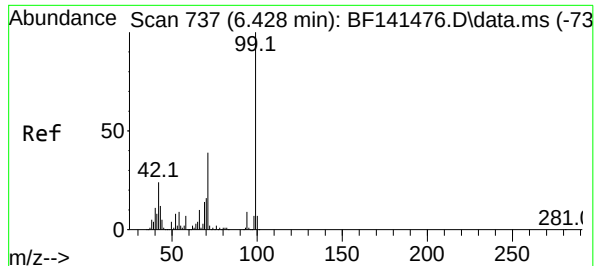
Tgt Ion:112 Resp: 672709
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 34.7 28.4 42.6



#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 397494
Ion Ratio Lower Upper
93 100
66 77.6 62.6 94.0
65 47.2 38.3 57.5

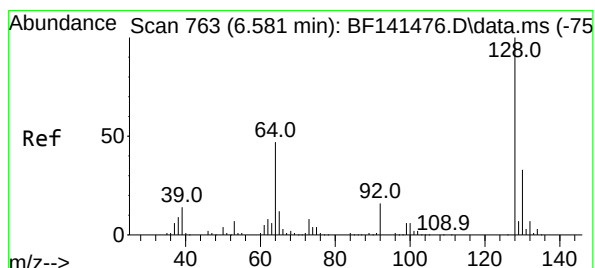
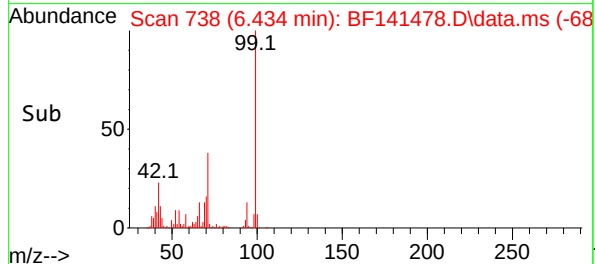
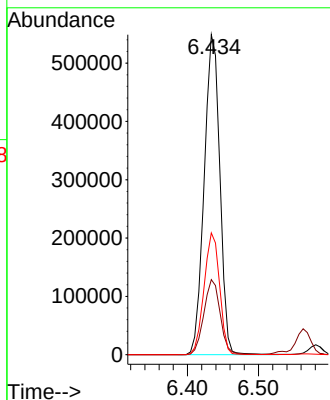
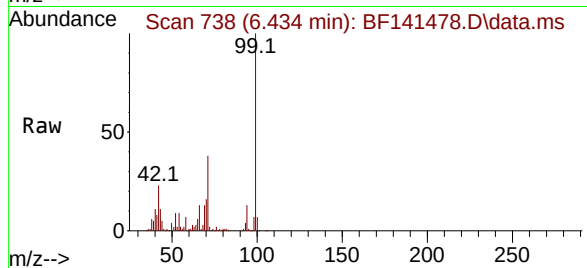




#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

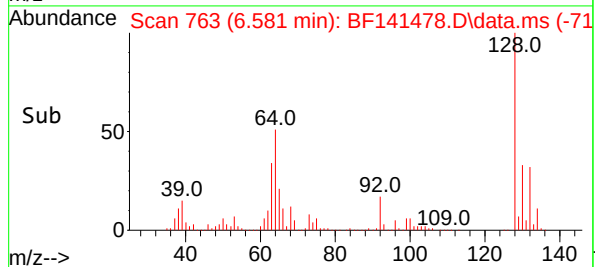
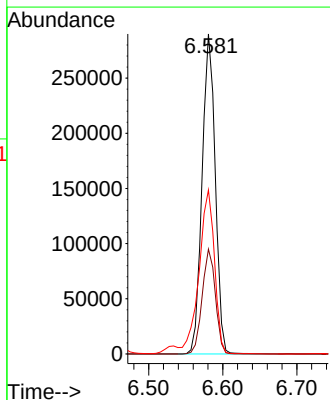
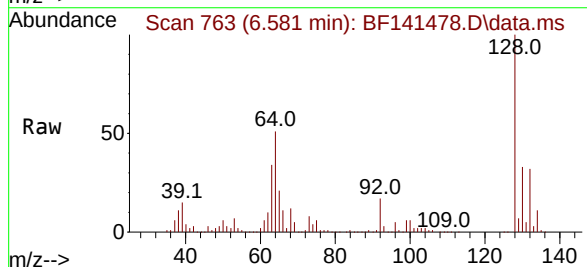
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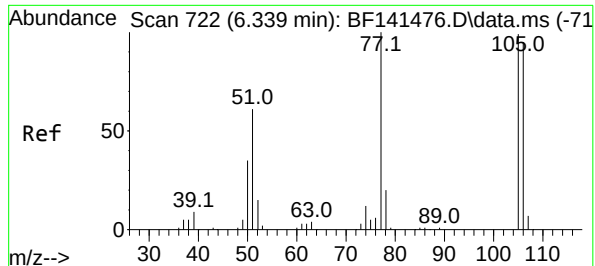
Tgt Ion: 99 Resp: 843410
Ion Ratio Lower Upper
99 100
42 23.5 19.1 28.7
71 38.0 31.1 46.7



#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 128 Resp: 358027
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 51.3 28.3 68.3

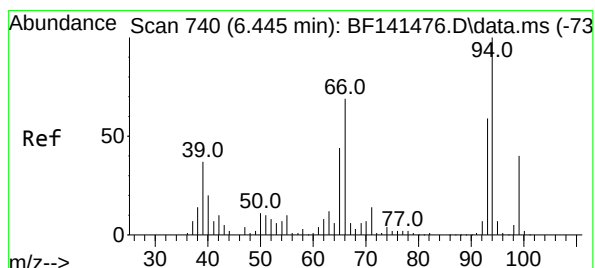
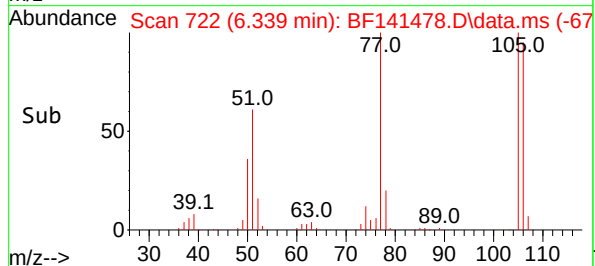
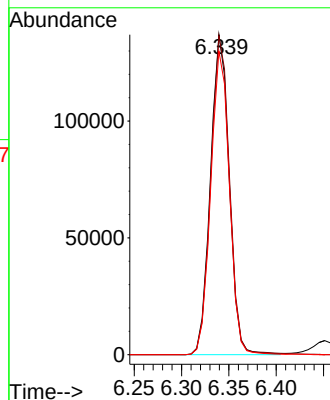
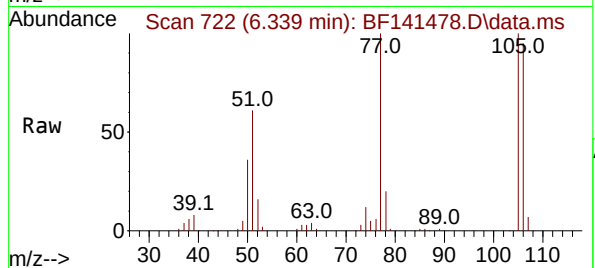




#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

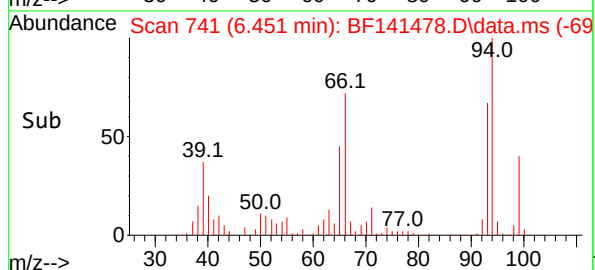
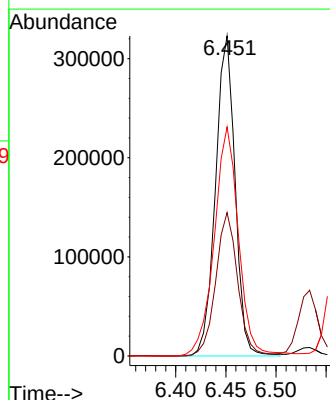
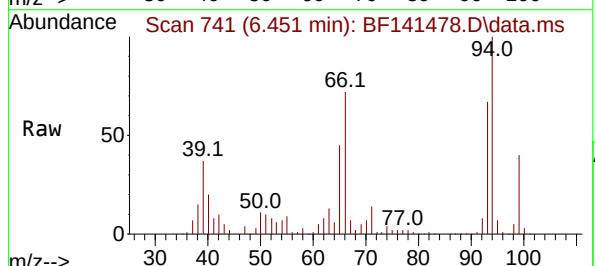
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

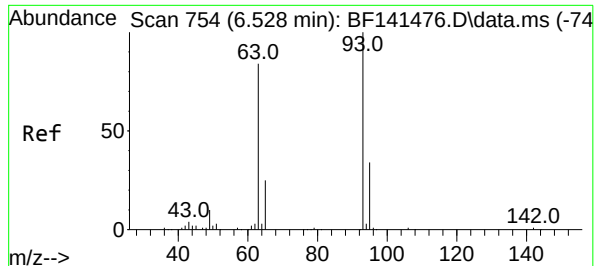
Tgt Ion: 77 Resp: 187887
Ion Ratio Lower Upper
77 100
105 99.7 79.4 119.4
106 94.9 75.1 115.1



#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 94 Resp: 437528
Ion Ratio Lower Upper
94 100
65 44.8 23.7 63.7
66 71.5 49.3 89.3

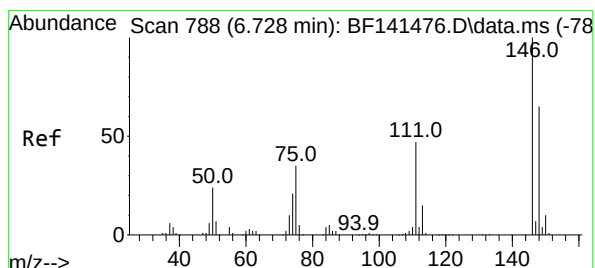
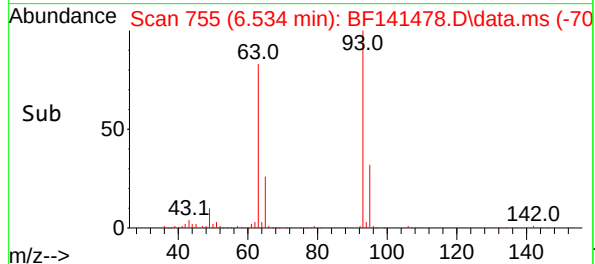
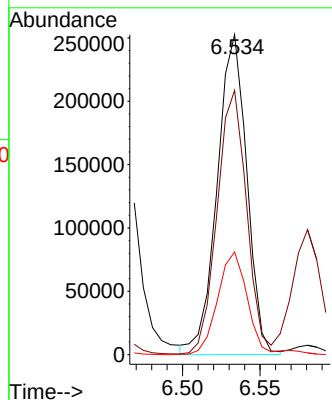
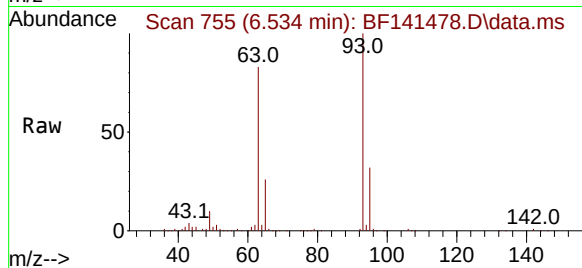




#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

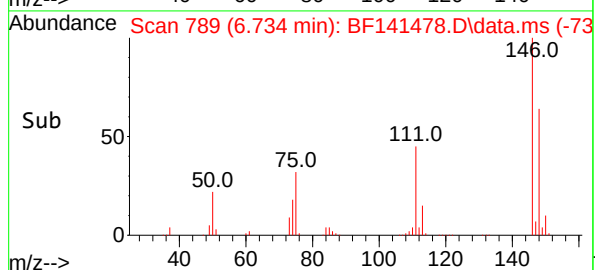
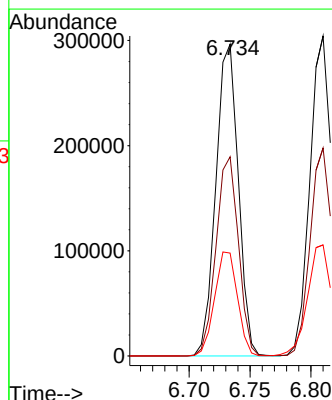
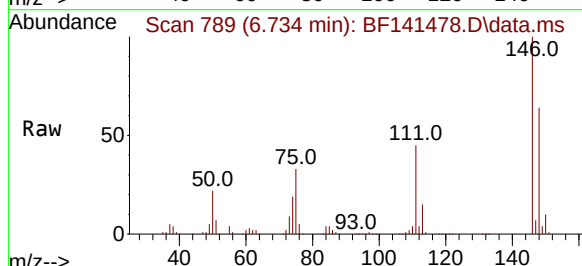
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

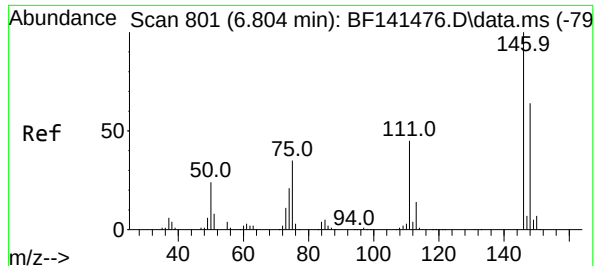
Tgt Ion: 93 Resp: 335957
Ion Ratio Lower Upper
93 100
63 82.6 62.0 102.0
95 32.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 380433
Ion Ratio Lower Upper
146 100
148 63.9 51.9 77.9
75 33.0 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 58.050 ng

RT: 6.810 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

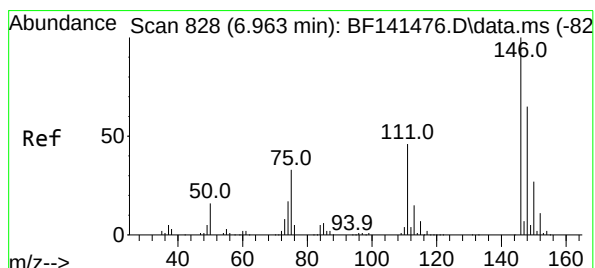
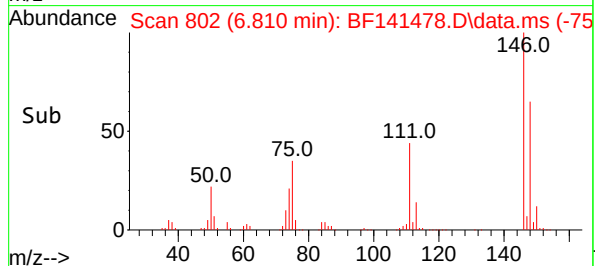
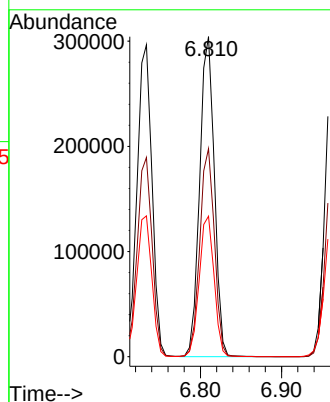
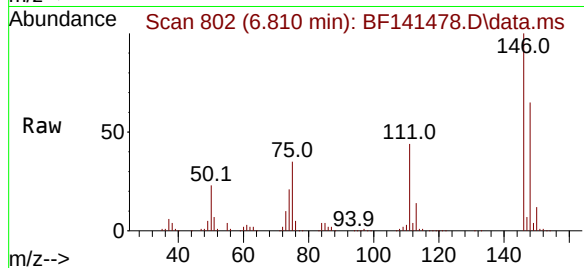
Tgt Ion:146 Resp: 382812

Ion Ratio Lower Upper

146 100

148 65.0 50.9 76.3

111 43.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 58.465 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

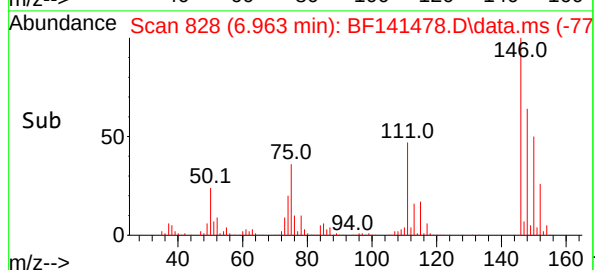
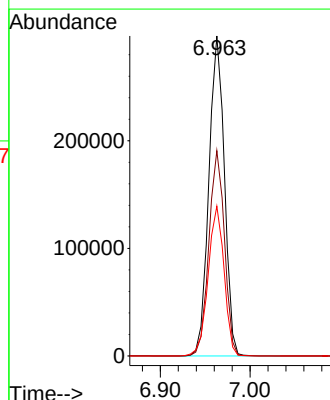
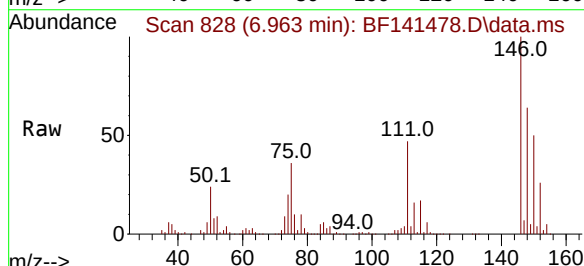
Tgt Ion:146 Resp: 357837

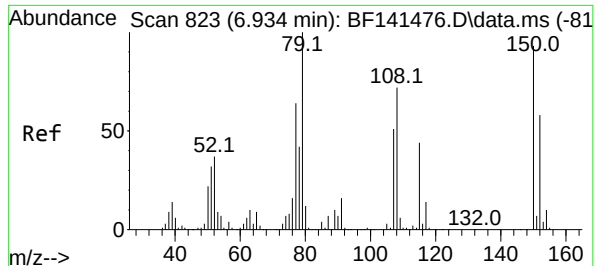
Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.6

111 46.8 37.0 55.4





#15

Benzyl Alcohol

Concen: 59.125 ng

RT: 6.939 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

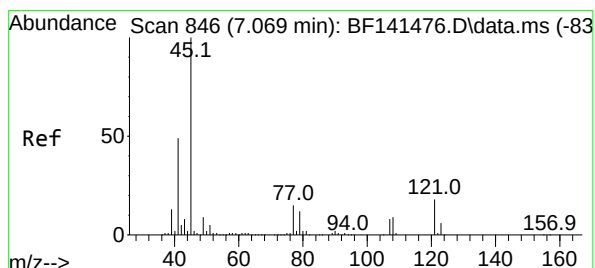
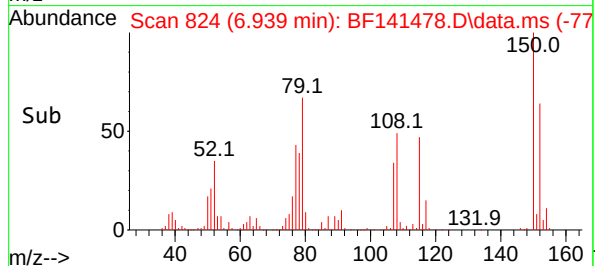
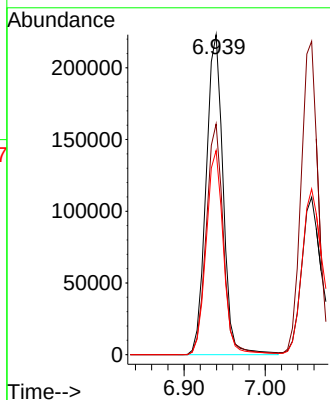
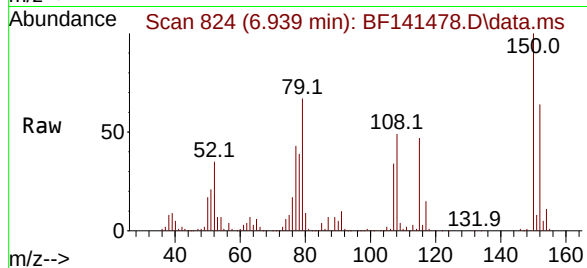
Tgt Ion: 79 Resp: 324244

Ion Ratio Lower Upper

79 100

108 72.1 57.4 86.2

77 63.8 50.9 76.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 57.883 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

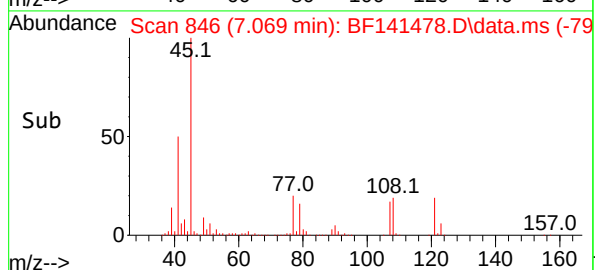
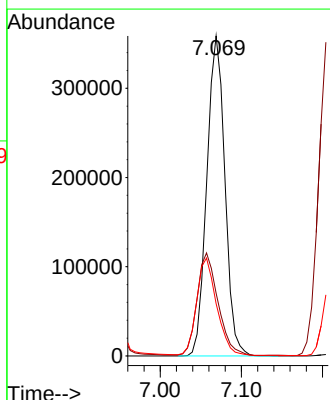
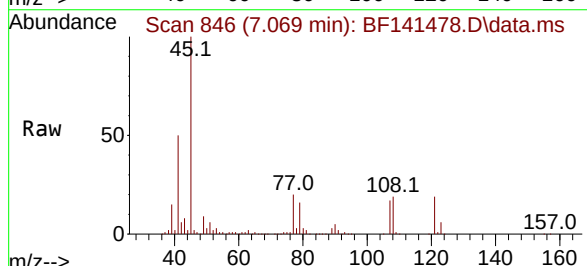
Tgt Ion: 45 Resp: 553943

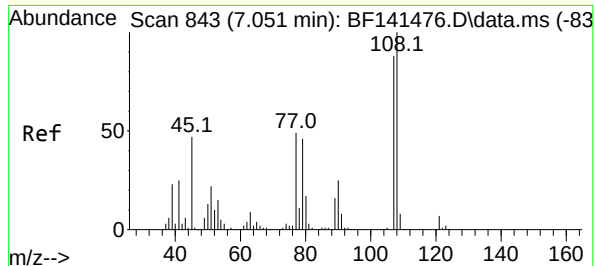
Ion Ratio Lower Upper

45 100

77 19.6 0.0 35.8

79 16.3 0.0 32.7

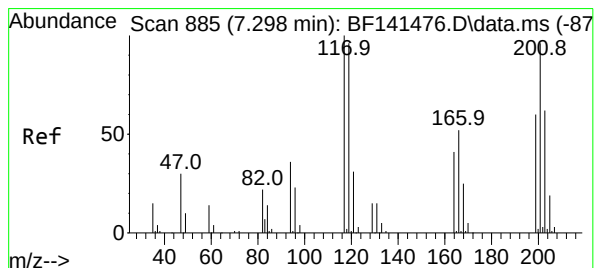
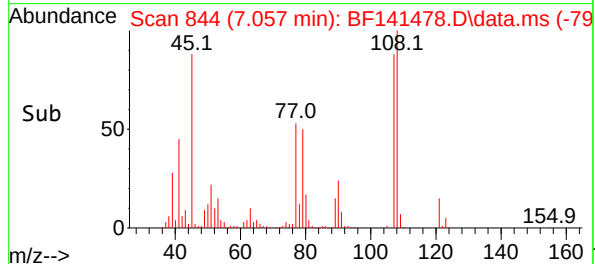
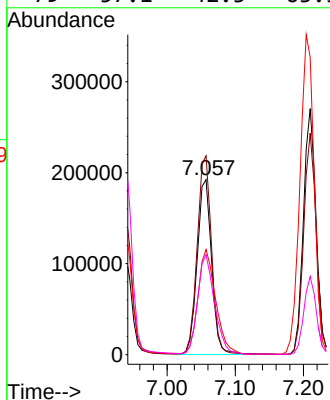
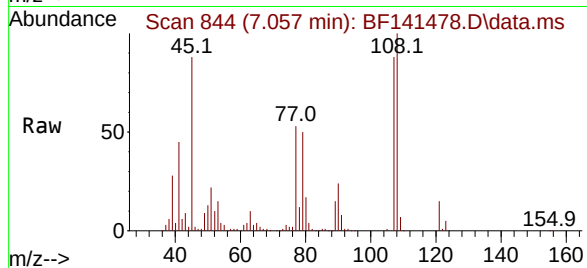




#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

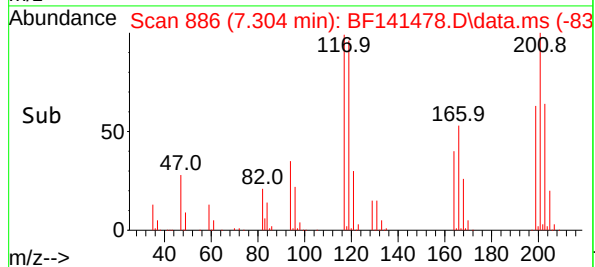
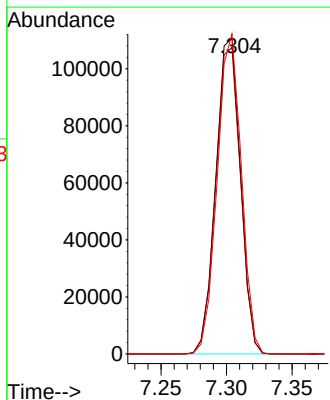
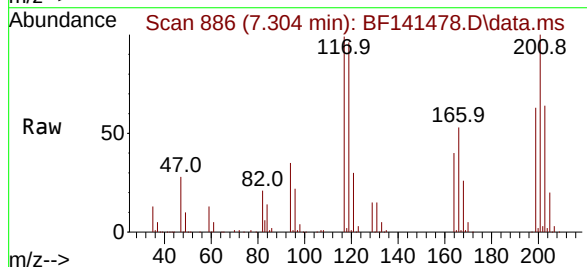
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

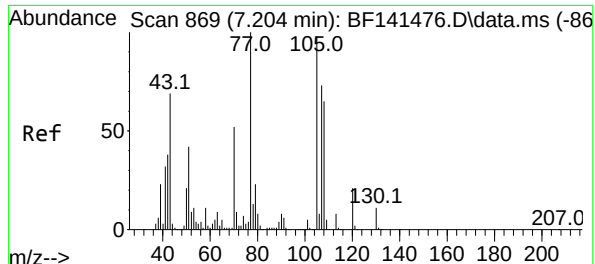
Tgt Ion:107 Resp: 283563
Ion Ratio Lower Upper
107 100
108 113.6 90.6 136.0
77 60.1 44.4 66.6
79 57.1 42.3 63.5



#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:117 Resp: 144816
Ion Ratio Lower Upper
117 100
119 97.1 76.5 114.7
201 101.4 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 58.540 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141478.D

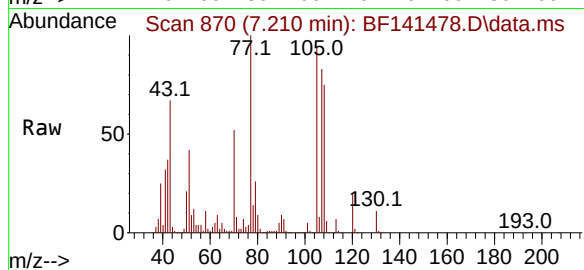
Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

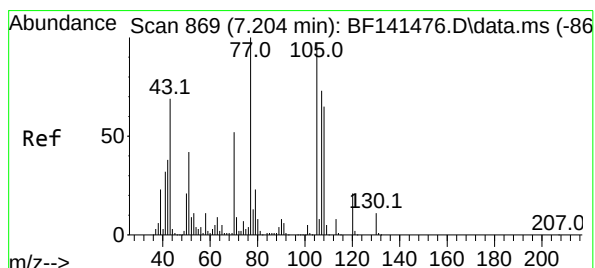
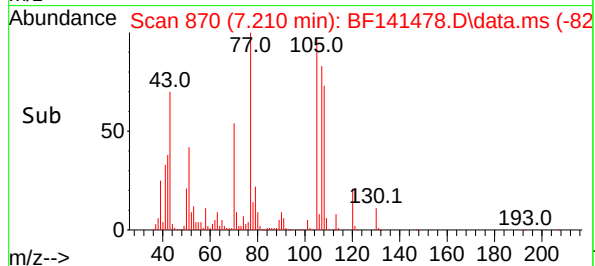
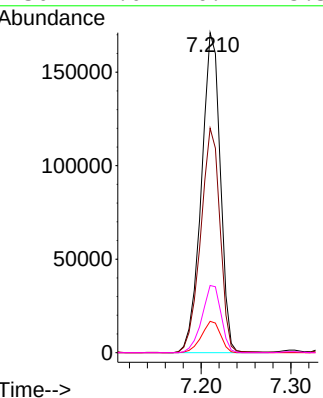
ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 250412

Ion	Ratio	Lower	Upper
70	100		
42	70.1	57.4	86.2
101	9.8	8.0	12.0
130	21.0	16.9	25.3



#20

3+4-Methylphenols

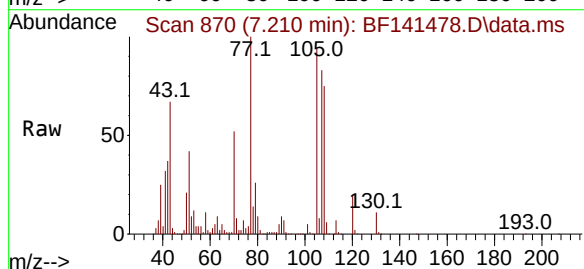
Concen: 57.722 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

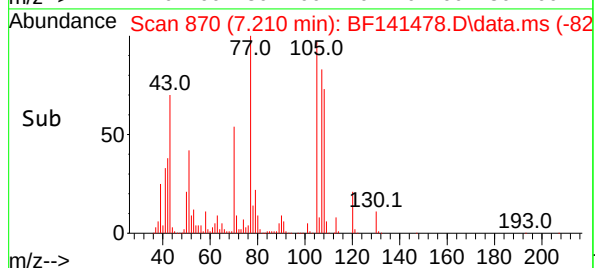
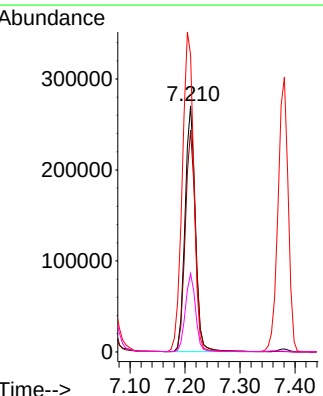
Lab File: BF141478.D

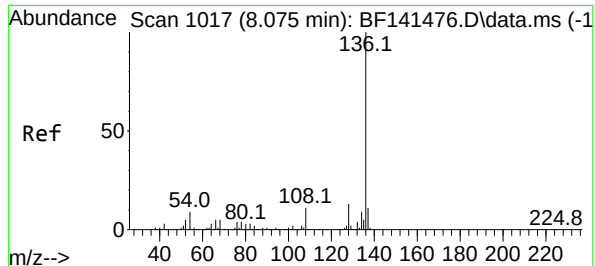
Acq: 06 Feb 2025 13:47



Tgt Ion: 107 Resp: 350980

Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.5	108.5
77	120.7	116.5	156.5
79	31.8	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 344609

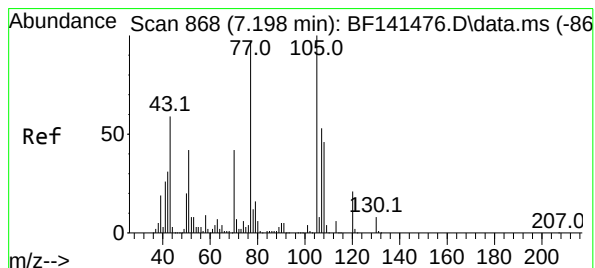
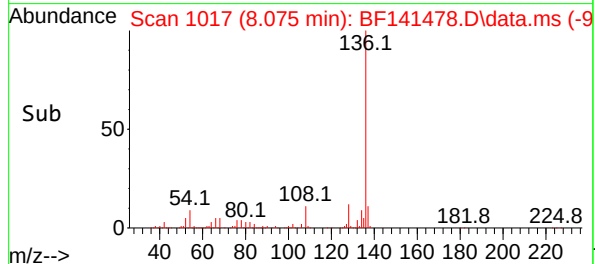
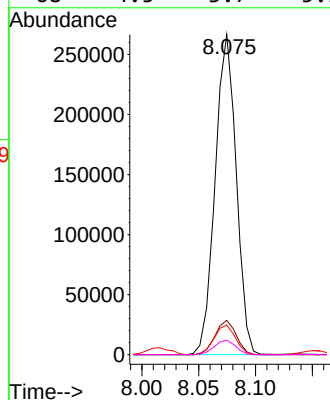
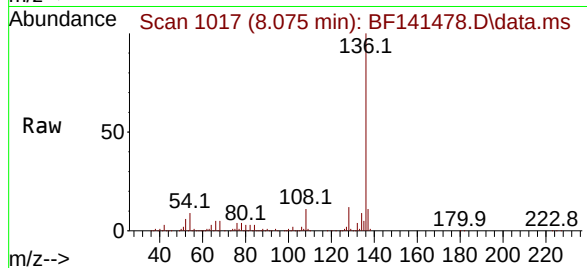
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.2 7.2 10.8

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 58.828 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:105 Resp: 504294

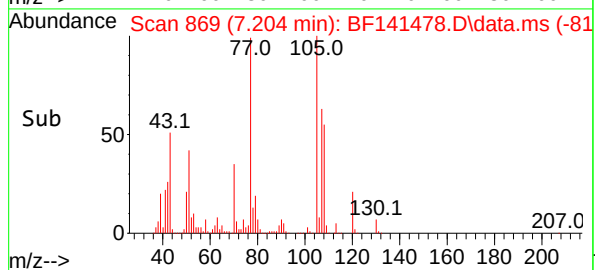
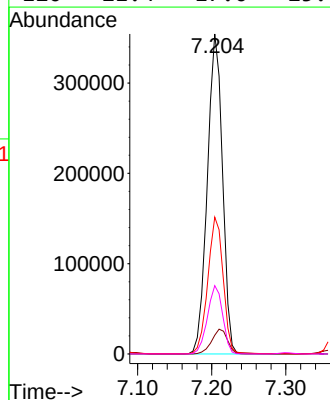
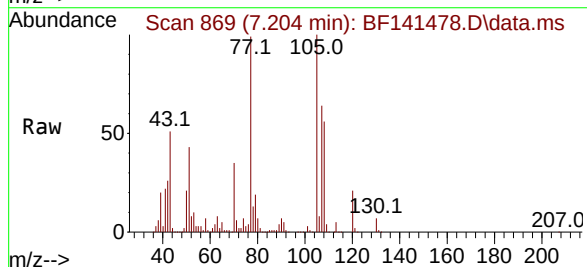
Ion Ratio Lower Upper

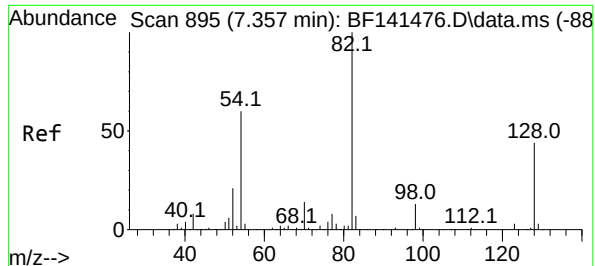
105 100

71 5.9 5.7 8.5

51 42.7 33.7 50.5

120 21.4 17.0 25.6





#23

Nitrobenzene-d5

Concen: 119.351 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

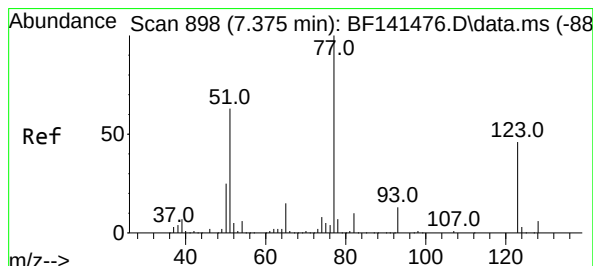
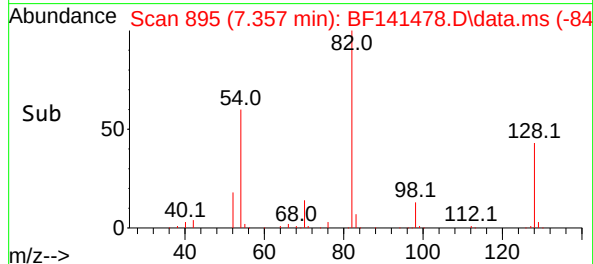
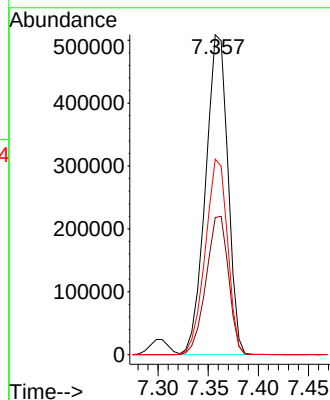
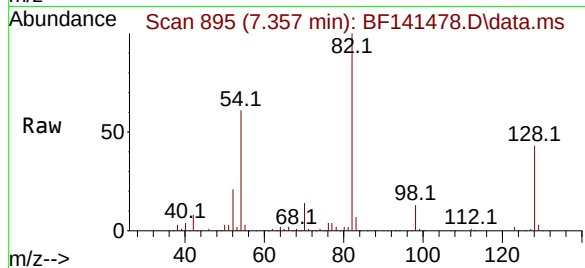
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 788550

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	61.1	48.2	72.4



#24

Nitrobenzene

Concen: 60.096 ng

RT: 7.381 min Scan# 899

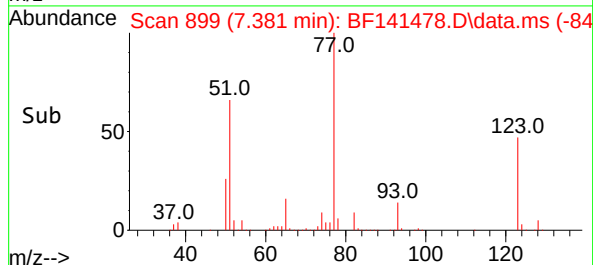
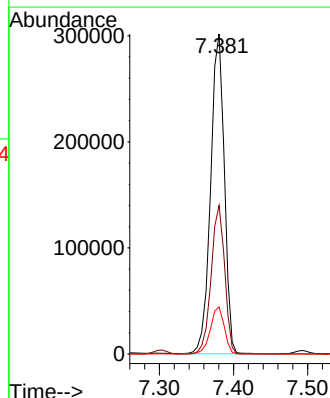
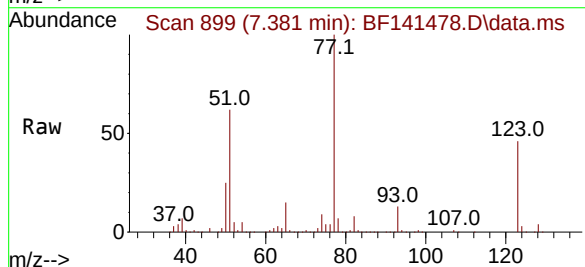
Delta R.T. 0.000 min

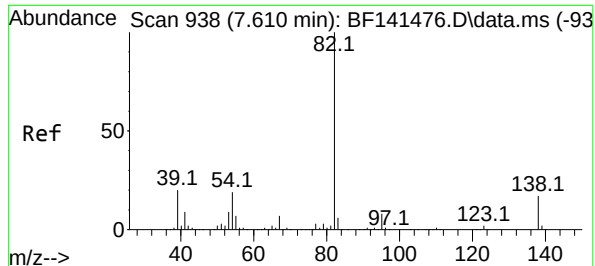
Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion: 77 Resp: 387174

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.7	11.9	17.9

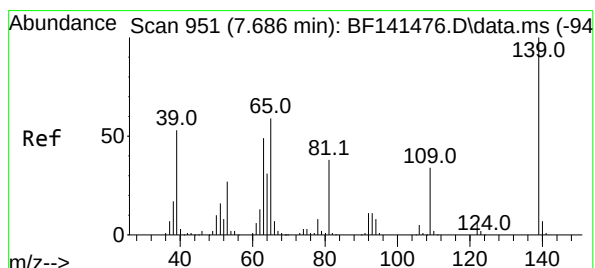
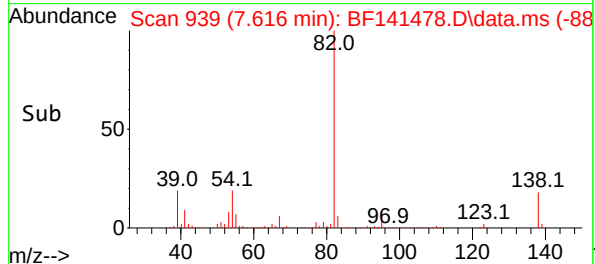
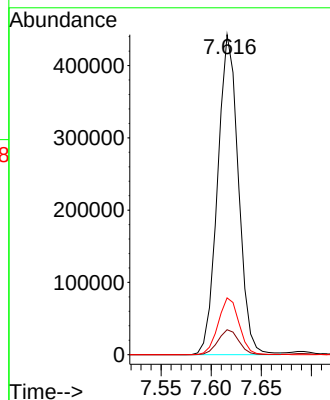
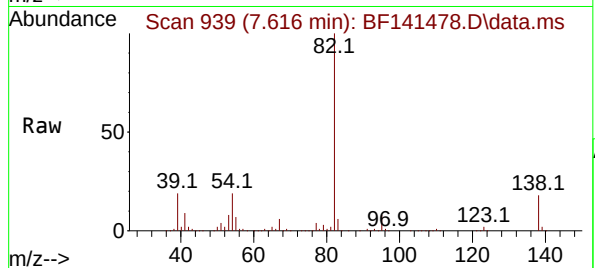




#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

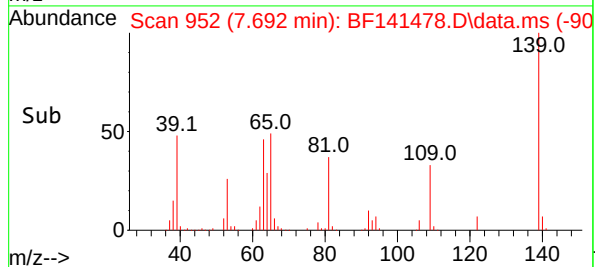
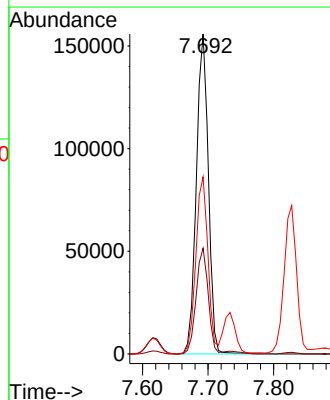
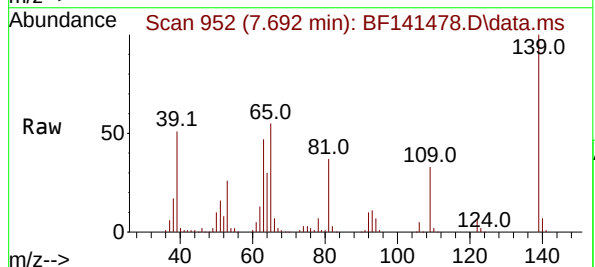
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

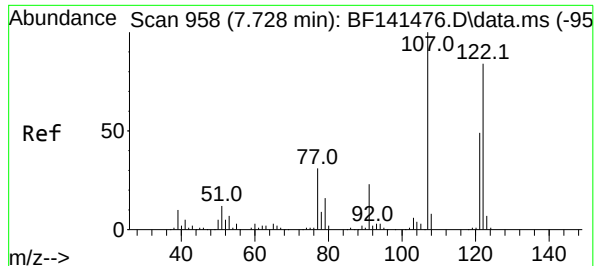
Tgt Ion: 82 Resp: 638004
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.7 13.9 20.9



#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 139 Resp: 199140
Ion Ratio Lower Upper
139 100
109 33.1 27.0 40.6
65 55.3 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 60.836 ng

RT: 7.733 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

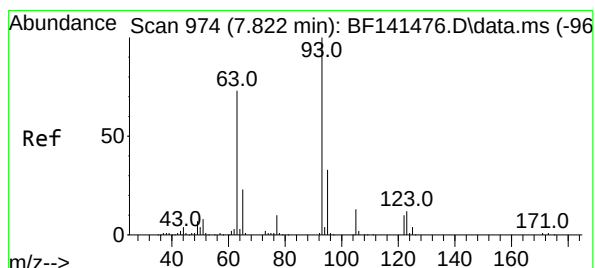
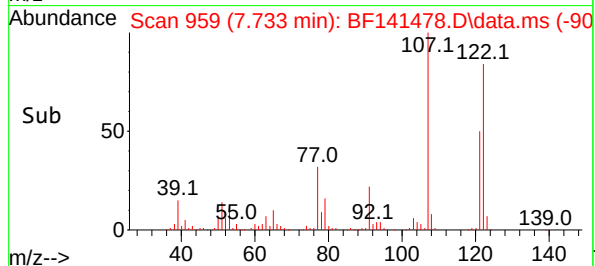
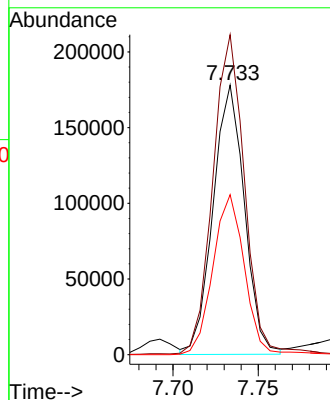
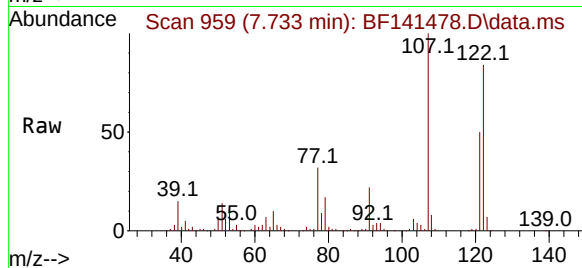
Tgt Ion:122 Resp: 227803

Ion Ratio Lower Upper

122 100

107 118.7 94.3 141.5

121 59.4 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 59.877 ng

RT: 7.828 min Scan# 975

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

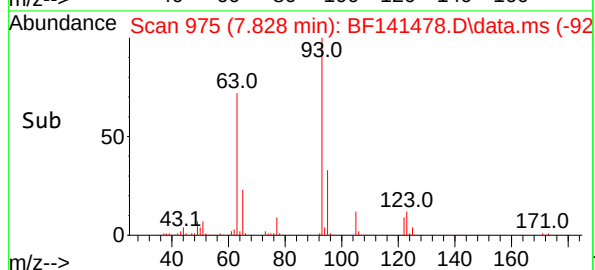
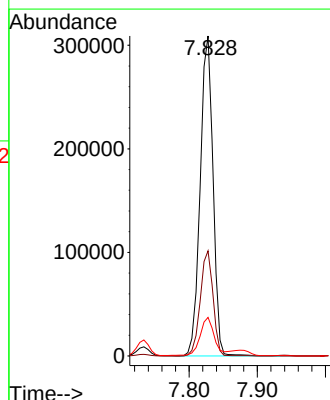
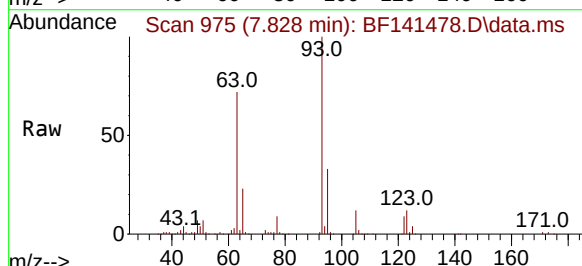
Tgt Ion: 93 Resp: 404195

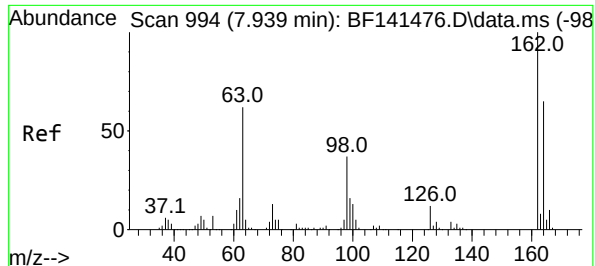
Ion Ratio Lower Upper

93 100

95 32.8 26.1 39.1

123 12.1 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 59.683 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

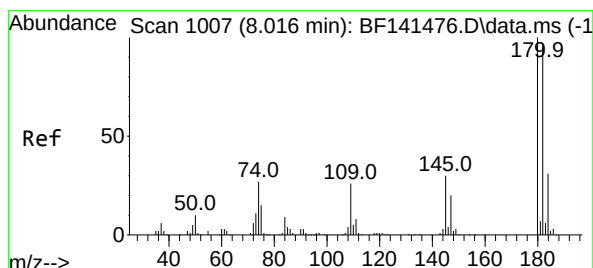
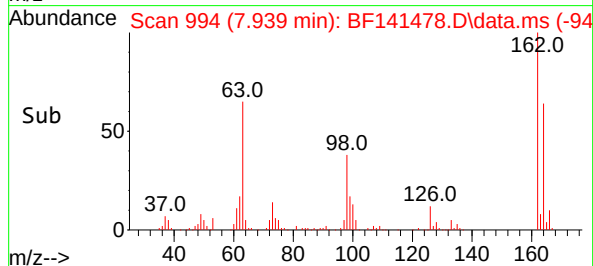
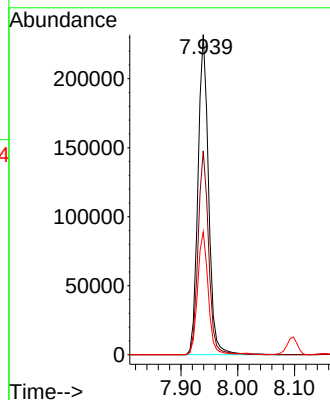
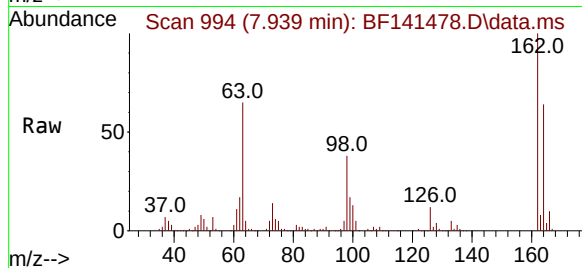
Tgt Ion:162 Resp: 301959

Ion Ratio Lower Upper

162 100

164 63.7 44.6 84.6

98 38.4 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 59.561 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

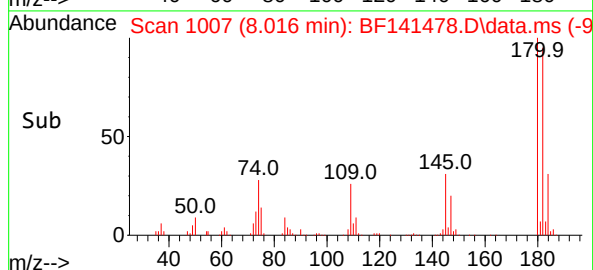
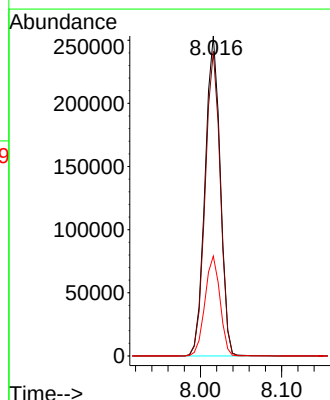
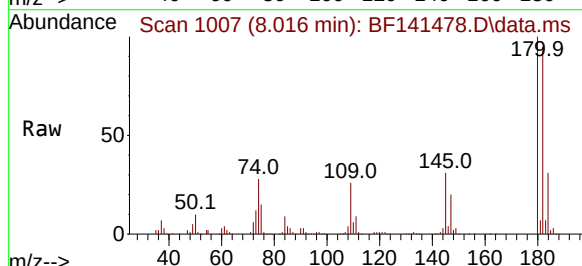
Tgt Ion:180 Resp: 328150

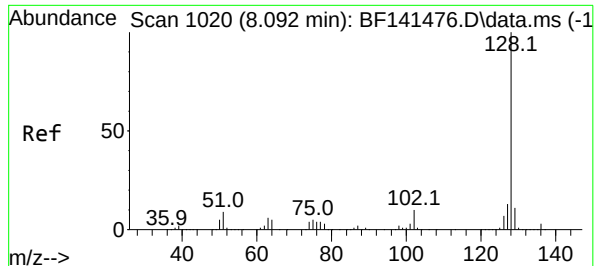
Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

145 31.2 24.2 36.4





#31

Naphthalene

Concen: 58.889 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

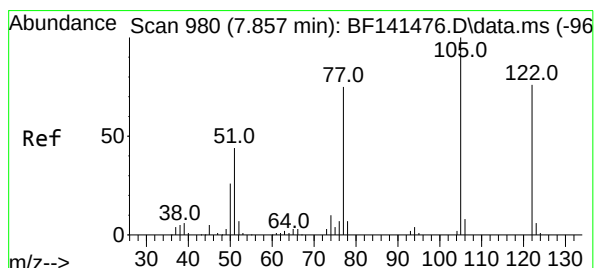
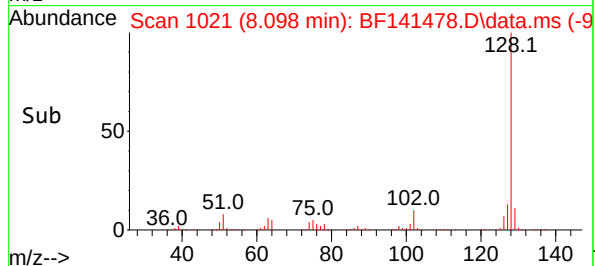
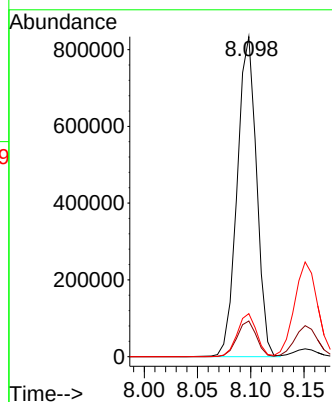
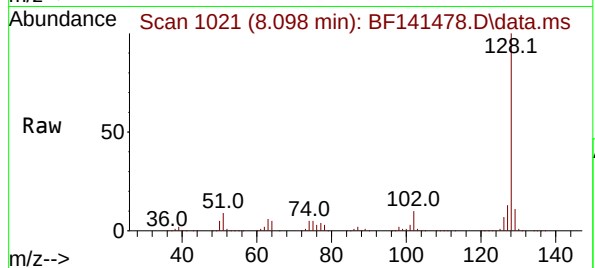
Tgt Ion:128 Resp: 1056367

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.4 10.7 16.1



#32

Benzoic acid

Concen: 64.532 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.017 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

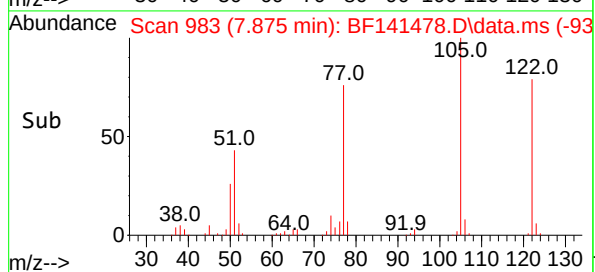
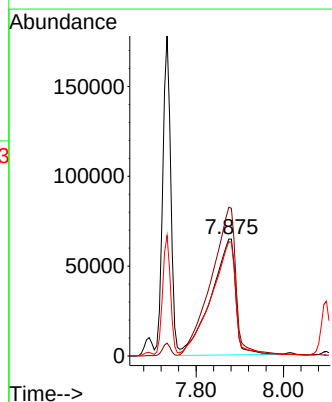
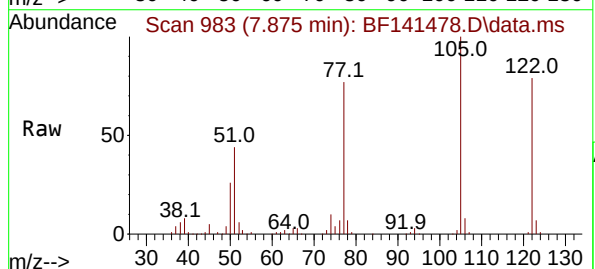
Tgt Ion:122 Resp: 250995

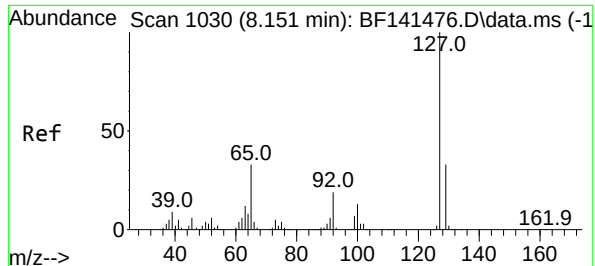
Ion Ratio Lower Upper

122 100

105 127.0 106.5 146.5

77 97.7 76.3 116.3





#33

4-Chloroaniline

Concen: 60.070 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 376211

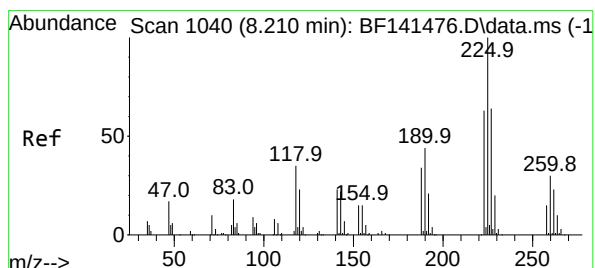
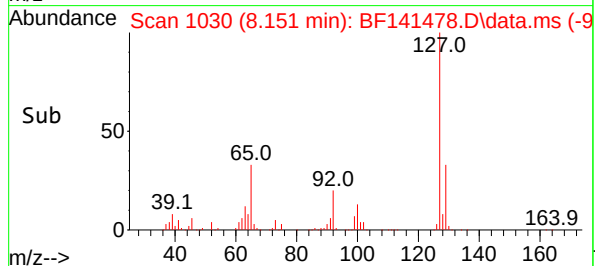
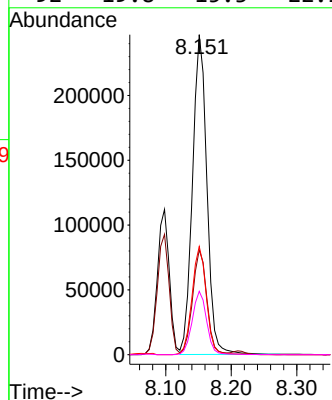
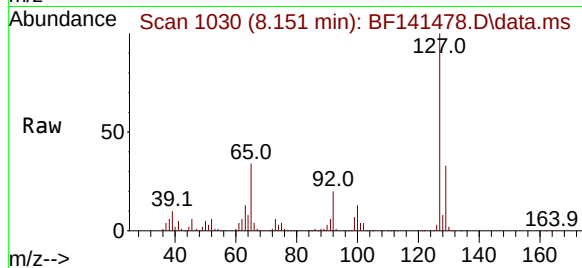
Ion Ratio Lower Upper

127 100

129 32.8 26.5 39.7

65 33.8 26.4 39.6

92 19.8 15.3 22.9



#34

Hexachlorobutadiene

Concen: 59.849 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

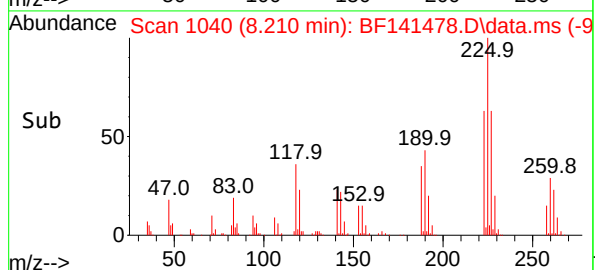
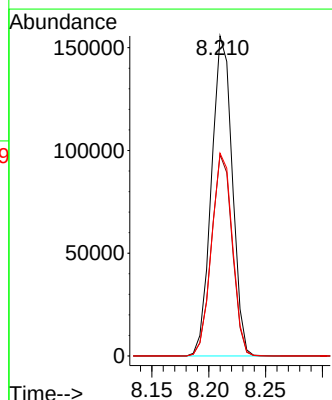
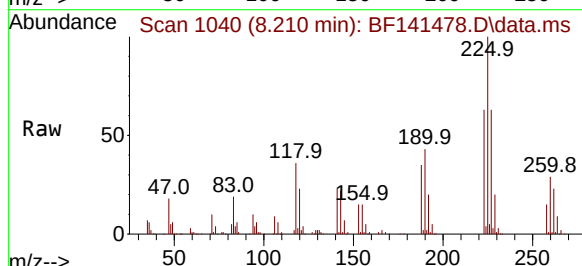
Tgt Ion:225 Resp: 197955

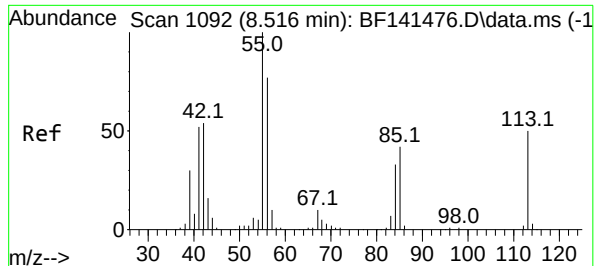
Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 63.4 51.0 76.6





#35

Caprolactam

Concen: 61.291 ng

RT: 8.533 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

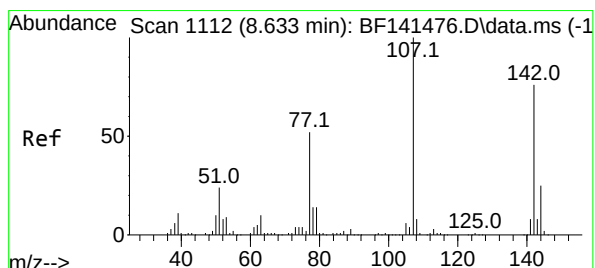
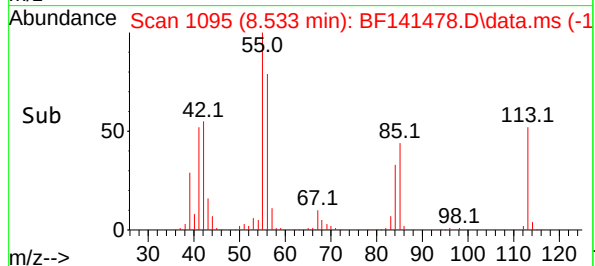
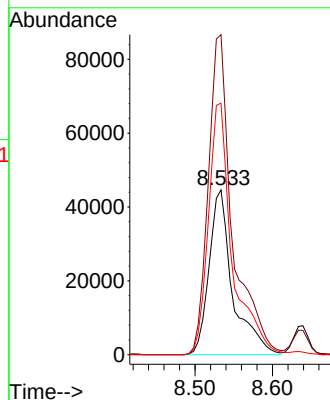
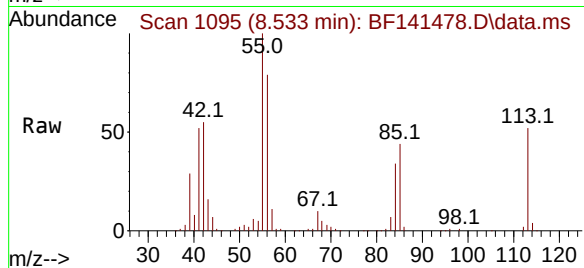
Tgt Ion:113 Resp: 94415

Ion Ratio Lower Upper

113 100

55 194.1 180.8 220.8

56 152.5 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 59.935 ng

RT: 8.639 min Scan# 1113

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

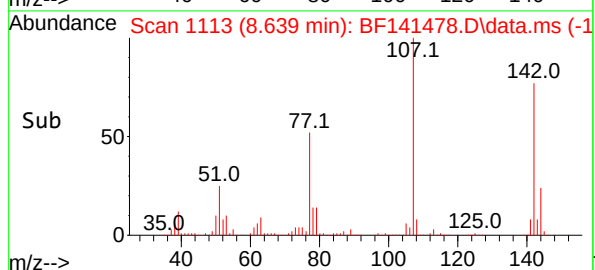
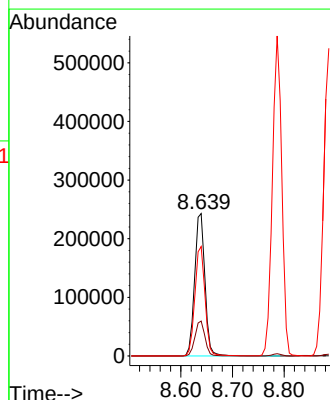
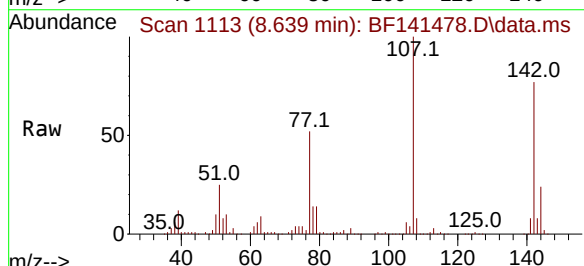
Tgt Ion:107 Resp: 335897

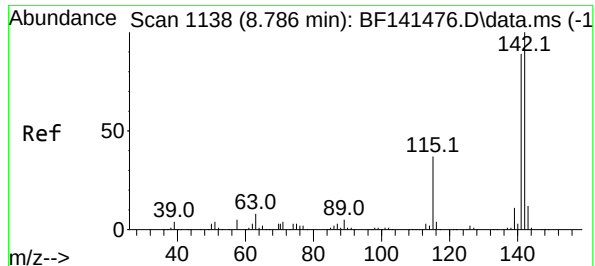
Ion Ratio Lower Upper

107 100

144 24.5 19.7 29.5

142 76.8 60.8 91.2





#37

2-Methylnaphthalene

Concen: 58.941 ng

RT: 8.786 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

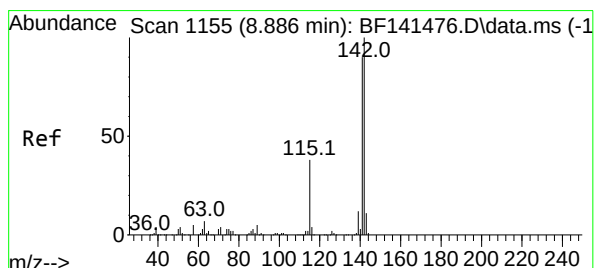
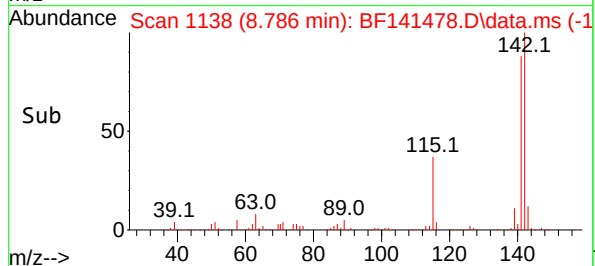
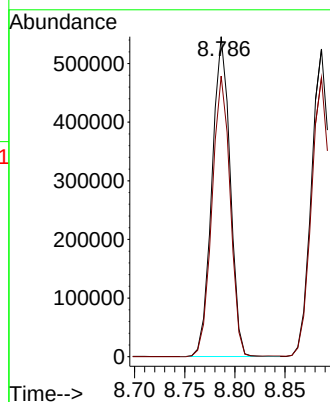
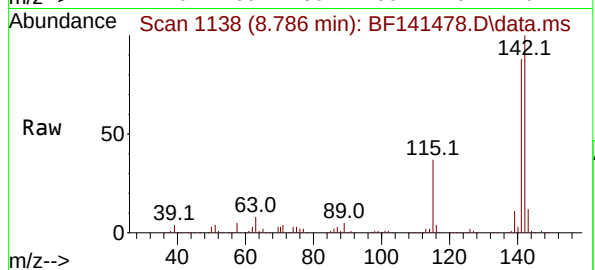
SSTDICC060

Tgt Ion:142 Resp: 688021

Ion Ratio Lower Upper

142 100

141 87.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 58.522 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF141478.D

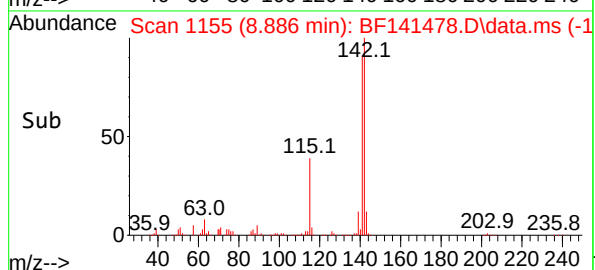
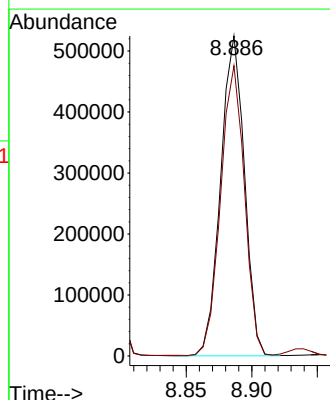
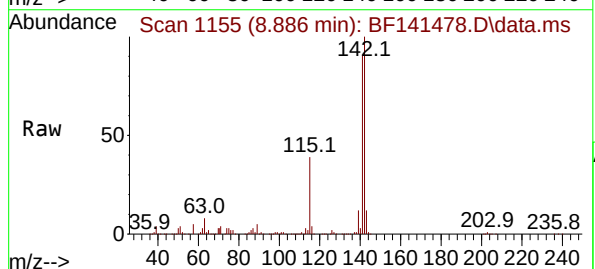
Acq: 06 Feb 2025 13:47

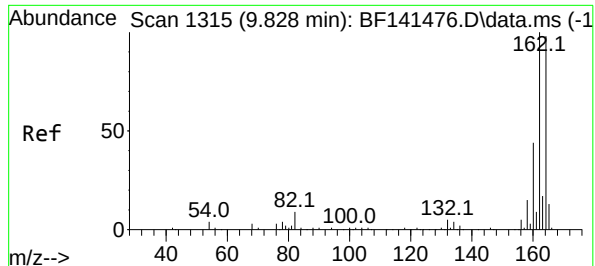
Tgt Ion:142 Resp: 661628

Ion Ratio Lower Upper

142 100

141 90.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

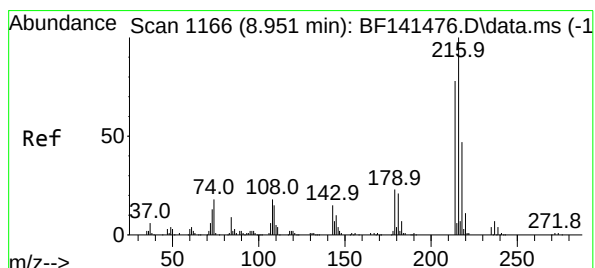
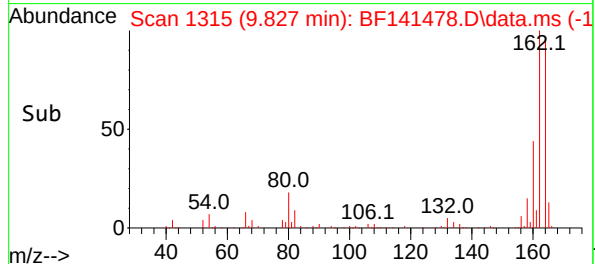
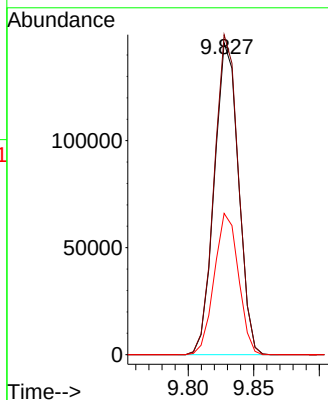
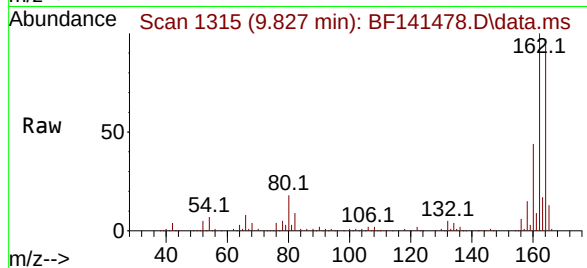
Tgt Ion:164 Resp: 186729

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

160 45.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.560 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:216 Resp: 321763

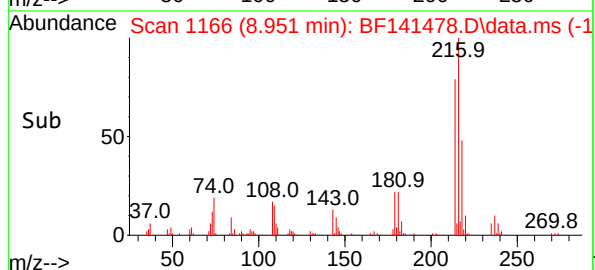
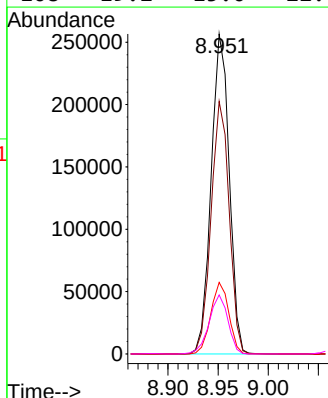
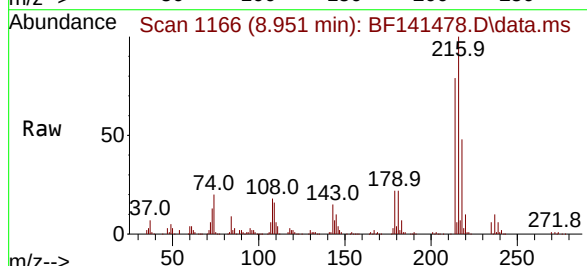
Ion Ratio Lower Upper

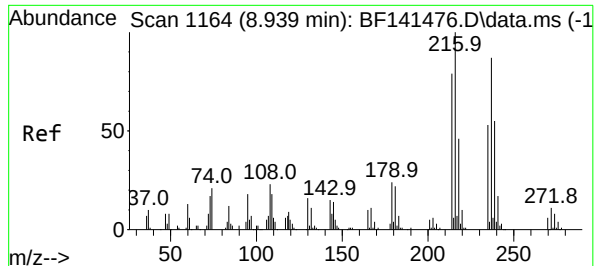
216 100

214 79.0 62.3 93.5

179 22.3 18.0 27.0

108 19.2 15.0 22.6

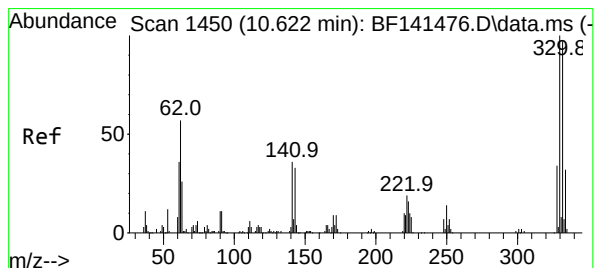
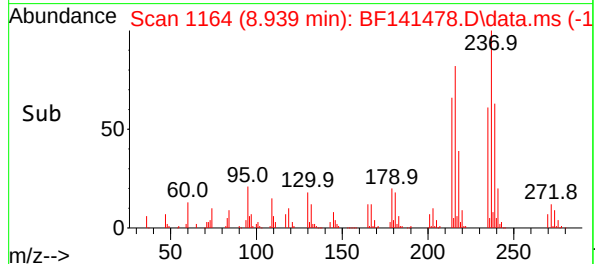
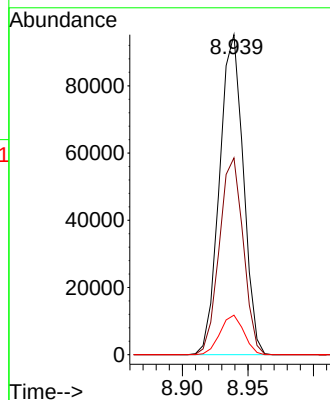
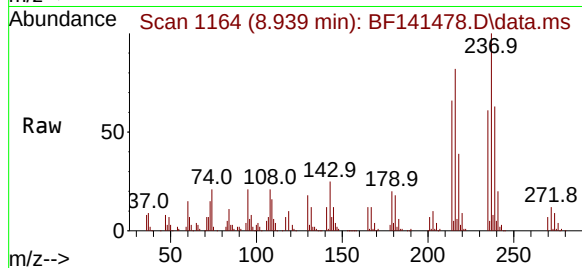




#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

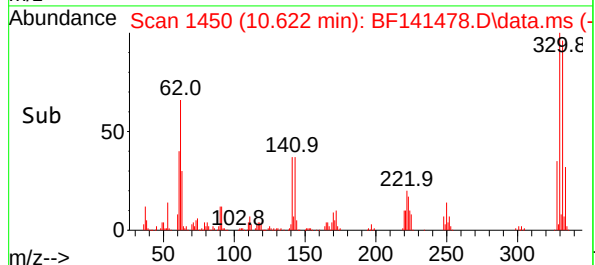
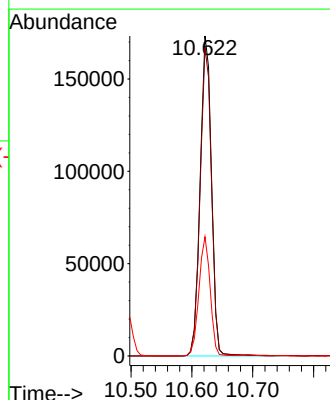
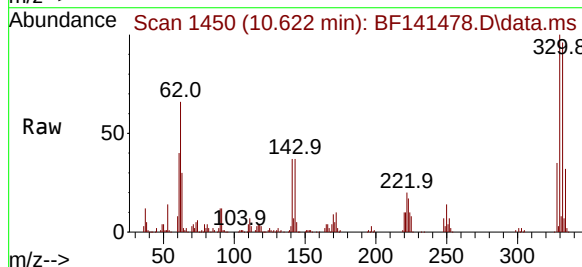
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

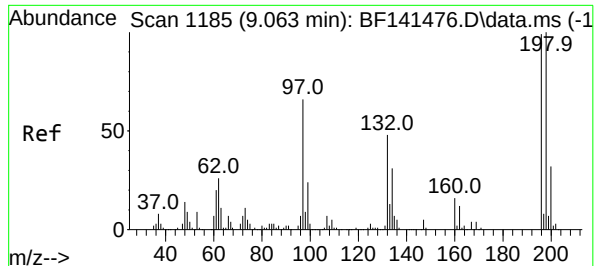
Tgt Ion:237 Resp: 120063
Ion Ratio Lower Upper
237 100
235 61.5 41.4 81.4
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:330 Resp: 225049
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 36.9 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 60.632 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

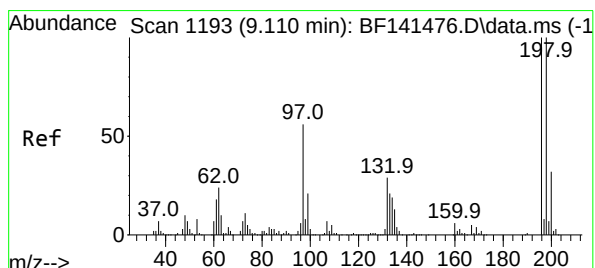
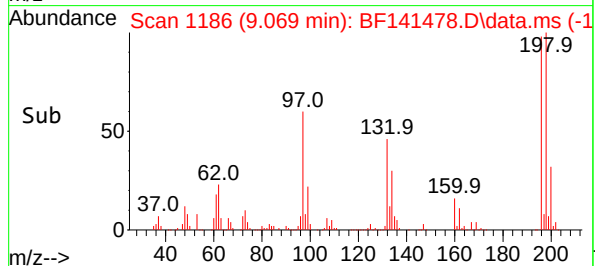
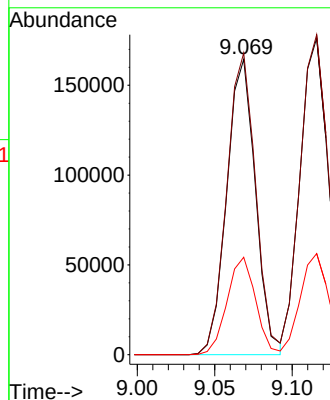
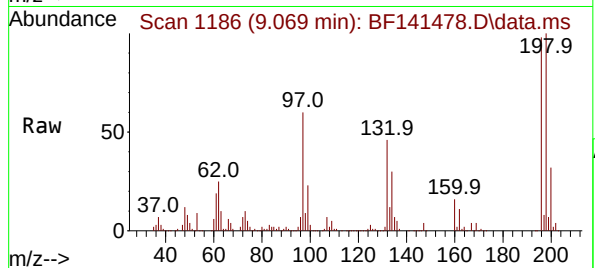
Tgt Ion:196 Resp: 211702

Ion Ratio Lower Upper

196 100

198 102.2 80.6 121.0

200 33.0 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 60.519 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:196 Resp: 229006

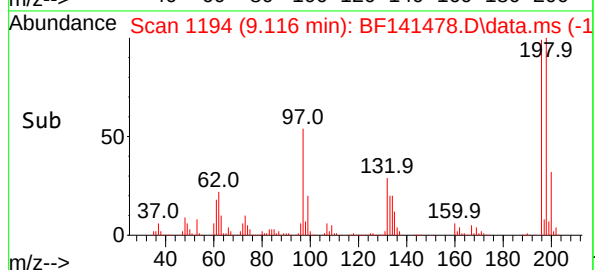
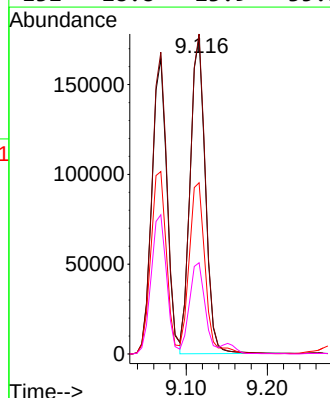
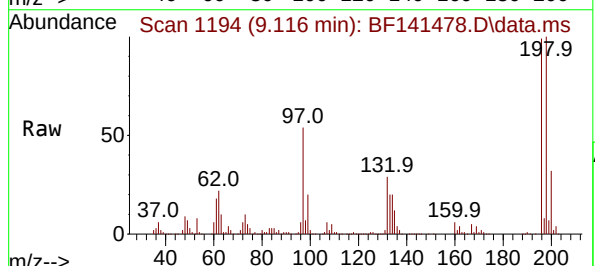
Ion Ratio Lower Upper

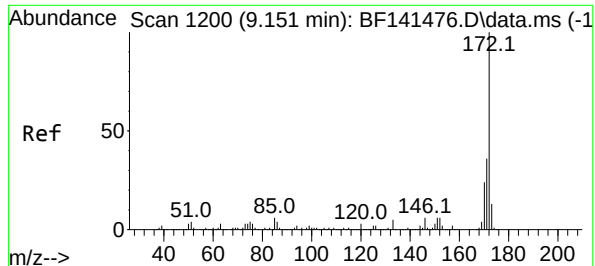
196 100

198 101.1 79.8 119.8

97 54.1 44.8 67.2

132 28.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 116.358 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

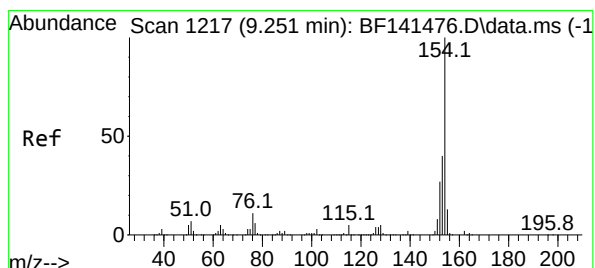
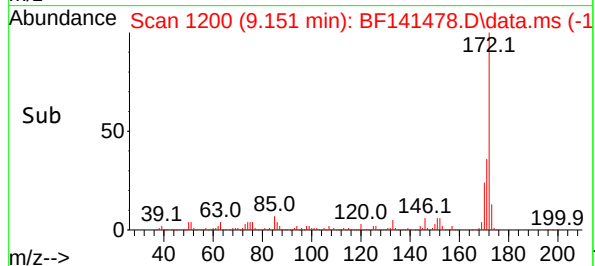
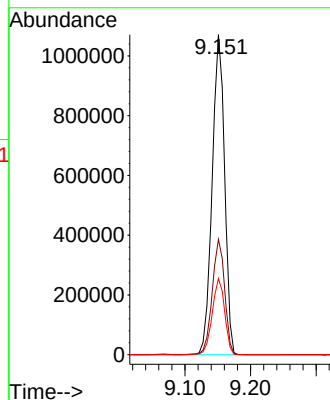
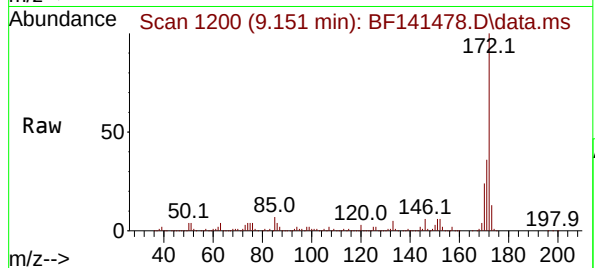
Tgt Ion:172 Resp: 1410277

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 59.479 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

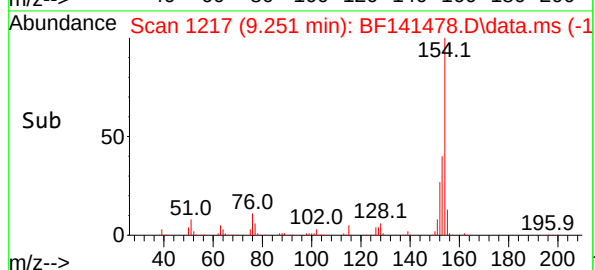
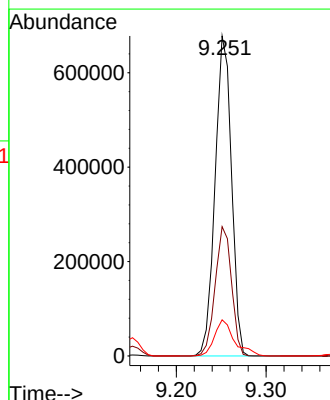
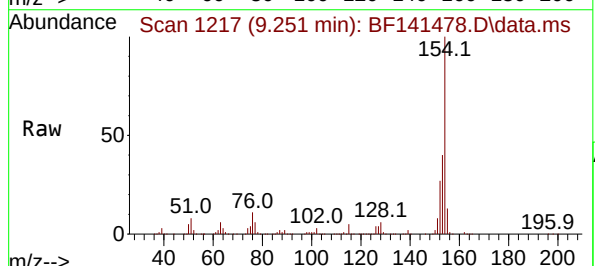
Tgt Ion:154 Resp: 861067

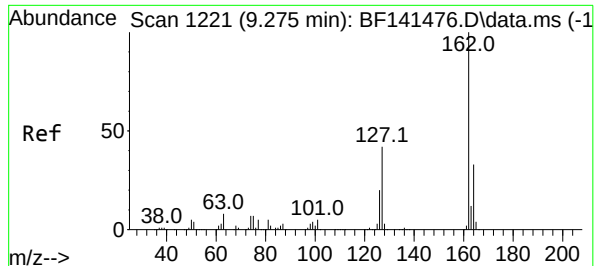
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.3 0.0 30.8





#47

2-Chloronaphthalene

Concen: 59.459 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

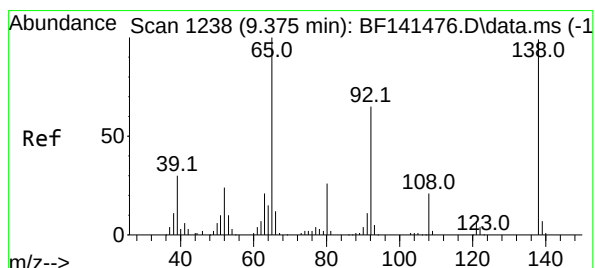
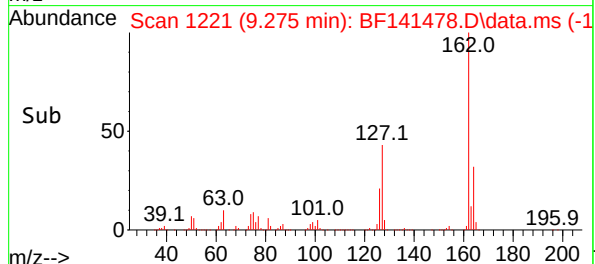
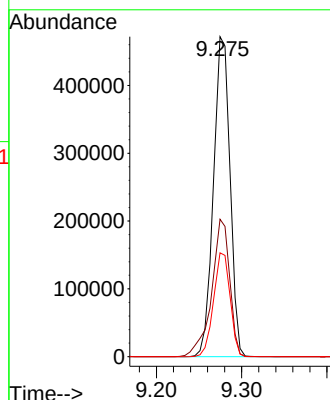
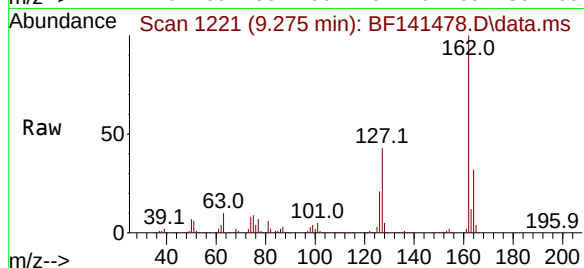
Tgt Ion:162 Resp: 636511

Ion Ratio Lower Upper

162 100

127 43.0 34.1 51.1

164 32.5 26.3 39.5



#48

2-Nitroaniline

Concen: 62.547 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

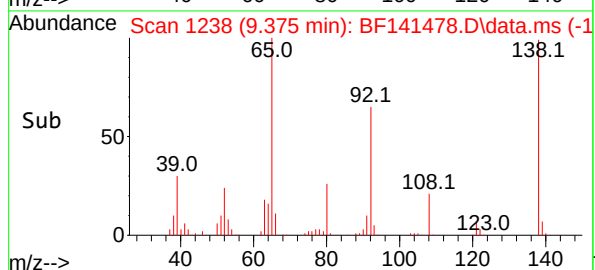
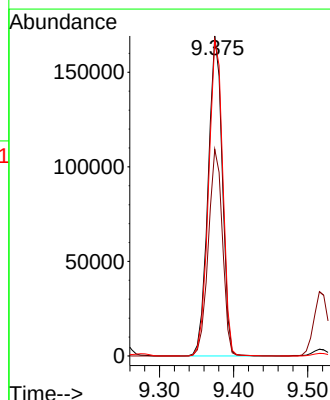
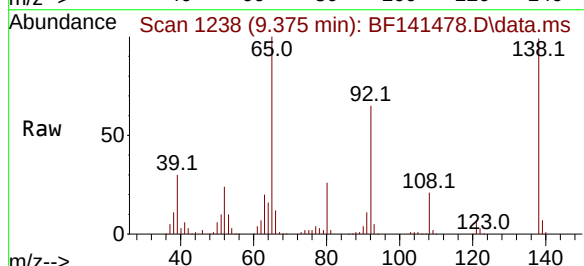
Tgt Ion: 65 Resp: 224709

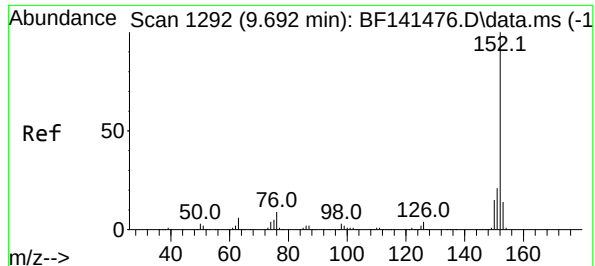
Ion Ratio Lower Upper

65 100

92 64.6 52.2 78.2

138 98.7 79.5 119.3





#49

Acenaphthylene

Concen: 59.436 ng

RT: 9.692 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

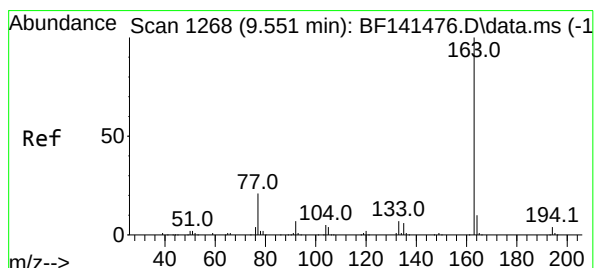
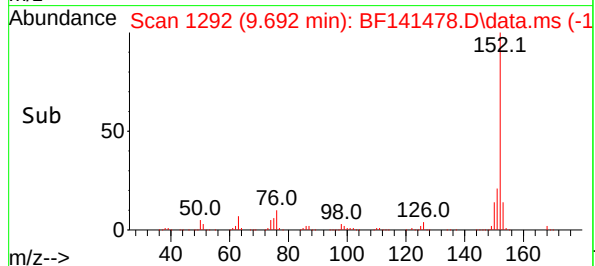
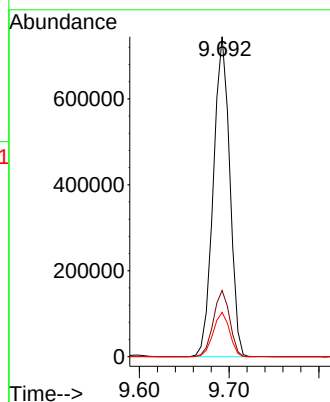
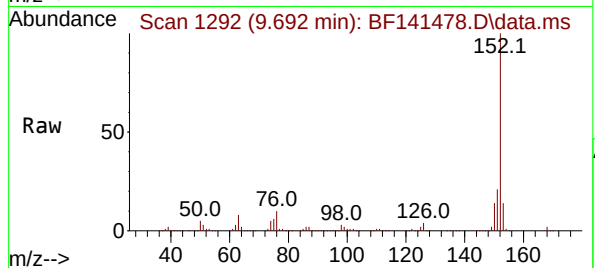
Tgt Ion:152 Resp: 946382

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

153 13.8 10.9 16.3



#50

Dimethylphthalate

Concen: 59.253 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

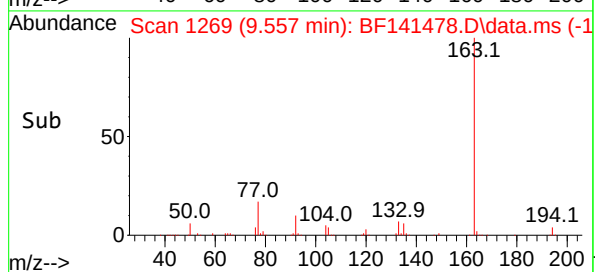
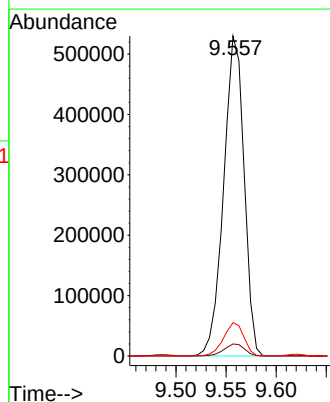
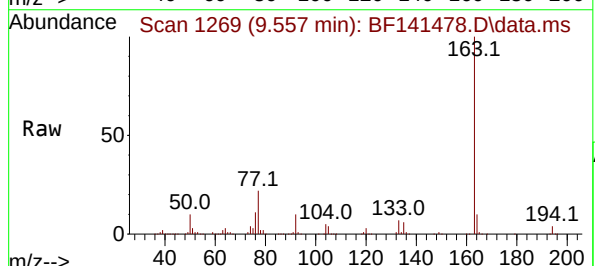
Tgt Ion:163 Resp: 751128

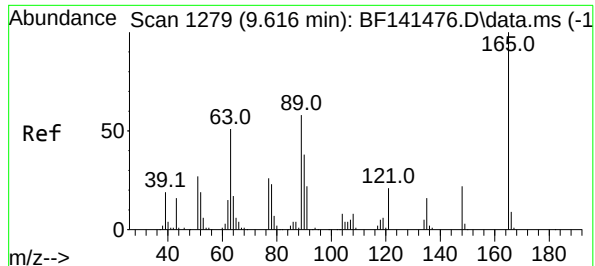
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.4 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 60.403 ng

RT: 9.622 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

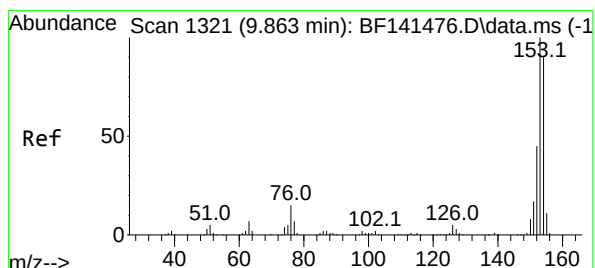
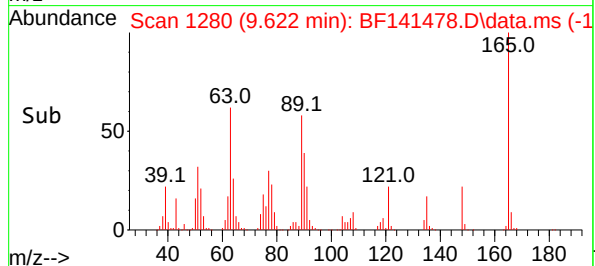
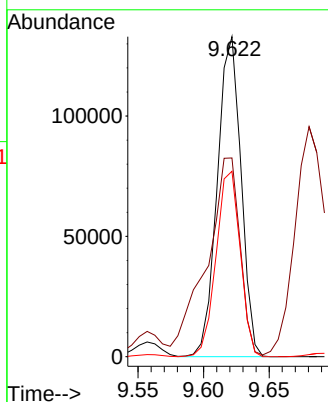
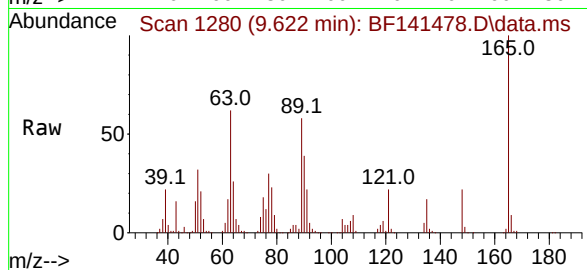
Tgt Ion:165 Resp: 167387

Ion Ratio Lower Upper

165 100

63 62.1 49.4 74.0

89 58.0 46.5 69.7



#52

Acenaphthene

Concen: 58.974 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

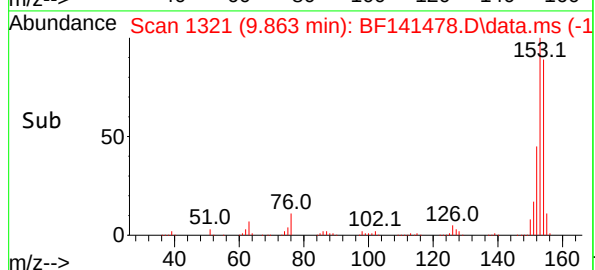
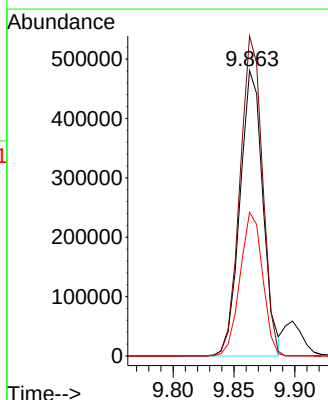
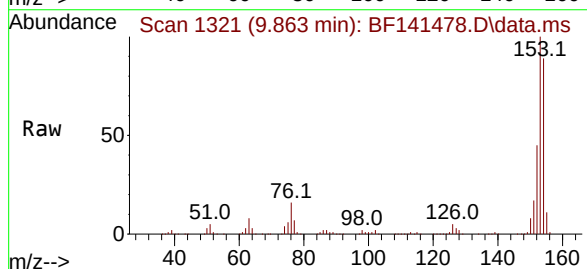
Tgt Ion:154 Resp: 631289

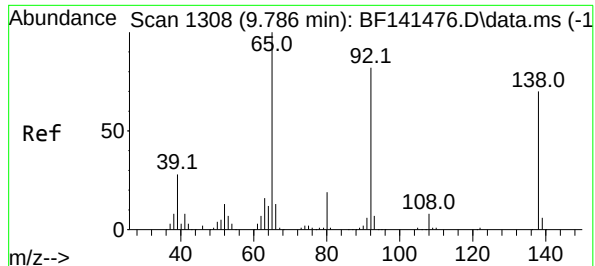
Ion Ratio Lower Upper

154 100

153 112.1 89.2 133.8

152 50.3 39.8 59.8

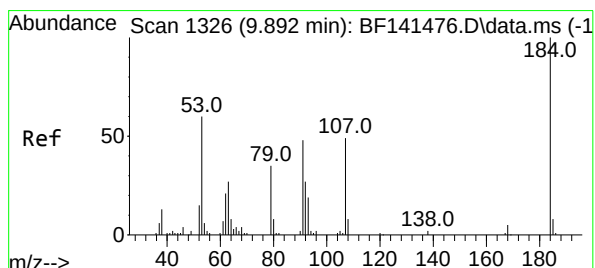
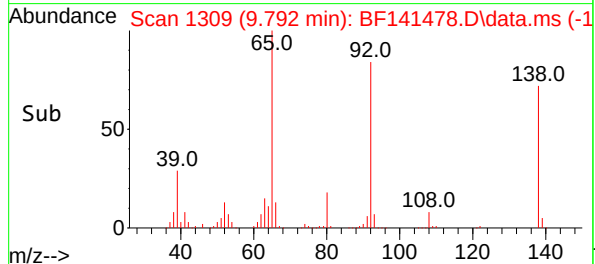
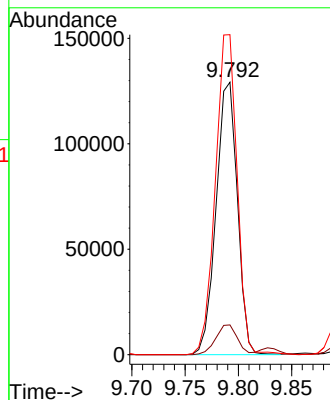
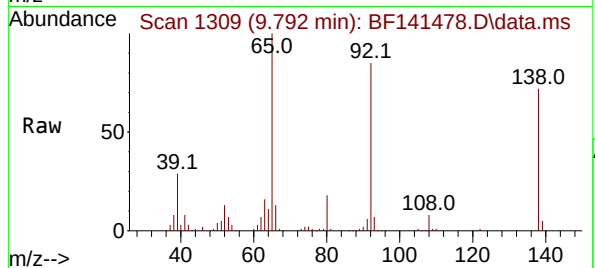




#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

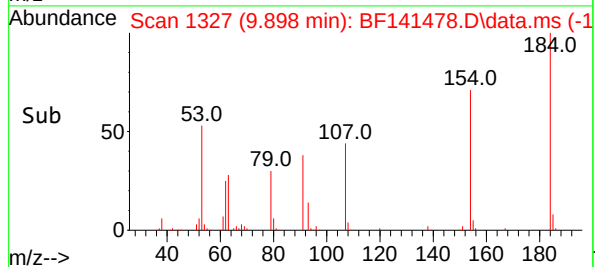
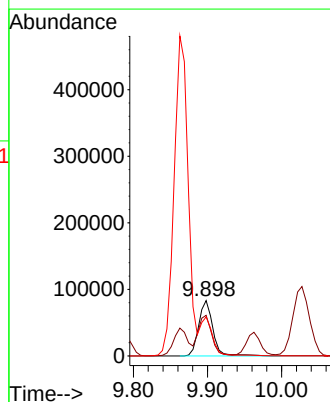
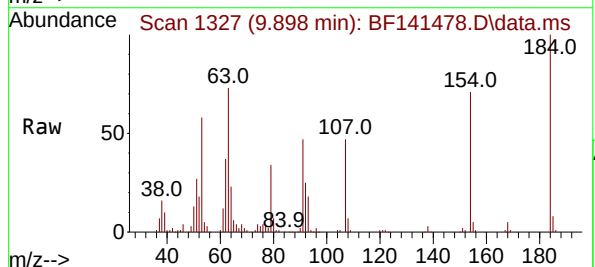
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

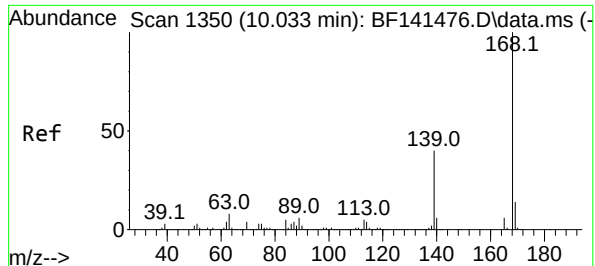
Tgt Ion:138 Resp: 179664
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.4
92 117.5 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:184 Resp: 111060
Ion Ratio Lower Upper
184 100
63 73.3 61.0 91.6
154 70.6 59.9 89.9





#55

Dibenzofuran

Concen: 58.242 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

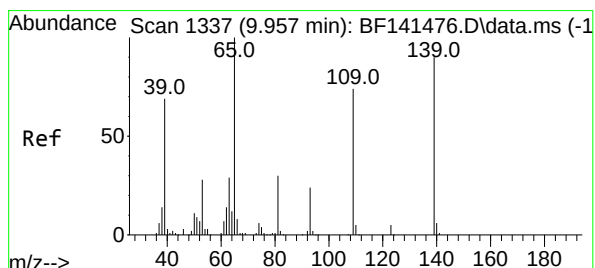
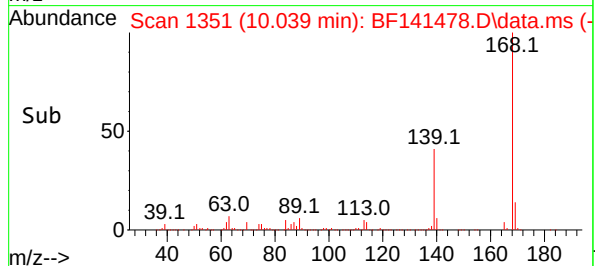
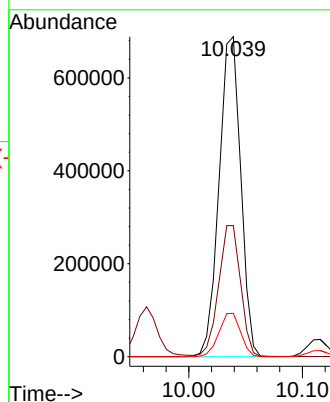
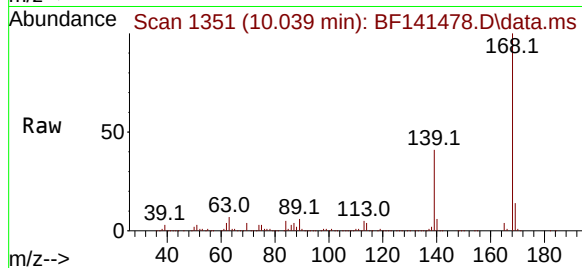
Tgt Ion:168 Resp: 915117

Ion Ratio Lower Upper

168 100

139 41.0 32.7 49.1

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 65.035 ng

RT: 9.963 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

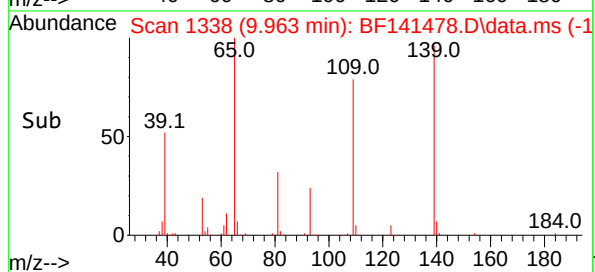
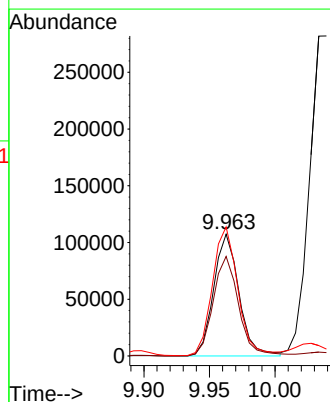
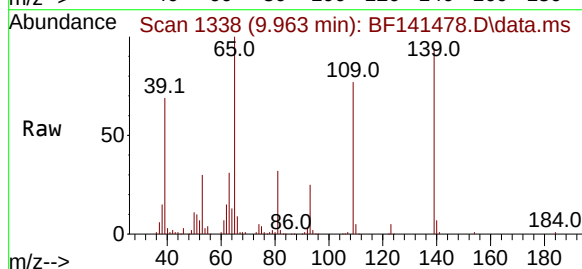
Tgt Ion:139 Resp: 143994

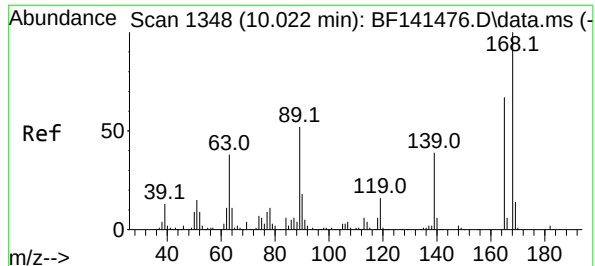
Ion Ratio Lower Upper

139 100

109 81.7 62.0 102.0

65 106.0 91.2 131.2





#57

2,4-Dinitrotoluene

Concen: 60.202 ng

RT: 10.022 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:165 Resp: 222091

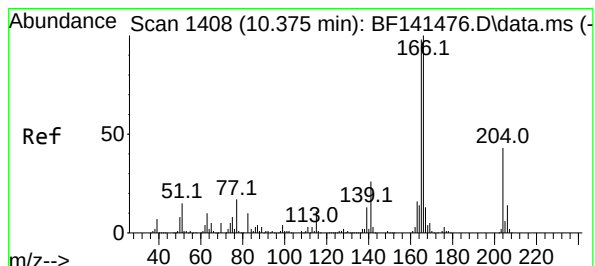
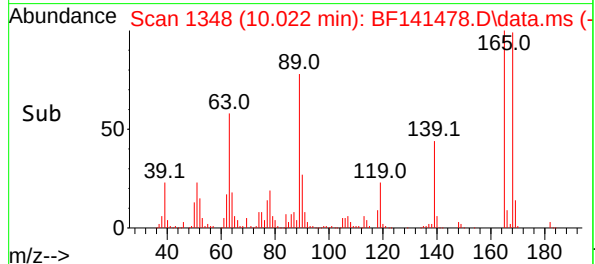
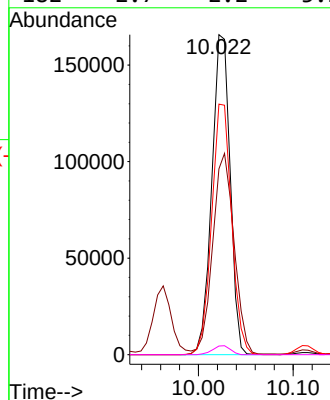
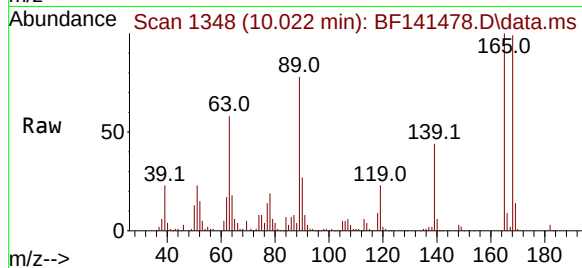
Ion Ratio Lower Upper

165 100

63 58.1 46.4 69.6

89 78.3 61.8 92.6

182 2.7 2.2 3.2



#58

Fluorene

Concen: 58.225 ng

RT: 10.380 min Scan# 1409

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

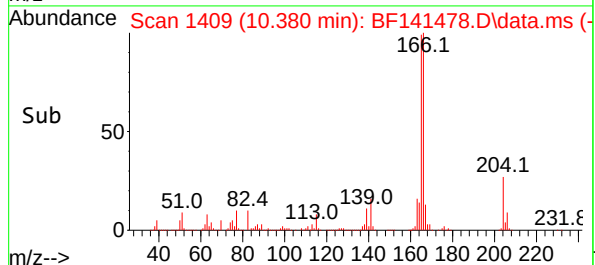
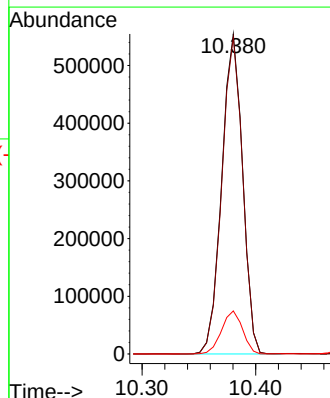
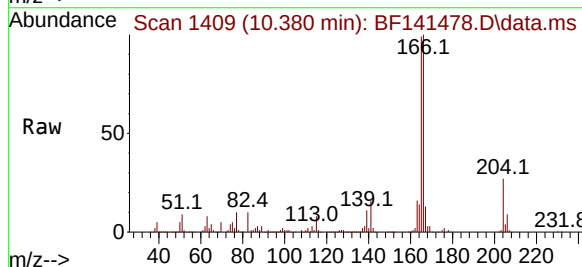
Tgt Ion:166 Resp: 707371

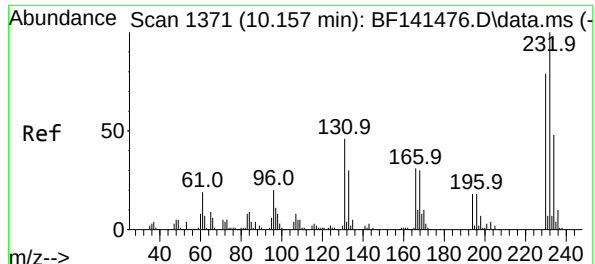
Ion Ratio Lower Upper

166 100

165 98.9 78.2 117.2

167 13.5 10.7 16.1

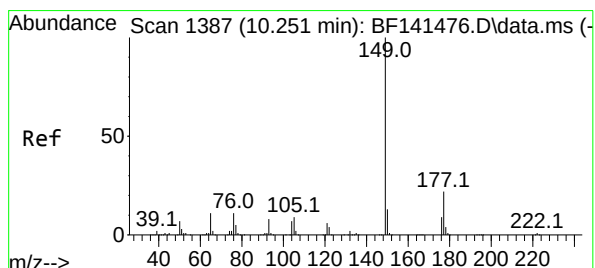
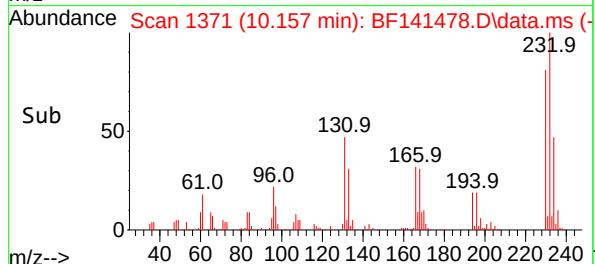
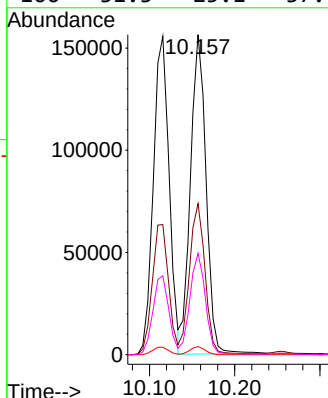
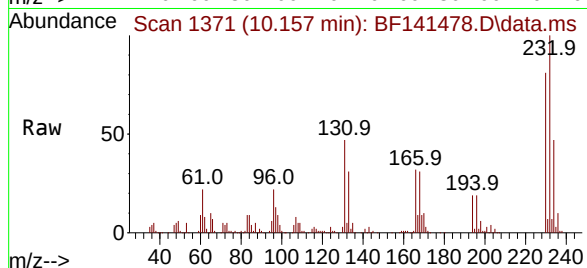




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

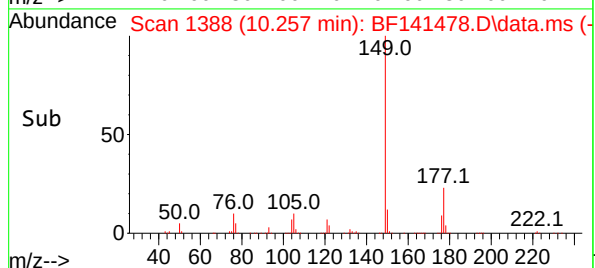
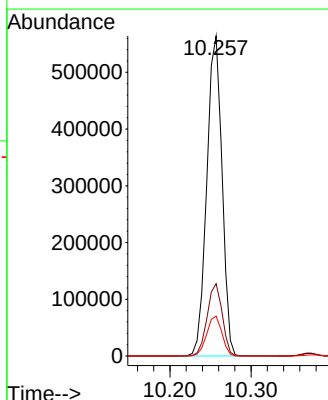
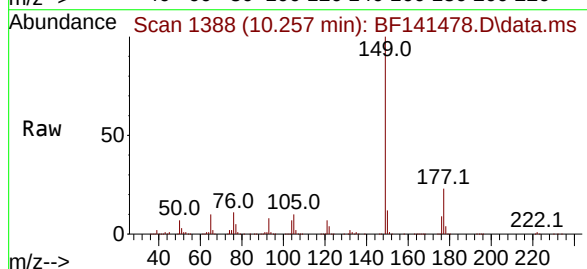
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

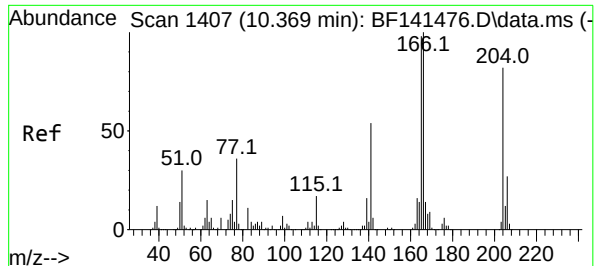
Tgt Ion:232 Resp: 198636
Ion Ratio Lower Upper
232 100
131 47.8 39.2 58.8
130 2.5 2.1 3.1
166 31.3 25.1 37.7



#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 732804
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 12.5 10.1 15.1

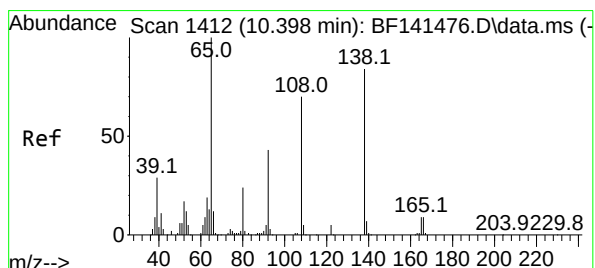
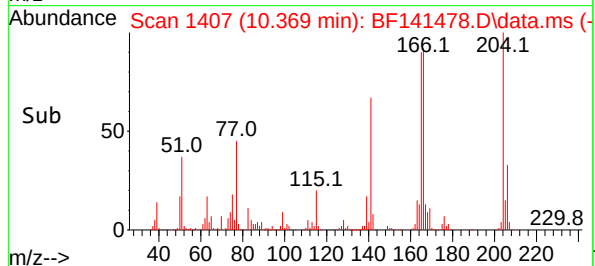
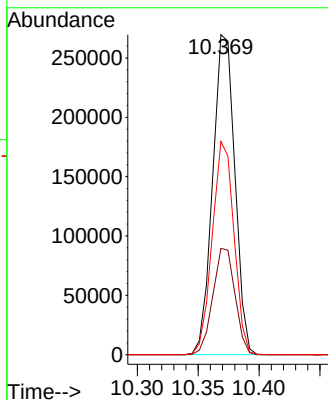
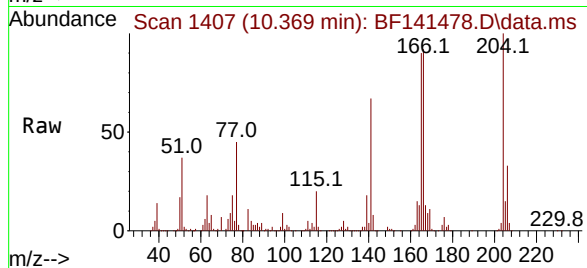




#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

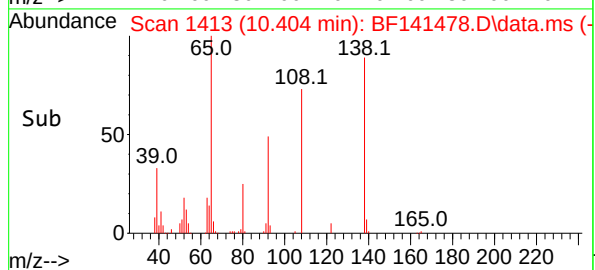
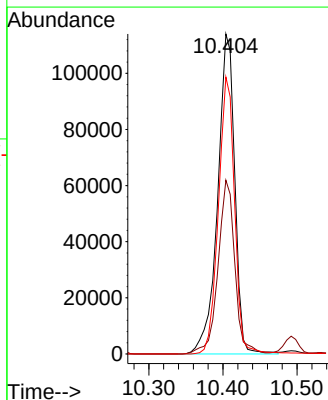
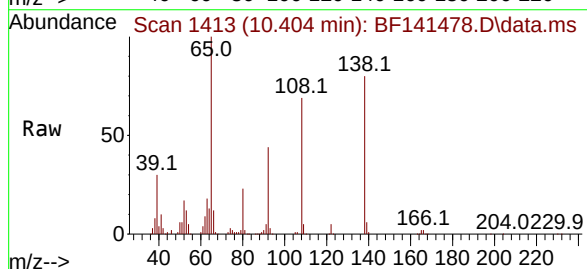
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

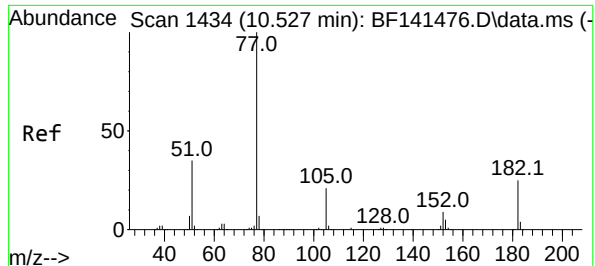
Tgt Ion:204 Resp: 342324
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 66.7 51.9 77.9



#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:138 Resp: 182946
Ion Ratio Lower Upper
138 100
92 54.3 31.3 71.3
108 86.6 63.7 103.7

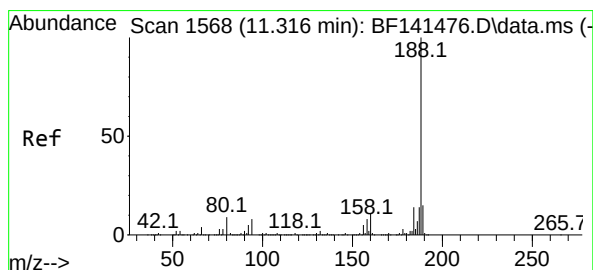
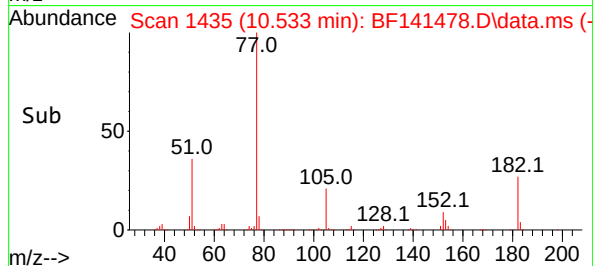
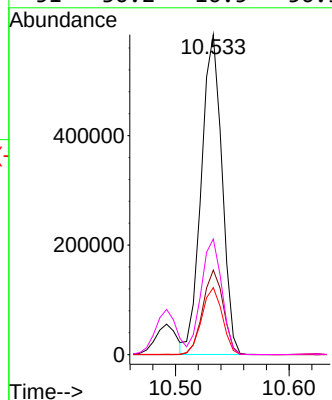
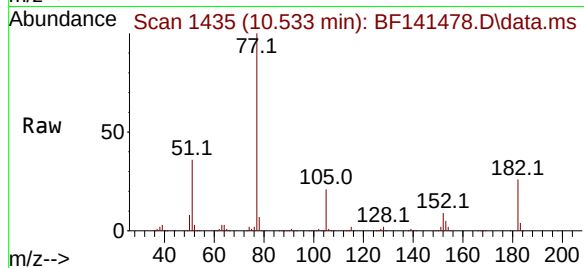




#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

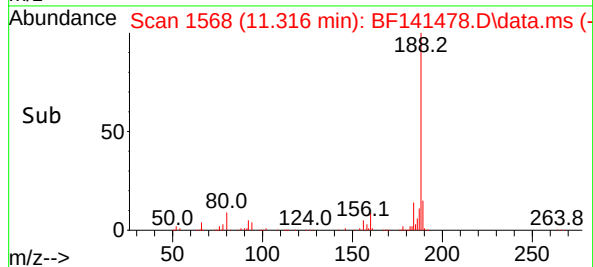
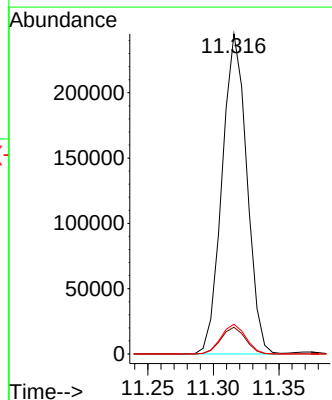
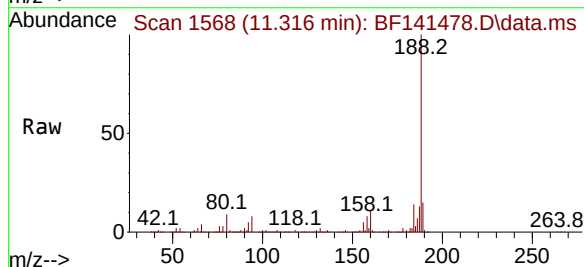
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

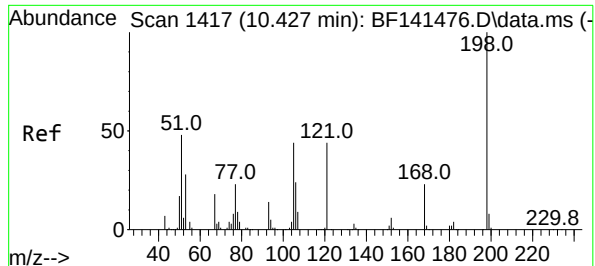
Tgt Ion: 77	Resp: 739338
Ion Ratio	Lower Upper
77 100	
182 26.5	4.7 44.7
105 21.0	0.4 40.4
51 36.2	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 188	Resp: 321893
Ion Ratio	Lower Upper
188 100	
94 8.4	6.6 10.0
80 9.3	7.3 10.9

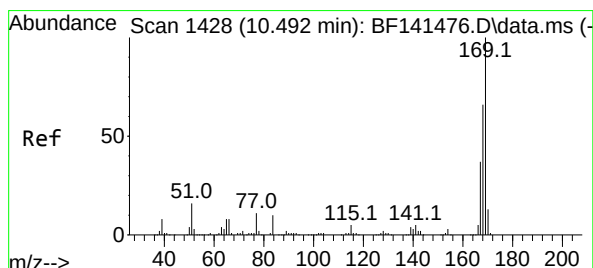
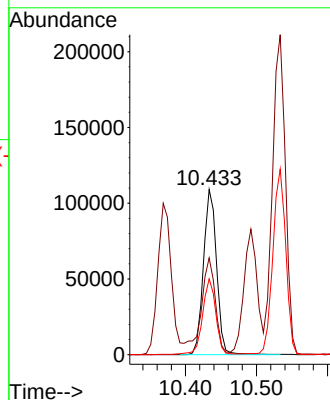
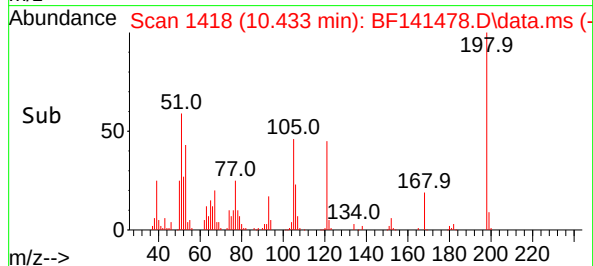
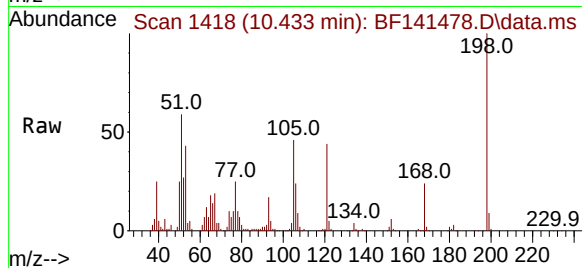




#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

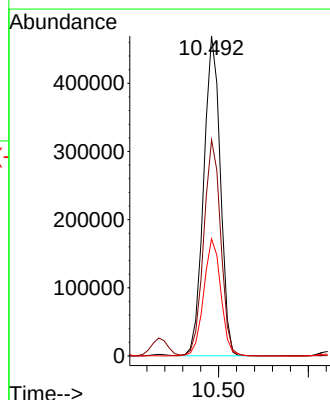
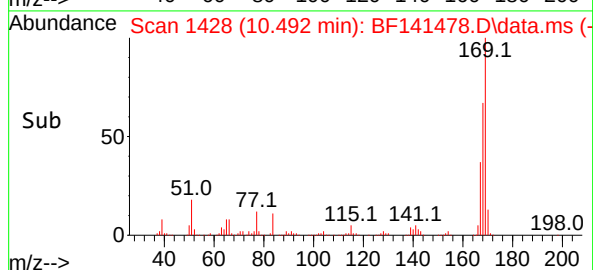
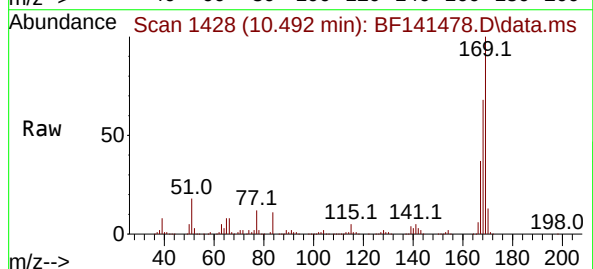
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

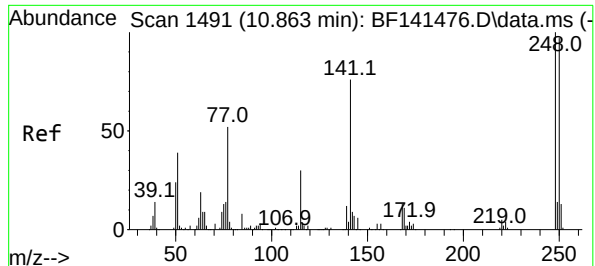
Tgt Ion:198 Resp: 140610
Ion Ratio Lower Upper
198 100
51 58.6 37.4 77.4
105 46.0 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:169 Resp: 603914
Ion Ratio Lower Upper
169 100
168 67.6 53.3 79.9
167 36.6 29.4 44.2

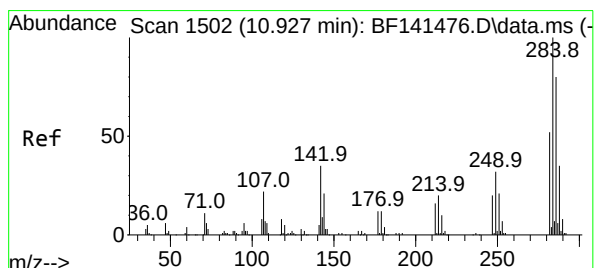
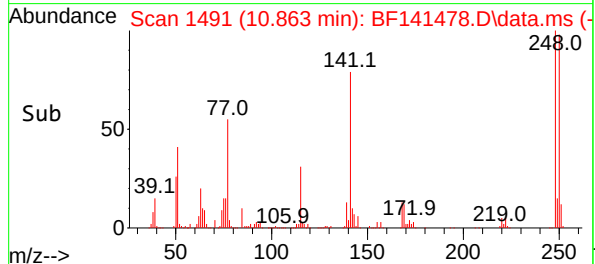
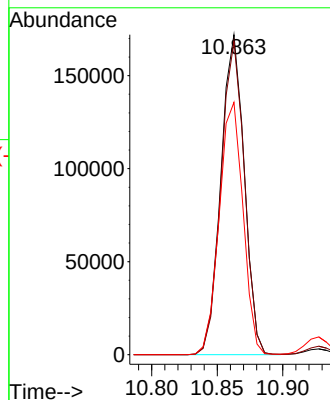
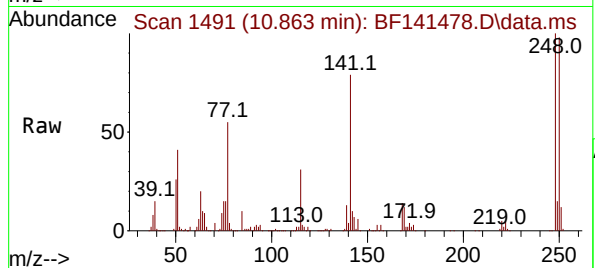




#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

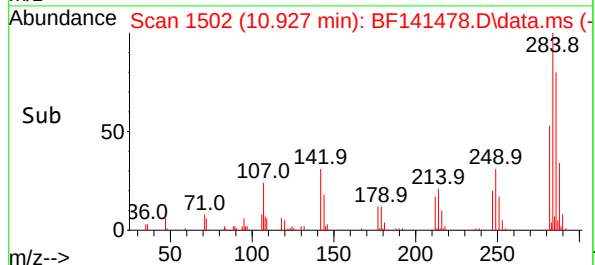
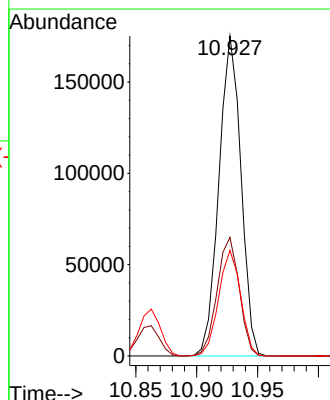
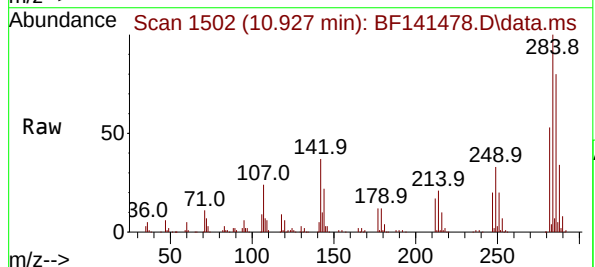
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

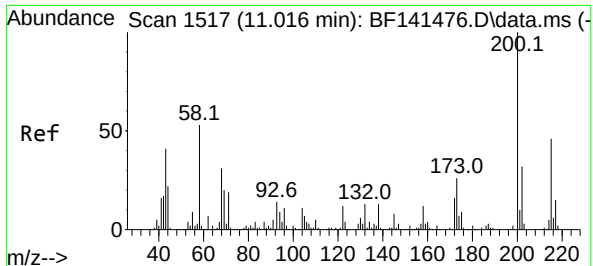
Tgt Ion:248 Resp: 213385
Ion Ratio Lower Upper
248 100
250 97.9 77.8 116.6
141 78.9 60.6 90.8



#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:284 Resp: 220611
Ion Ratio Lower Upper
284 100
142 37.0 28.0 42.0
249 33.0 25.8 38.8





#69

Atrazine

Concen: 56.878 ng

RT: 11.021 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

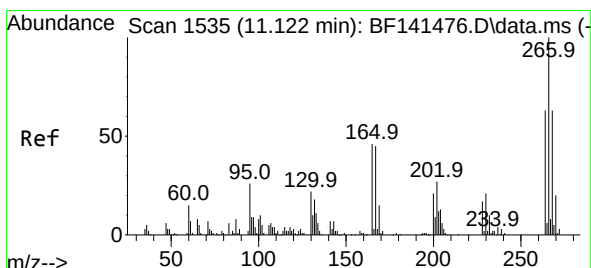
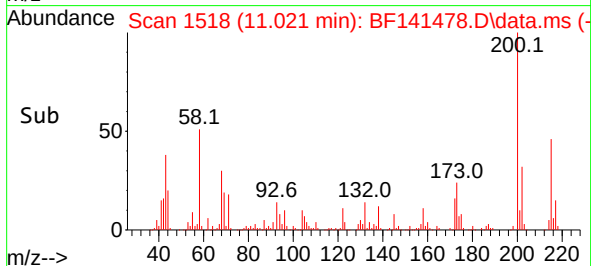
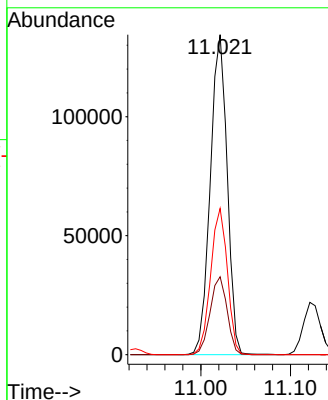
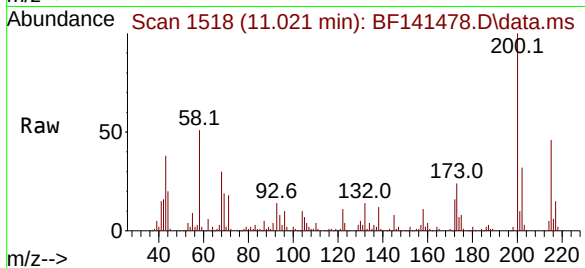
Tgt Ion:200 Resp: 175824

Ion Ratio Lower Upper

200 100

173 24.4 5.9 45.9

215 45.7 25.9 65.9



#70

Pentachlorophenol

Concen: 65.001 ng

RT: 11.121 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

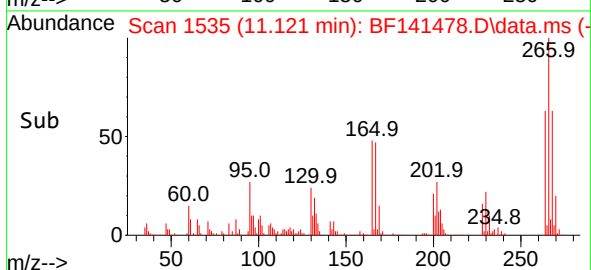
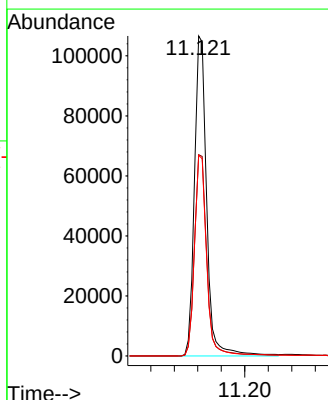
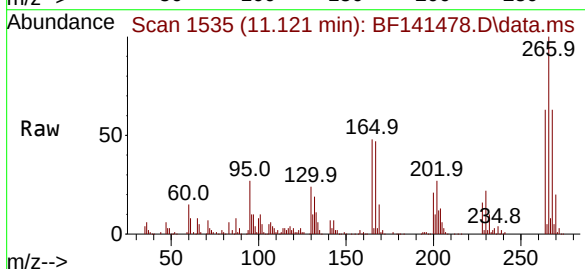
Tgt Ion:266 Resp: 153971

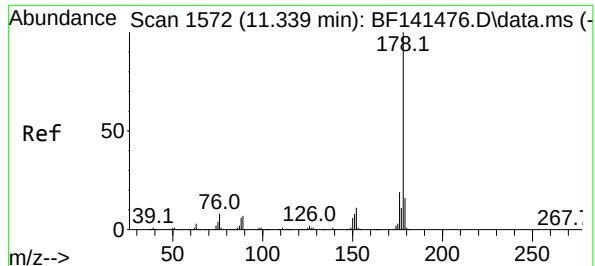
Ion Ratio Lower Upper

266 100

268 62.9 50.1 75.1

264 62.7 50.1 75.1





#71

Phenanthrene

Concen: 58.248 ng

RT: 11.345 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

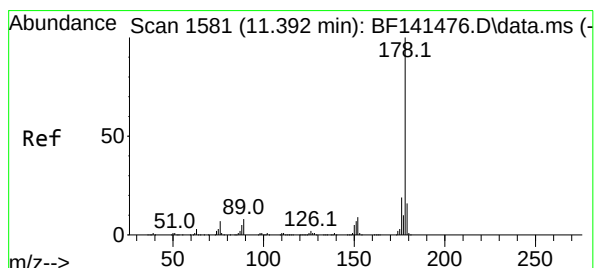
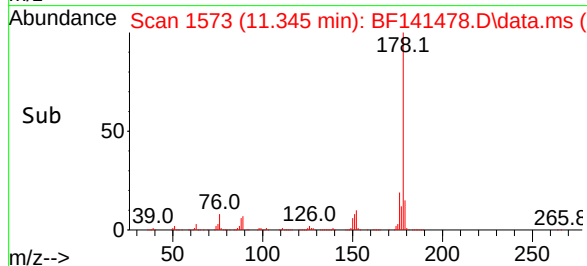
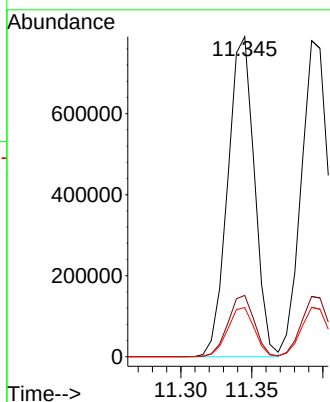
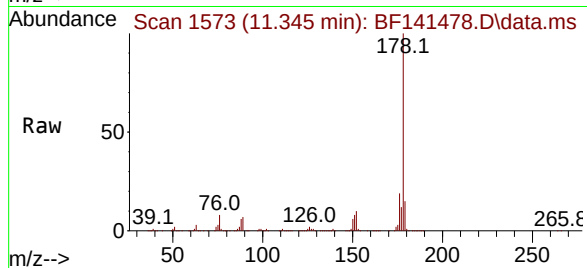
Tgt Ion:178 Resp: 1032075

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.4 12.4 18.6



#72

Anthracene

Concen: 58.062 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

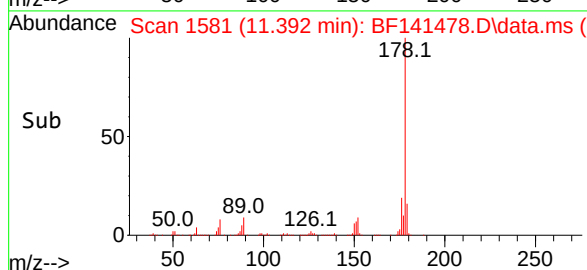
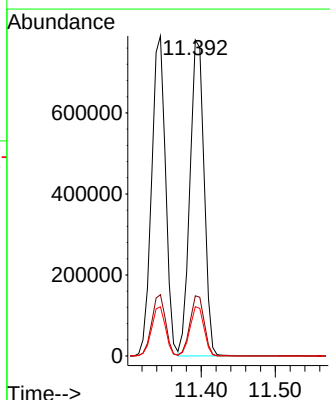
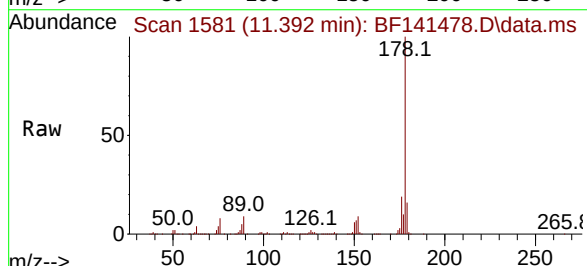
Tgt Ion:178 Resp: 1034181

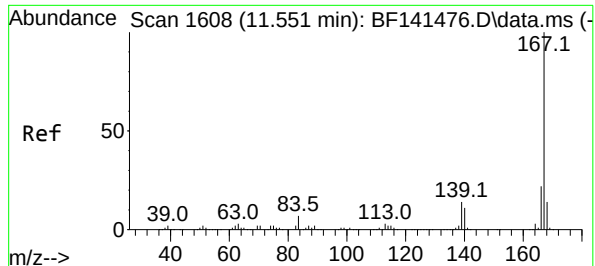
Ion Ratio Lower Upper

178 100

176 19.0 14.8 22.2

179 15.6 12.4 18.6

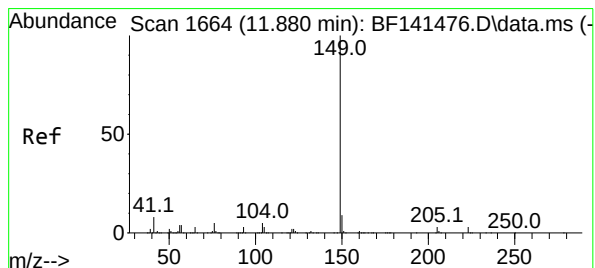
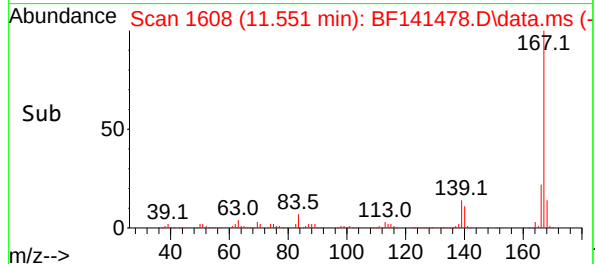
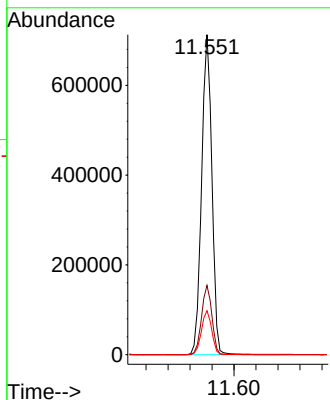
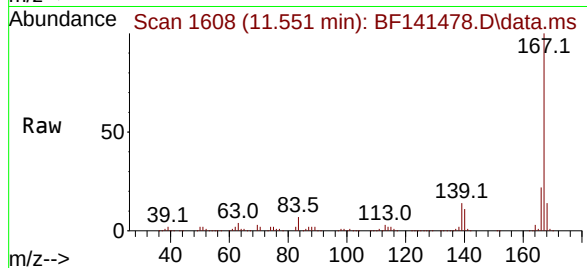




#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

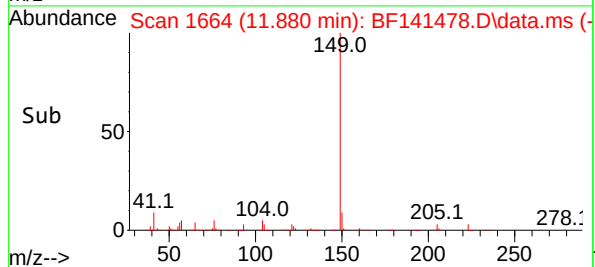
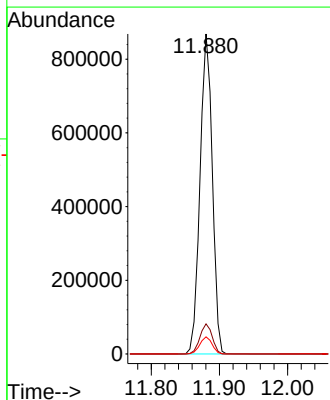
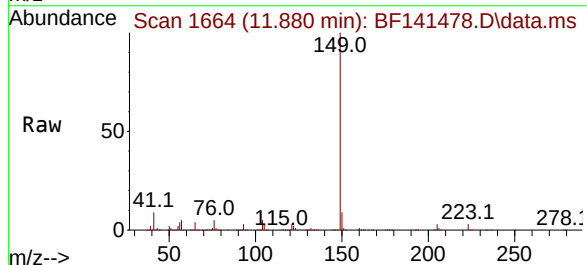
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

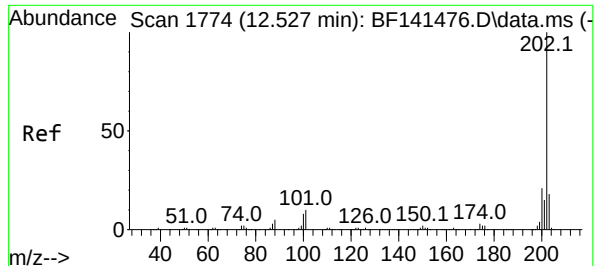
Tgt Ion:167 Resp: 927882
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.7 10.9 16.3



#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 1087815
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 5.4 4.2 6.2

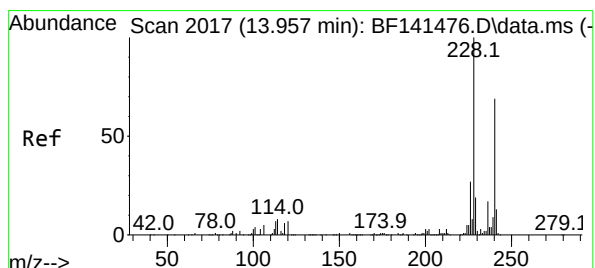
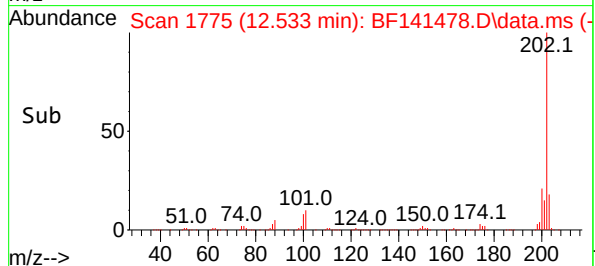
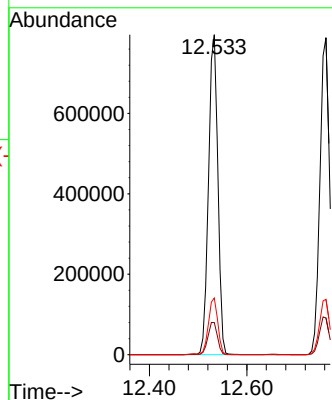
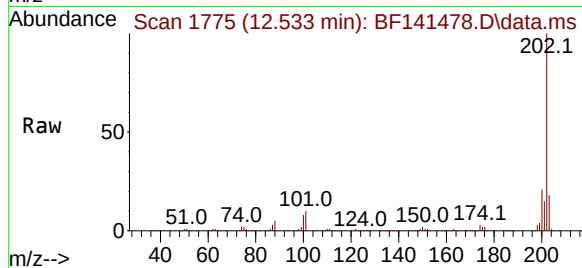




#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

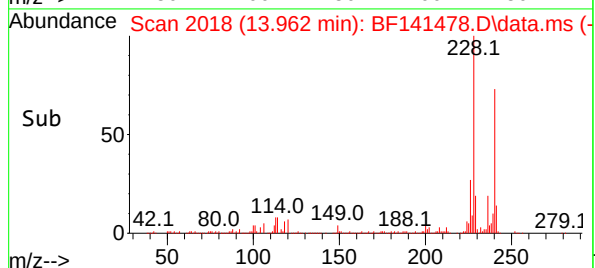
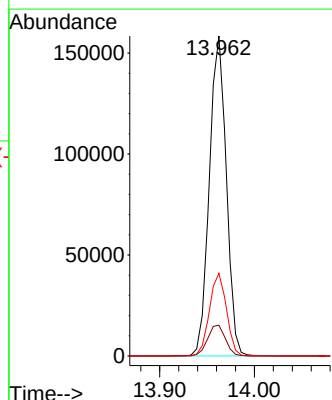
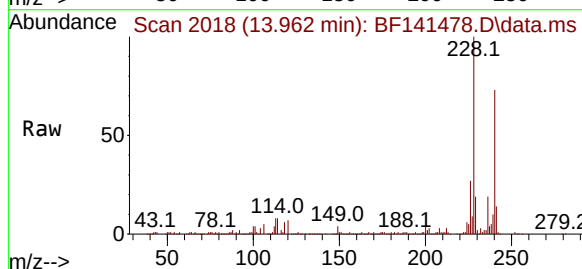
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

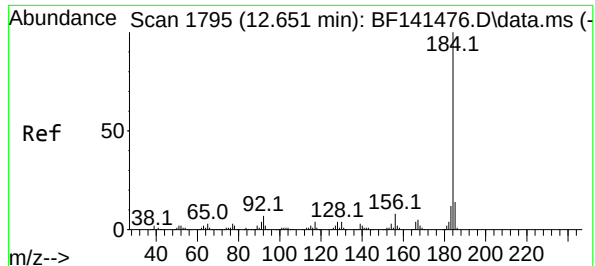
Tgt Ion:202 Resp: 1053887
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:240 Resp: 197108
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.9 19.8 29.8

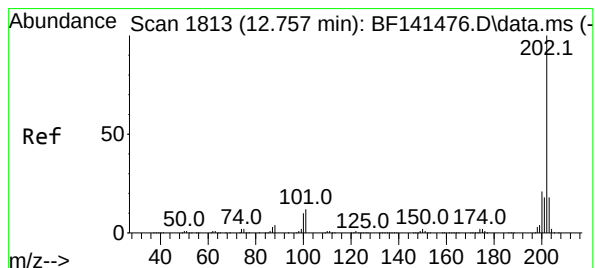
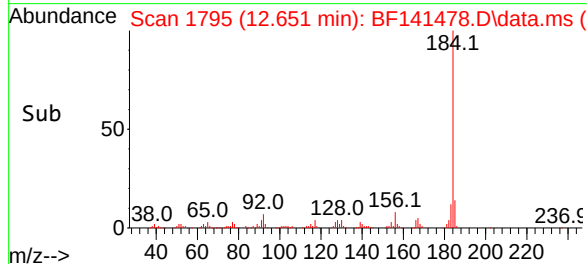
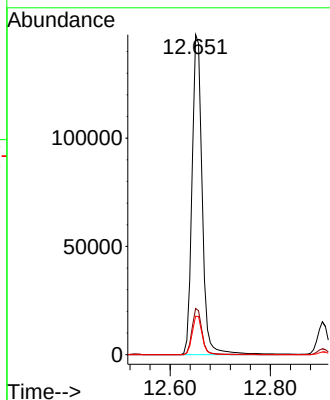
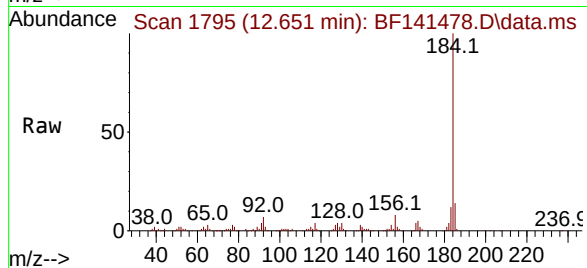




#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

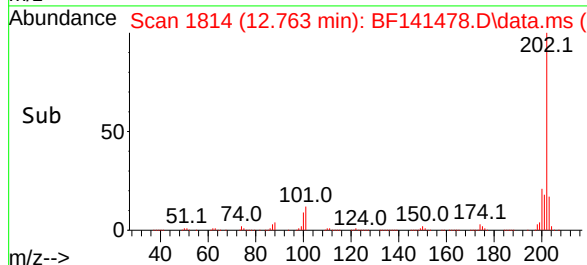
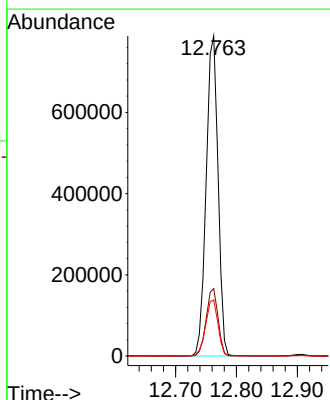
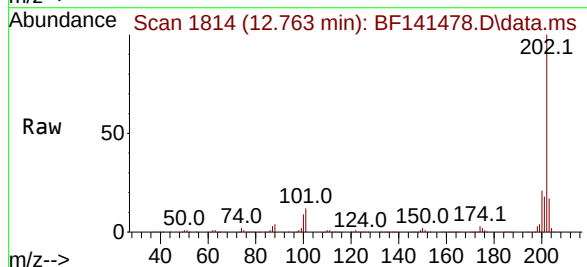
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

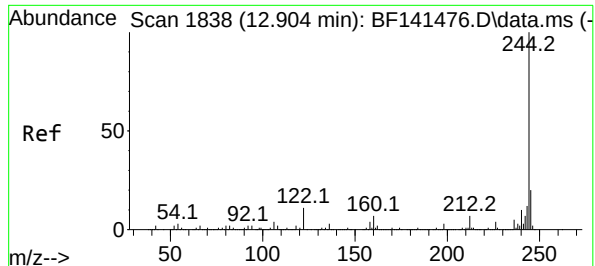
Tgt Ion:184 Resp: 207602
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 12.0 9.3 13.9



#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:202 Resp: 1068624
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 124.977 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141478.D

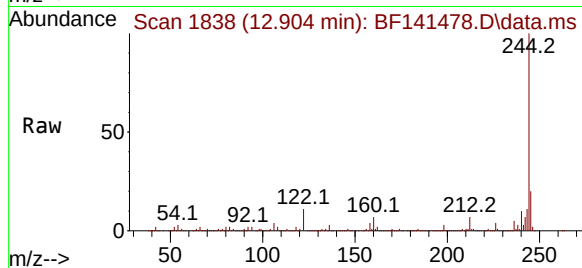
Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDIC060



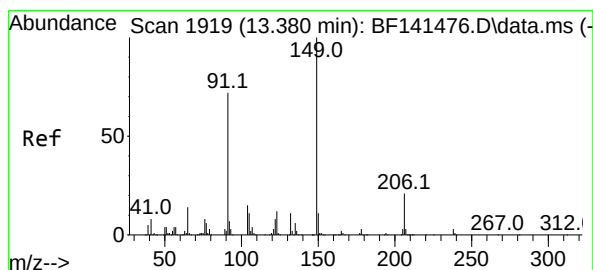
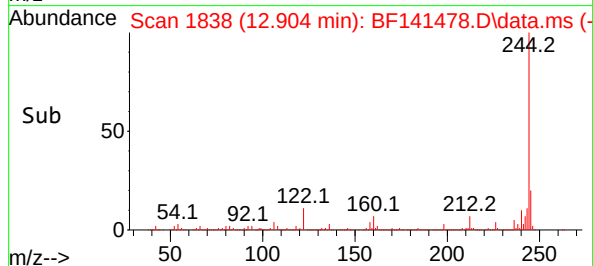
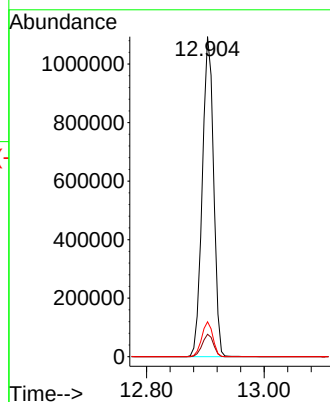
Tgt Ion:244 Resp: 1459213

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.9 8.4 12.6



#80

Butylbenzylphthalate

Concen: 63.357 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

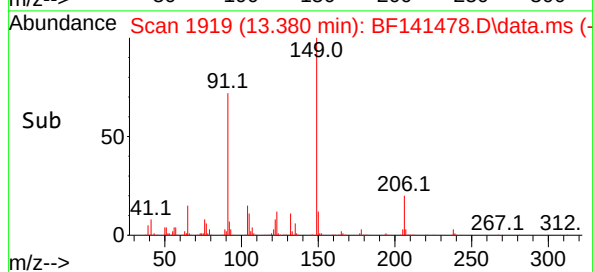
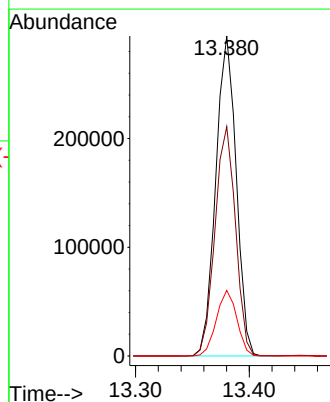
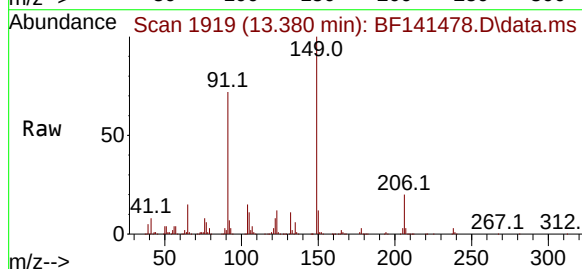
Tgt Ion:149 Resp: 368219

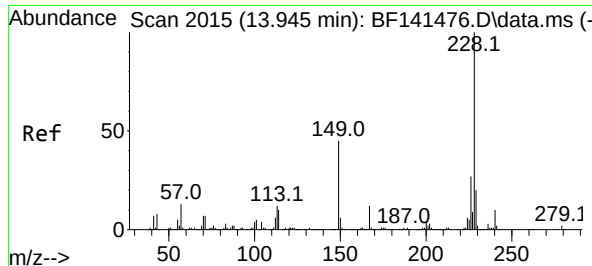
Ion Ratio Lower Upper

149 100

91 71.7 57.8 86.8

206 20.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 59.097 ng

RT: 13.951 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

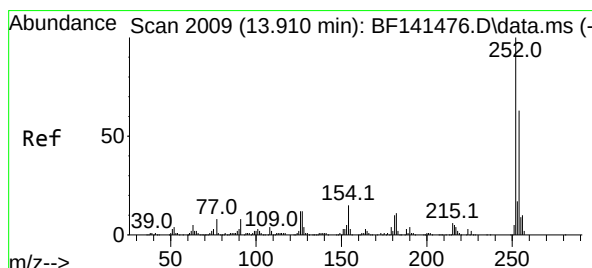
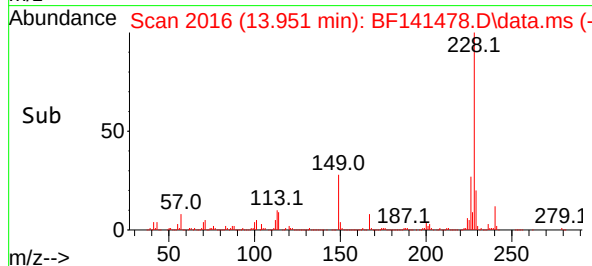
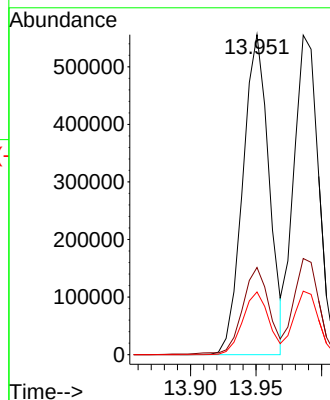
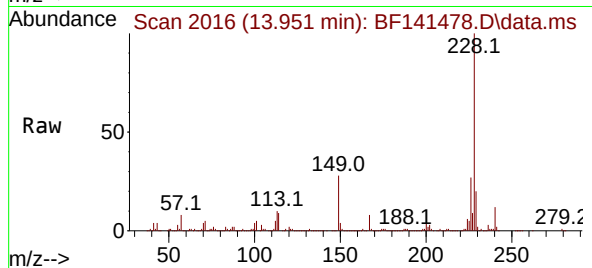
Tgt Ion:228 Resp: 774318

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 55.639 ng

RT: 13.915 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

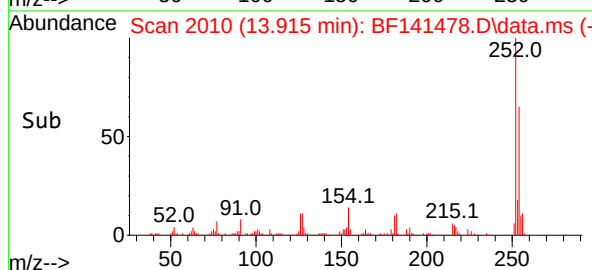
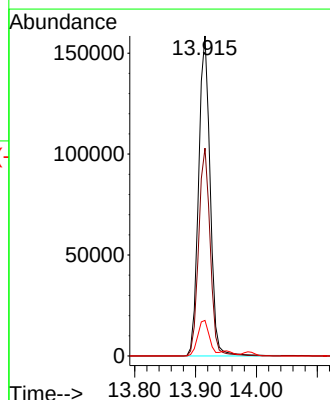
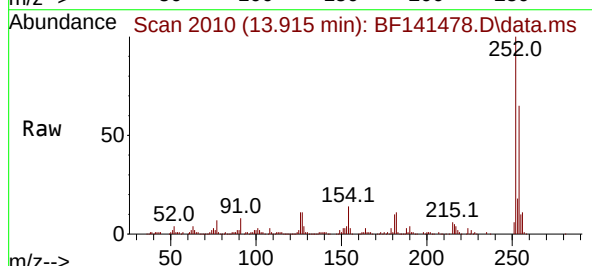
Tgt Ion:252 Resp: 208826

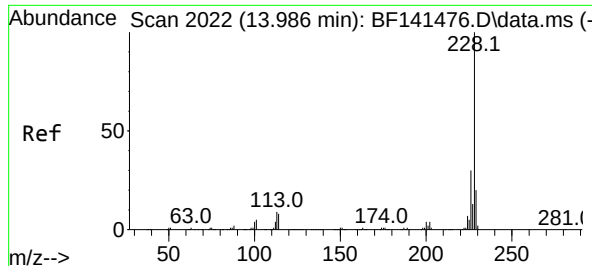
Ion Ratio Lower Upper

252 100

254 65.0 50.6 76.0

126 11.1 9.3 13.9

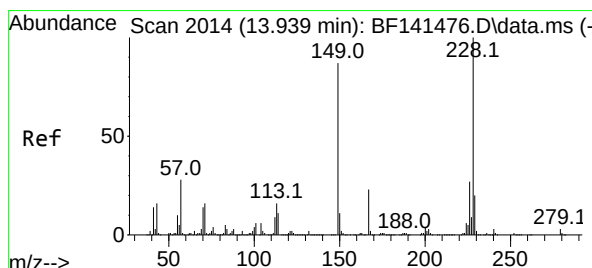
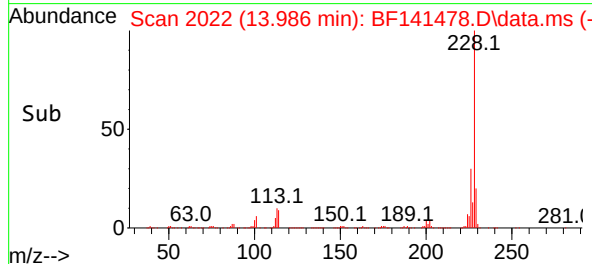
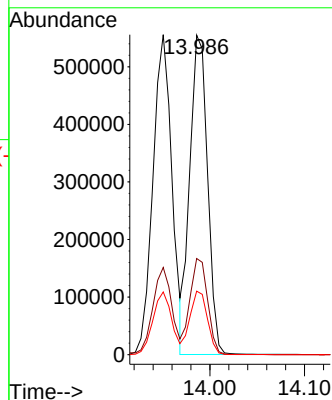
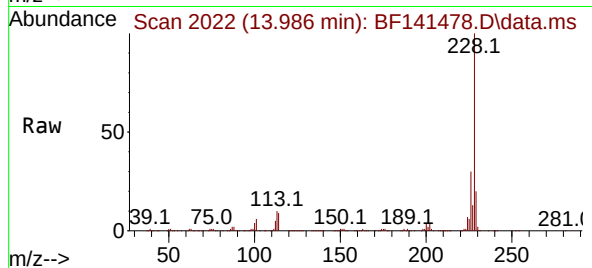




#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

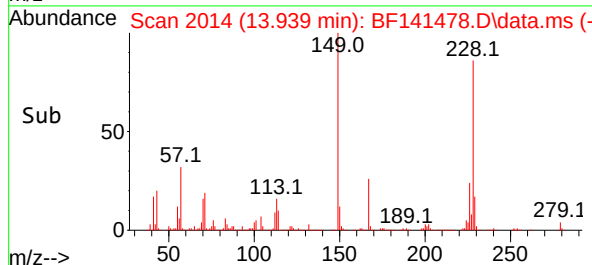
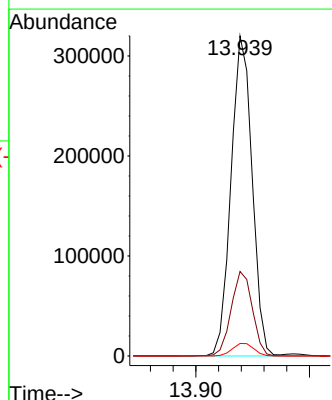
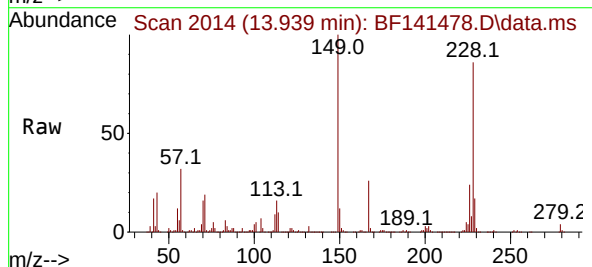
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

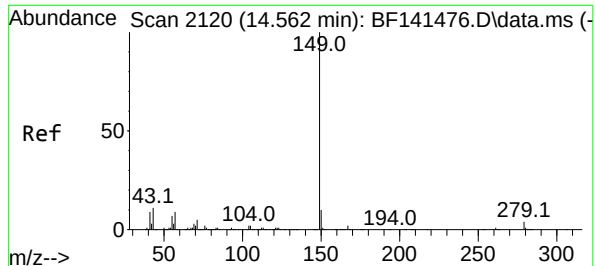
Tgt Ion:228 Resp: 723815
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 19.9 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 62.851 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 411979
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 3.9 3.1 4.7

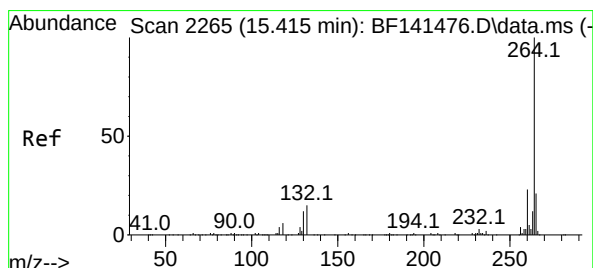
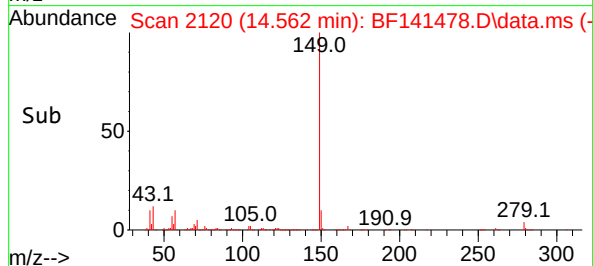
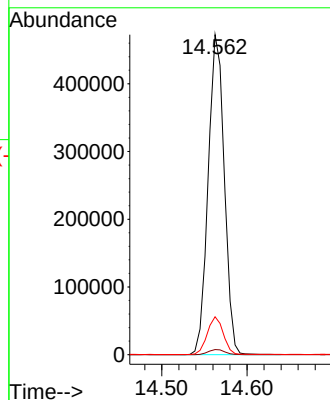
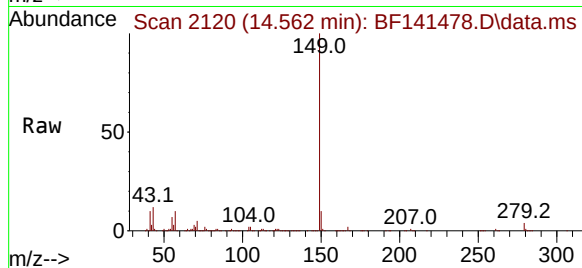




#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

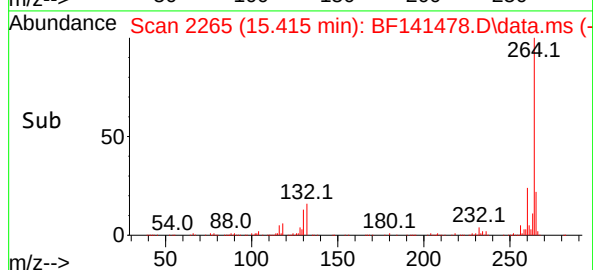
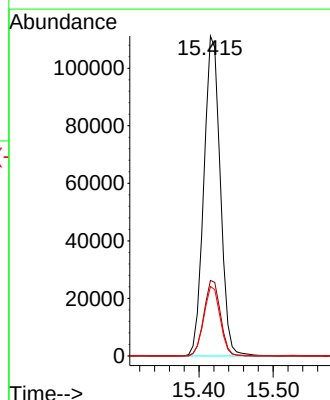
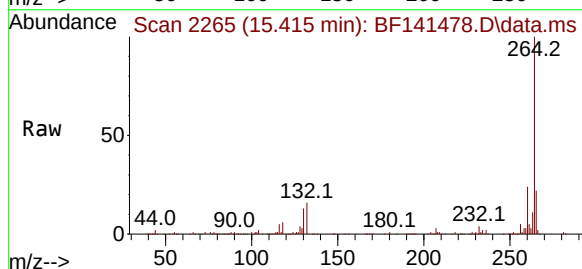
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

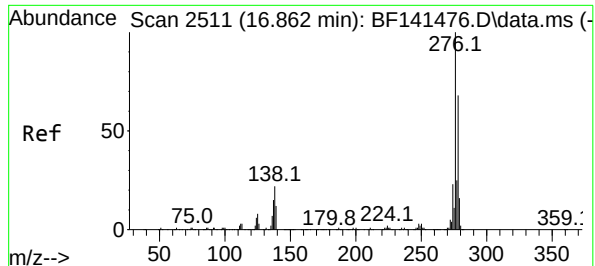
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.7	17.0	25.4

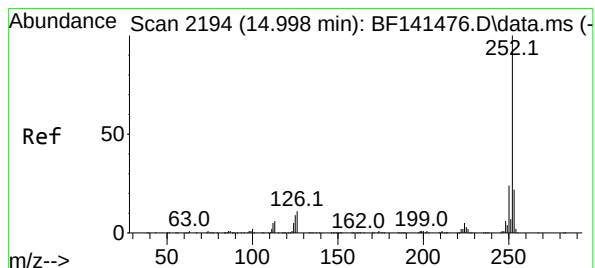
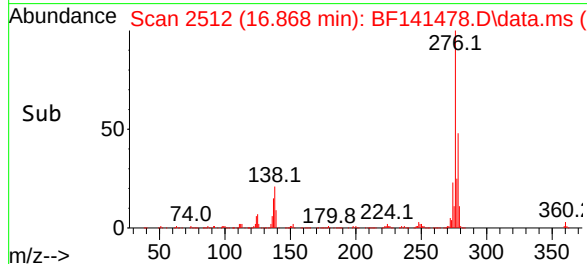
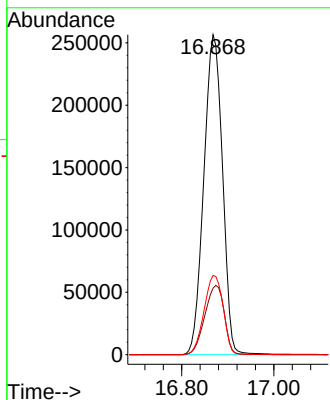
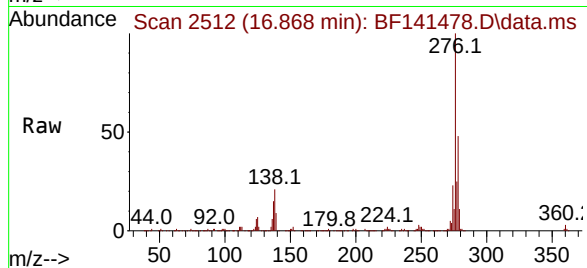




#87
Indeno(1,2,3-cd)pyrene
Concen: 68.464 ng
RT: 16.868 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

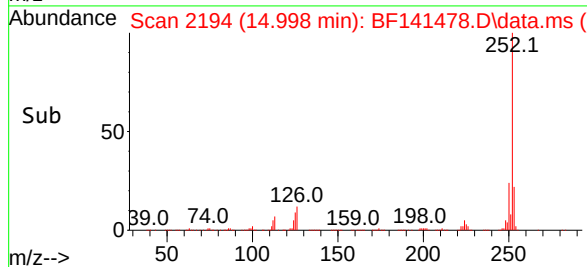
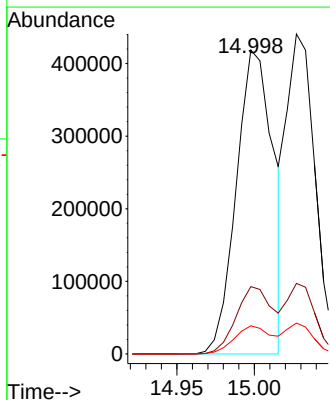
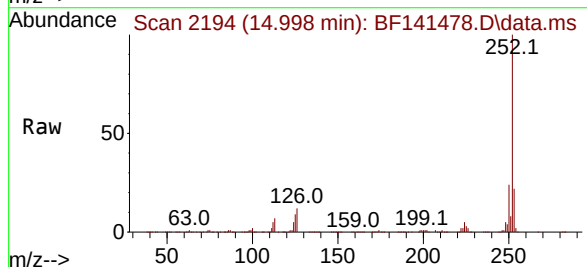
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

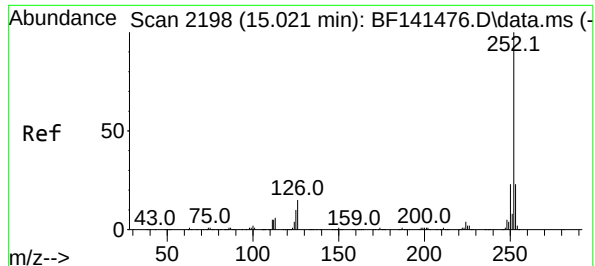
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.0	27.0
277	25.5	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 60.575 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.3	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 57.449 ng

RT: 15.027 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

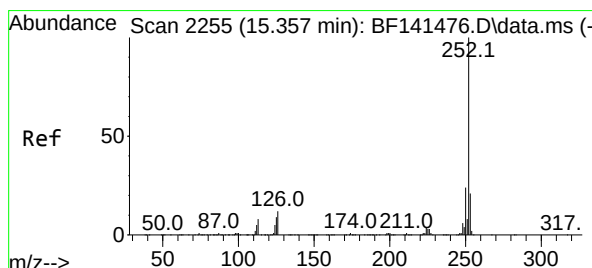
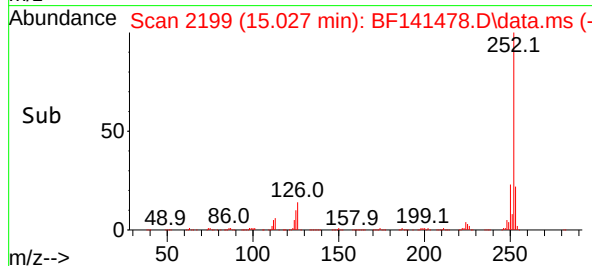
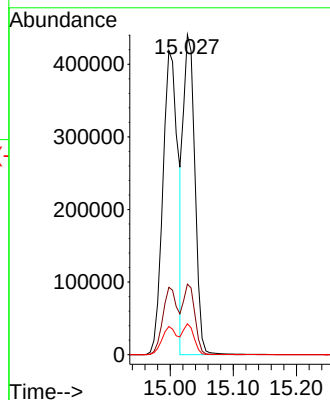
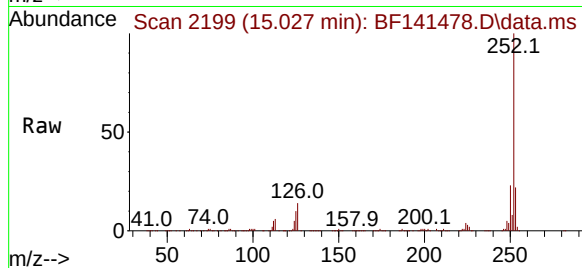
Tgt Ion:252 Resp: 563342

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 9.6 7.4 11.0



#90

Benzo(a)pyrene

Concen: 60.423 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

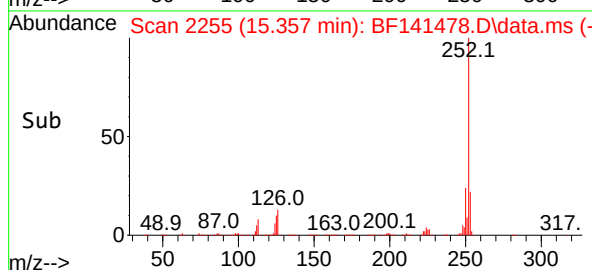
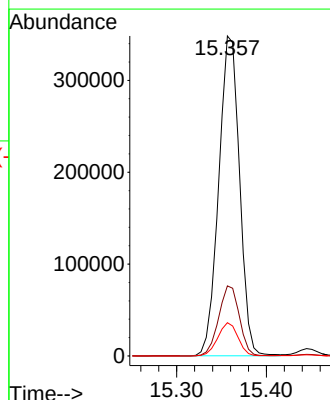
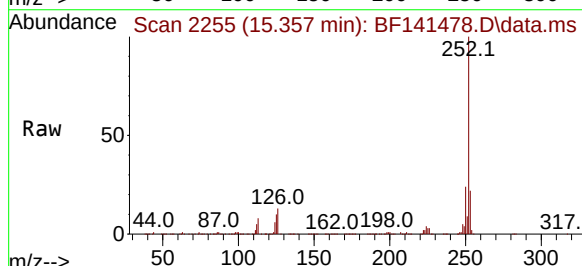
Tgt Ion:252 Resp: 561457

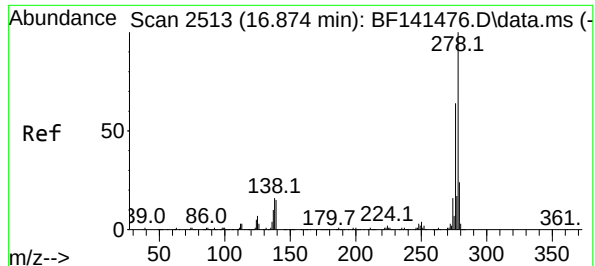
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 10.4 7.4 11.2

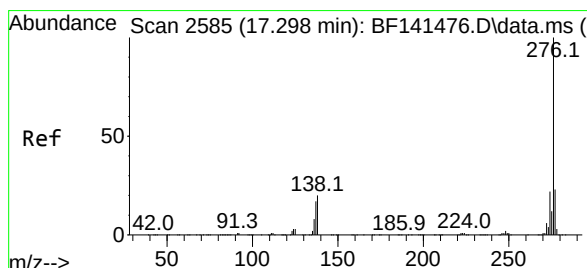
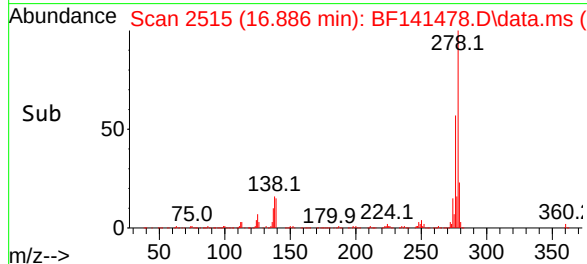
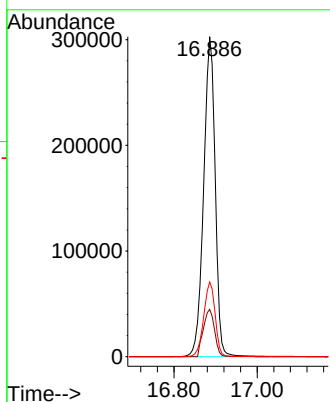
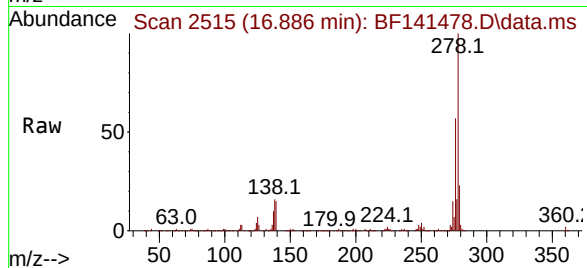




#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

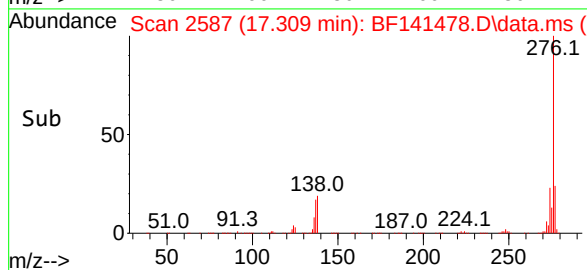
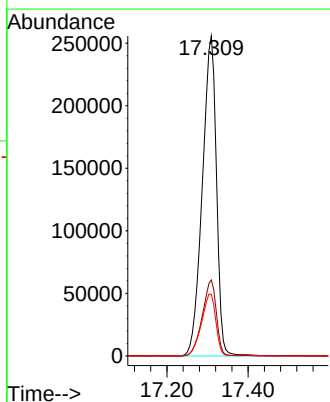
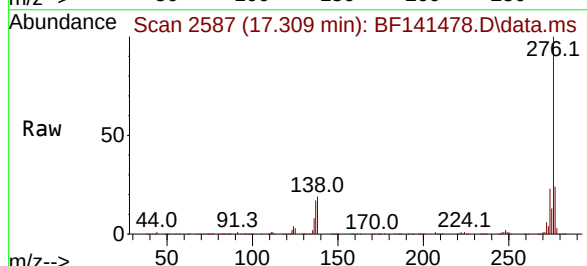
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 584115
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.6
279 23.4 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:276 Resp: 617241
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 19.3 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141479.D
 Acq On : 06 Feb 2025 14:14
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Feb 06 16:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	90415	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	341252	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	186230	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	312902	20.000	ng	0.00
76) Chrysene-d12	13.962	240	184347	20.000	ng	0.00
86) Perylene-d12	15.415	264	170605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	878184	152.272	ng	0.00
7) Phenol-d6	6.439	99	1112281	152.591	ng	0.00
23) Nitrobenzene-d5	7.363	82	1048314	160.228	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	291947	156.058	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1789795	148.066	ng	0.00
79) Terphenyl-d14	12.904	244	1781602	163.152	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	181328	78.119	ng	99
3) Pyridine	3.216	79	435462	78.838	ng	99
4) n-Nitrosodimethylamine	3.187	42	301403	82.409	ng	97
6) Aniline	6.463	93	498556	72.913	ng	94
8) 2-Chlorophenol	6.586	128	470975	75.577	ng	99
10) Phenol	6.457	94	567332	74.779	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	454141	79.695	ng	99
12) 1,3-Dichlorobenzene	6.734	146	494180	75.115	ng	99
13) 1,4-Dichlorobenzene	6.810	146	498585	74.175	ng	99
14) 1,2-Dichlorobenzene	6.963	146	464559	74.465	ng	99
15) Benzyl Alcohol	6.939	79	420673	75.258	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	708318	72.613	ng	77
17) 2-Methylphenol	7.057	107	370173	75.912	ng	97
18) Hexachloroethane	7.304	117	190062	76.402	ng	97
19) n-Nitroso-di-n-propyla...	7.216	70	328097	75.249	ng	98
20) 3+4-Methylphenols	7.216	107	450046	72.613	ng	# 88
22) Acetophenone	7.210	105	652334	76.846	ng	98
24) Nitrobenzene	7.381	77	513249	80.448	ng	98
25) Isophorone	7.622	82	838076	80.337	ng	99
26) 2-Nitrophenol	7.692	139	261386	82.350	ng	98
27) 2,4-Dimethylphenol	7.733	122	300036	80.915	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	529442	79.203	ng	99
29) 2,4-Dichlorophenol	7.939	162	399027	79.645	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	428656	78.568	ng	99
31) Naphthalene	8.098	128	1381453	77.769	ng	100
32) Benzoic acid	7.892	122	335418	87.086	ng	98
33) 4-Chloroaniline	8.157	127	504834	81.400	ng	98
34) Hexachlorobutadiene	8.210	225	257532	78.628	ng	100
35) Caprolactam	8.545	113	125619	82.350	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	441925	79.630	ng	98
37) 2-Methylnaphthalene	8.786	142	889774	76.975	ng	100
38) 1-Methylnaphthalene	8.886	142	861860	76.983	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	418579	77.689	ng	99
41) Hexachlorocyclopentadiene	8.939	237	159430	88.965	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	277156	79.591	ng	97
44) 2,4,5-Trichlorophenol	9.116	196	298856	79.189	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141479.D
 Acq On : 06 Feb 2025 14:14
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

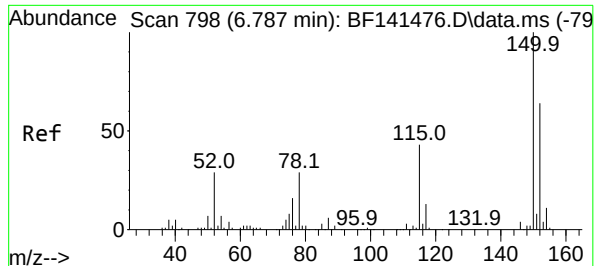
Quant Time: Feb 06 16:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	1100720	76.237	ng	99
47) 2-Chloronaphthalene	9.280	162	821334	76.929	ng	99
48) 2-Nitroaniline	9.380	65	286532	79.969	ng	97
49) Acenaphthylene	9.692	152	1211515	76.291	ng	99
50) Dimethylphthalate	9.563	163	1002121	79.265	ng	99
51) 2,6-Dinitrotoluene	9.622	165	215853	78.101	ng	94
52) Acenaphthene	9.869	154	819818	76.791	ng	99
53) 3-Nitroaniline	9.792	138	235511	79.173	ng	97
54) 2,4-Dinitrophenol	9.904	184	147768	89.960	ng	95
55) Dibenzofuran	10.039	168	1174157	74.928	ng	100
56) 4-Nitrophenol	9.969	139	187131	84.744	ng	97
57) 2,4-Dinitrotoluene	10.027	165	284954	77.449	ng	95
58) Fluorene	10.380	166	909704	75.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	253454	78.006	ng	98
60) Diethylphthalate	10.257	149	945293	75.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.374	204	435522	74.716	ng	99
62) 4-Nitroaniline	10.416	138	241257	79.873	ng	99
63) Azobenzene	10.533	77	963689	77.931	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	185427	85.309	ng	99
66) n-Nitrosodiphenylamine	10.498	169	785313	78.404	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	276228	78.988	ng	96
68) Hexachlorobenzene	10.927	284	285111	79.174	ng	97
69) Atrazine	11.021	200	219923	73.188	ng	100
70) Pentachlorophenol	11.127	266	200556	87.100	ng	99
71) Phenanthrene	11.345	178	1312474	76.201	ng	100
72) Anthracene	11.398	178	1322462	76.380	ng	99
73) Carbazole	11.551	167	1168253	74.989	ng	99
74) Di-n-butylphthalate	11.880	149	1382706	76.865	ng	99
75) Fluoranthene	12.533	202	1333237	73.011	ng	100
77) Benzidine	12.657	184	354555	87.207	ng	99
78) Pyrene	12.763	202	1319554	84.086	ng	100
80) Butylbenzylphthalate	13.380	149	459803	84.592	ng	100
81) Benzo(a)anthracene	13.951	228	943291	76.977	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	263773	75.143	ng	100
83) Chrysene	13.992	228	906415	80.108	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	517884	84.477	ng	99
85) Di-n-octyl phthalate	14.562	149	803601	91.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	961023	91.166	ng	100
88) Benzo(b)fluoranthene	15.004	252	865205	75.529	ng	100
89) Benzo(k)fluoranthene	15.033	252	776323	79.364	ng	99
90) Benzo(a)pyrene	15.362	252	742932	80.150	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	773684	90.578	ng	99
92) Benzo(g,h,i)perylene	17.315	276	831418	93.015	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

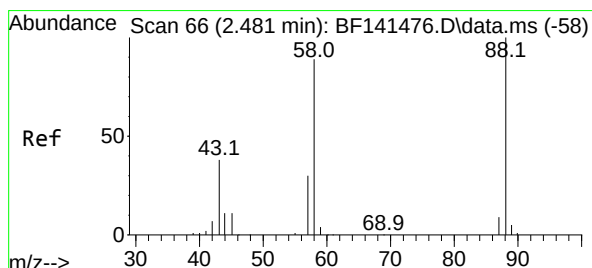
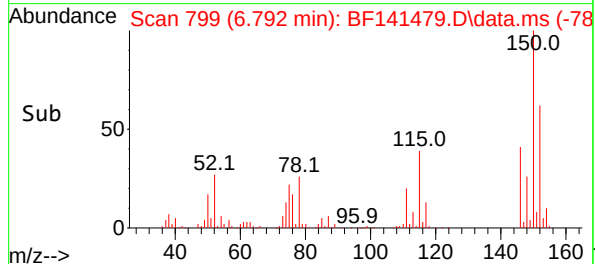
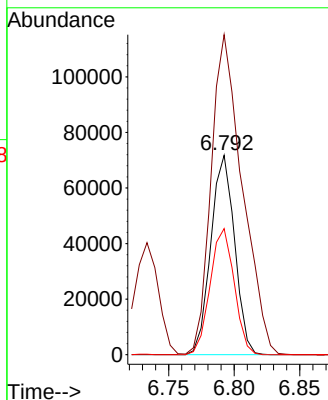
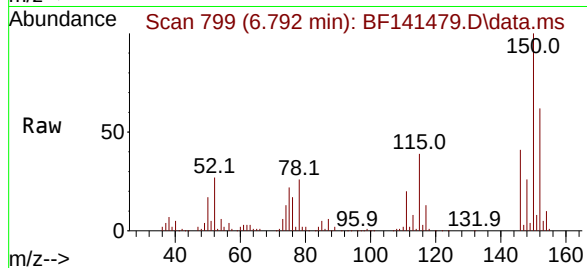
- 1
- 2
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- 8
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- 10
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- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

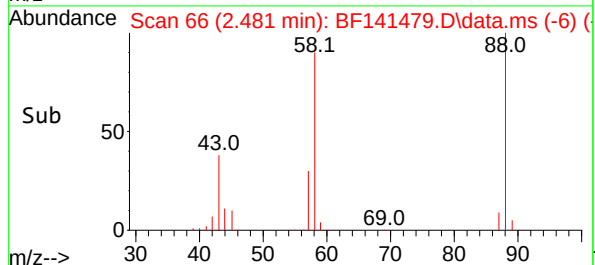
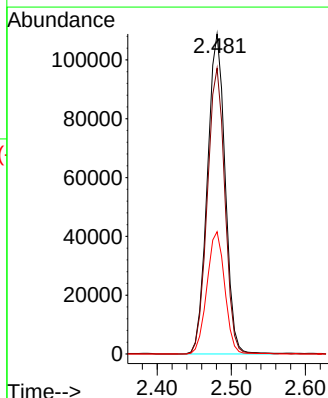
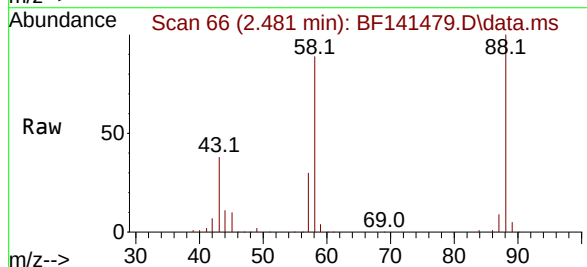
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

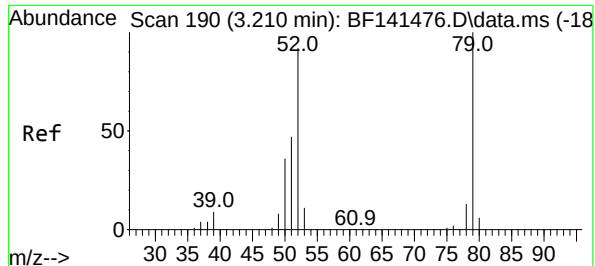
Tgt Ion:152 Resp: 90415
Ion Ratio Lower Upper
152 100
150 160.5 125.0 187.4
115 63.2 53.6 80.4



#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 88 Resp: 181328
Ion Ratio Lower Upper
88 100
58 88.2 71.1 106.7
43 38.3 30.6 46.0

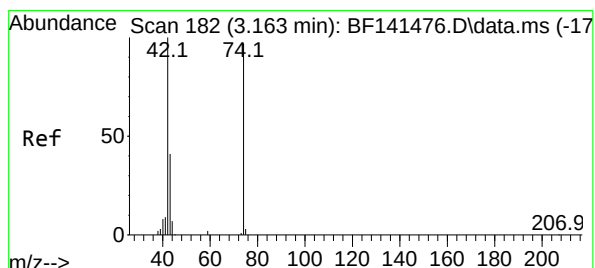
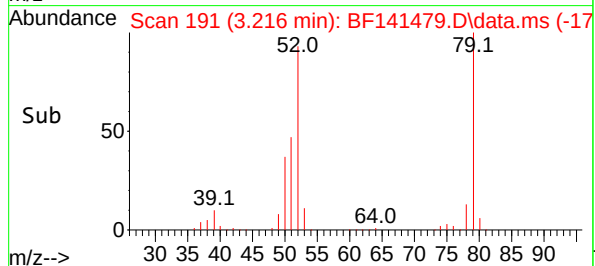
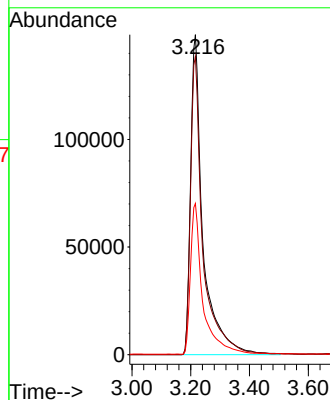
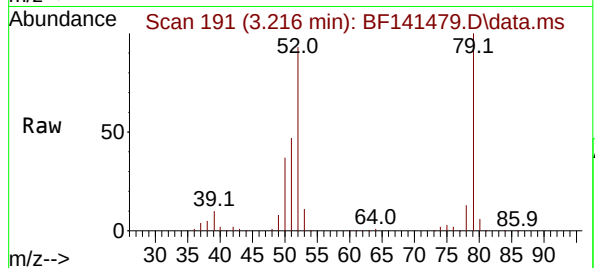




#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 190
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

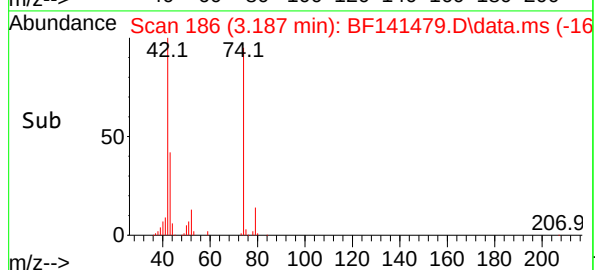
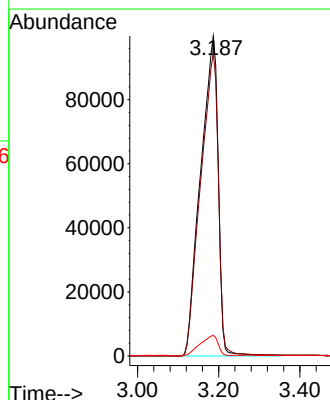
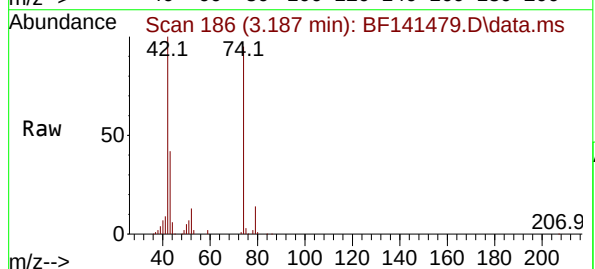
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

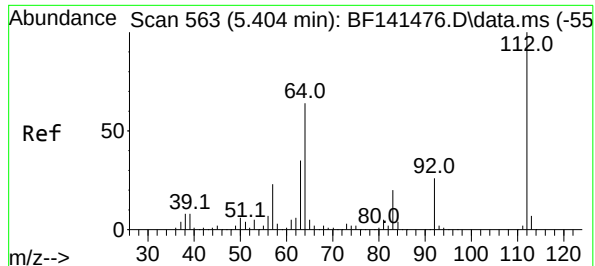
Tgt Ion: 79 Resp: 435462
Ion Ratio Lower Upper
79 100
52 93.2 73.7 110.5
51 47.3 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 42 Resp: 301403
Ion Ratio Lower Upper
42 100
74 94.7 78.0 117.0
44 6.4 5.4 8.2





#5

2-Fluorophenol

Concen: 152.272 ng

RT: 5.410 min Scan# 50

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

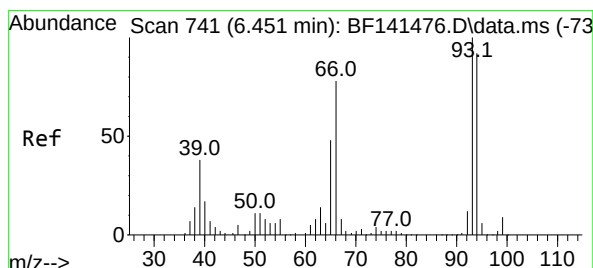
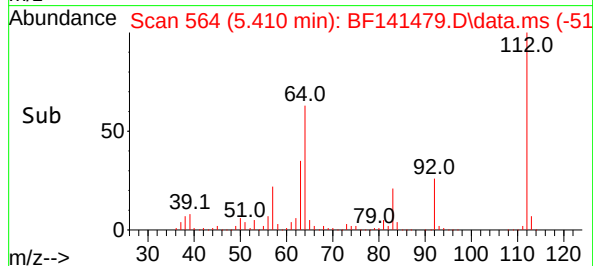
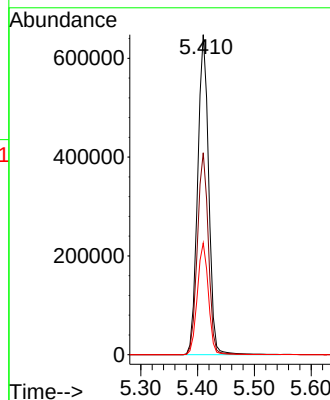
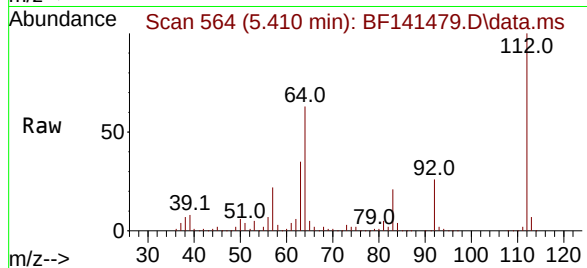
Tgt Ion:112 Resp: 878184

Ion Ratio Lower Upper

112 100

64 63.1 51.1 76.7

63 34.9 28.4 42.6



#6

Aniline

Concen: 72.913 ng

RT: 6.463 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

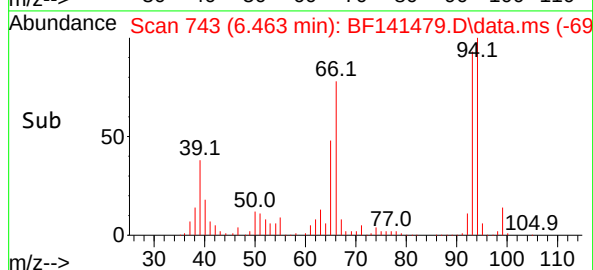
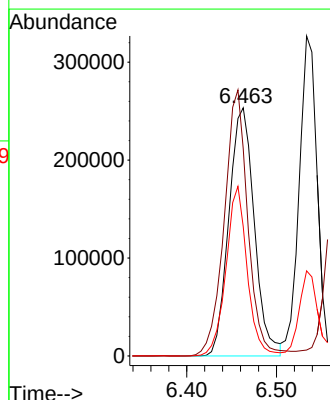
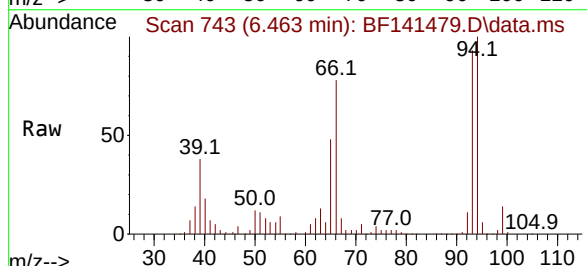
Tgt Ion: 93 Resp: 498556

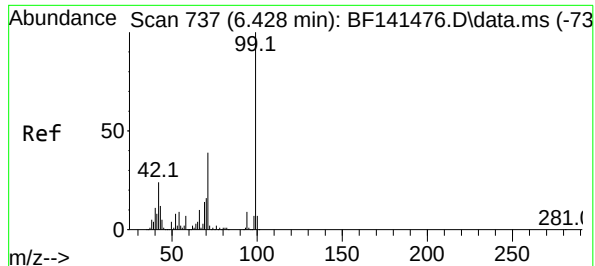
Ion Ratio Lower Upper

93 100

66 83.5 62.6 94.0

65 52.1 38.3 57.5

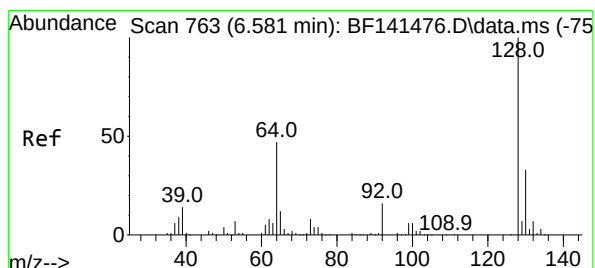
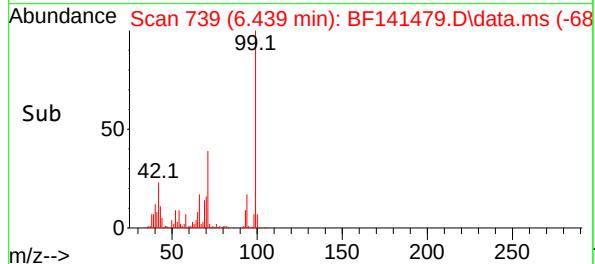
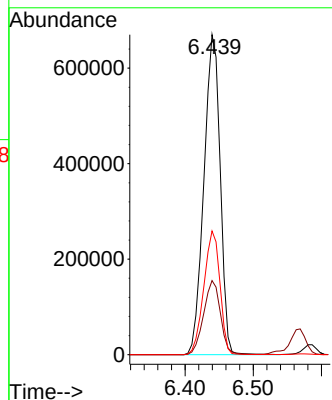
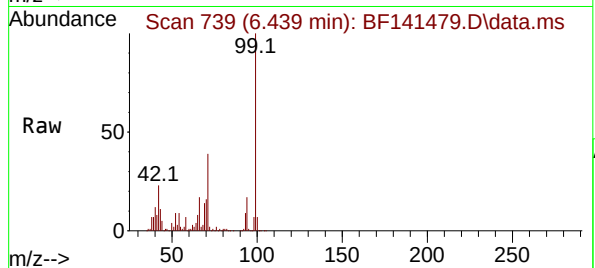




#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

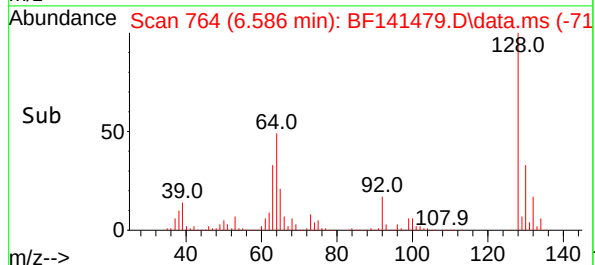
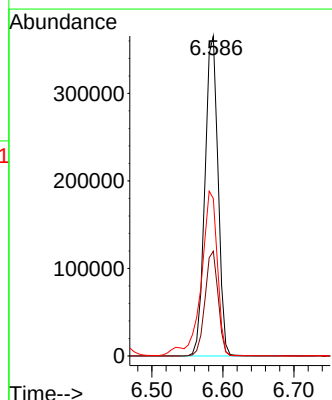
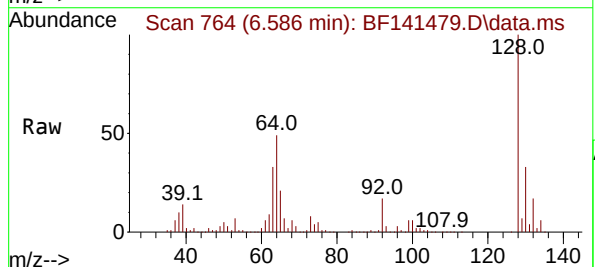
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

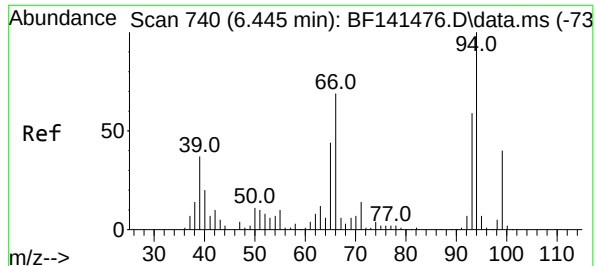
Tgt Ion: 99 Resp: 1112281
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 38.7 31.1 46.7



#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 128 Resp: 470975
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 49.2 28.3 68.3





#10

Phenol

Concen: 74.779 ng

RT: 6.457 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

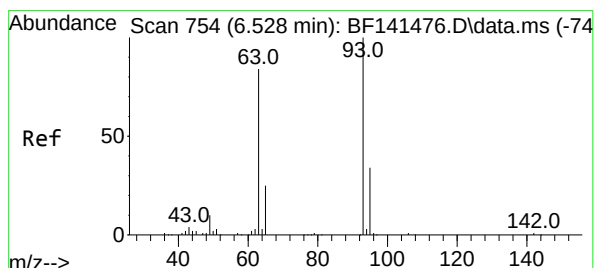
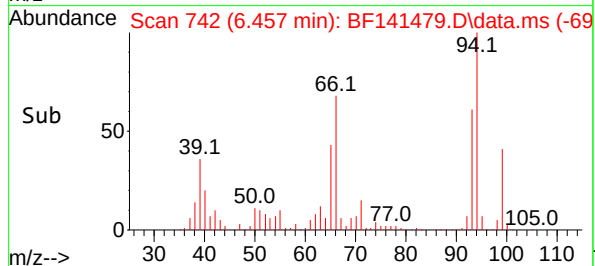
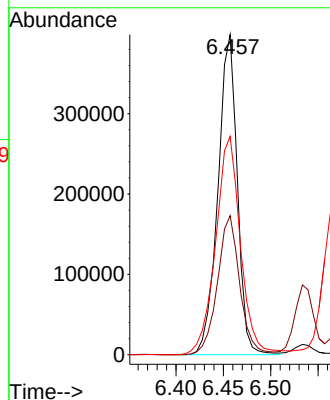
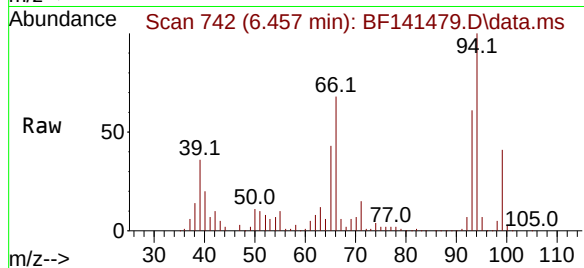
Tgt Ion: 94 Resp: 567332

Ion Ratio Lower Upper

94 100

65 43.5 23.7 63.7

66 68.2 49.3 89.3



#11

bis(2-Chloroethyl)ether

Concen: 79.695 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

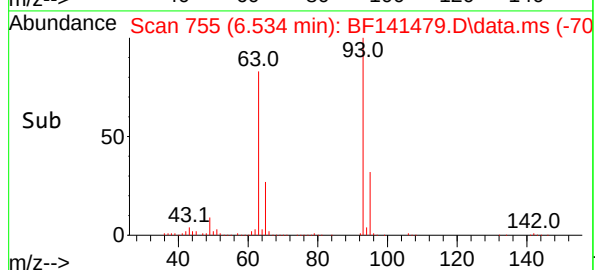
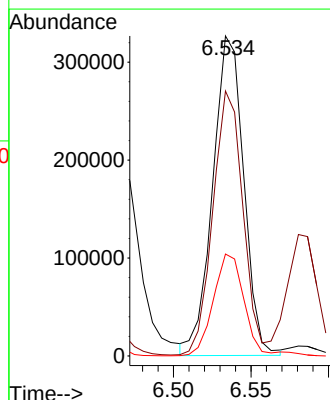
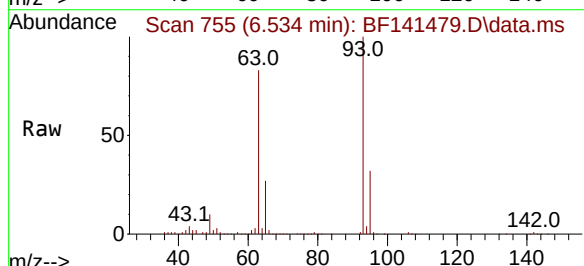
Tgt Ion: 93 Resp: 454141

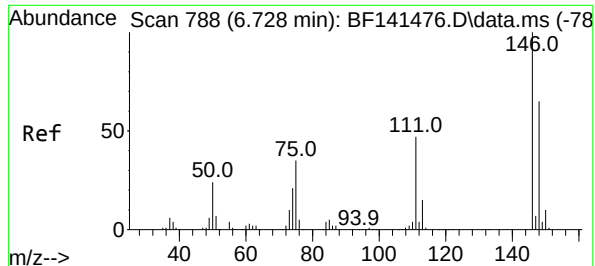
Ion Ratio Lower Upper

93 100

63 82.8 62.0 102.0

95 31.9 12.6 52.6





#12

1,3-Dichlorobenzene

Concen: 75.115 ng

RT: 6.734 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

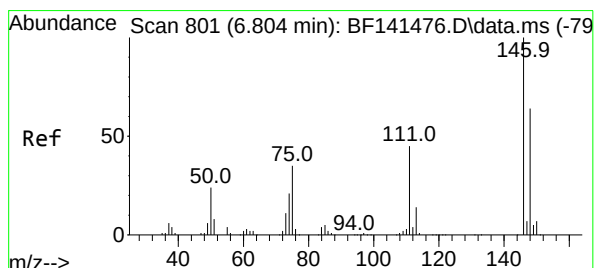
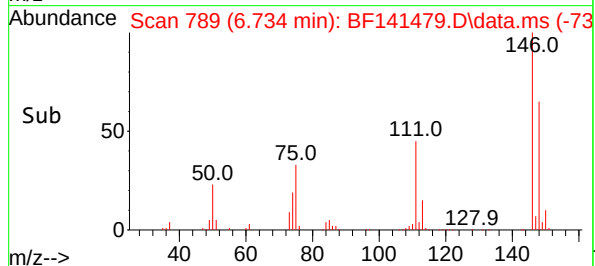
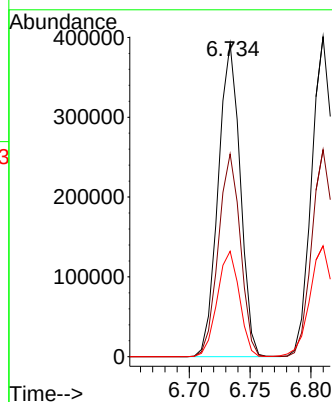
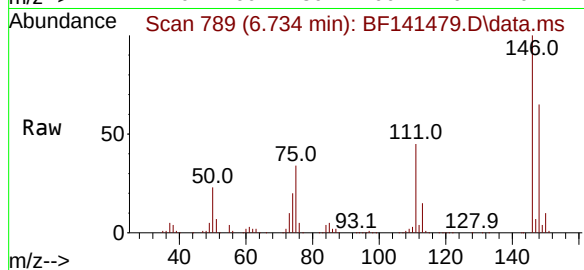
Tgt Ion:146 Resp: 494180

Ion Ratio Lower Upper

146 100

148 64.7 51.9 77.9

75 33.7 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 74.175 ng

RT: 6.810 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

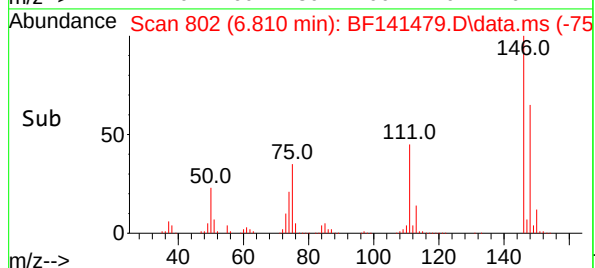
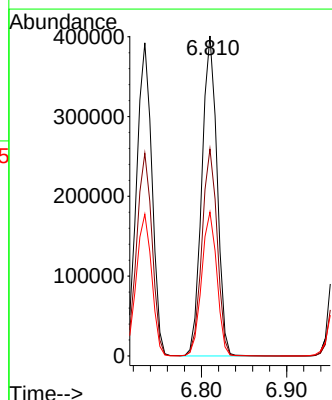
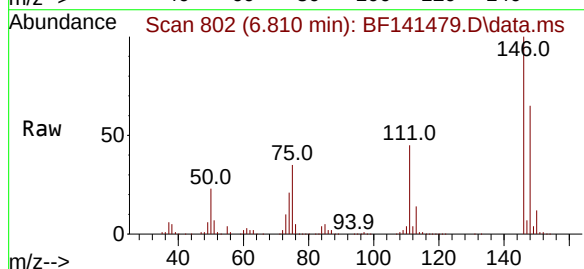
Tgt Ion:146 Resp: 498585

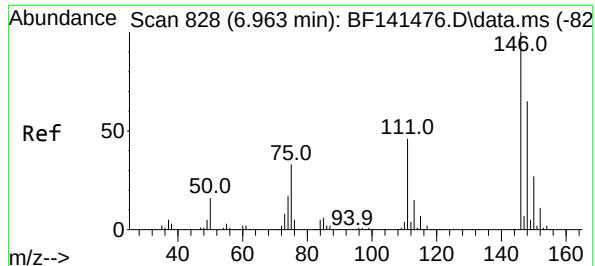
Ion Ratio Lower Upper

146 100

148 64.7 50.9 76.3

111 44.9 35.9 53.9





#14

1,2-Dichlorobenzene

Concen: 74.465 ng

RT: 6.963 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

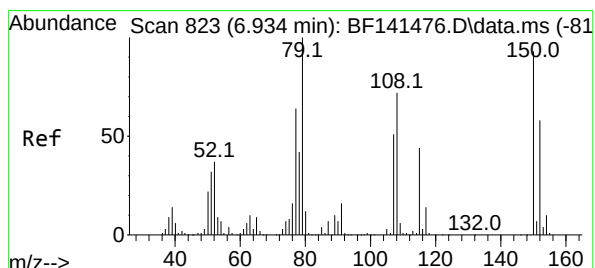
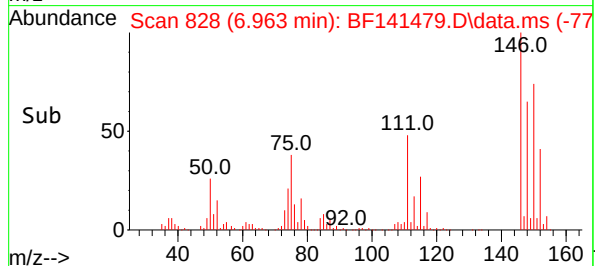
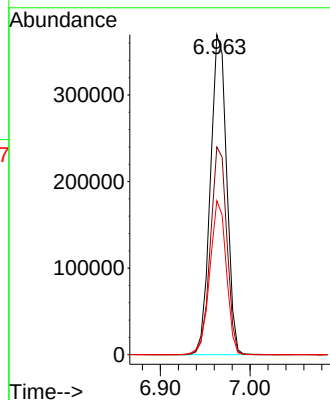
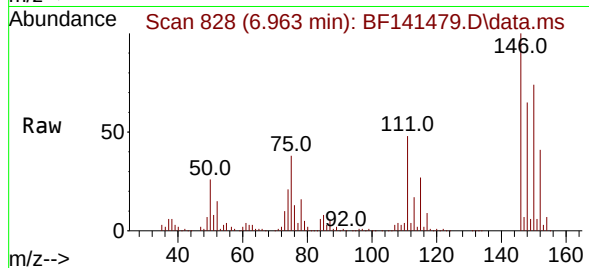
Tgt Ion:146 Resp: 464559

Ion Ratio Lower Upper

146 100

148 64.9 51.8 77.6

111 48.1 37.0 55.4



#15

Benzyl Alcohol

Concen: 75.258 ng

RT: 6.939 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

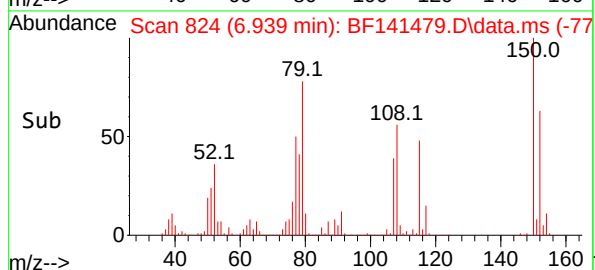
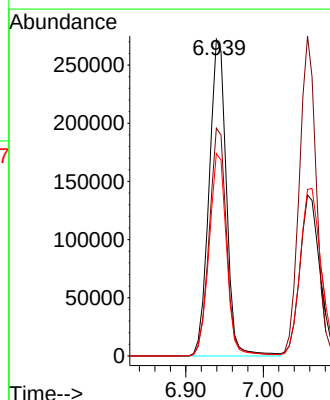
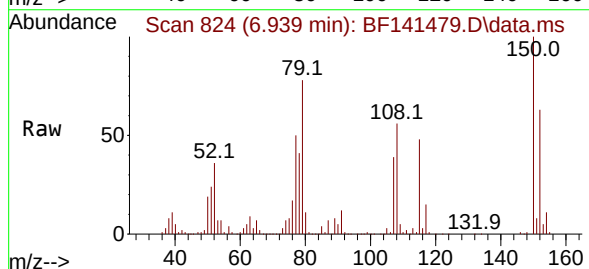
Tgt Ion: 79 Resp: 420673

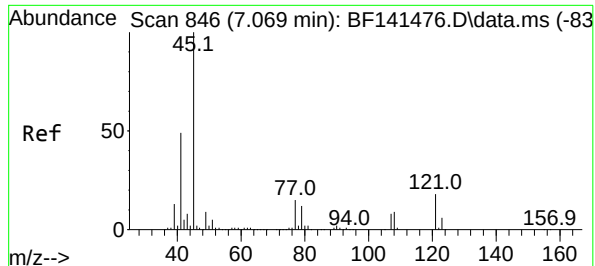
Ion Ratio Lower Upper

79 100

108 72.0 57.4 86.2

77 64.0 50.9 76.3





#16

2,2'-oxybis(1-chloropropane)

Concen: 72.613 ng

RT: 7.069 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

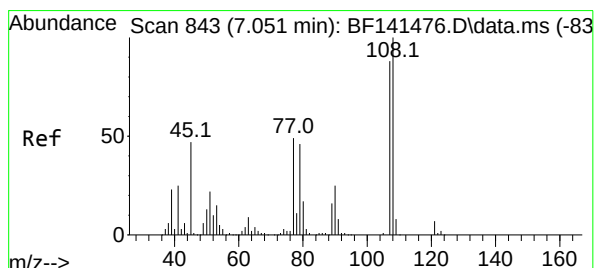
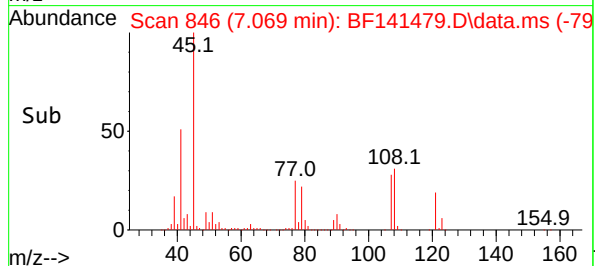
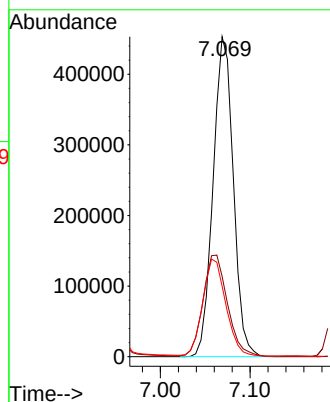
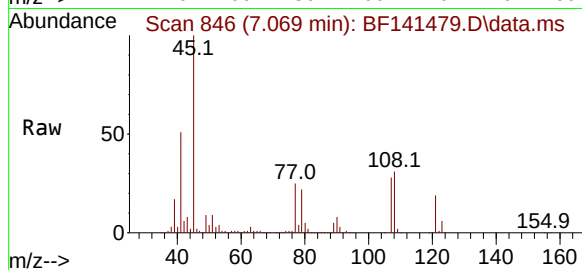
Tgt Ion: 45 Resp: 708318

Ion Ratio Lower Upper

45 100

77 25.1 0.0 35.8

79 22.0 0.0 32.7



#17

2-Methylphenol

Concen: 75.912 ng

RT: 7.057 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 107 Resp: 370173

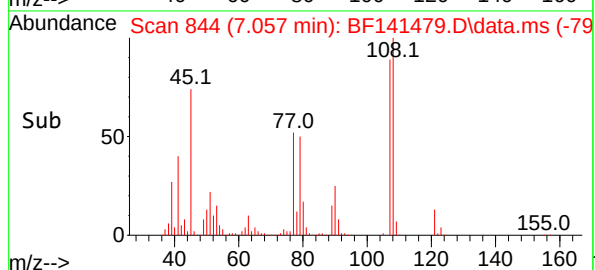
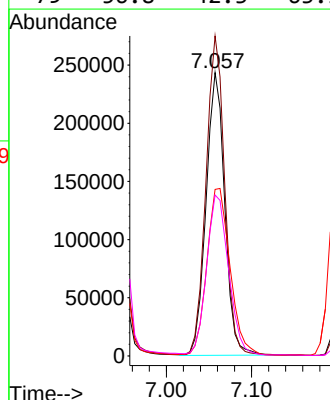
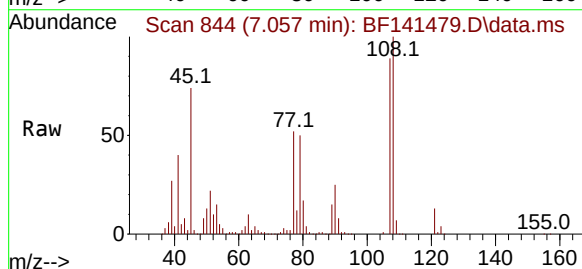
Ion Ratio Lower Upper

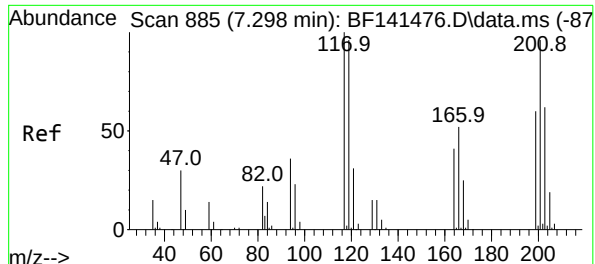
107 100

108 112.9 90.6 136.0

77 58.7 44.4 66.6

79 56.8 42.3 63.5

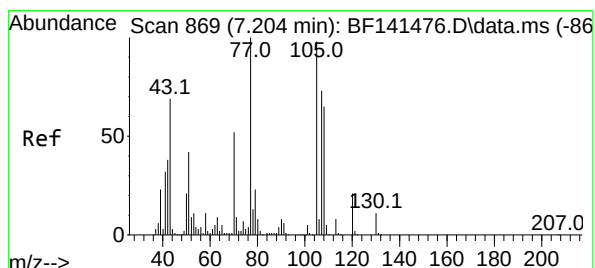
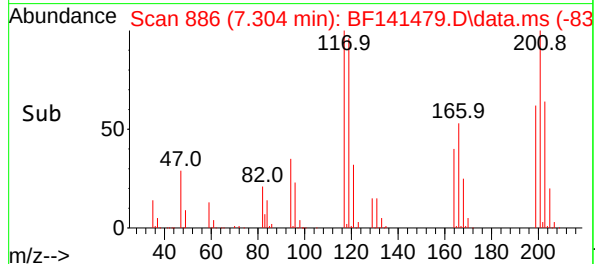
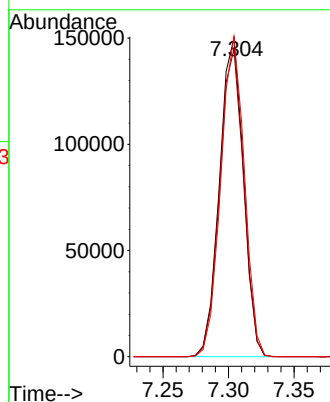
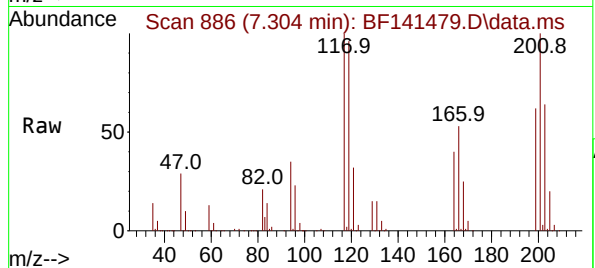




#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

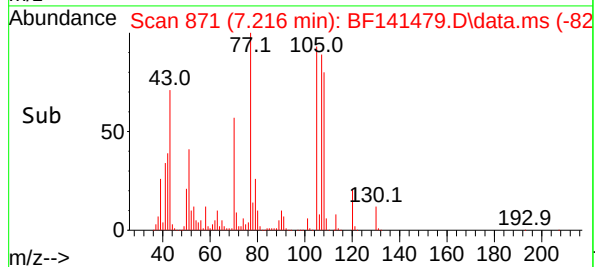
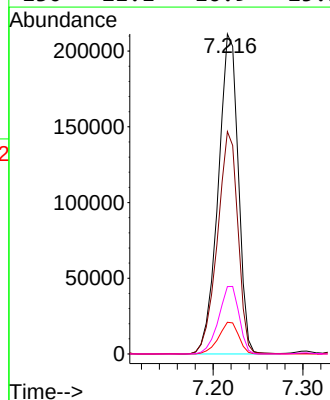
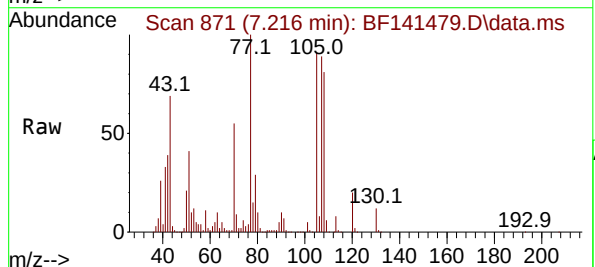
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

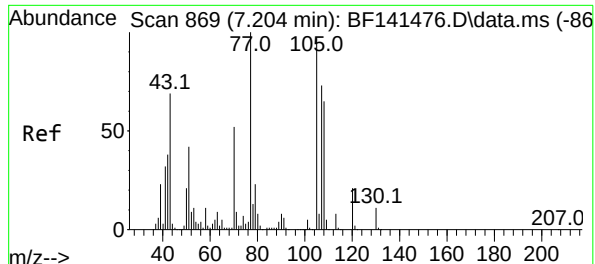
Tgt Ion:117 Resp: 190062
Ion Ratio Lower Upper
117 100
119 96.5 76.5 114.7
201 100.5 76.7 115.1



#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 70 Resp: 328097
Ion Ratio Lower Upper
70 100
42 69.5 57.4 86.2
101 9.9 8.0 12.0
130 21.1 16.9 25.3





#20

3+4-Methylphenols

Concen: 72.613 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141479.D

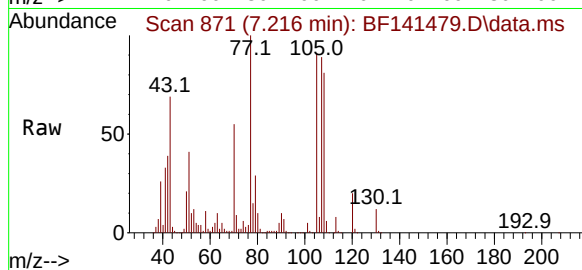
Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 450046

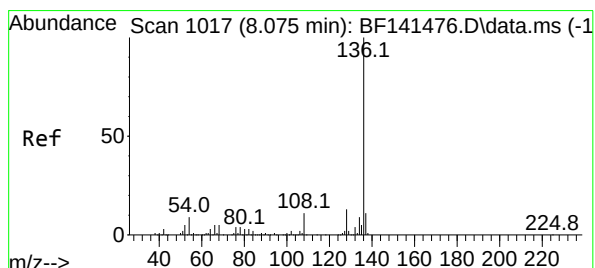
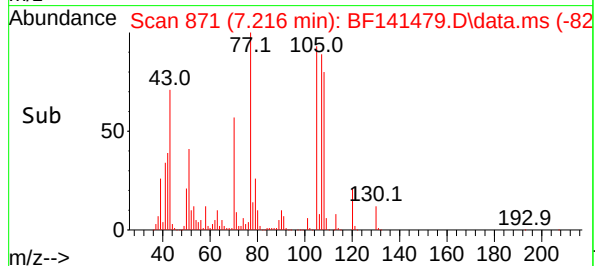
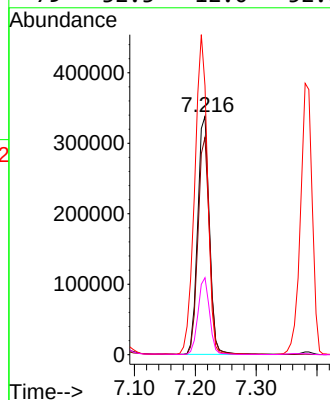
Ion Ratio Lower Upper

107 100

108 91.3 68.5 108.5

77 112.8 116.5 156.5#

79 32.3 12.0 52.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion:136 Resp: 341252

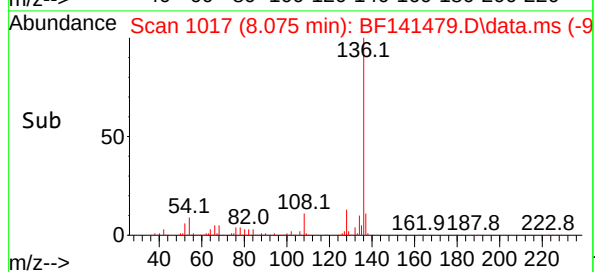
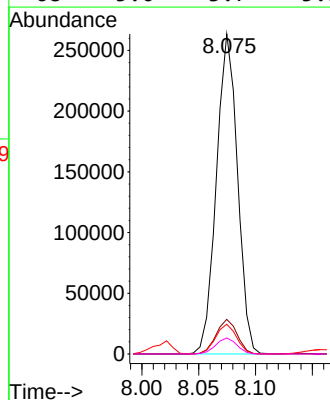
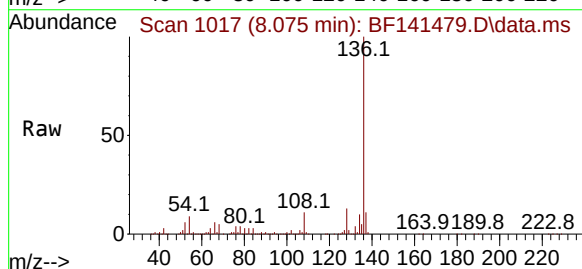
Ion Ratio Lower Upper

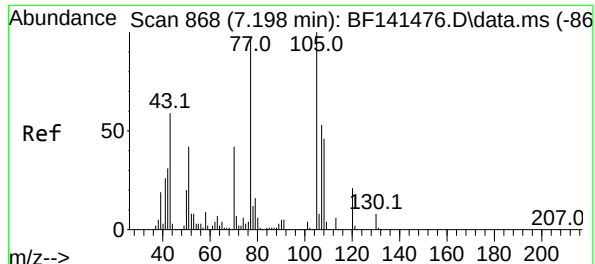
136 100

137 10.8 8.6 13.0

54 9.3 7.2 10.8

68 5.0 3.7 5.5





#22

Acetophenone

Concen: 76.846 ng

RT: 7.210 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:105 Resp: 652334

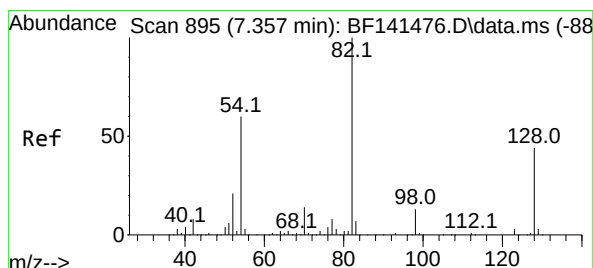
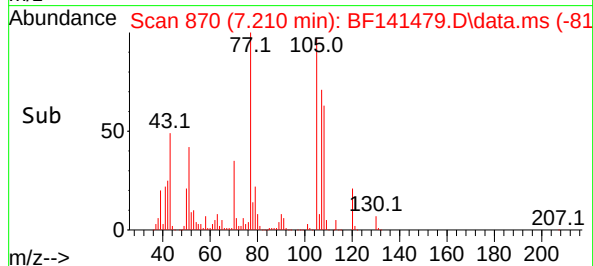
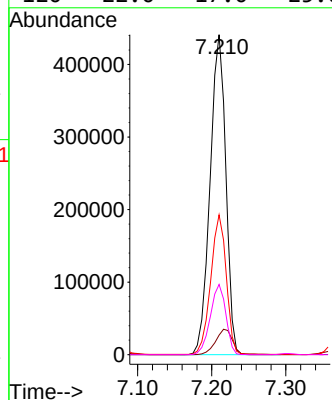
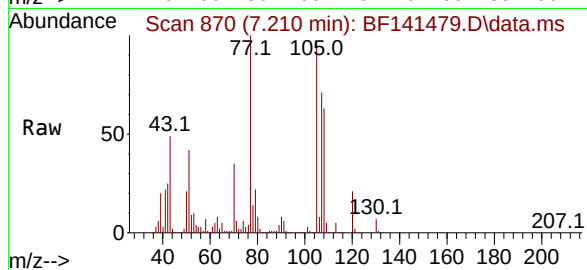
Ion Ratio Lower Upper

105 100

71 6.1 5.7 8.5

51 43.7 33.7 50.5

120 22.0 17.0 25.6



#23

Nitrobenzene-d5

Concen: 160.228 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

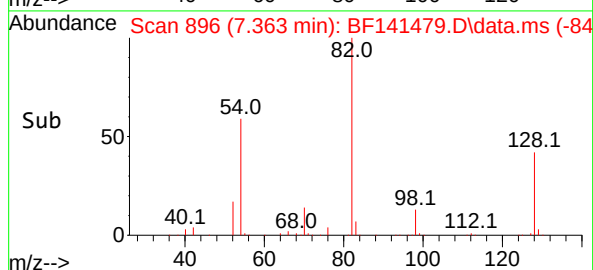
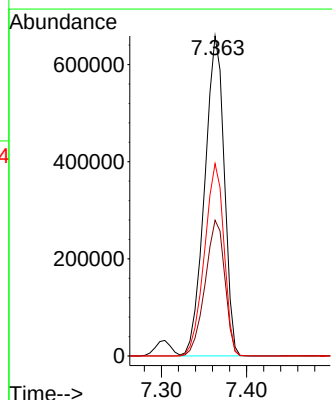
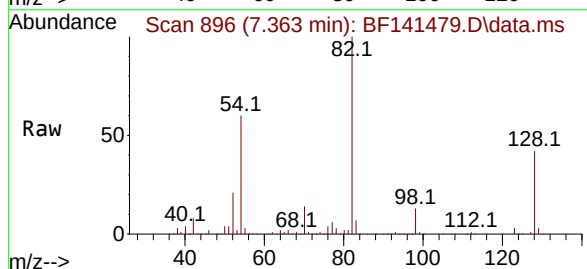
Tgt Ion: 82 Resp: 1048314

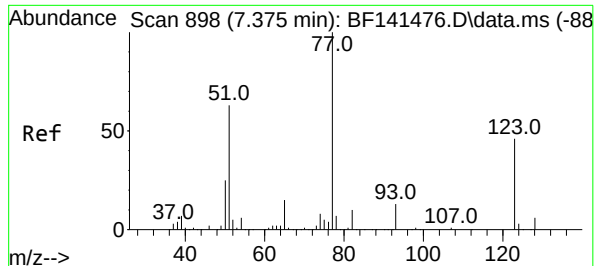
Ion Ratio Lower Upper

82 100

128 42.4 34.8 52.2

54 60.1 48.2 72.4





#24

Nitrobenzene

Concen: 80.448 ng

RT: 7.381 min Scan# 898

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

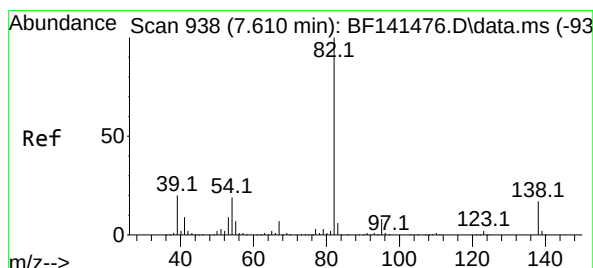
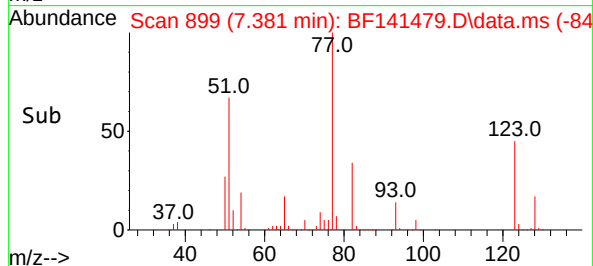
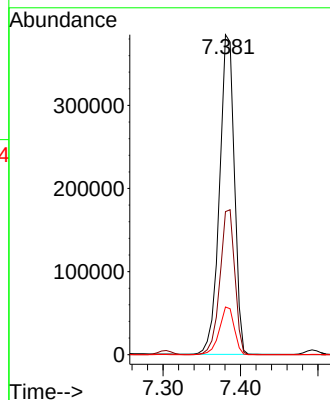
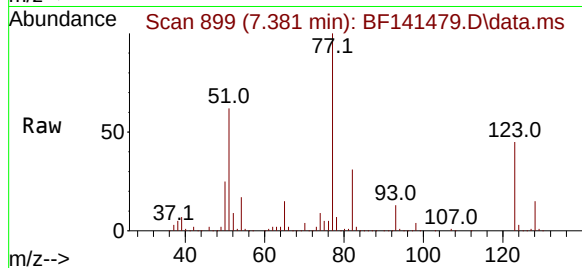
Tgt Ion: 77 Resp: 513249

Ion Ratio Lower Upper

77 100

123 44.7 36.9 55.3

65 14.9 11.9 17.9



#25

Isophorone

Concen: 80.337 ng

RT: 7.622 min Scan# 940

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

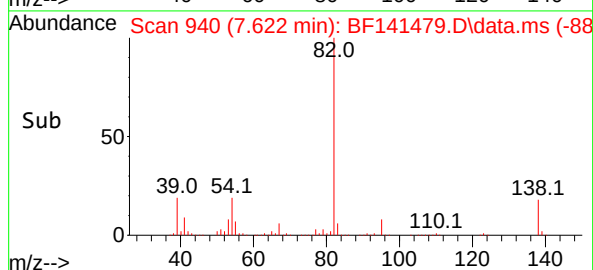
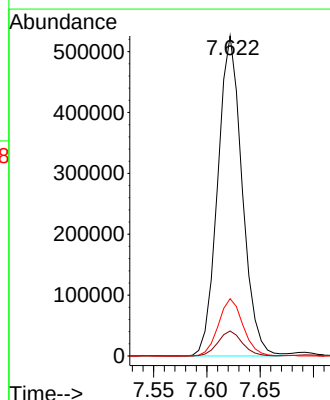
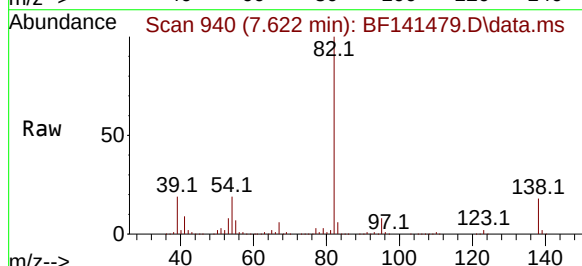
Tgt Ion: 82 Resp: 838076

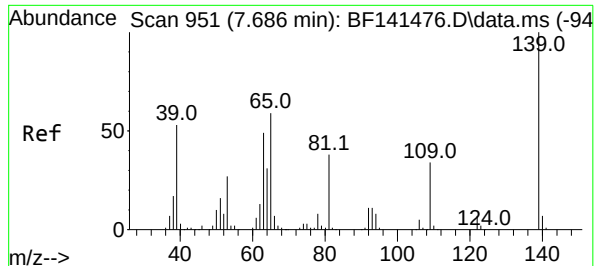
Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

138 17.9 13.9 20.9





#26

2-Nitrophenol

Concen: 82.350 ng

RT: 7.692 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

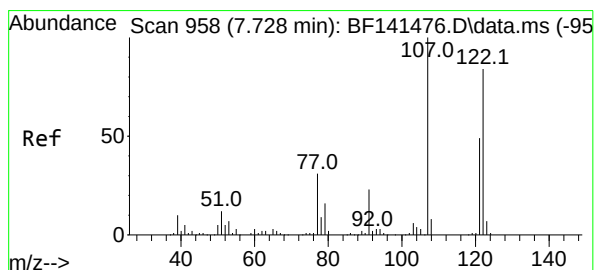
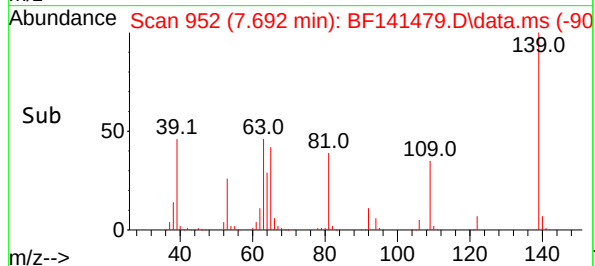
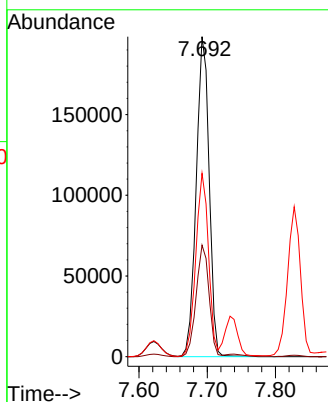
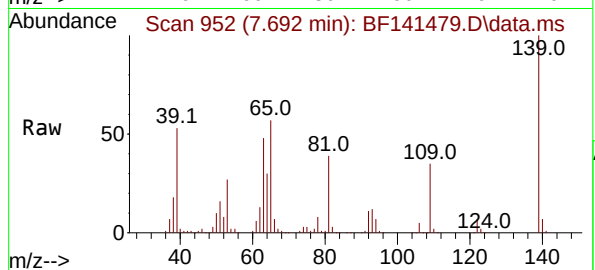
Tgt Ion:139 Resp: 261386

Ion Ratio Lower Upper

139 100

109 34.9 27.0 40.6

65 57.3 47.1 70.7



#27

2,4-Dimethylphenol

Concen: 80.915 ng

RT: 7.733 min Scan# 959

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

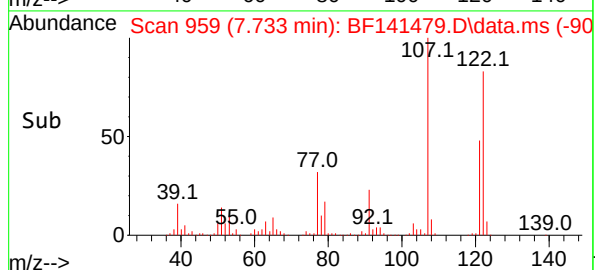
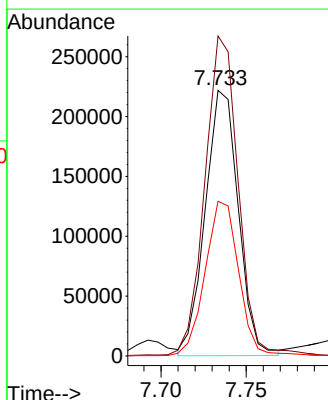
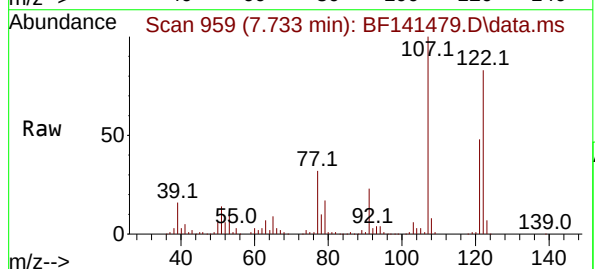
Tgt Ion:122 Resp: 300036

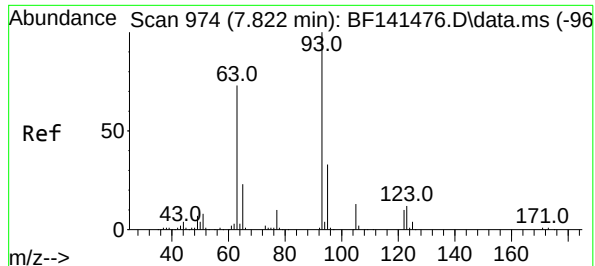
Ion Ratio Lower Upper

122 100

107 120.5 94.3 141.5

121 58.3 46.0 69.0





#28

bis(2-Chloroethoxy)methane

Concen: 79.203 ng

RT: 7.828 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

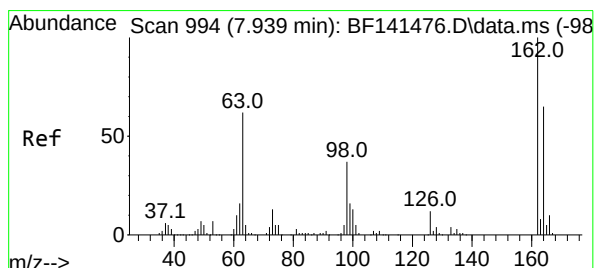
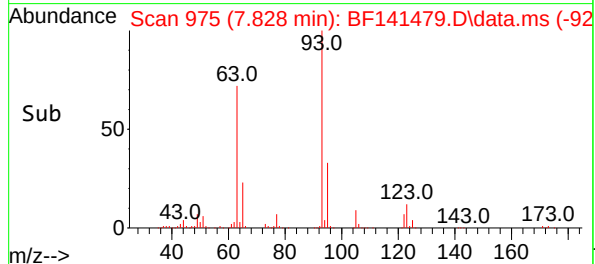
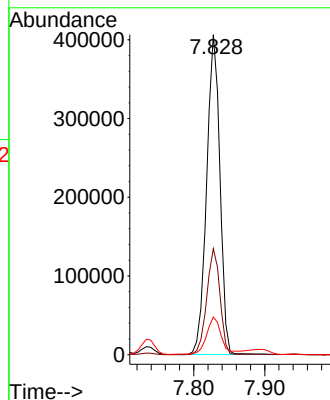
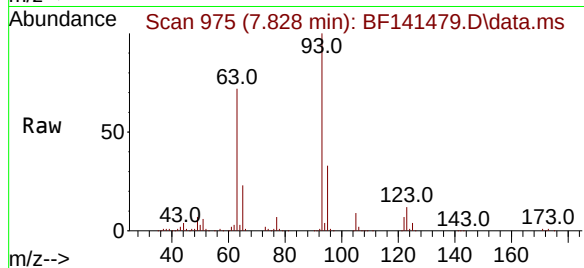
Tgt Ion: 93 Resp: 529442

Ion Ratio Lower Upper

93 100

95 33.2 26.1 39.1

123 11.8 9.5 14.3



#29

2,4-Dichlorophenol

Concen: 79.645 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

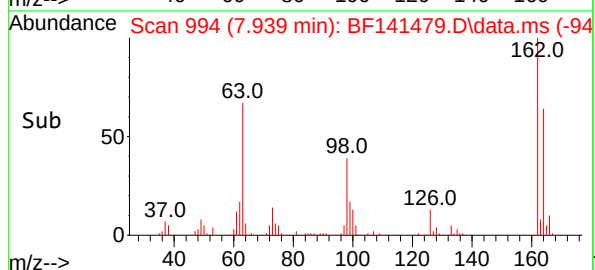
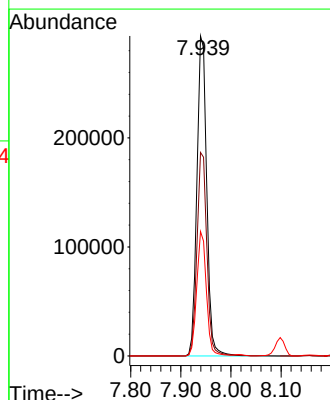
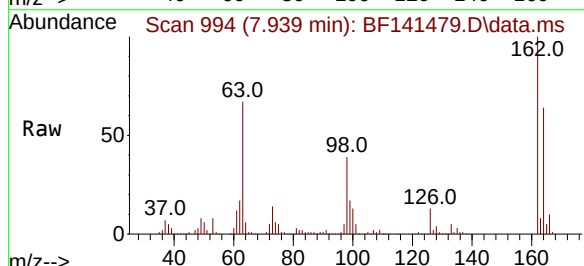
Tgt Ion: 162 Resp: 399027

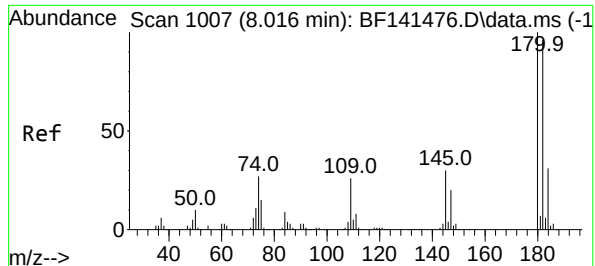
Ion Ratio Lower Upper

162 100

164 63.6 44.6 84.6

98 38.9 17.2 57.2





#30

1,2,4-Trichlorobenzene

Concen: 78.568 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

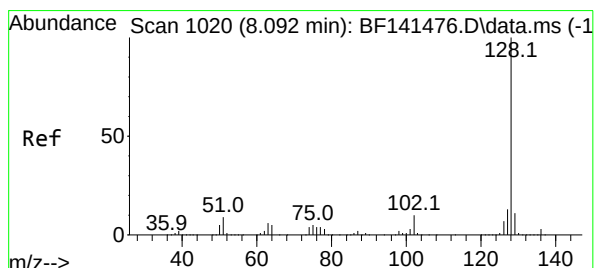
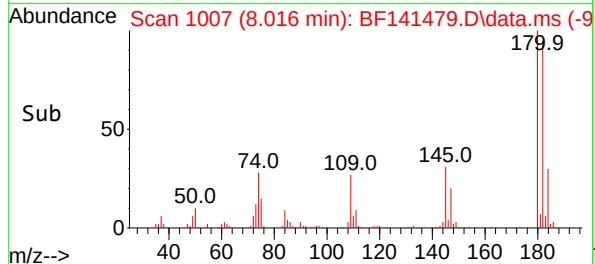
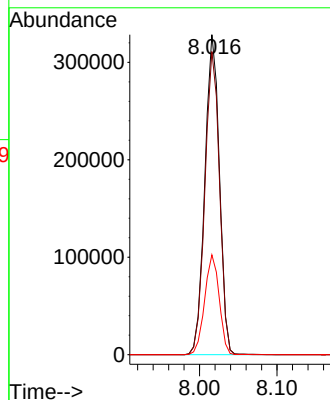
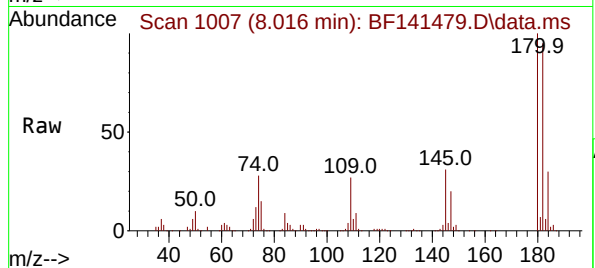
Tgt Ion:180 Resp: 428656

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

145 31.2 24.2 36.4



#31

Naphthalene

Concen: 77.769 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

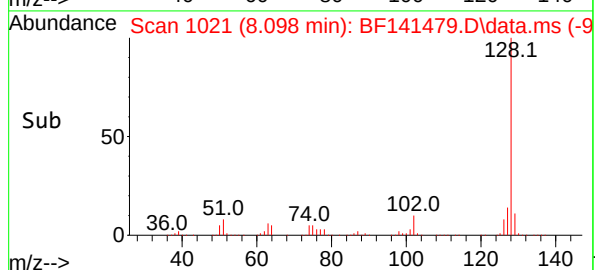
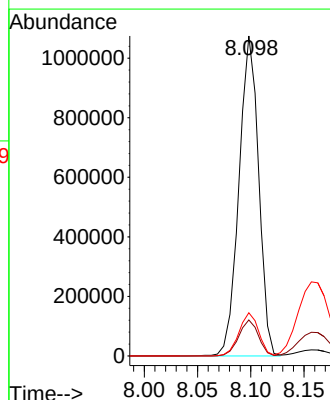
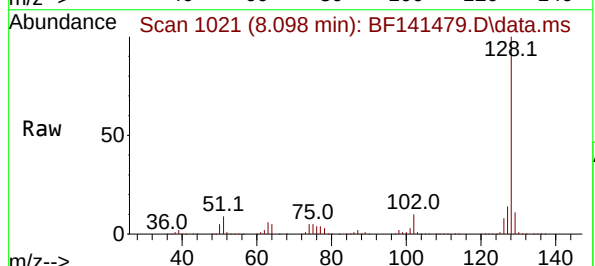
Tgt Ion:128 Resp: 1381453

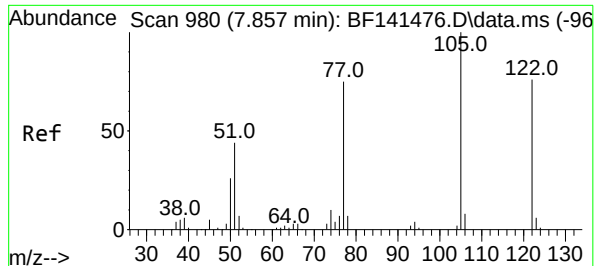
Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.5 10.7 16.1





#32

Benzoic acid

Concen: 87.086 ng

RT: 7.892 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

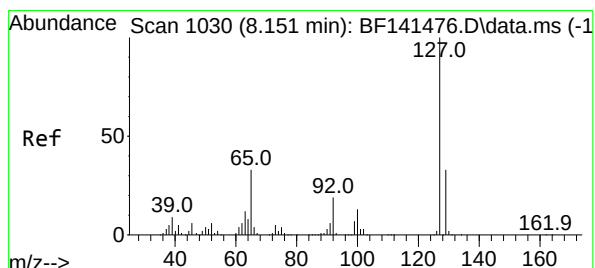
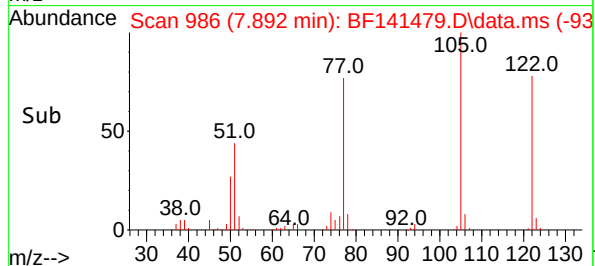
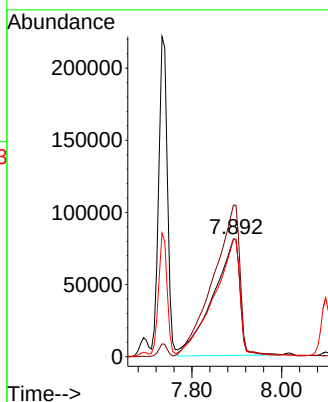
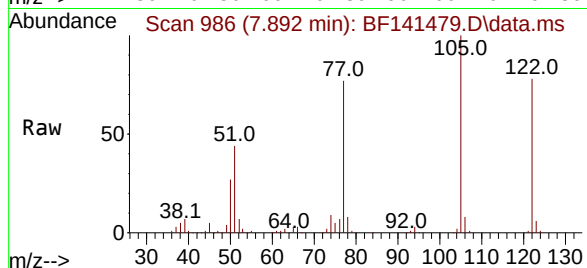
Tgt Ion:122 Resp: 335418

Ion Ratio Lower Upper

122 100

105 128.7 106.5 146.5

77 99.4 76.3 116.3



#33

4-Chloroaniline

Concen: 81.400 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion:127 Resp: 504834

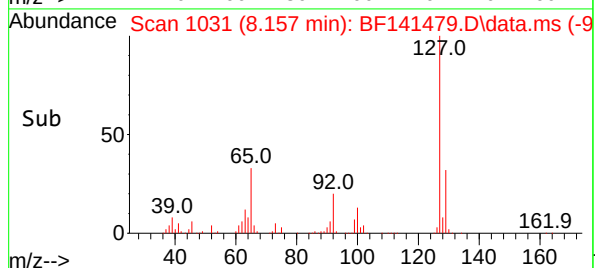
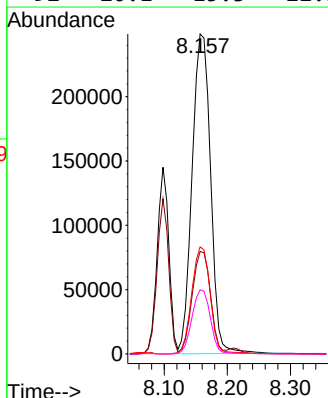
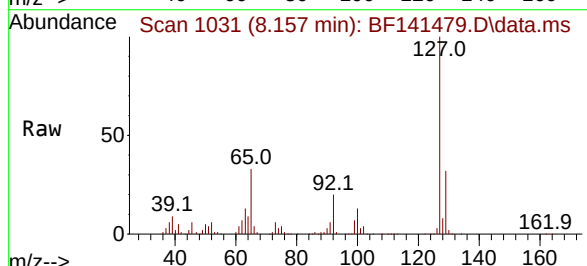
Ion Ratio Lower Upper

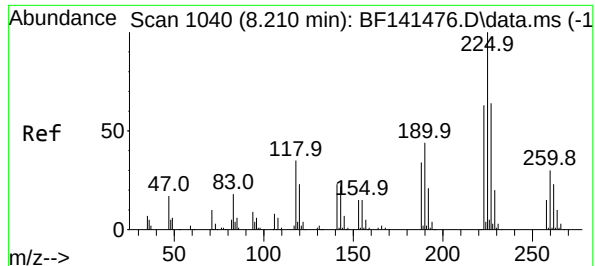
127 100

129 32.0 26.5 39.7

65 33.5 26.4 39.6

92 20.1 15.3 22.9





#34

Hexachlorobutadiene

Concen: 78.628 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

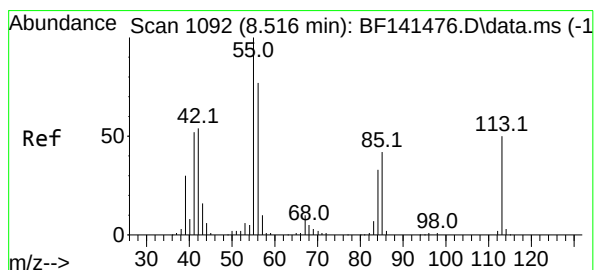
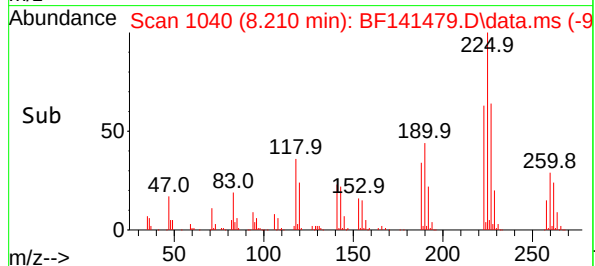
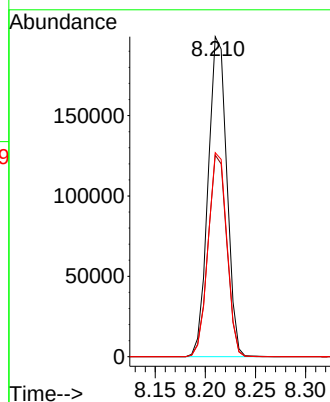
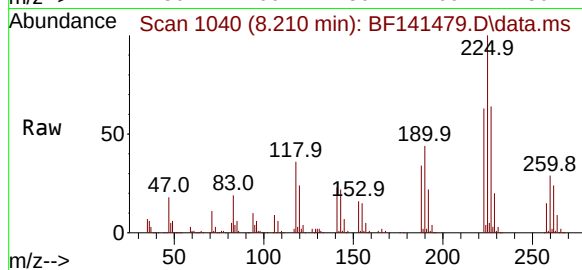
Tgt Ion:225 Resp: 257532

Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 63.8 51.0 76.6



#35

Caprolactam

Concen: 82.350 ng

RT: 8.545 min Scan# 1097

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

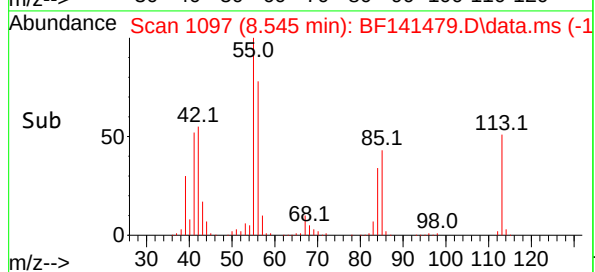
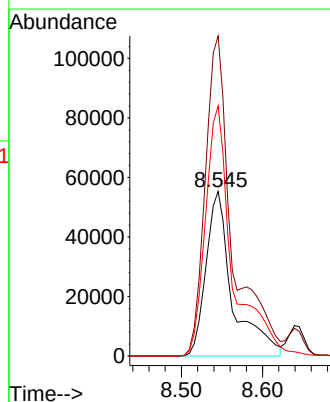
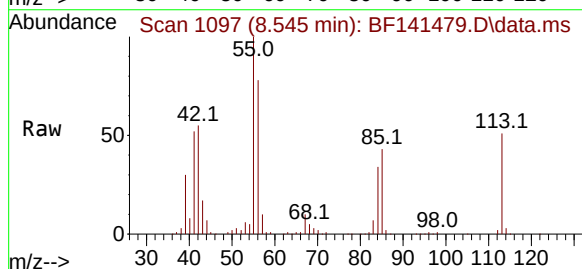
Tgt Ion:113 Resp: 125619

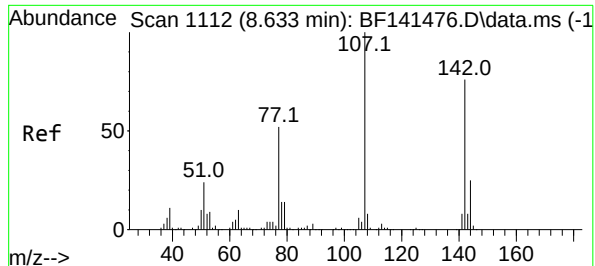
Ion Ratio Lower Upper

113 100

55 194.6 180.8 220.8

56 152.1 133.6 173.6

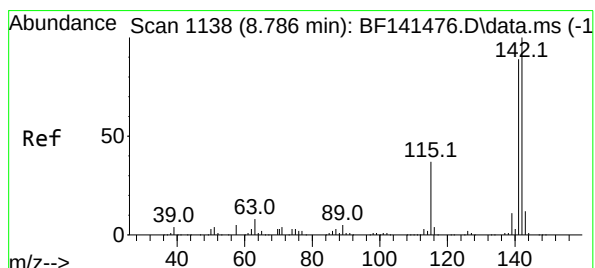
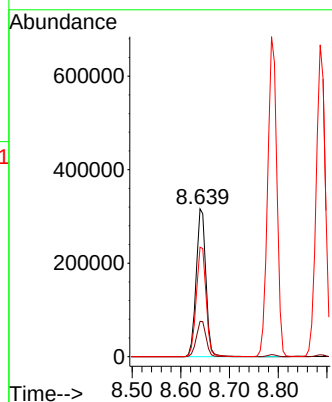
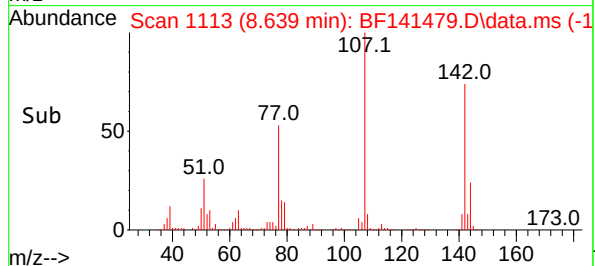
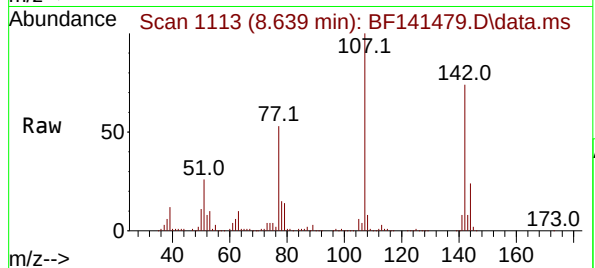




#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

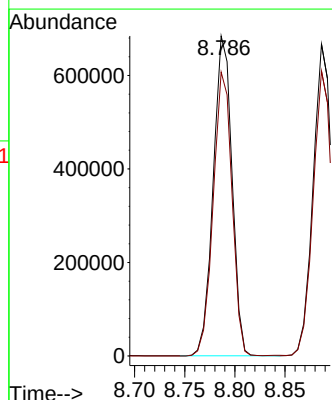
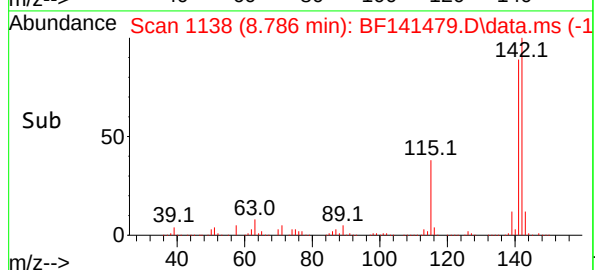
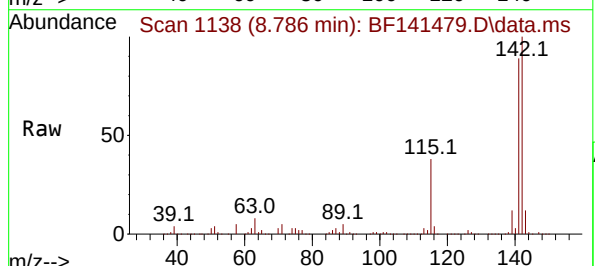
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

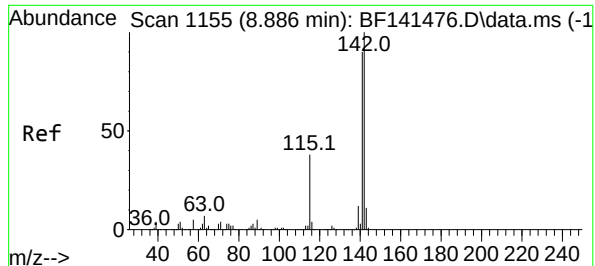
Tgt Ion:107 Resp: 441925
Ion Ratio Lower Upper
107 100
144 23.9 19.7 29.5
142 74.0 60.8 91.2



#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8





#38

1-Methylnaphthalene

Concen: 76.983 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

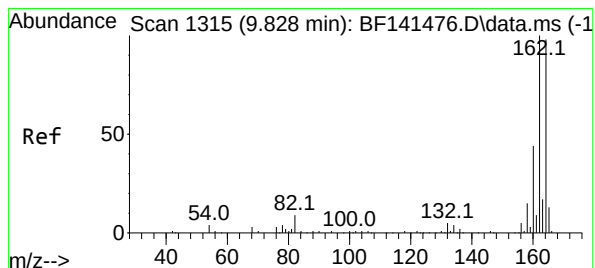
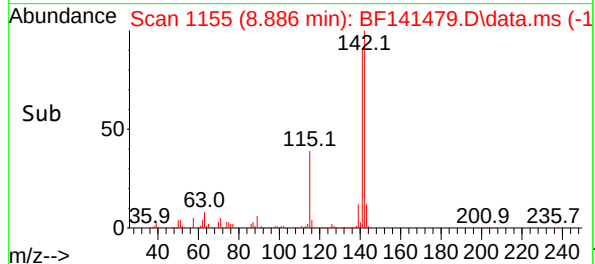
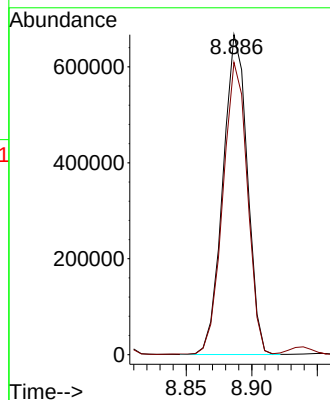
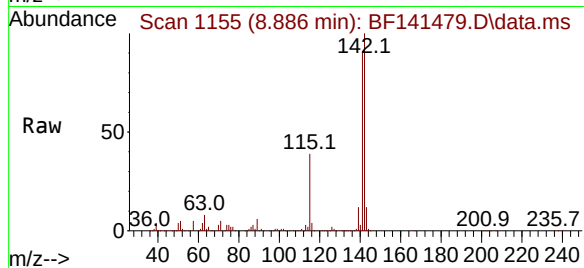
SSTDICC080

Tgt Ion:142 Resp: 861860

Ion Ratio Lower Upper

142 100

141 91.3 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

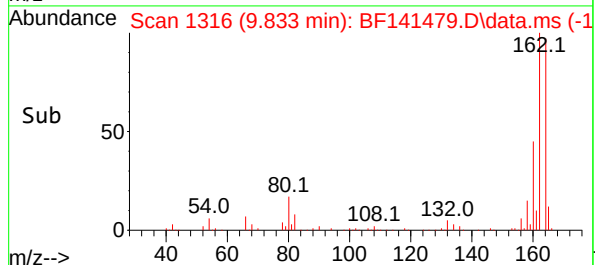
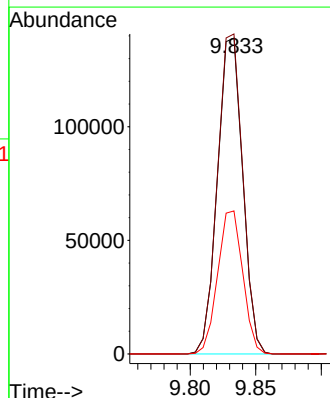
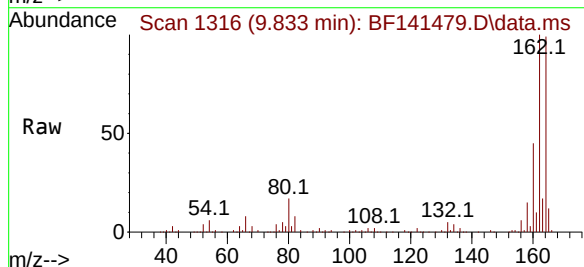
Tgt Ion:164 Resp: 186230

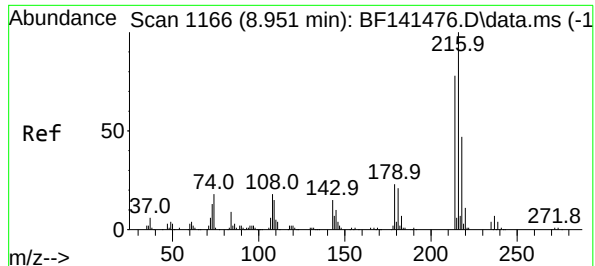
Ion Ratio Lower Upper

164 100

162 101.3 81.3 121.9

160 45.3 35.9 53.9





#40

1,2,4,5-Tetrachlorobenzene

Concen: 77.689 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:216 Resp: 418579

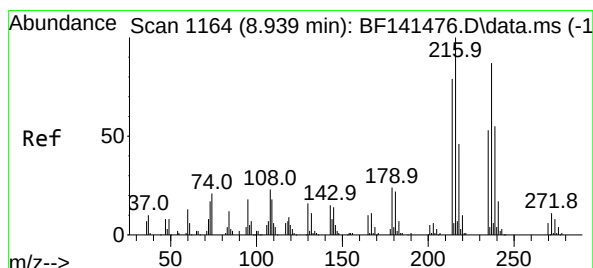
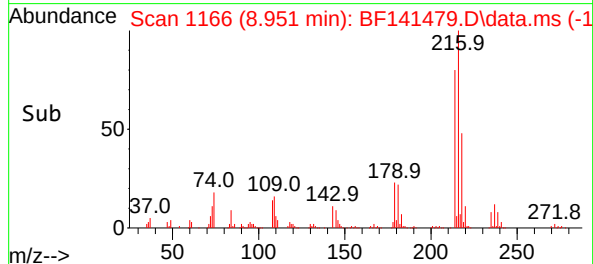
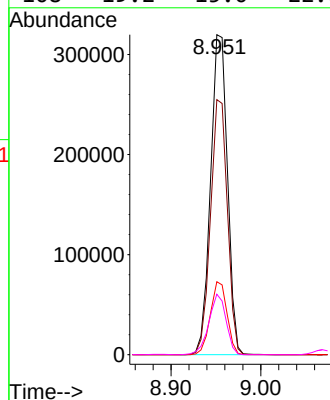
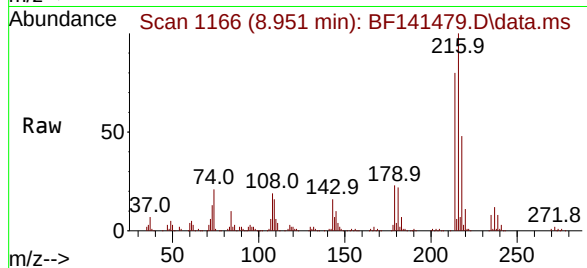
Ion Ratio Lower Upper

216 100

214 79.6 62.3 93.5

179 22.4 18.0 27.0

108 19.2 15.0 22.6



#41

Hexachlorocyclopentadiene

Concen: 88.965 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

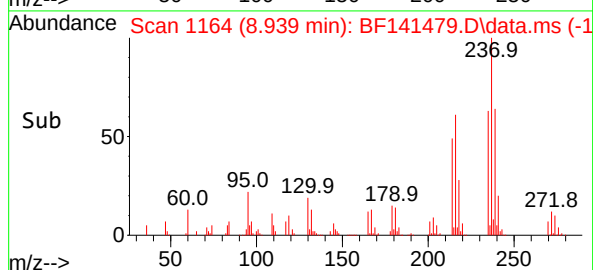
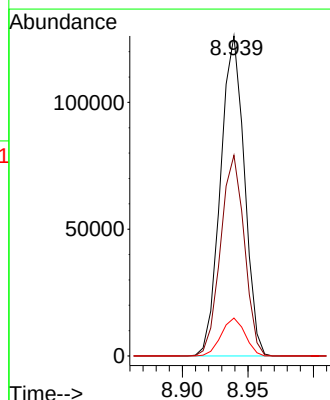
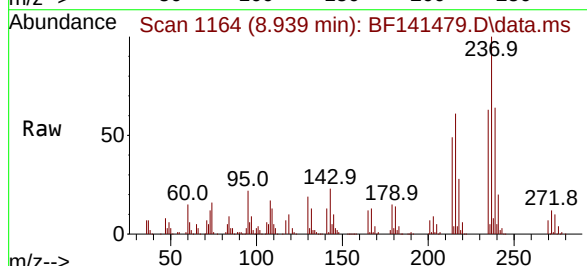
Tgt Ion:237 Resp: 159430

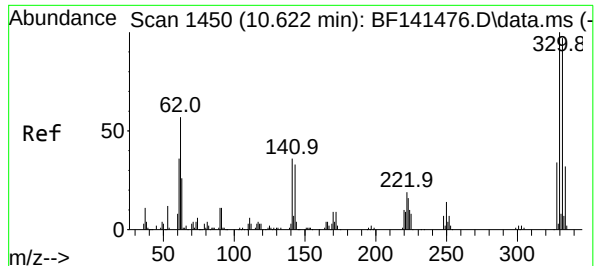
Ion Ratio Lower Upper

237 100

235 62.7 41.4 81.4

272 11.9 0.0 32.4





#42

2,4,6-Tribromophenol

Concen: 156.058 ng

RT: 10.627 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BF141479.D

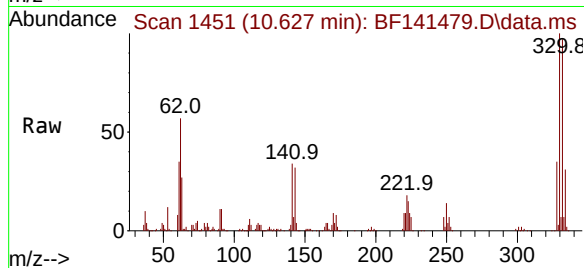
Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



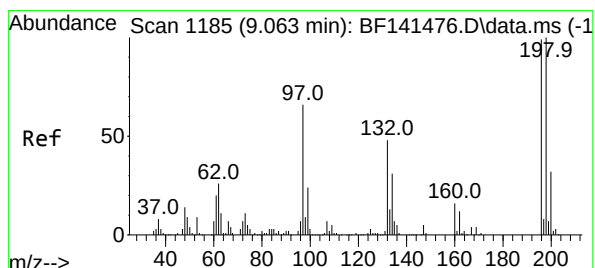
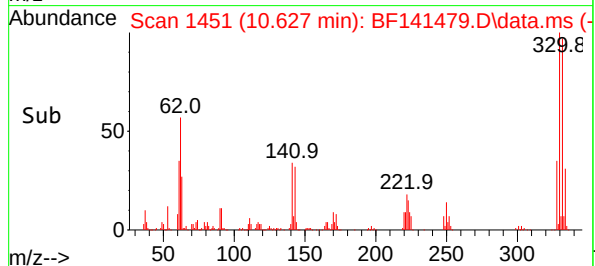
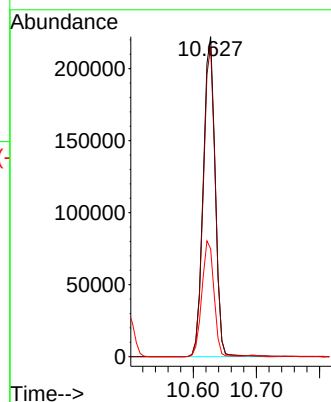
Tgt Ion:330 Resp: 291947

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

141 36.6 31.0 46.4



#43

2,4,6-Trichlorophenol

Concen: 79.591 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

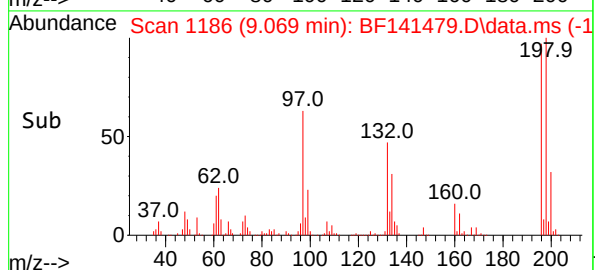
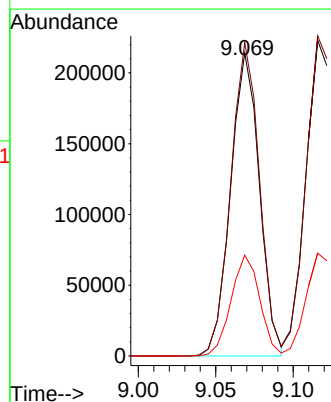
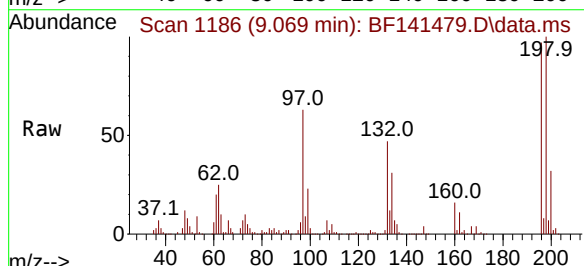
Tgt Ion:196 Resp: 277156

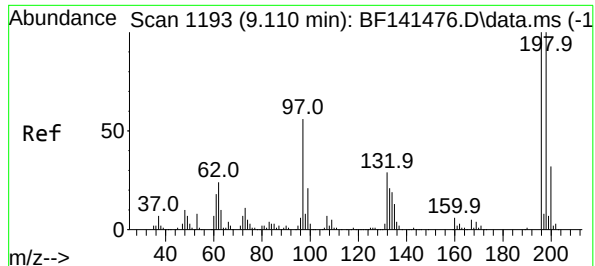
Ion Ratio Lower Upper

196 100

198 103.5 80.6 121.0

200 33.3 25.5 38.3





#44

2,4,5-Trichlorophenol

Concen: 79.189 ng

RT: 9.116 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141479.D

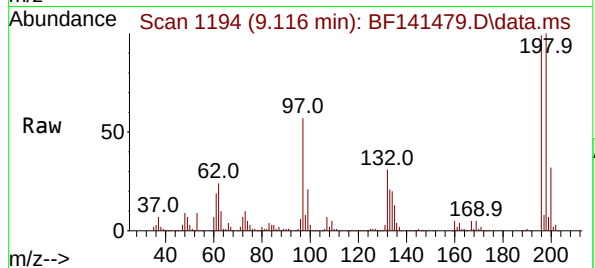
Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 298856

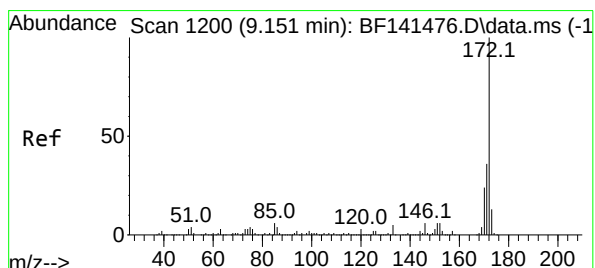
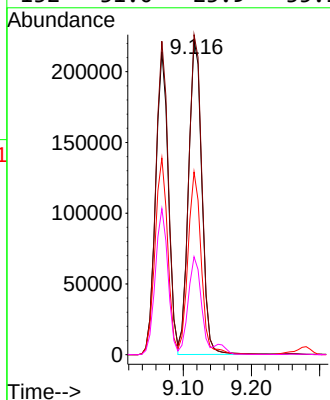
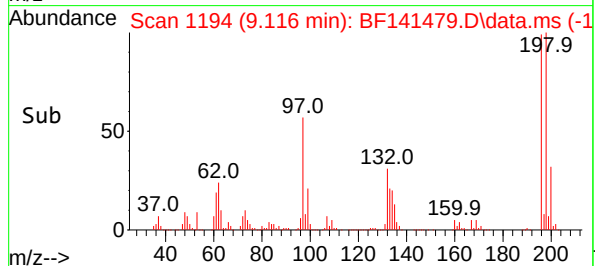
Ion Ratio Lower Upper

196 100

198 101.4 79.8 119.8

97 57.9 44.8 67.2

132 31.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 148.066 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

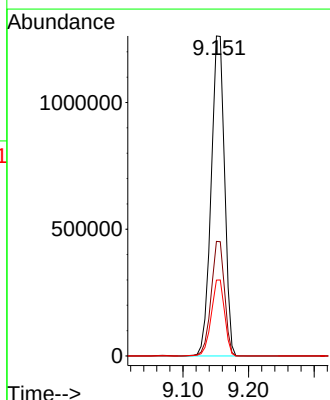
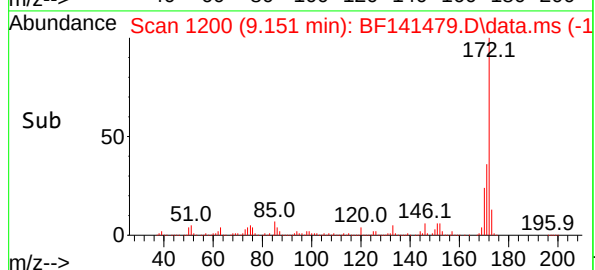
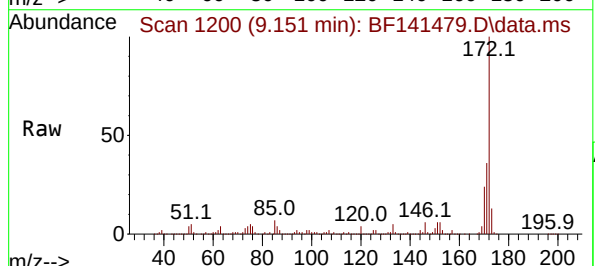
Tgt Ion:172 Resp: 1789795

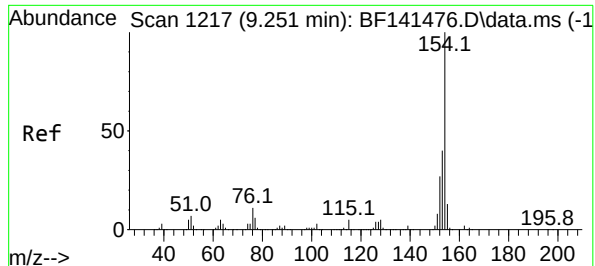
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.7 18.9 28.3





#46

1,1'-Biphenyl

Concen: 76.237 ng

RT: 9.257 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

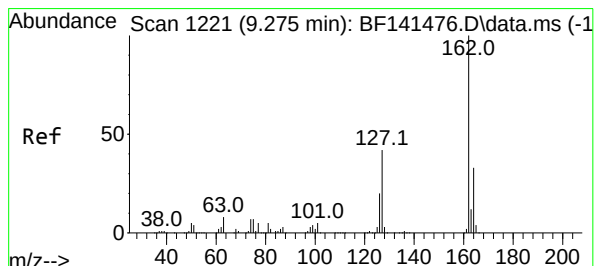
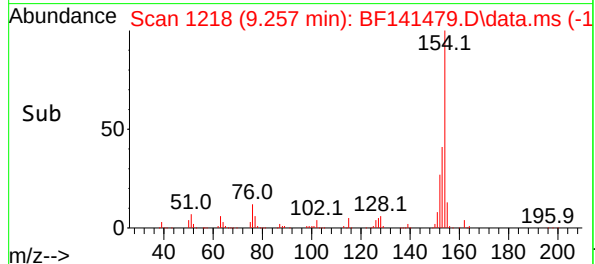
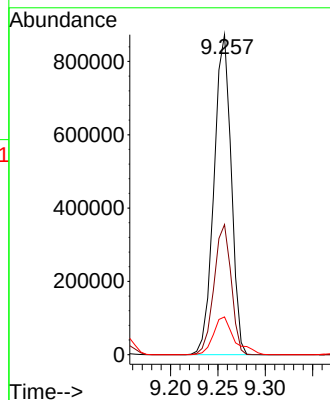
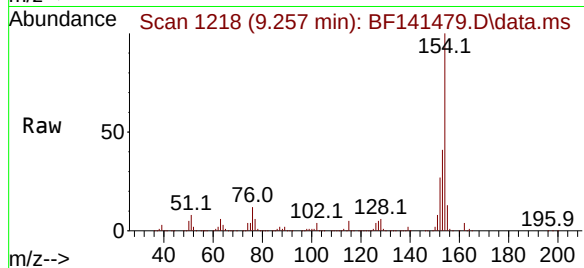
Tgt Ion:154 Resp: 1100720

Ion Ratio Lower Upper

154 100

153 40.7 20.4 60.4

76 11.8 0.0 30.8



#47

2-Chloronaphthalene

Concen: 76.929 ng

RT: 9.280 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

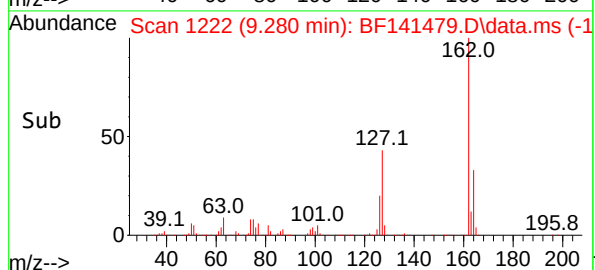
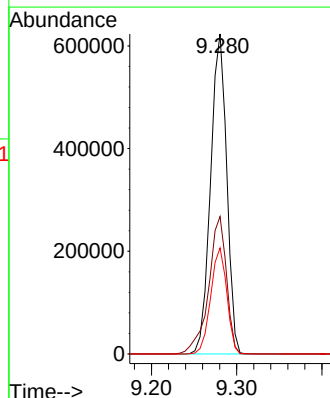
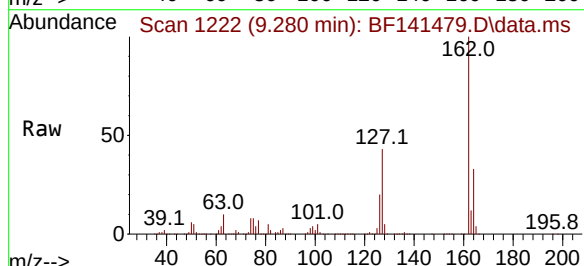
Tgt Ion:162 Resp: 821334

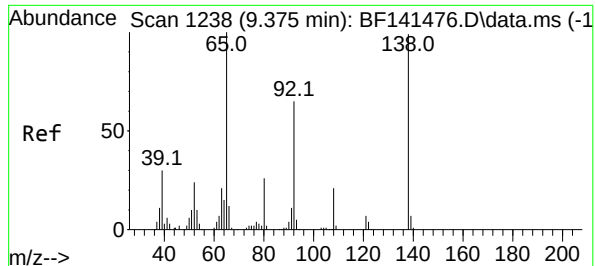
Ion Ratio Lower Upper

162 100

127 43.0 34.1 51.1

164 33.2 26.3 39.5

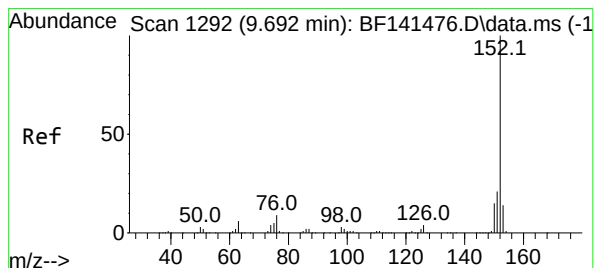
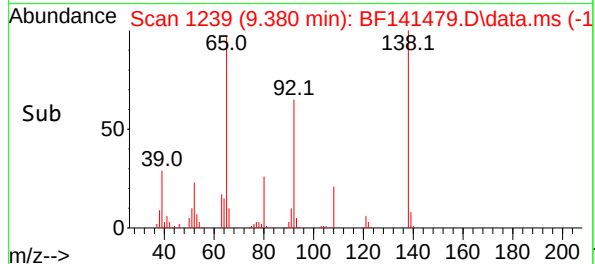
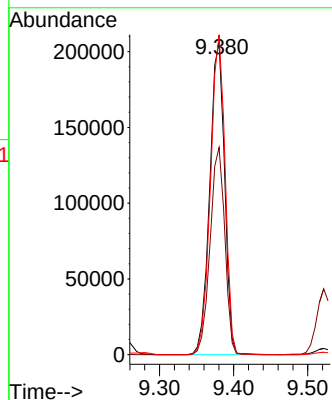
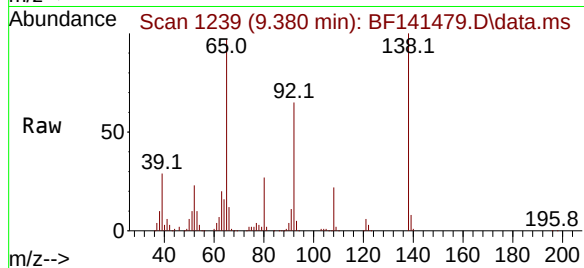




#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

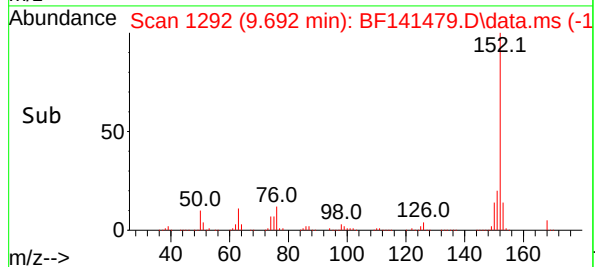
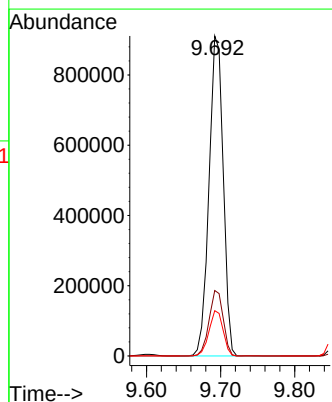
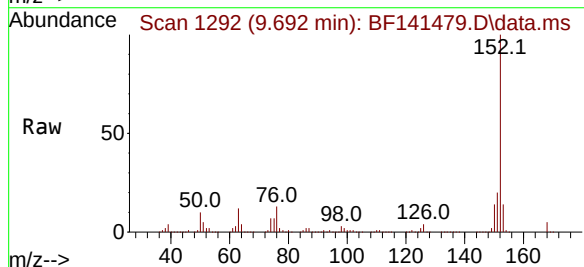
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

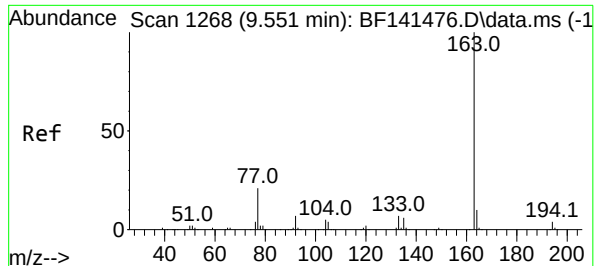
Tgt Ion: 65 Resp: 286532
Ion Ratio Lower Upper
65 100
92 66.4 52.2 78.2
138 102.6 79.5 119.3



#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 152 Resp: 1211515
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 14.1 10.9 16.3





#50

Dimethylphthalate

Concen: 79.265 ng

RT: 9.563 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

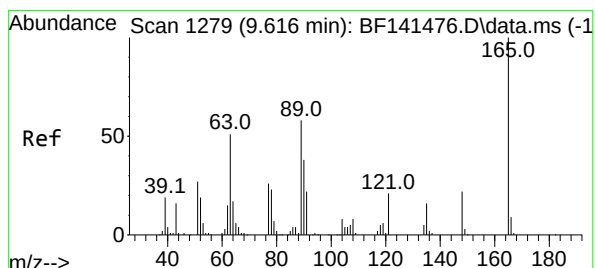
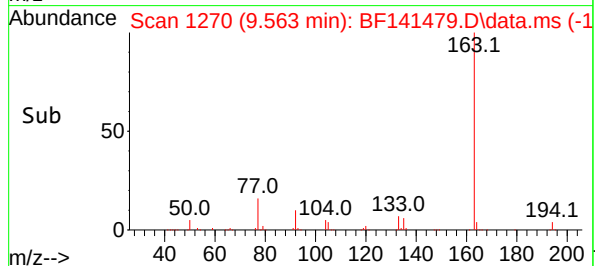
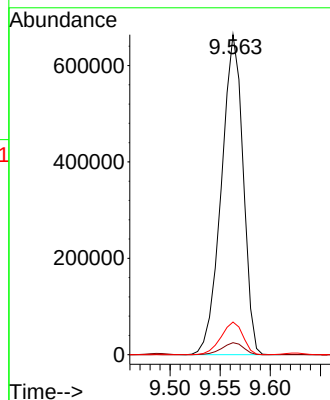
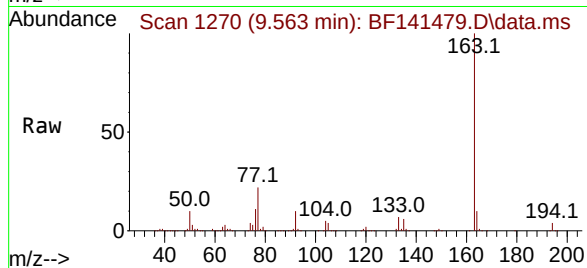
Tgt Ion:163 Resp: 1002121

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.2 7.9 11.9



#51

2,6-Dinitrotoluene

Concen: 78.101 ng

RT: 9.622 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

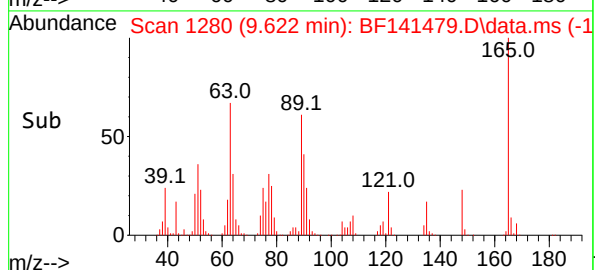
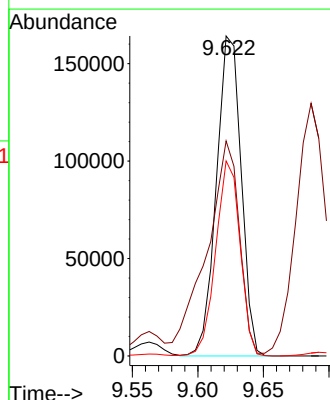
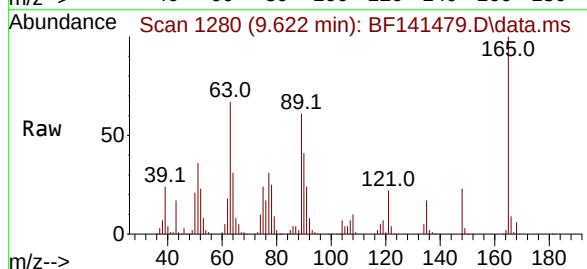
Tgt Ion:165 Resp: 215853

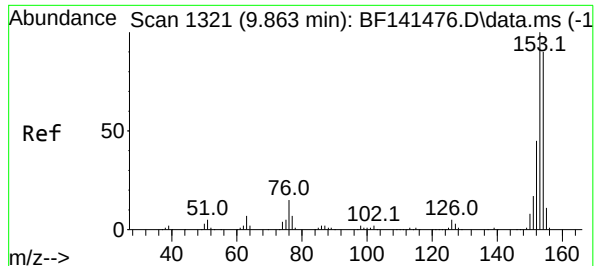
Ion Ratio Lower Upper

165 100

63 67.2 49.4 74.0

89 60.9 46.5 69.7





#52

Acenaphthene

Concen: 76.791 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

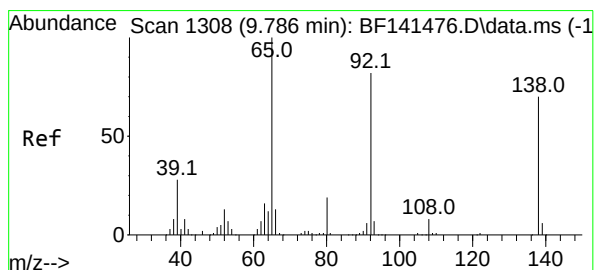
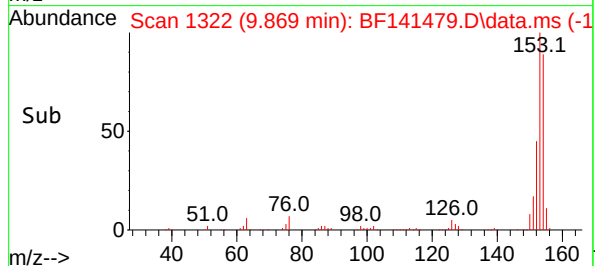
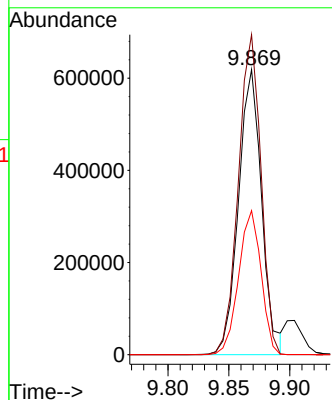
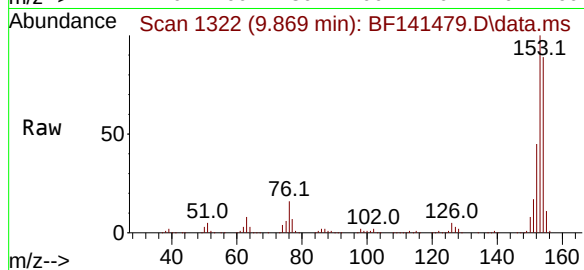
Tgt Ion:154 Resp: 819818

Ion Ratio Lower Upper

154 100

153 112.2 89.2 133.8

152 50.5 39.8 59.8



#53

3-Nitroaniline

Concen: 79.173 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

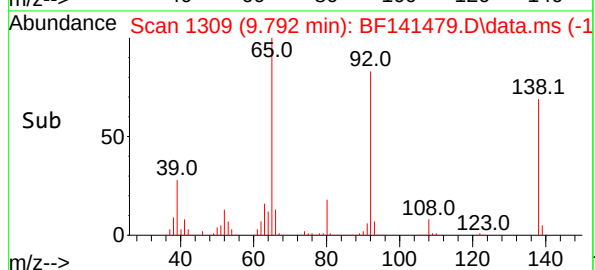
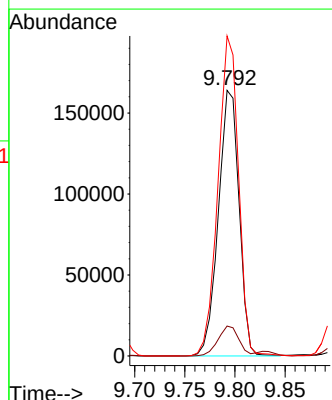
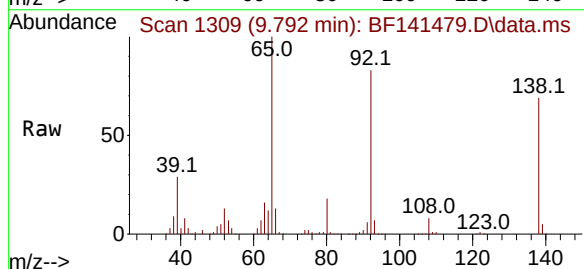
Tgt Ion:138 Resp: 235511

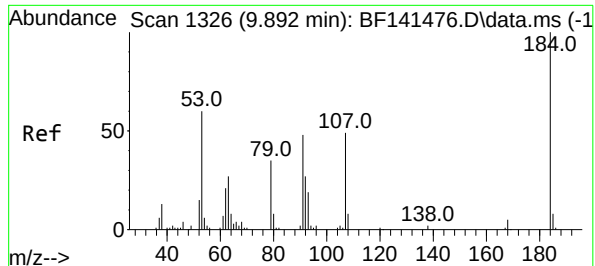
Ion Ratio Lower Upper

138 100

108 11.3 9.0 13.4

92 120.4 93.7 140.5





#54

2,4-Dinitrophenol

Concen: 89.960 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

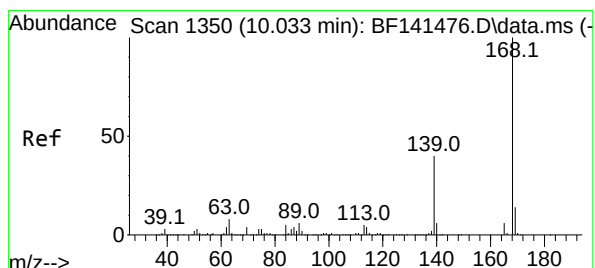
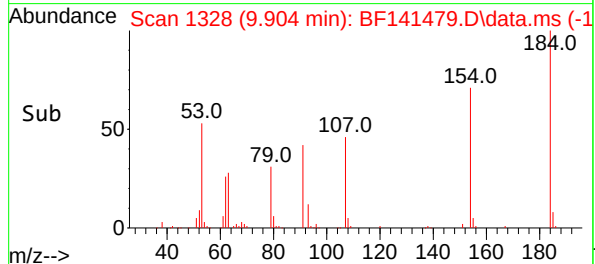
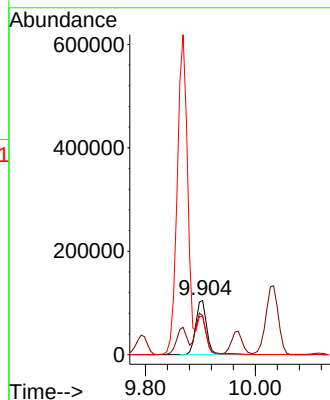
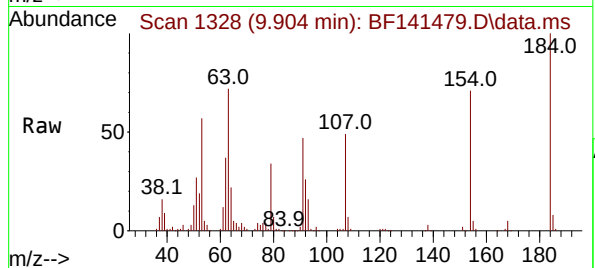
Tgt Ion:184 Resp: 147768

Ion Ratio Lower Upper

184 100

63 72.1 61.0 91.6

154 70.8 59.9 89.9



#55

Dibenzofuran

Concen: 74.928 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

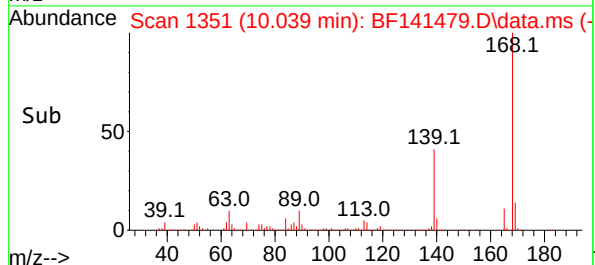
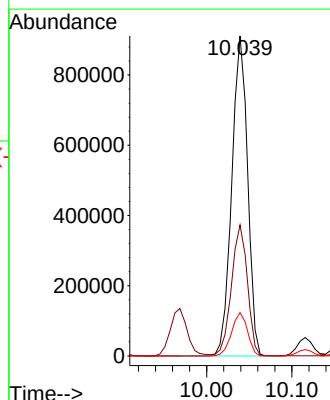
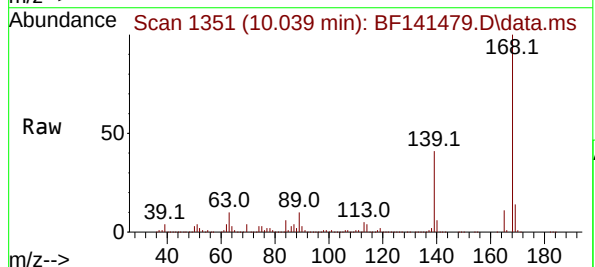
Tgt Ion:168 Resp: 1174157

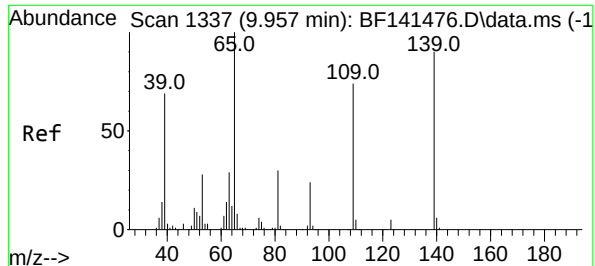
Ion Ratio Lower Upper

168 100

139 40.9 32.7 49.1

169 13.6 10.8 16.2





#56

4-Nitrophenol

Concen: 84.744 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

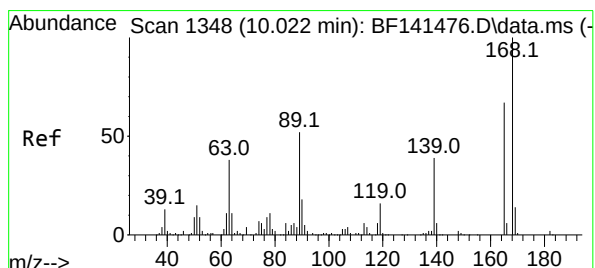
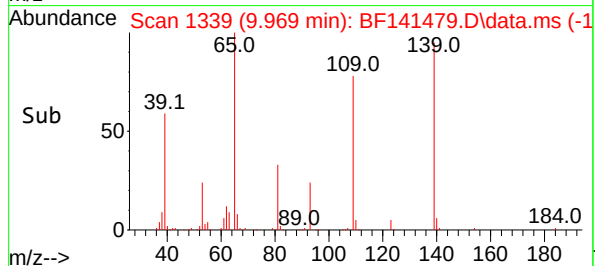
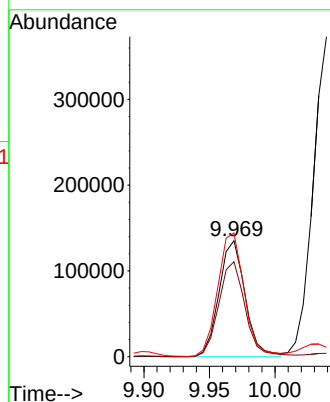
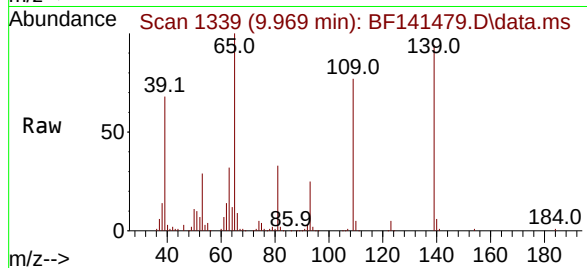
Tgt Ion:139 Resp: 187131

Ion Ratio Lower Upper

139 100

109 81.9 62.0 102.0

65 106.7 91.2 131.2



#57

2,4-Dinitrotoluene

Concen: 77.449 ng

RT: 10.027 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 284954

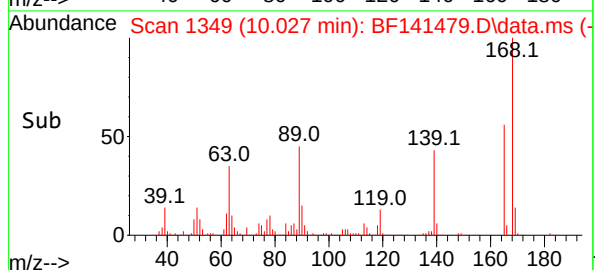
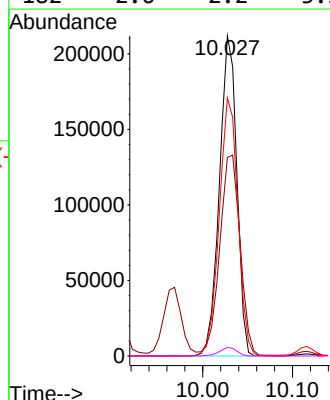
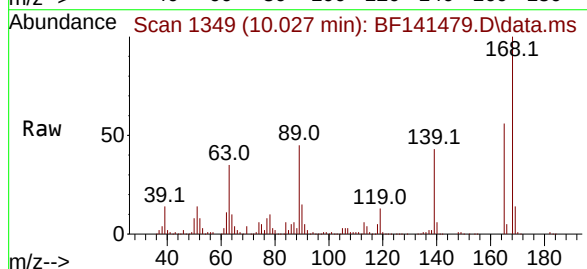
Ion Ratio Lower Upper

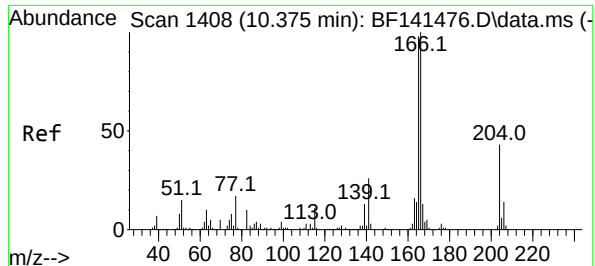
165 100

63 62.1 46.4 69.6

89 80.7 61.8 92.6

182 2.6 2.2 3.2

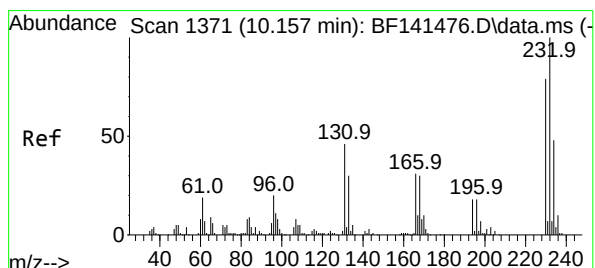
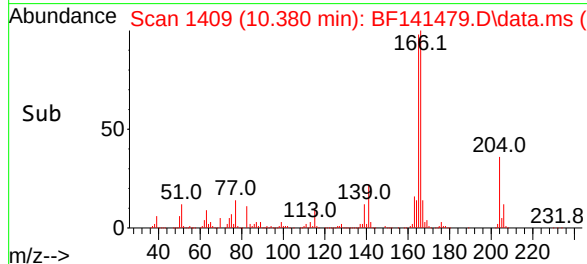
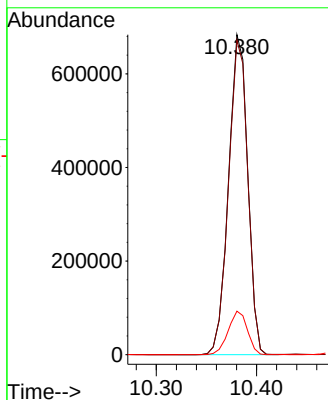
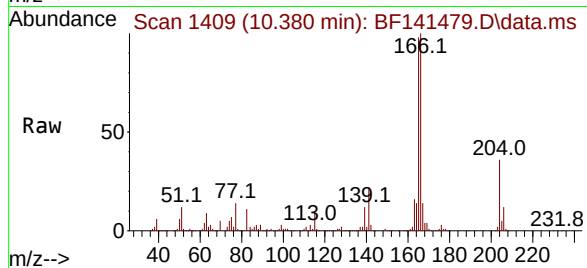




#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

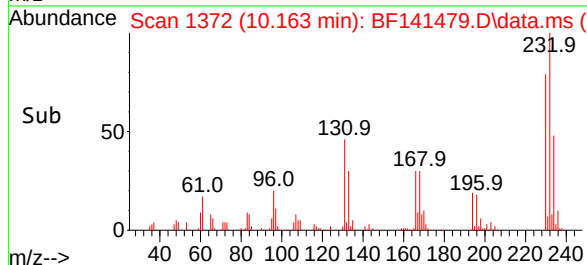
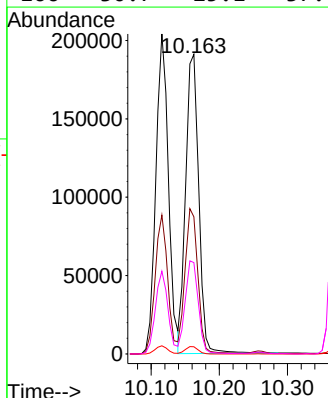
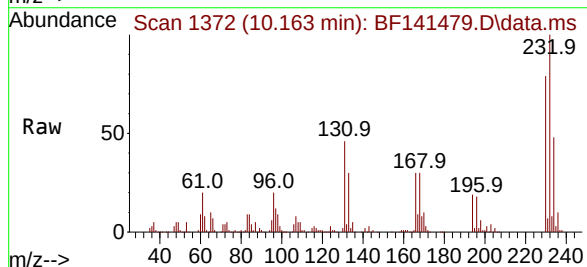
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

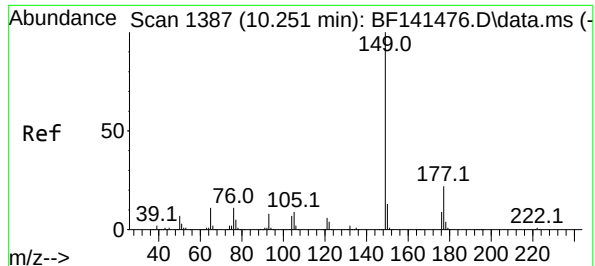
Tgt Ion:166 Resp: 909704
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.2
167 13.6 10.7 16.1



#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:232 Resp: 253454
Ion Ratio Lower Upper
232 100
131 47.1 39.2 58.8
130 2.4 2.1 3.1
166 30.7 25.1 37.7





#60

Diethylphthalate

Concen: 75.995 ng

RT: 10.257 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

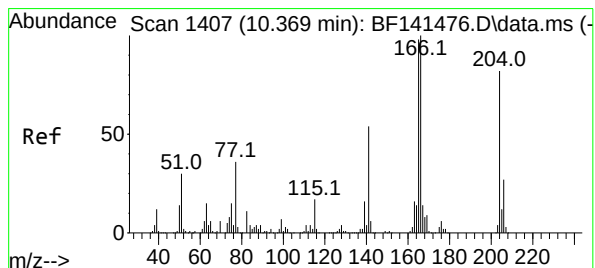
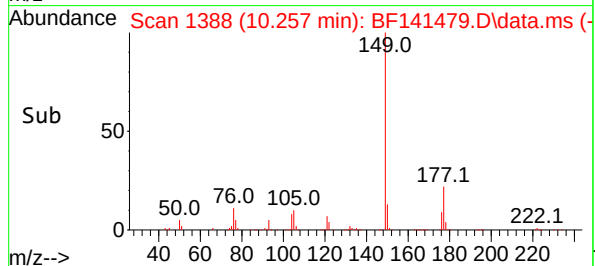
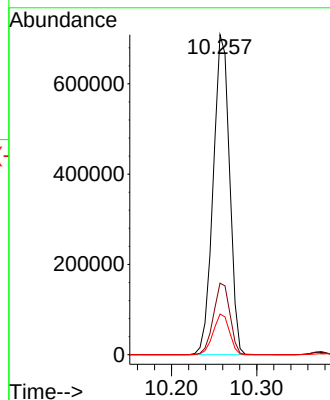
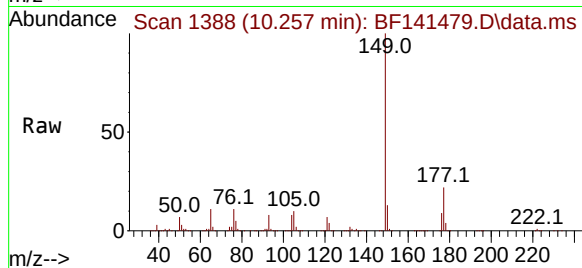
Tgt Ion:149 Resp: 945293

Ion Ratio Lower Upper

149 100

177 22.4 17.8 26.6

150 12.7 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 74.716 ng

RT: 10.374 min Scan# 1408

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

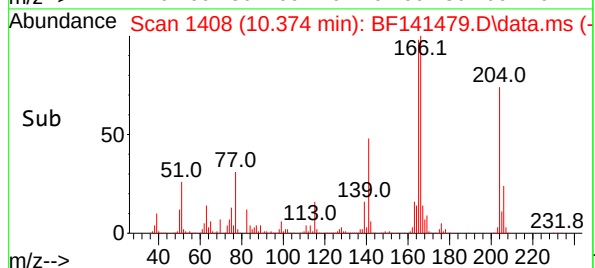
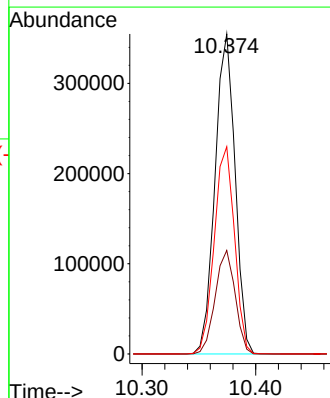
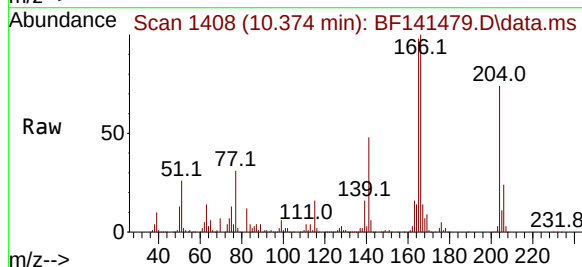
Tgt Ion:204 Resp: 435522

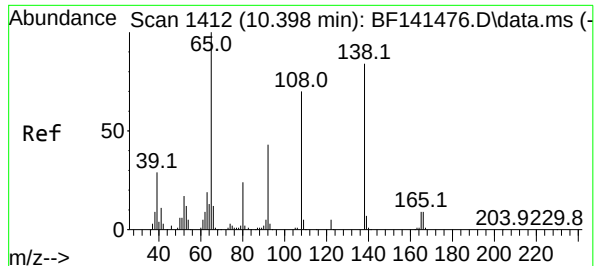
Ion Ratio Lower Upper

204 100

206 32.4 26.6 40.0

141 64.8 51.9 77.9





#62

4-Nitroaniline

Concen: 79.873 ng

RT: 10.416 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

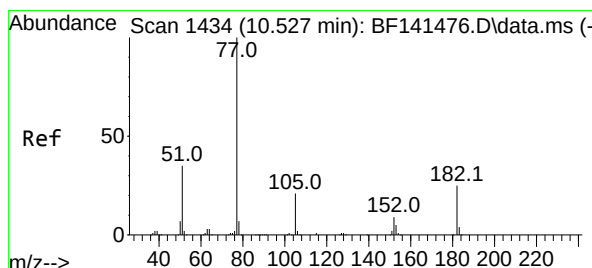
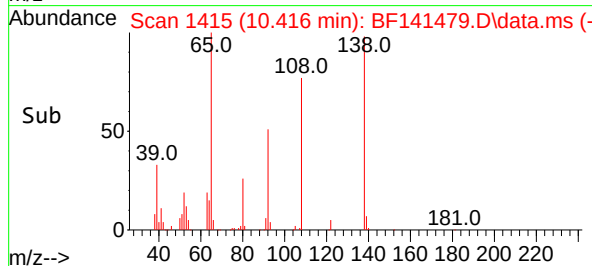
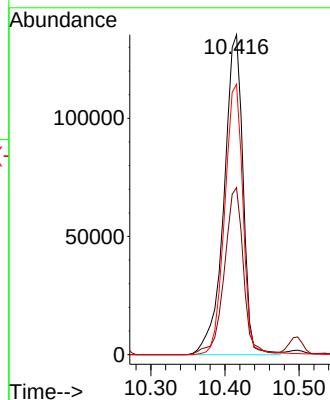
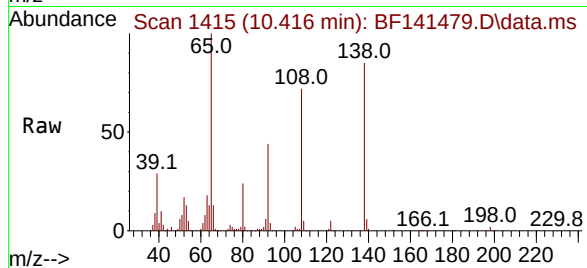
Tgt Ion:138 Resp: 241257

Ion Ratio Lower Upper

138 100

92 52.2 31.3 71.3

108 84.5 63.7 103.7



#63

Azobenzene

Concen: 77.931 ng

RT: 10.533 min Scan# 1435

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 77 Resp: 963689

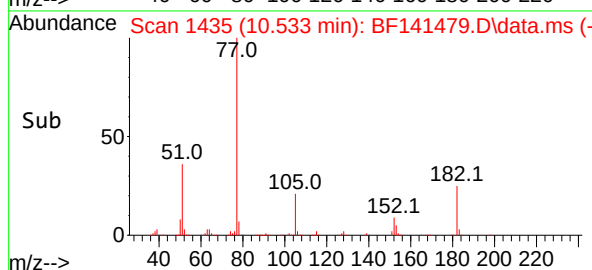
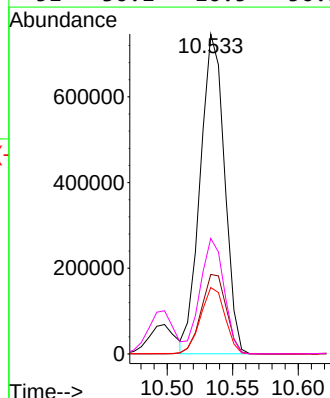
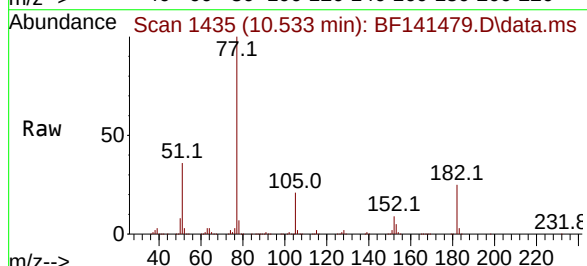
Ion Ratio Lower Upper

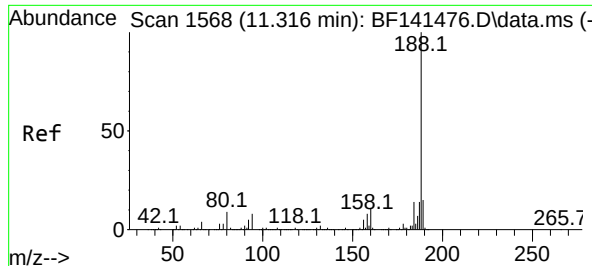
77 100

182 24.9 4.7 44.7

105 20.8 0.4 40.4

51 36.1 16.5 56.5

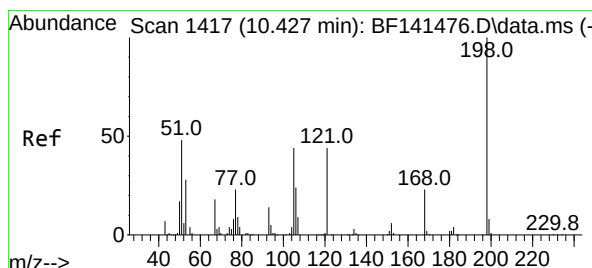
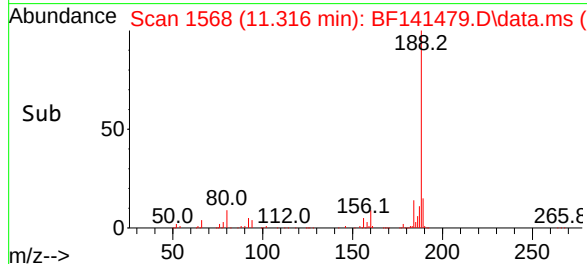
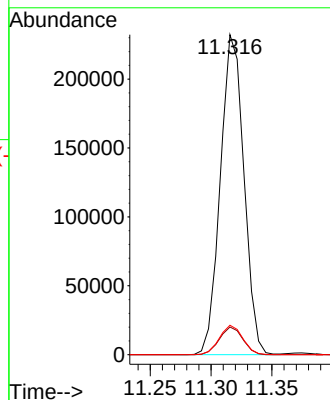
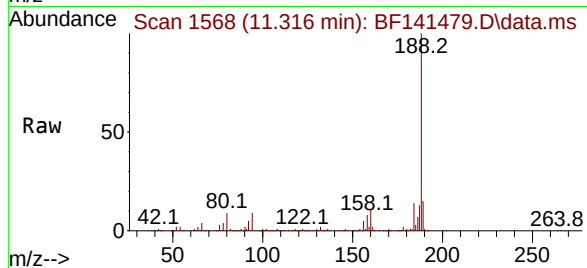




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

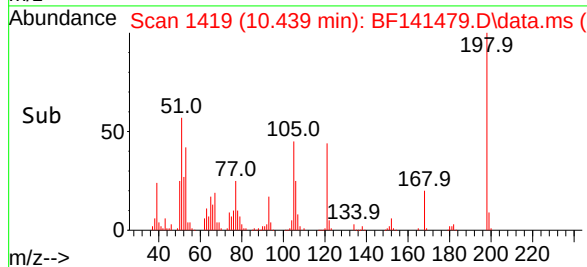
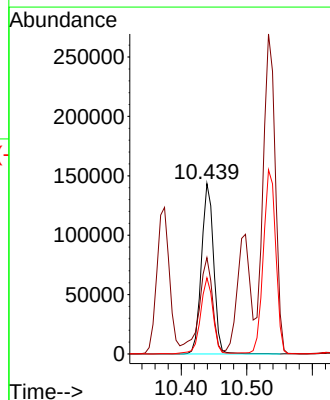
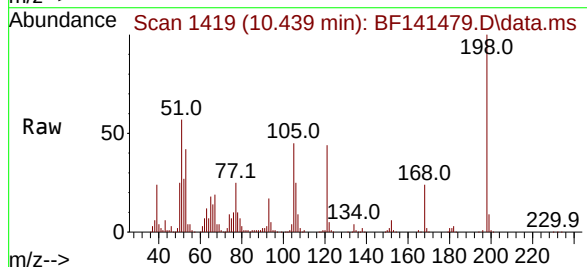
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

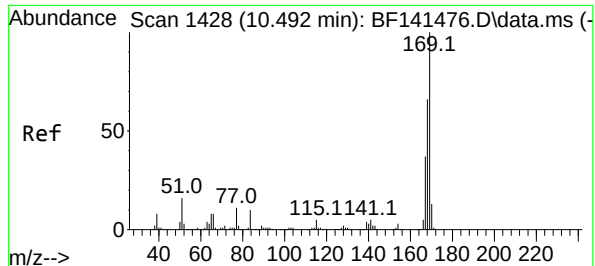
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9



#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.6	37.4	77.4
105	44.7	25.2	65.2

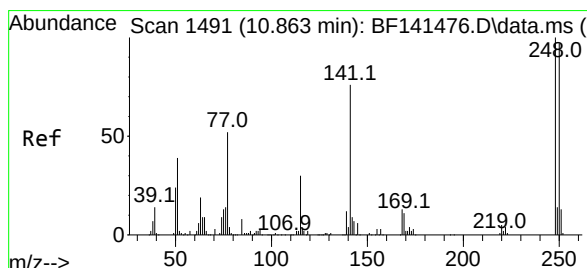
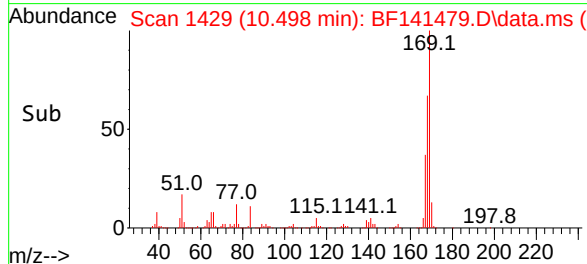
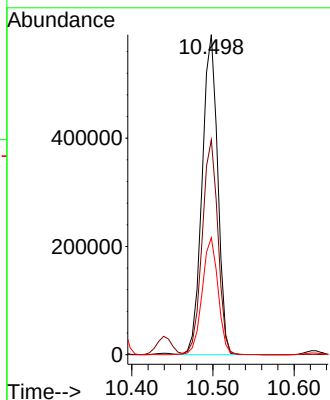
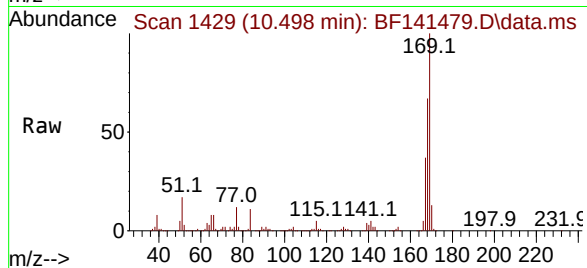




#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

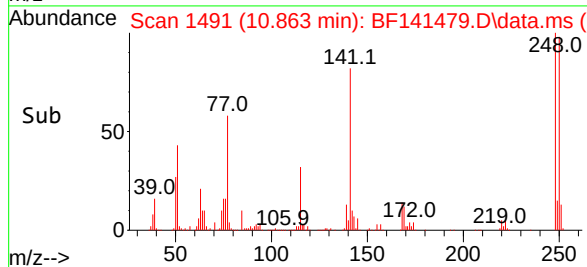
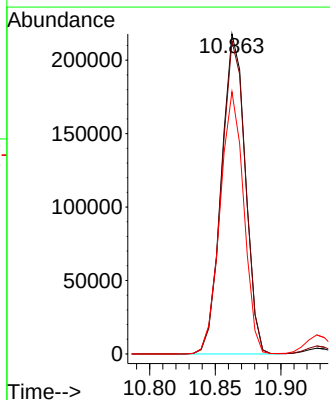
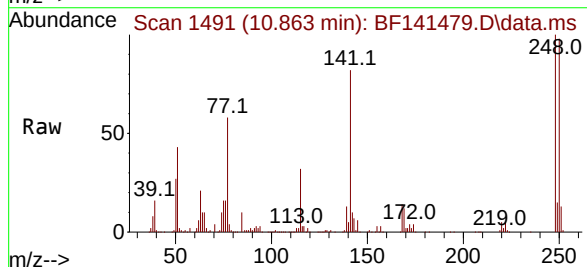
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

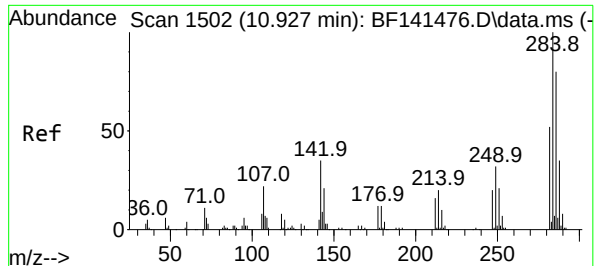
Tgt Ion:169 Resp: 785313
Ion Ratio Lower Upper
169 100
168 67.2 53.3 79.9
167 36.6 29.4 44.2



#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:248 Resp: 276228
Ion Ratio Lower Upper
248 100
250 97.8 77.8 116.6
141 81.9 60.6 90.8





#68

Hexachlorobenzene

Concen: 79.174 ng

RT: 10.927 min Scan# 1502

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

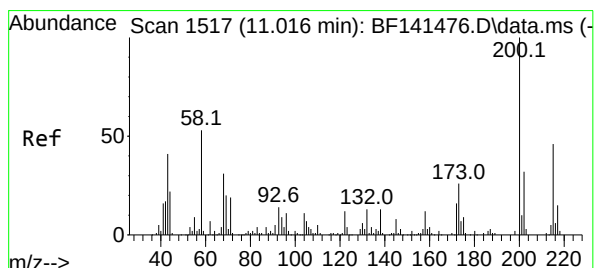
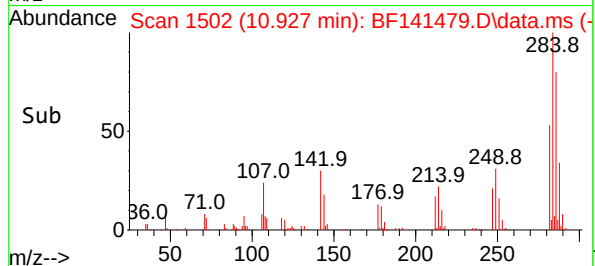
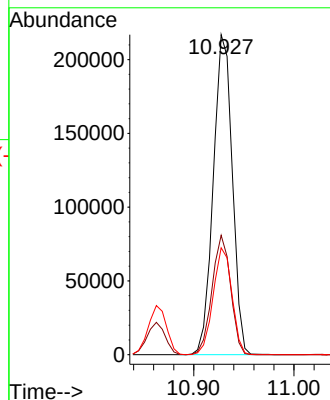
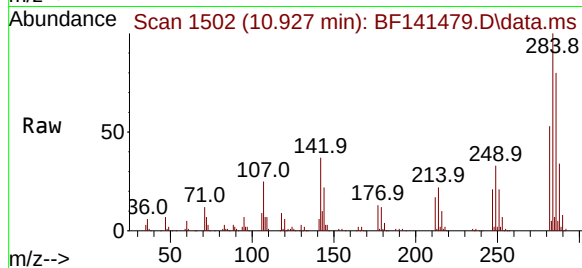
Tgt Ion:284 Resp: 285111

Ion Ratio Lower Upper

284 100

142 37.3 28.0 42.0

249 33.4 25.8 38.8



#69

Atrazine

Concen: 73.188 ng

RT: 11.021 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

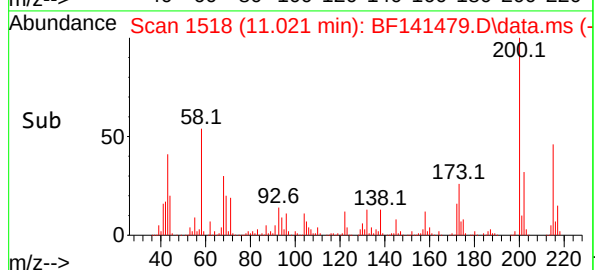
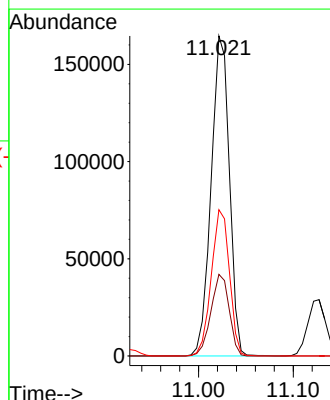
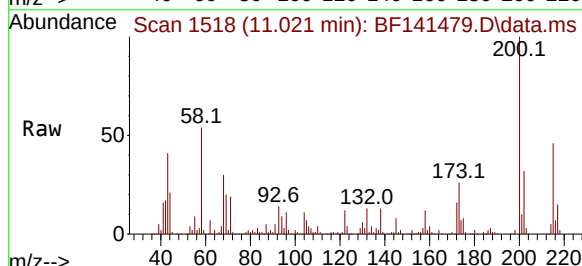
Tgt Ion:200 Resp: 219923

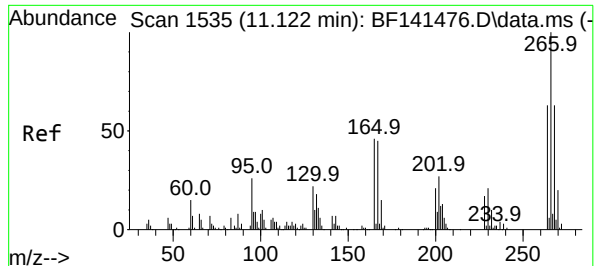
Ion Ratio Lower Upper

200 100

173 25.5 5.9 45.9

215 45.7 25.9 65.9





#70

Pentachlorophenol

Concen: 87.100 ng

RT: 11.127 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

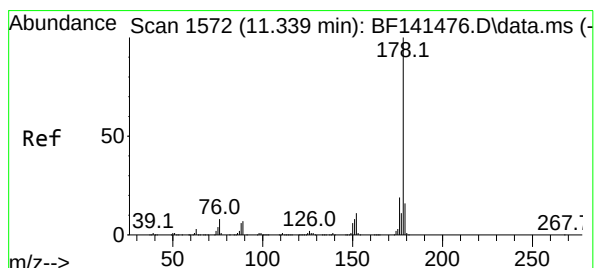
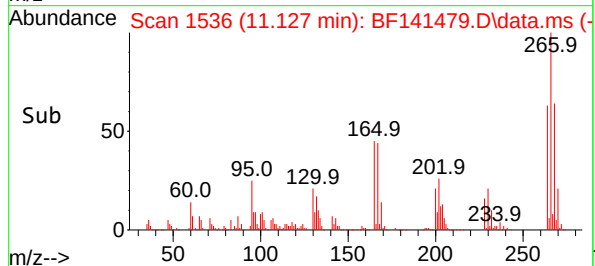
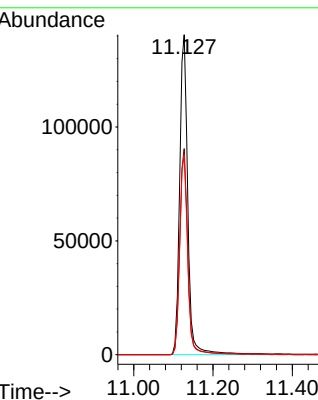
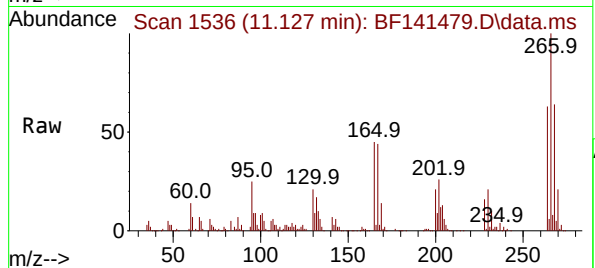
Tgt Ion:266 Resp: 200556

Ion Ratio Lower Upper

266 100

268 64.4 50.1 75.1

264 62.5 50.1 75.1



#71

Phenanthrene

Concen: 76.201 ng

RT: 11.345 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

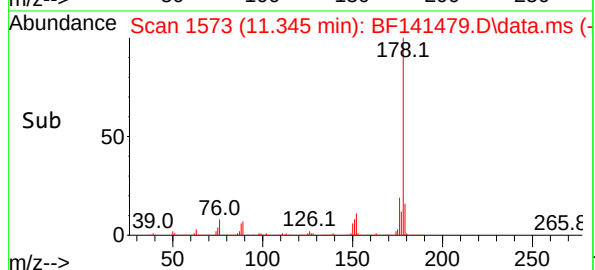
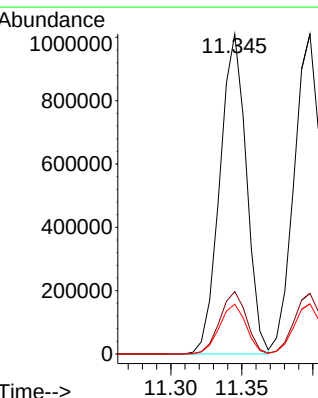
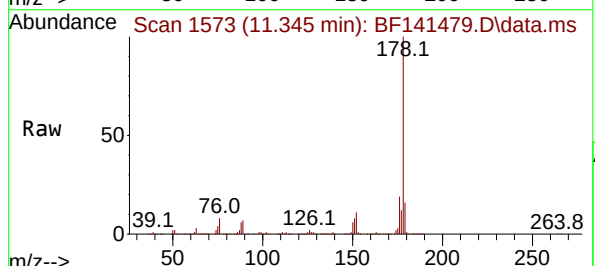
Tgt Ion:178 Resp: 1312474

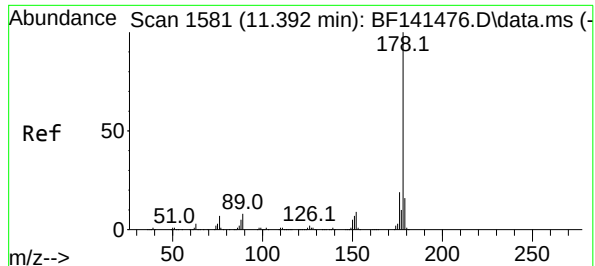
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.6 12.4 18.6

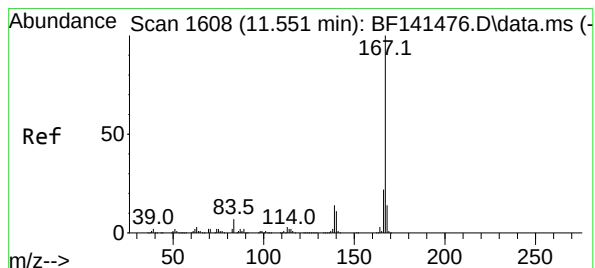
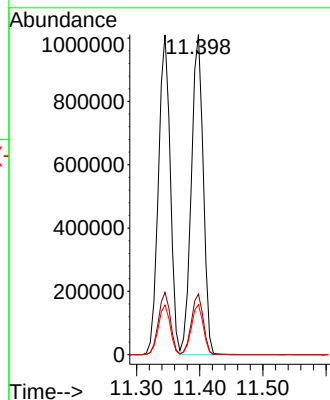
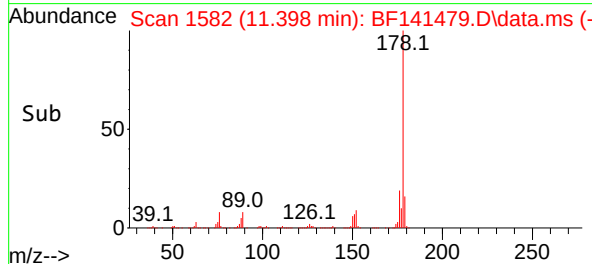
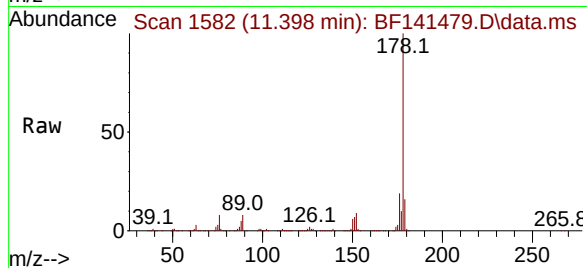




#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

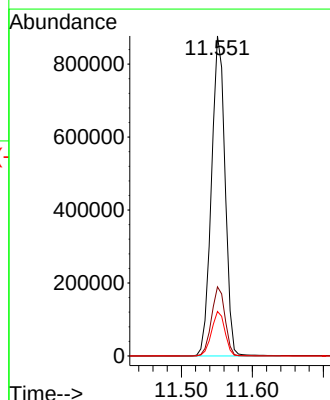
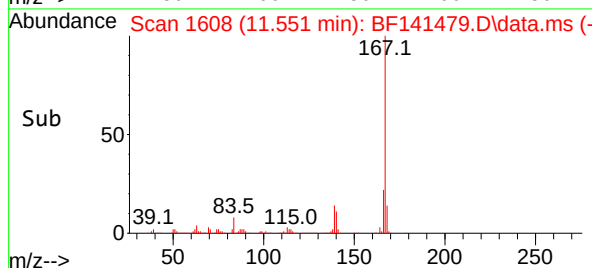
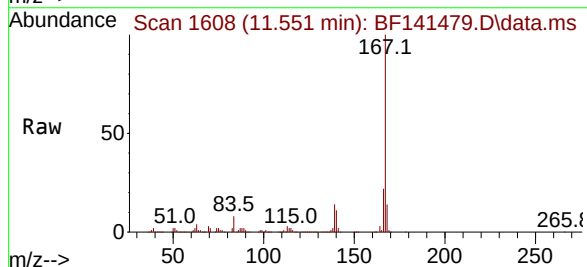
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

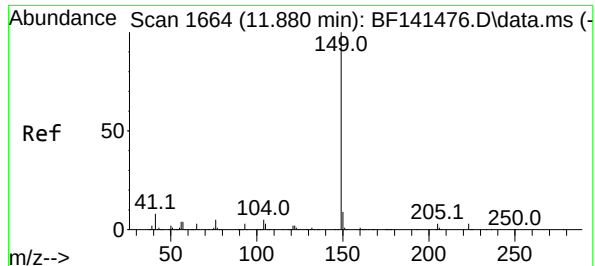
Tgt Ion:178 Resp: 1322462
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 15.6 12.4 18.6



#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:167 Resp: 1168253
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.9 10.9 16.3

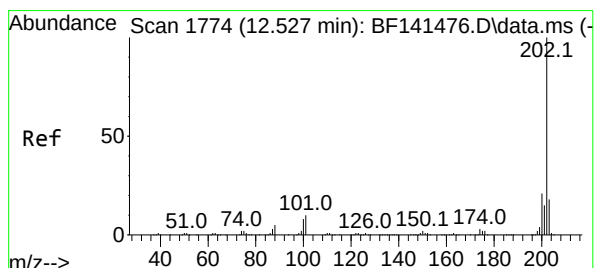
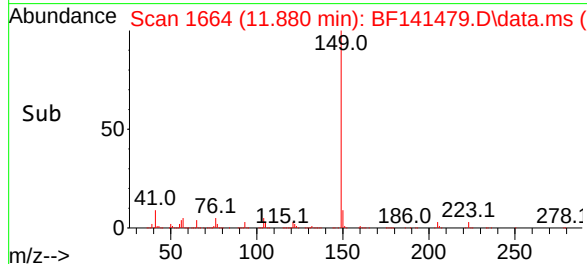
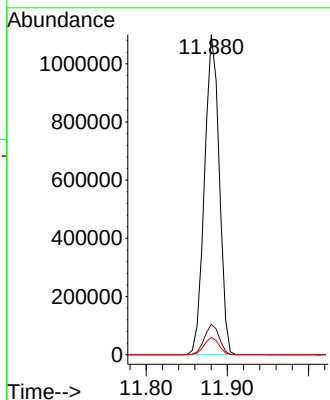
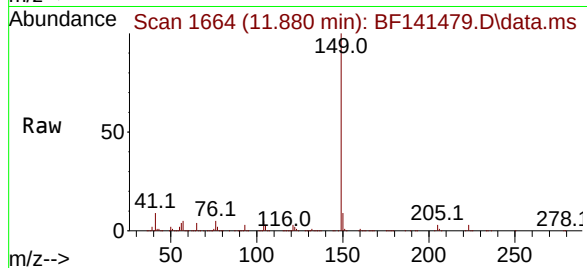




#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

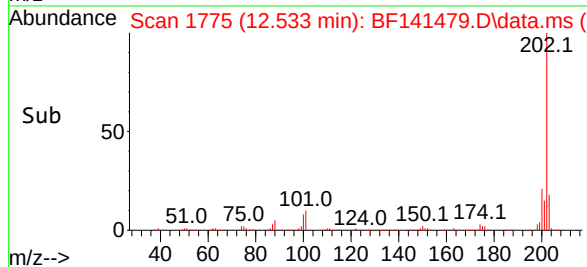
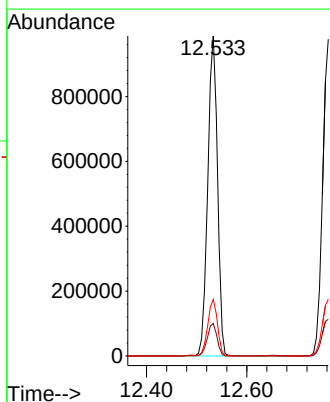
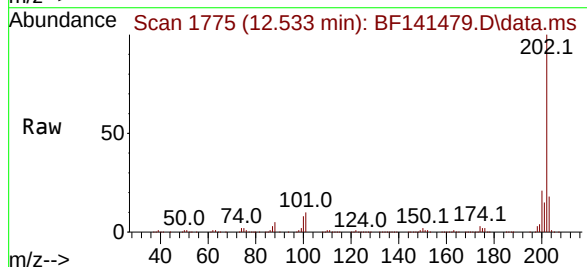
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

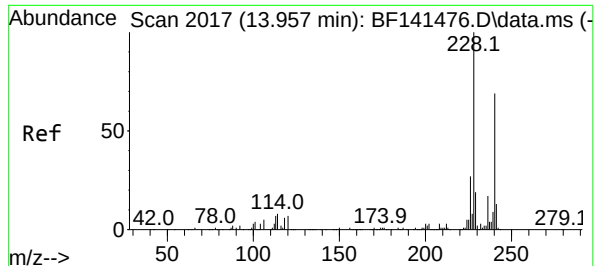
Tgt Ion:149 Resp: 1382706
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.4 4.2 6.2



#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:202 Resp: 1333237
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.6 0.0 37.6

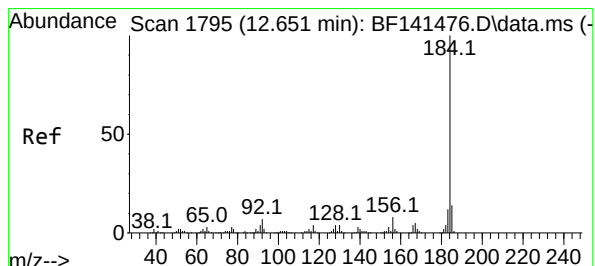
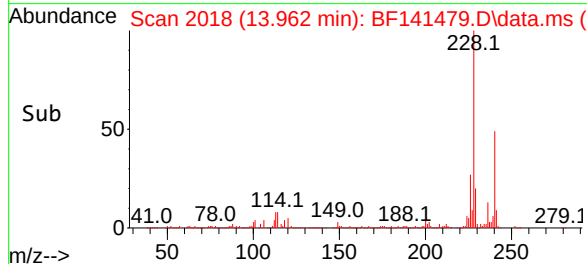
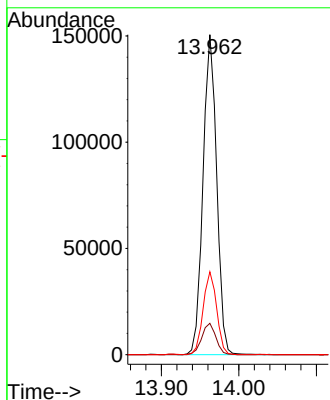
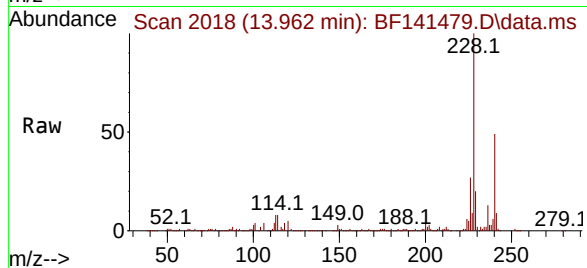




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

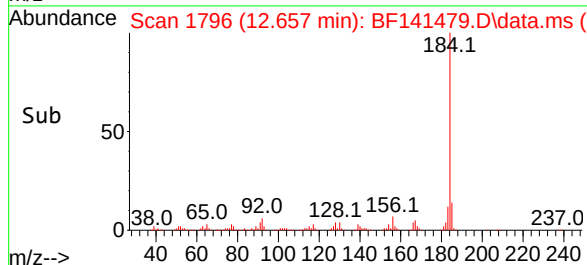
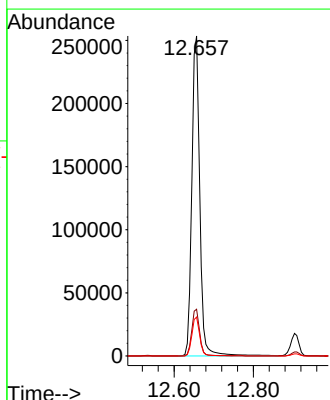
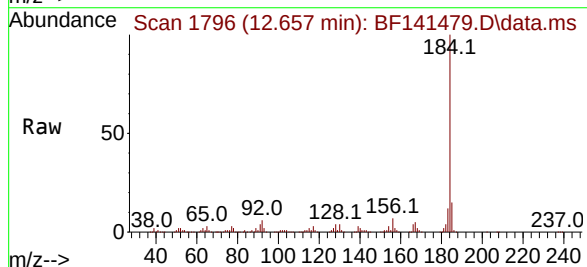
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

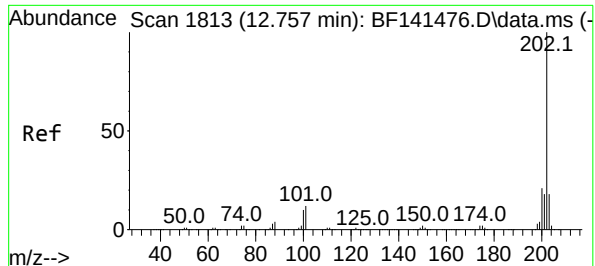
Tgt Ion:240 Resp: 184347
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.9 19.8 29.8



#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:184 Resp: 354555
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 12.1 9.3 13.9

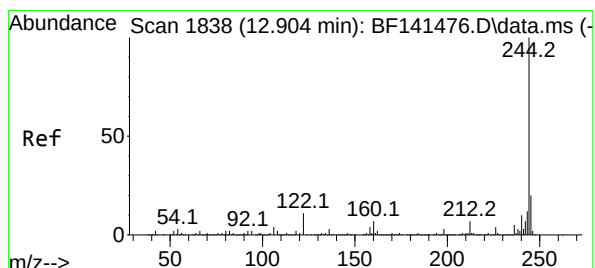
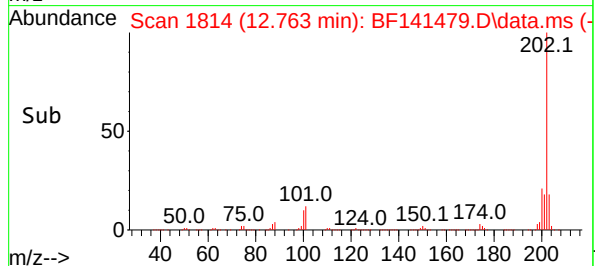
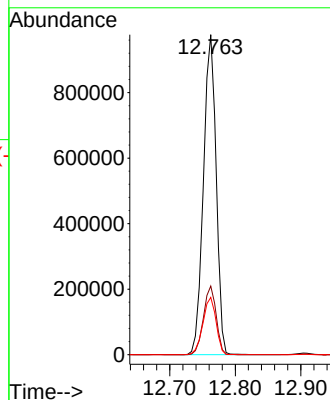
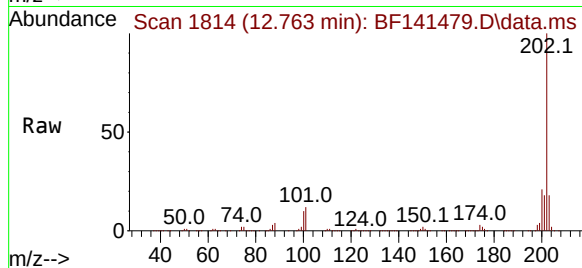




#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

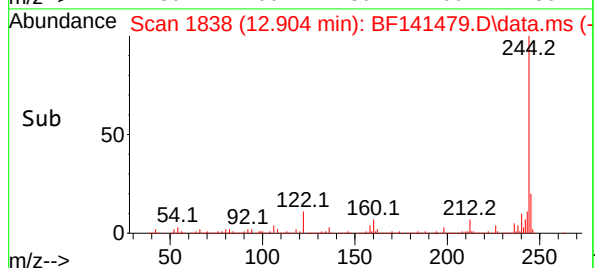
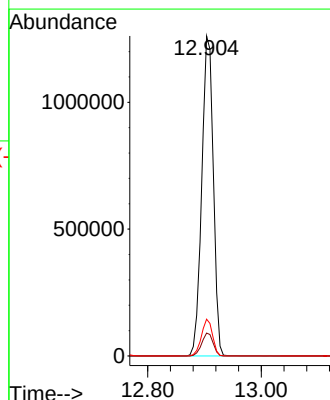
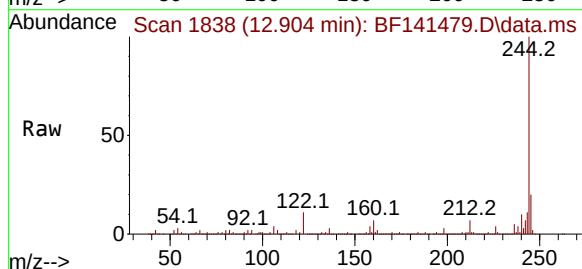
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

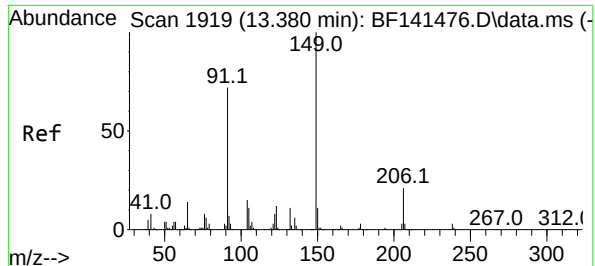
Tgt Ion:202 Resp: 1319554
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.9 14.3 21.5



#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:244 Resp: 1781602
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.5 8.4 12.6

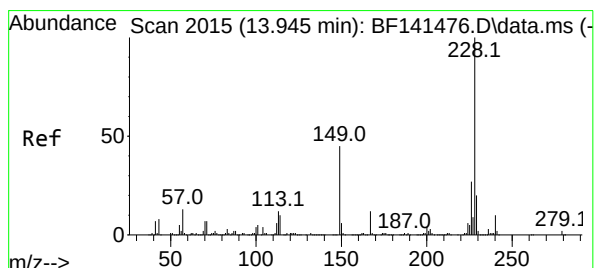
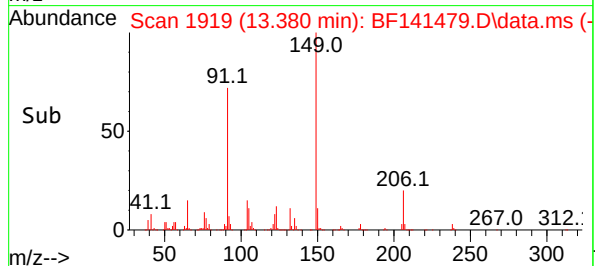
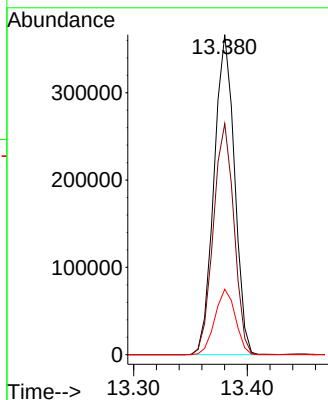
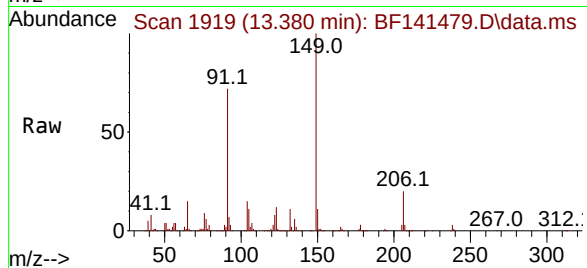




#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

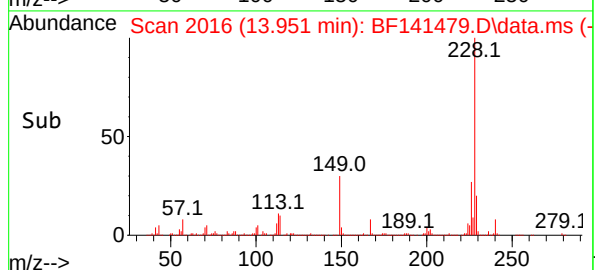
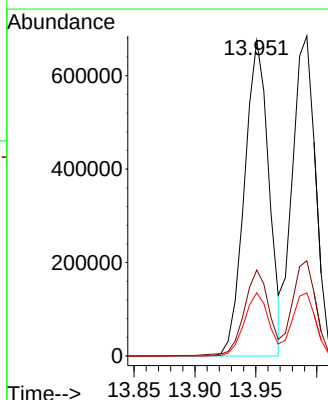
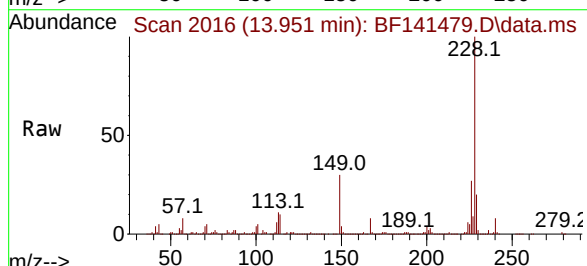
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

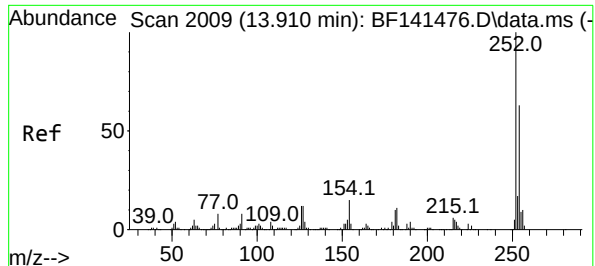
Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	20.4	16.7	25.1



#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.8	23.6





#82

3,3'-Dichlorobenzidine

Concen: 75.143 ng

RT: 13.915 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

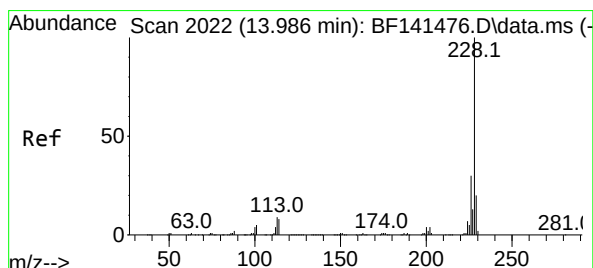
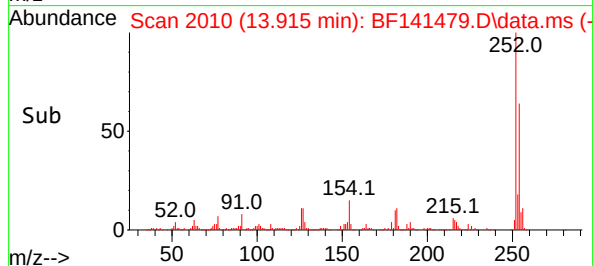
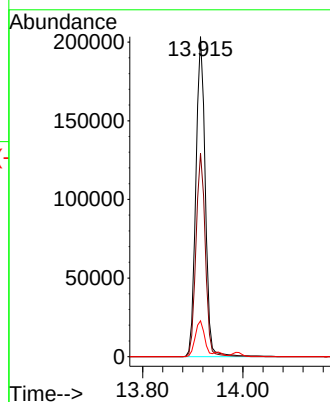
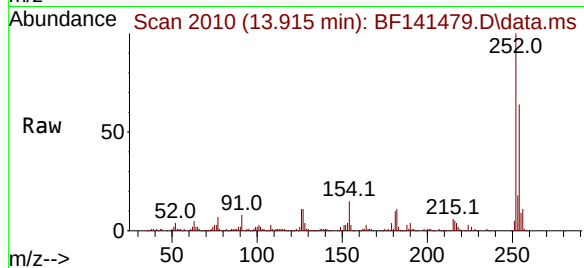
Tgt Ion:252 Resp: 263773

Ion Ratio Lower Upper

252 100

254 63.6 50.6 76.0

126 11.2 9.3 13.9



#83

Chrysene

Concen: 80.108 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

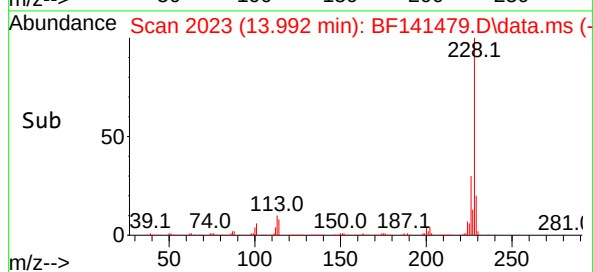
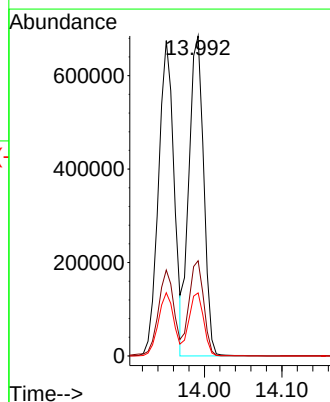
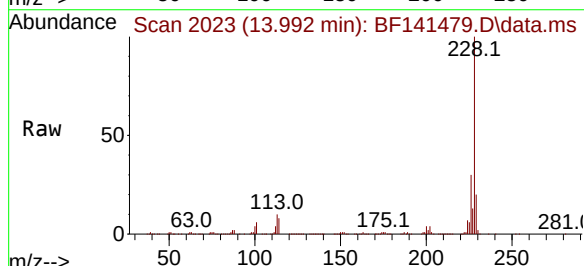
Tgt Ion:228 Resp: 906415

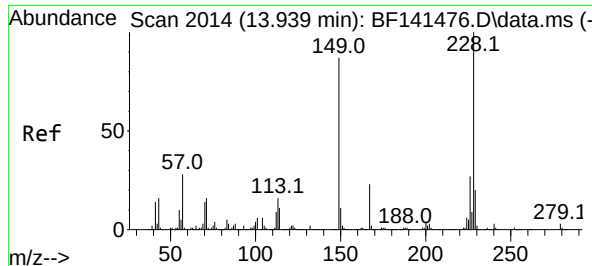
Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 19.7 15.7 23.5

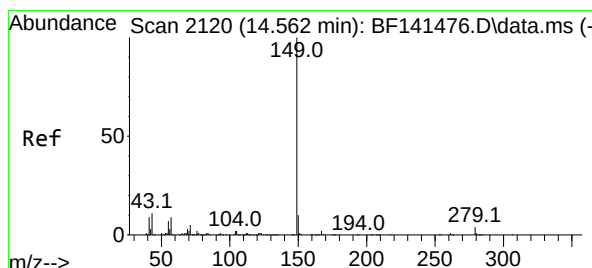
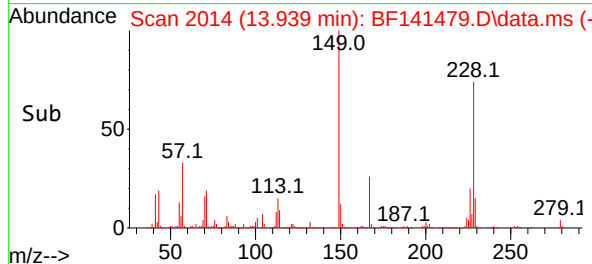
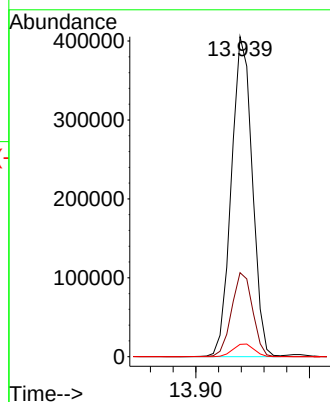
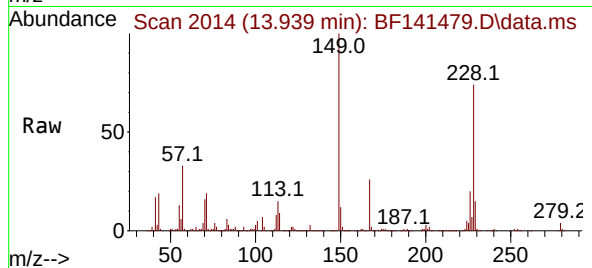




#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

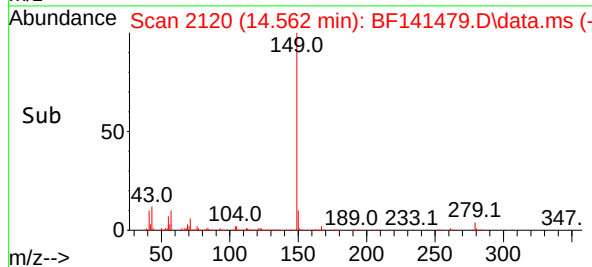
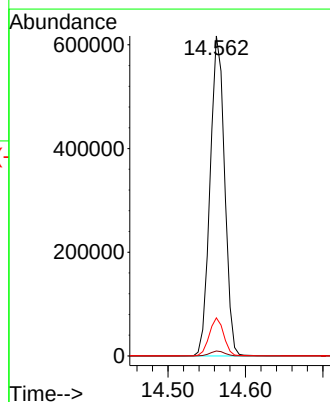
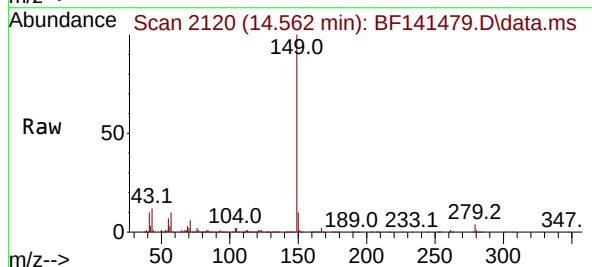
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

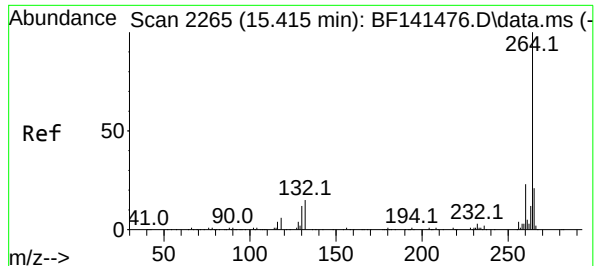
Tgt Ion:149 Resp: 517884
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 3.9 3.1 4.7



#85
Di-n-octyl phthalate
Concen: 91.886 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:149 Resp: 803601
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.8 9.5 14.3

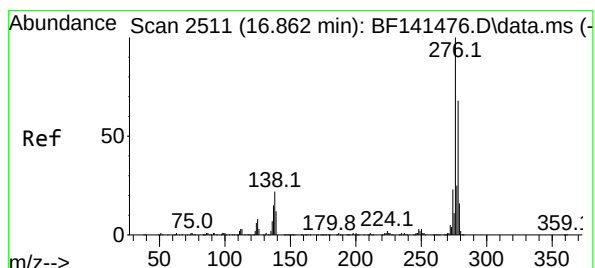
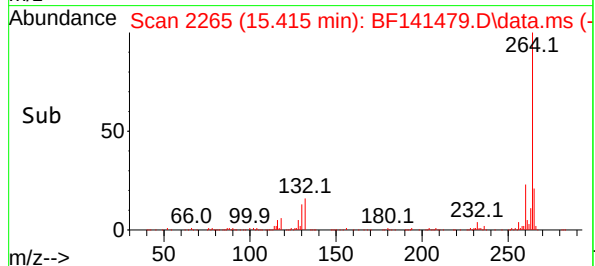
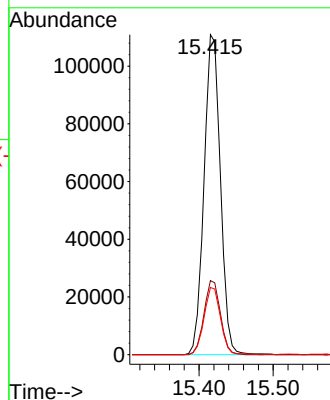
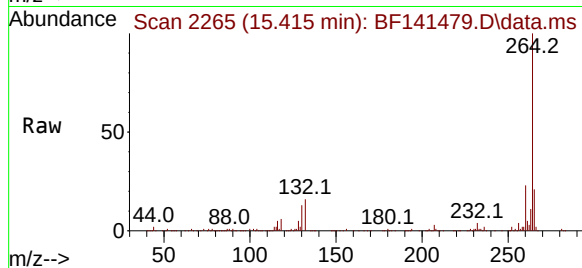




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

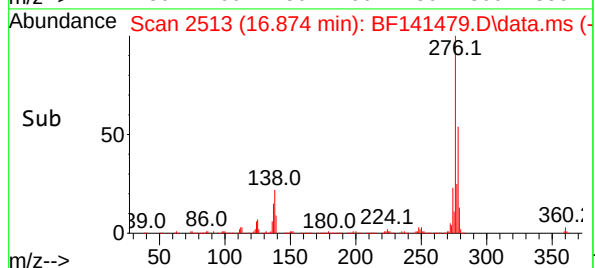
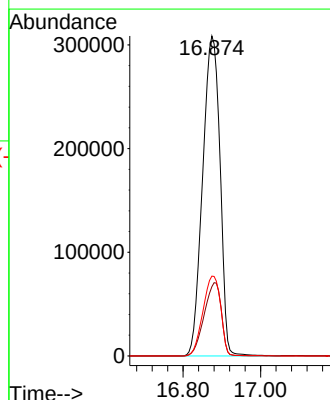
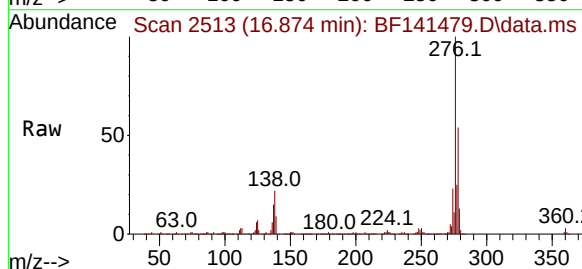
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

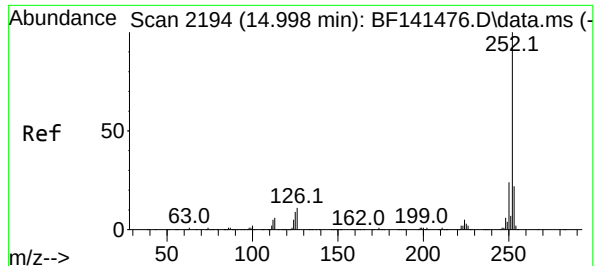
Tgt Ion:264 Resp: 170605
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.0 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:276 Resp: 961023
Ion Ratio Lower Upper
276 100
138 22.7 18.0 27.0
277 25.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 75.529 ng

RT: 15.004 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

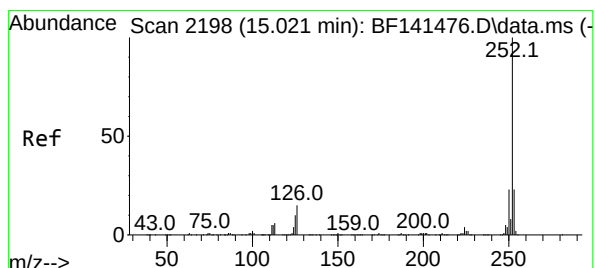
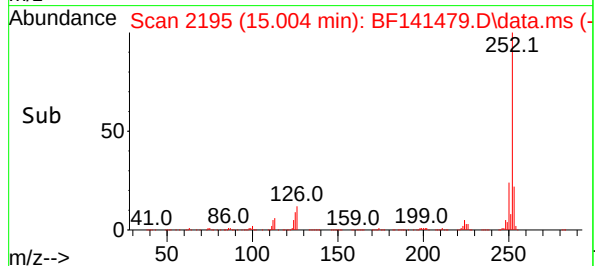
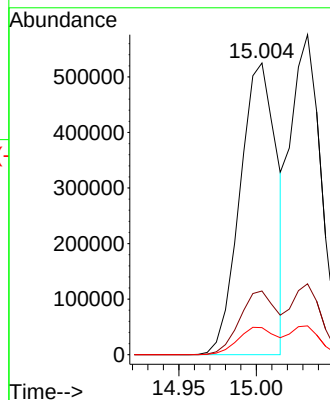
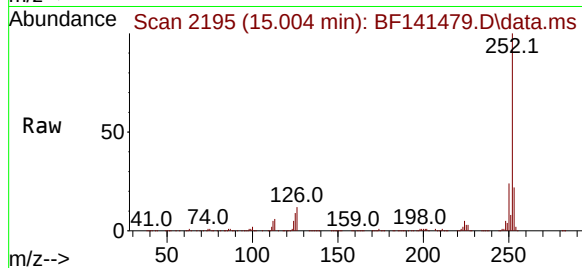
Tgt Ion:252 Resp: 865205

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.3 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 79.364 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

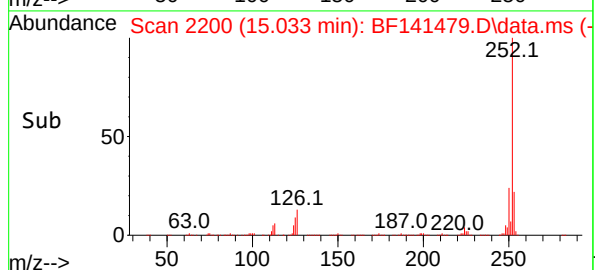
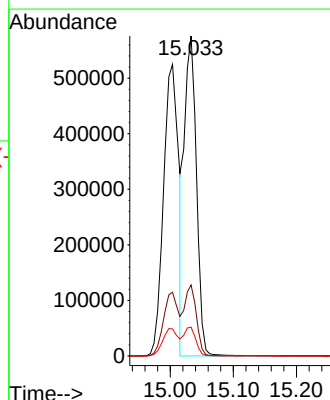
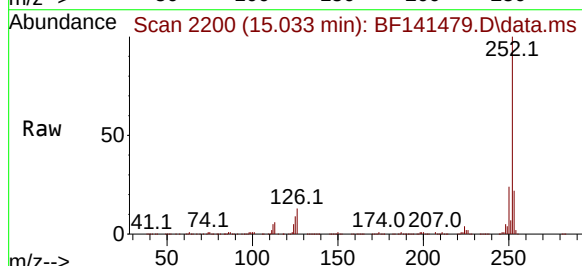
Tgt Ion:252 Resp: 776323

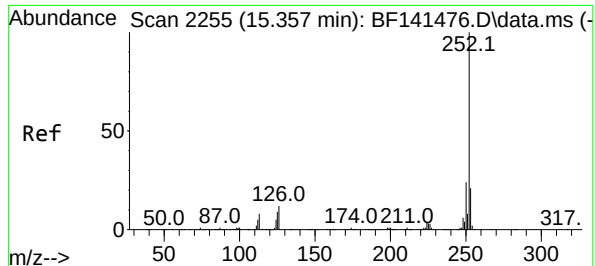
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 9.0 7.4 11.0





#90

Benzo(a)pyrene

Concen: 80.150 ng

RT: 15.362 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

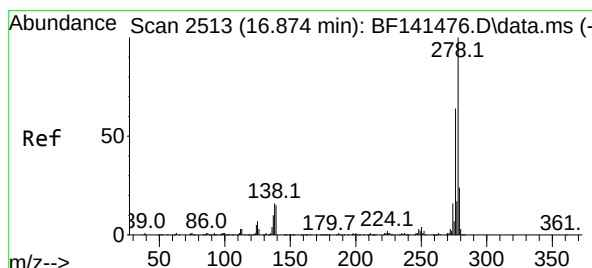
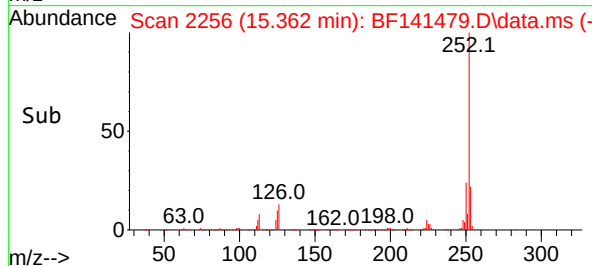
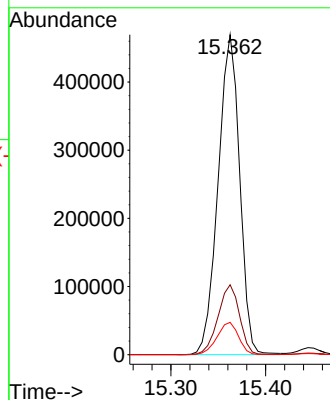
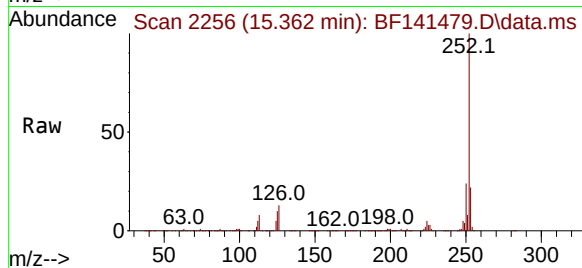
Tgt Ion:252 Resp: 742932

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 10.1 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 90.578 ng

RT: 16.892 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

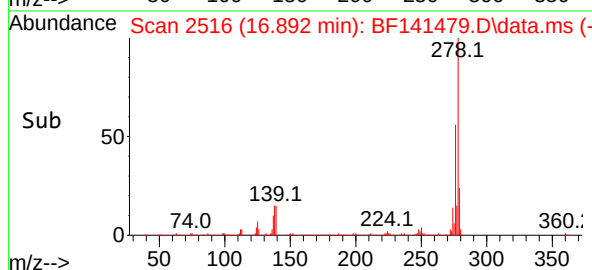
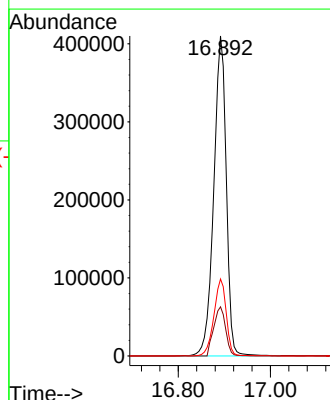
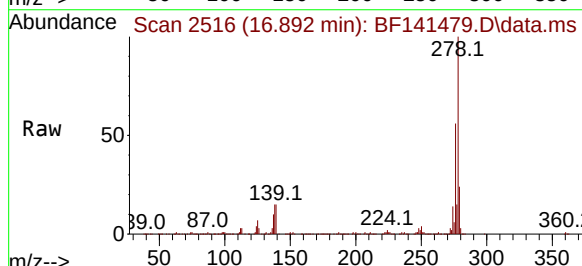
Tgt Ion:278 Resp: 773684

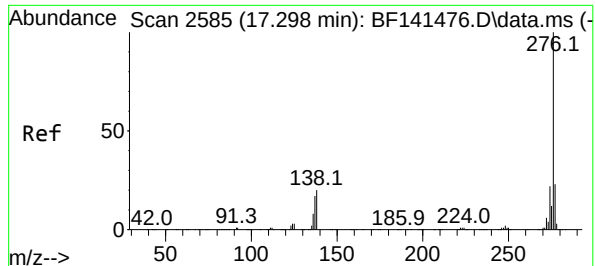
Ion Ratio Lower Upper

278 100

139 15.3 11.8 17.6

279 24.1 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 93.015 ng

RT: 17.315 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141479.D

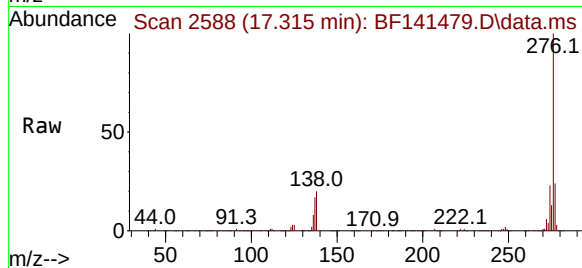
Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



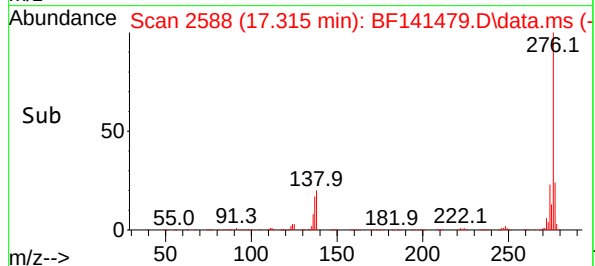
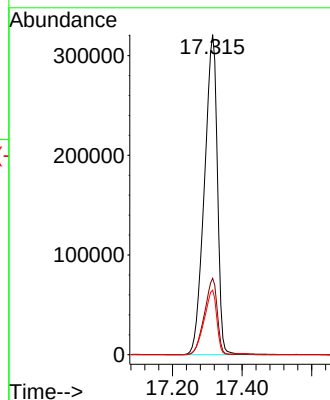
Tgt Ion:276 Resp: 831418

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.2 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF020625

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90009	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	362467	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	197991	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	337289	20.000	ng	0.00
76) Chrysene-d12	13.963	240	252530	20.000	ng	0.00
86) Perylene-d12	15.427	264	199389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	470176	81.894	ng	0.00
7) Phenol-d6	6.428	99	586892	80.878	ng	-0.01
23) Nitrobenzene-d5	7.357	82	544613	78.369	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	158098	79.490	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1012492	78.786	ng	0.00
79) Terphenyl-d14	12.904	244	1133126	75.750	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.475	88	93282	40.369	ng	99
3) Pyridine	3.205	79	230604	41.938	ng	99
4) n-Nitrosodimethylamine	3.158	42	151656	41.653	ng	97
6) Aniline	6.451	93	284762	41.834	ng	92
8) 2-Chlorophenol	6.575	128	251415	40.527	ng	96
9) Benzaldehyde	6.340	77	154649	40.105	ng	99
10) Phenol	6.446	94	306753	40.615	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	226152	39.866	ng	100
12) 1,3-Dichlorobenzene	6.728	146	264052	40.317	ng	98
13) 1,4-Dichlorobenzene	6.804	146	267068	39.911	ng	99
14) 1,2-Dichlorobenzene	6.957	146	250623	40.354	ng	99
15) Benzyl Alcohol	6.934	79	228379	41.041	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	393626	40.535	ng	98
17) 2-Methylphenol	7.051	107	197905	40.768	ng	99
18) Hexachloroethane	7.298	117	101687	41.061	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	173832	40.048	ng	100
20) 3+4-Methylphenols	7.204	107	247254	40.073	ng	98
22) Acetophenone	7.198	105	353867	39.246	ng	100
24) Nitrobenzene	7.375	77	267193	39.429	ng	100
25) Isophorone	7.610	82	440640	39.767	ng	100
26) 2-Nitrophenol	7.687	139	136248	40.413	ng	98
27) 2,4-Dimethylphenol	7.728	122	157242	39.924	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	282744	39.822	ng	100
29) 2,4-Dichlorophenol	7.934	162	211891	39.818	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227379	39.237	ng	100
31) Naphthalene	8.093	128	741255	39.287	ng	100
32) Benzoic acid	7.857	122	164966	40.324	ng	98
33) 4-Chloroaniline	8.145	127	267977	40.680	ng	99
34) Hexachlorobutadiene	8.210	225	139658	40.144	ng	99
35) Caprolactam	8.516	113	66599	41.104	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	235824	40.006	ng	100
37) 2-Methylnaphthalene	8.787	142	475273	38.710	ng	100
38) 1-Methylnaphthalene	8.881	142	464346	39.049	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	230166	40.182	ng	99
41) Hexachlorocyclopentadiene	8.934	237	73834	38.754	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	147770	39.914	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF020625

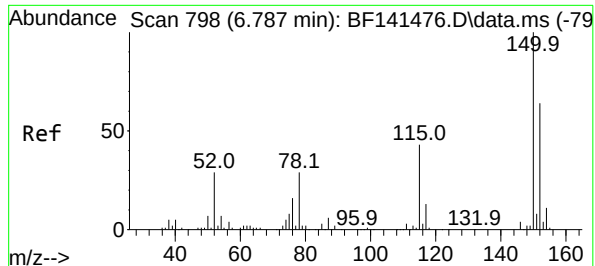
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	99
50) Dimethylphthalate	9.551	163	530769	39.488	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117431	39.965	ng	99
52) Acenaphthene	9.863	154	452794	39.893	ng	100
53) 3-Nitroaniline	9.787	138	127965	40.463	ng	99
54) 2,4-Dinitrophenol	9.892	184	74461	42.639	ng	97
55) Dibenzofuran	10.034	168	664069	39.860	ng	99
56) 4-Nitrophenol	9.957	139	98990	42.166	ng	99
57) 2,4-Dinitrotoluene	10.022	165	158941	40.633	ng	100
58) Fluorene	10.375	166	508833	39.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	139688	40.438	ng	97
60) Diethylphthalate	10.251	149	521933	39.467	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	243659	39.318	ng	98
62) 4-Nitroaniline	10.398	138	132059	41.124	ng	99
63) Azobenzene	10.528	77	522705	39.759	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	98944	42.230	ng	98
66) n-Nitrosodiphenylamine	10.492	169	432307	40.040	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	154044	40.864	ng	95
68) Hexachlorobenzene	10.928	284	156075	40.208	ng	99
69) Atrazine	11.016	200	127486	39.358	ng	100
70) Pentachlorophenol	11.122	266	105427	42.476	ng	99
71) Phenanthrene	11.339	178	744761	40.114	ng	100
72) Anthracene	11.392	178	753295	40.362	ng	100
73) Carbazole	11.551	167	676218	40.267	ng	100
74) Di-n-butylphthalate	11.881	149	794101	40.953	ng	100
75) Fluoranthene	12.528	202	807256	41.011	ng	100
77) Benzidine	12.651	184	211734	38.017	ng	100
78) Pyrene	12.757	202	812250	37.784	ng	100
80) Butylbenzylphthalate	13.380	149	311103	41.781	ng	99
81) Benzo(a)anthracene	13.951	228	638036	38.009	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	185650	38.608	ng	99
83) Chrysene	13.992	228	610091	39.361	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	371434	44.229	ng	100
85) Di-n-octyl phthalate	14.574	149	534947	44.652	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	474949	38.551	ng	99
88) Benzo(b)fluoranthene	15.010	252	526847	39.352	ng	100
89) Benzo(k)fluoranthene	15.039	252	470794	41.182	ng	98
90) Benzo(a)pyrene	15.369	252	427462	39.459	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	388028	38.870	ng	99
92) Benzo(g,h,i)perylene	17.310	276	402566	38.536	ng	99

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

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

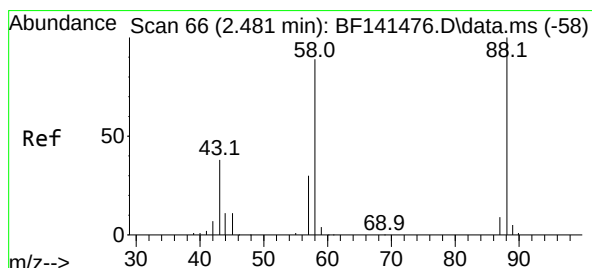
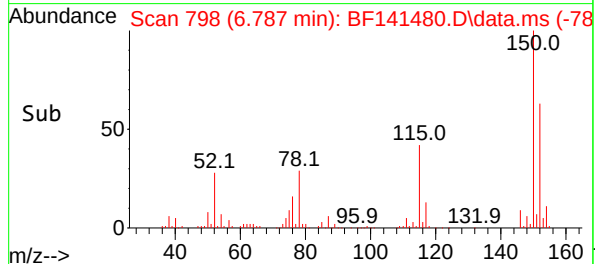
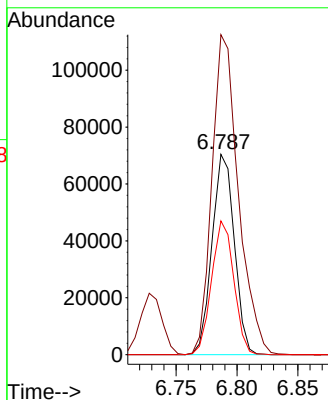
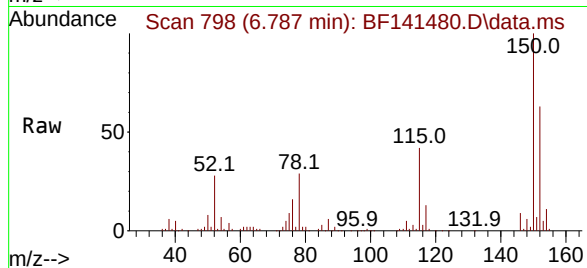
- 1
- 2
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- 13
- 14
- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

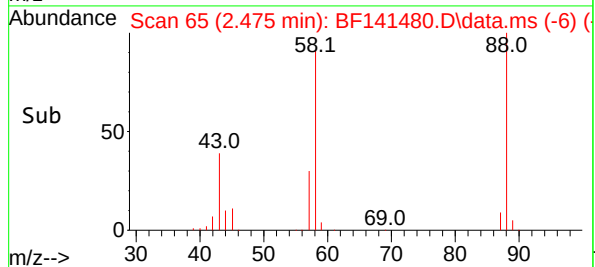
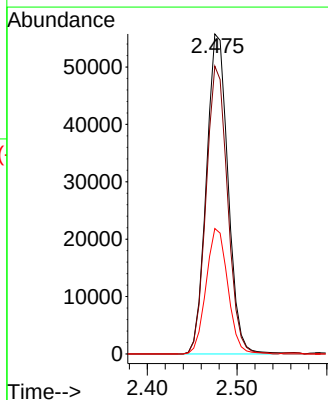
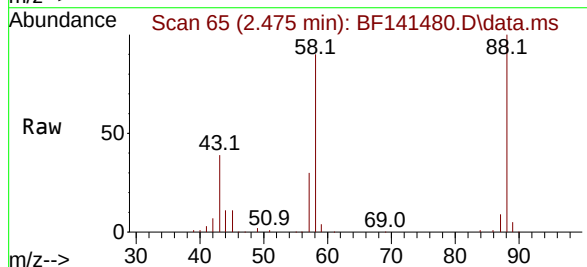
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

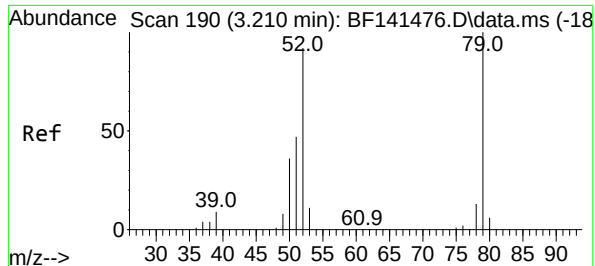
Tgt Ion:152 Resp: 90009
Ion Ratio Lower Upper
152 100
150 159.7 125.0 187.4
115 66.8 53.6 80.4



#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 88 Resp: 93282
Ion Ratio Lower Upper
88 100
58 89.1 71.1 106.7
43 39.4 30.6 46.0

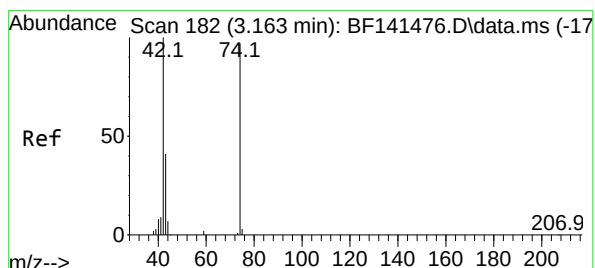
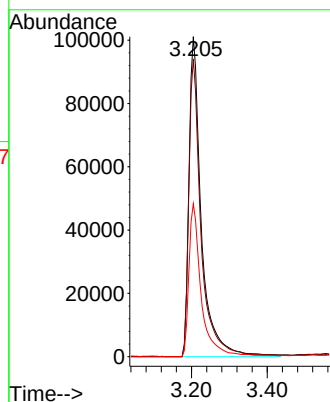
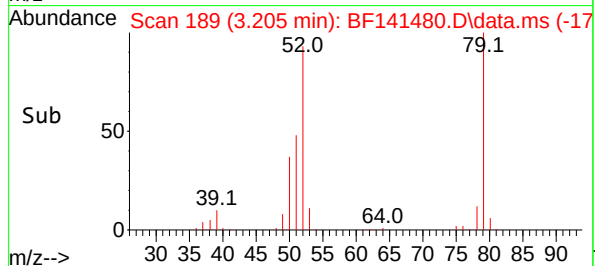
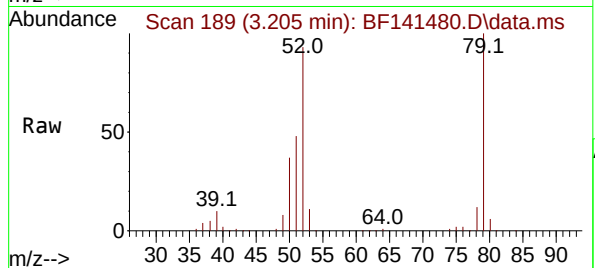




#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 189
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

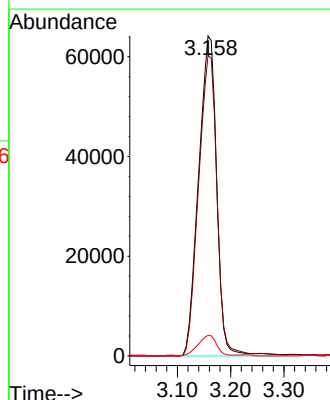
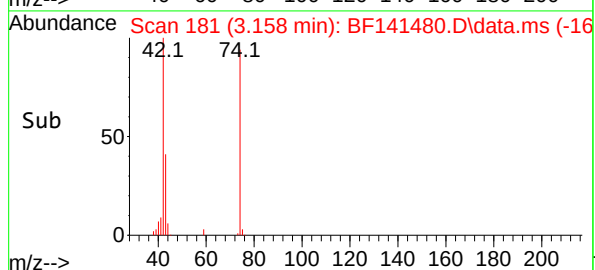
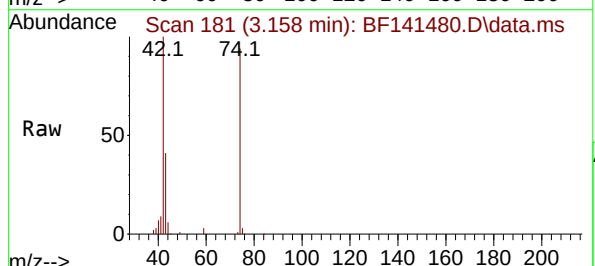
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

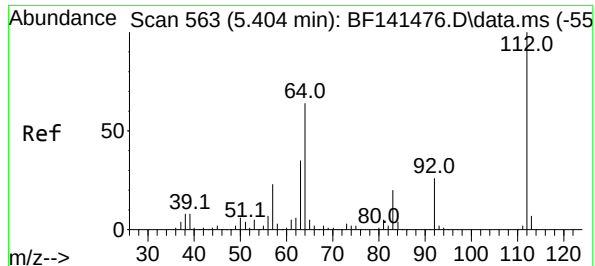
Tgt Ion: 79 Resp: 230604
Ion Ratio Lower Upper
79 100
52 93.1 73.7 110.5
51 47.8 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 42 Resp: 151656
Ion Ratio Lower Upper
42 100
74 94.0 78.0 117.0
44 6.5 5.4 8.2

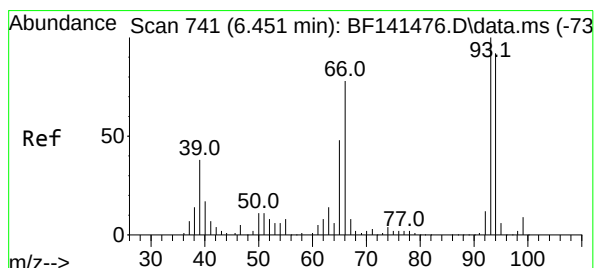
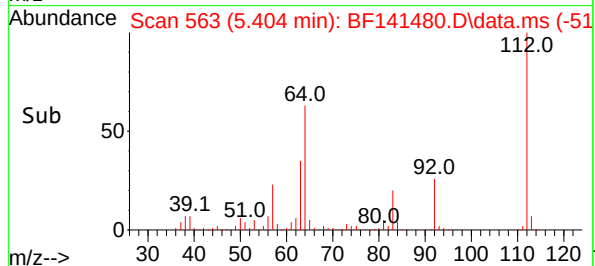
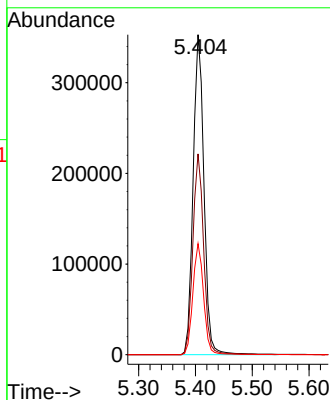
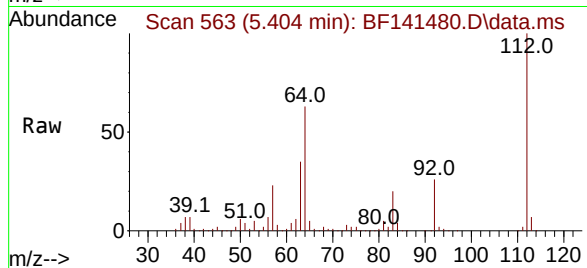




#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

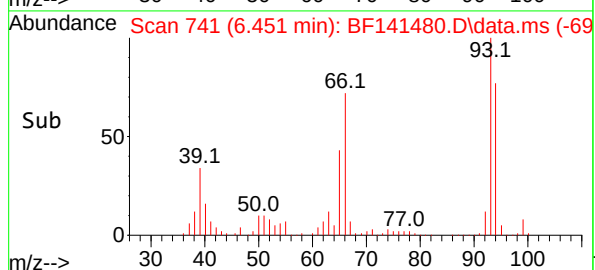
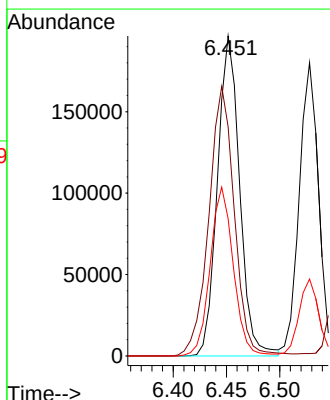
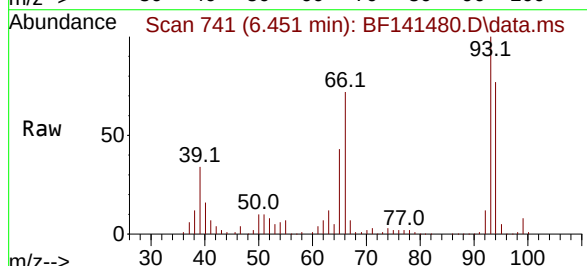
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

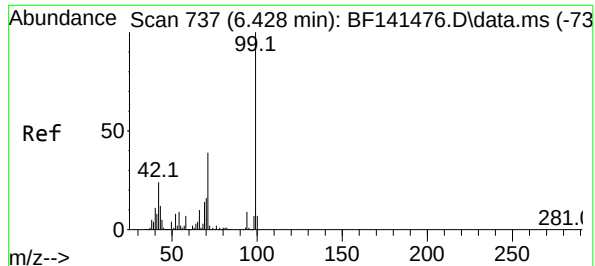
Tgt Ion:112 Resp: 470176
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.7 28.4 42.6



#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 284762
Ion Ratio Lower Upper
93 100
66 71.6 62.6 94.0
65 42.9 38.3 57.5

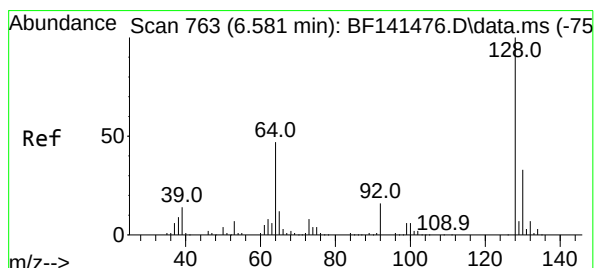
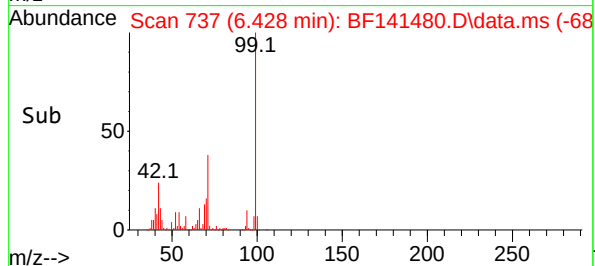
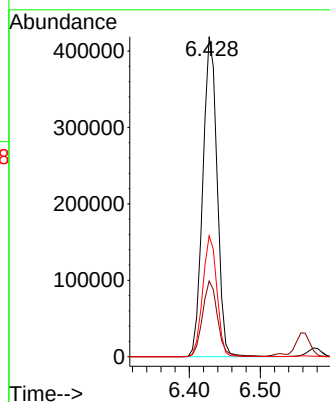
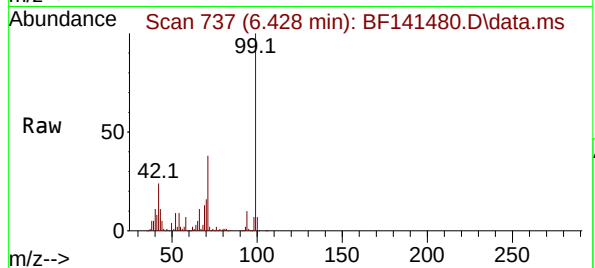




#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

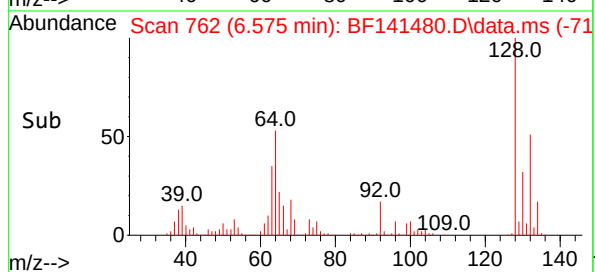
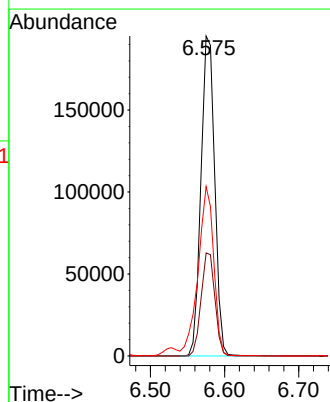
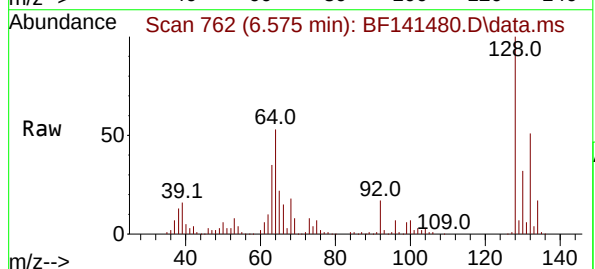
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

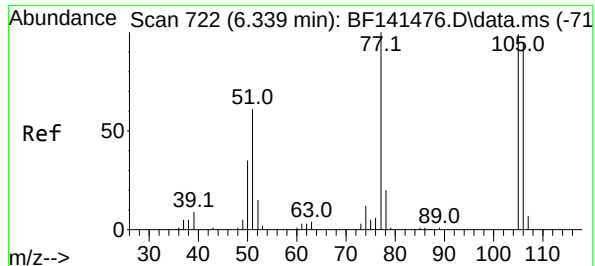
Tgt Ion: 99 Resp: 586892
Ion Ratio Lower Upper
99 100
42 23.7 19.1 28.7
71 37.8 31.1 46.7



#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 128 Resp: 251415
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 52.9 28.3 68.3





#9

Benzaldehyde

Concen: 40.105 ng

RT: 6.340 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

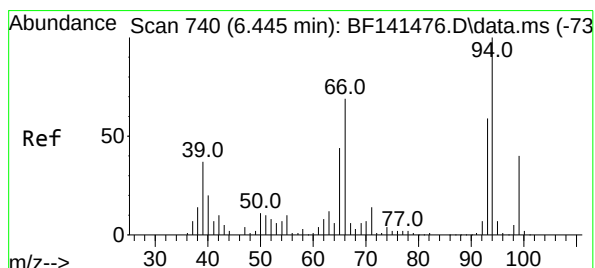
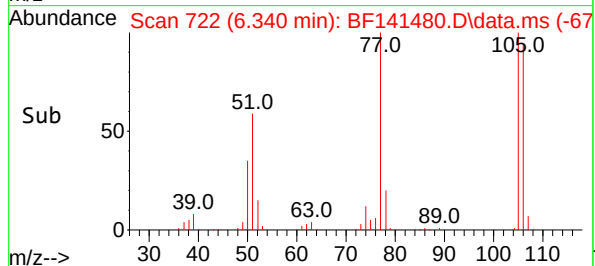
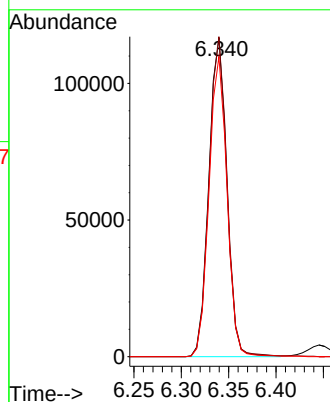
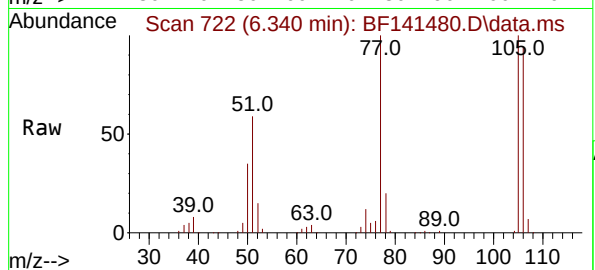
Tgt Ion: 77 Resp: 154649

Ion Ratio Lower Upper

77 100

105 100.4 79.4 119.4

106 94.1 75.1 115.1



#10

Phenol

Concen: 40.615 ng

RT: 6.446 min Scan# 740

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

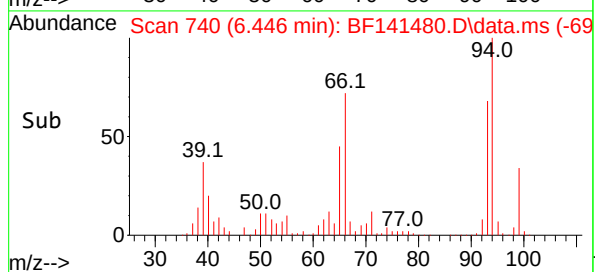
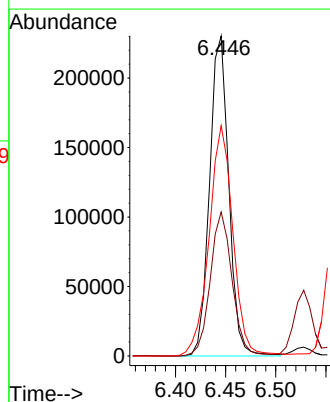
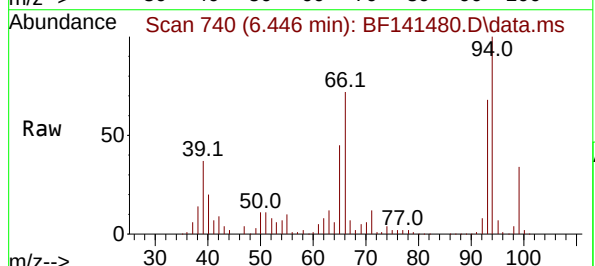
Tgt Ion: 94 Resp: 306753

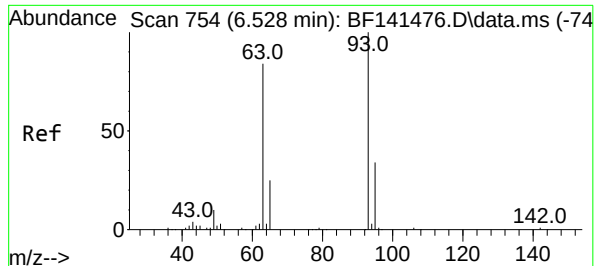
Ion Ratio Lower Upper

94 100

65 45.0 23.7 63.7

66 71.9 49.3 89.3

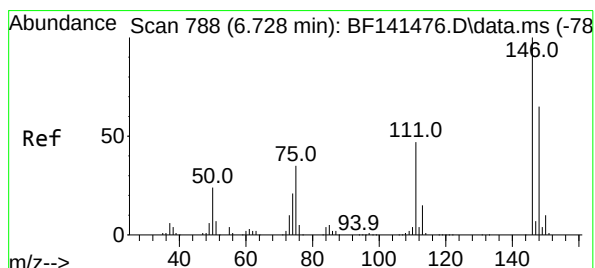
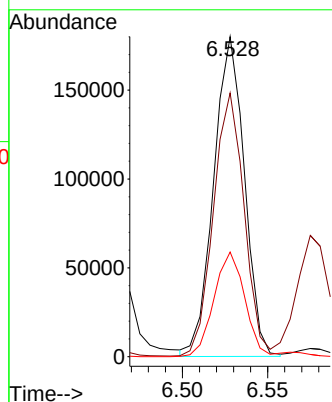
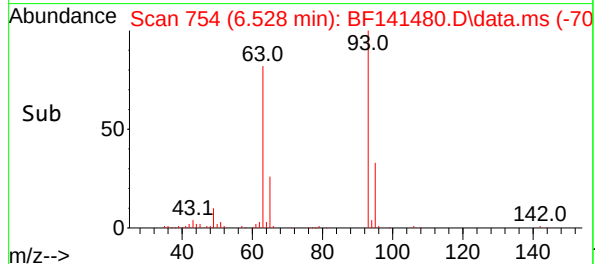
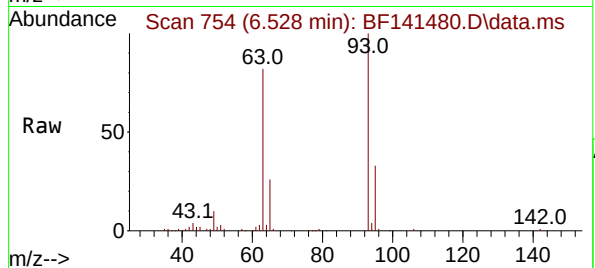




#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

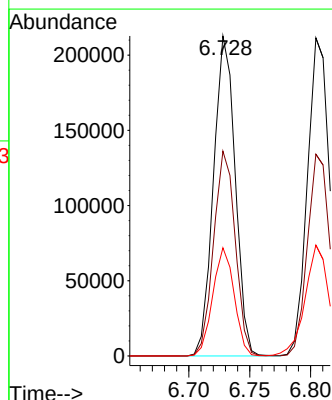
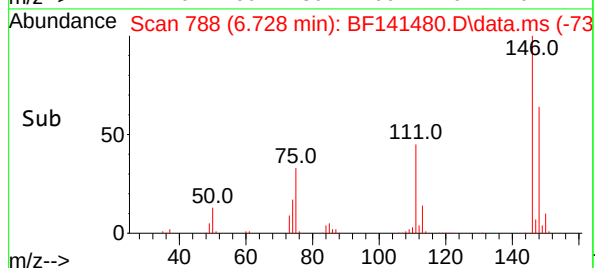
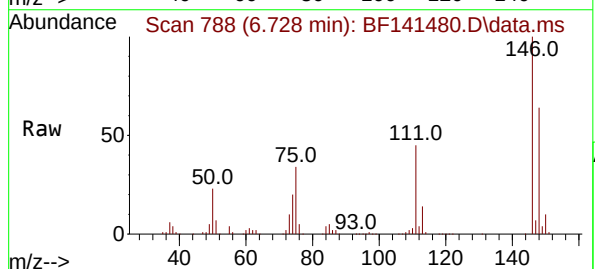
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

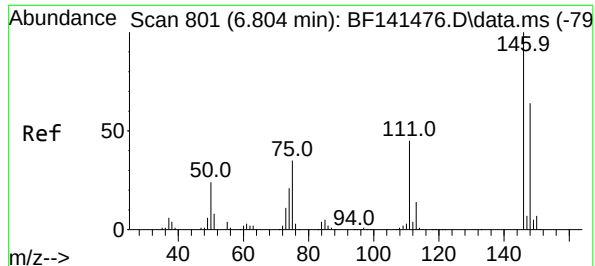
Tgt Ion: 93 Resp: 226152
Ion Ratio Lower Upper
93 100
63 82.4 62.0 102.0
95 32.7 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 146 Resp: 264052
Ion Ratio Lower Upper
146 100
148 64.0 51.9 77.9
75 33.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.911 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

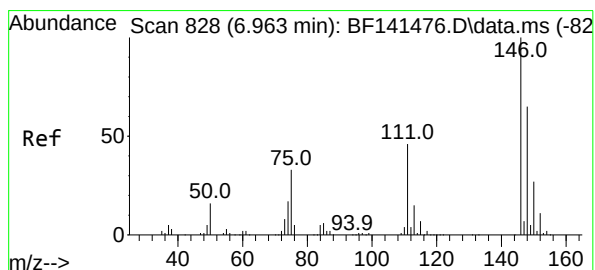
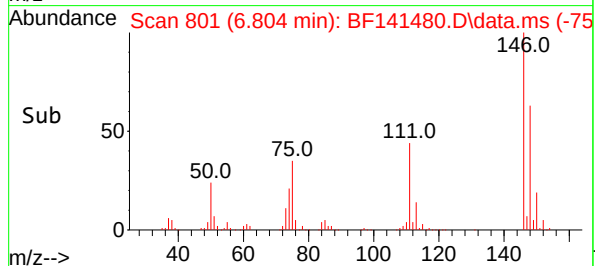
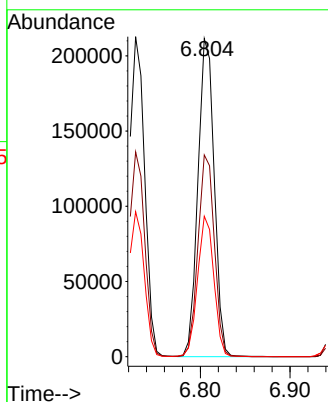
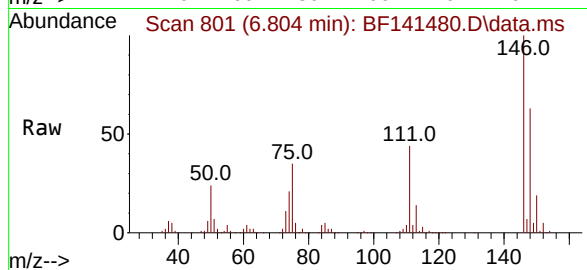
Tgt Ion:146 Resp: 267068

Ion Ratio Lower Upper

146 100

148 63.4 50.9 76.3

111 44.2 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.354 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

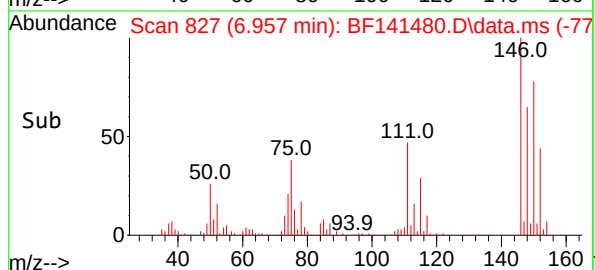
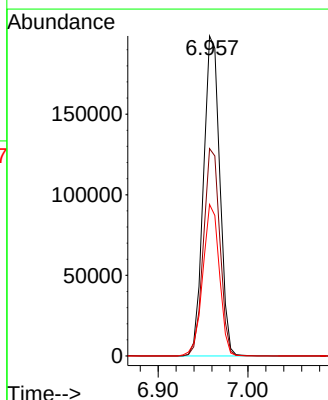
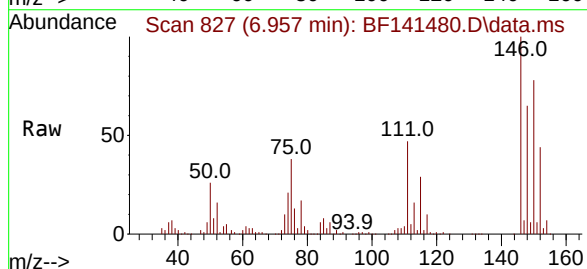
Tgt Ion:146 Resp: 250623

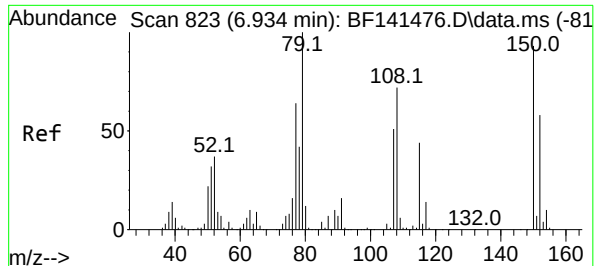
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

111 47.4 37.0 55.4

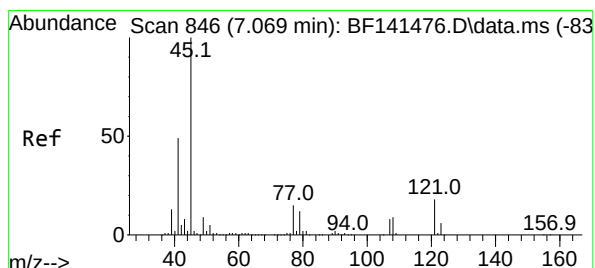
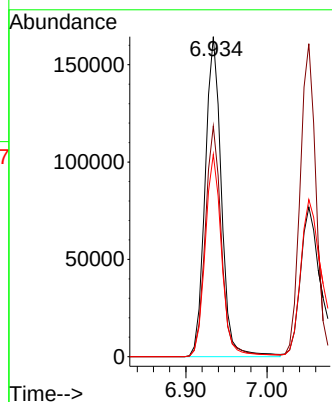
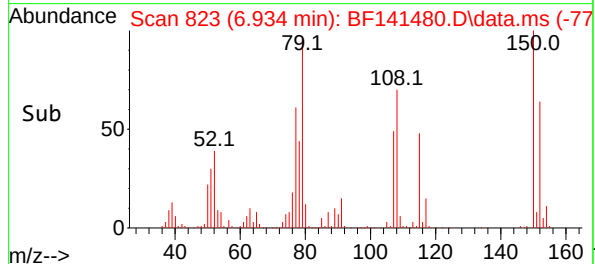
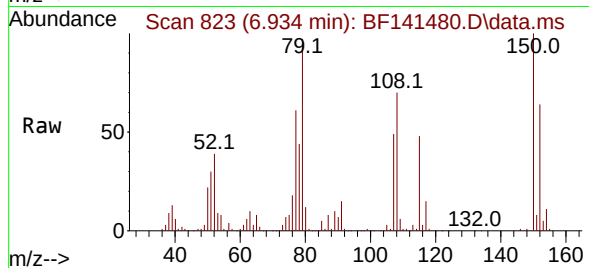




#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

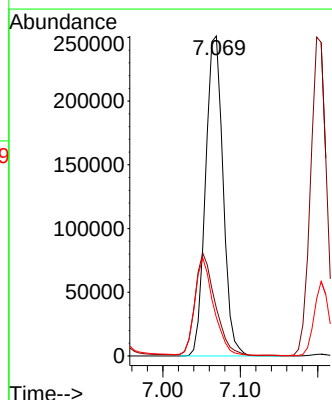
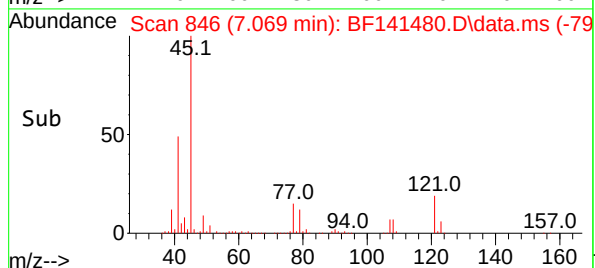
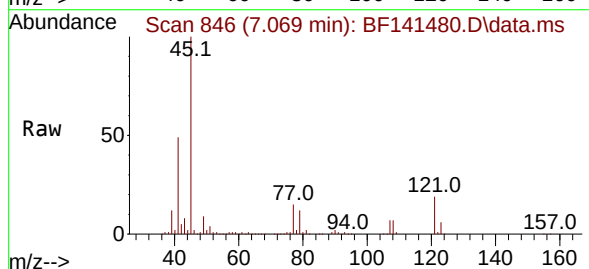
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

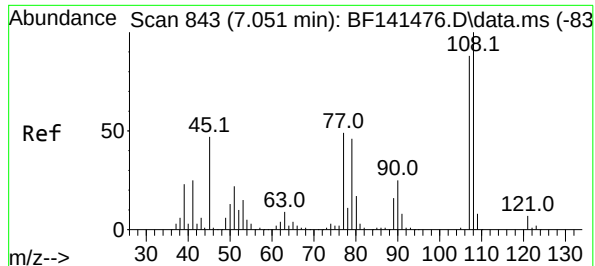
Tgt Ion: 79 Resp: 228379
Ion Ratio Lower Upper
79 100
108 72.0 57.4 86.2
77 63.2 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.535 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 45 Resp: 393626
Ion Ratio Lower Upper
45 100
77 14.9 0.0 35.8
79 12.0 0.0 32.7

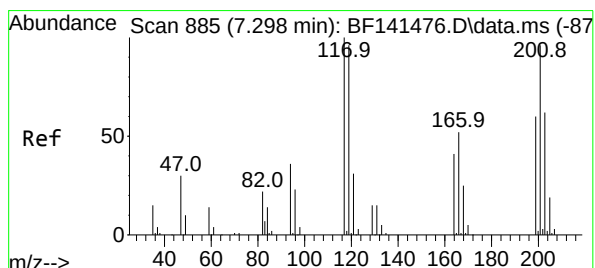
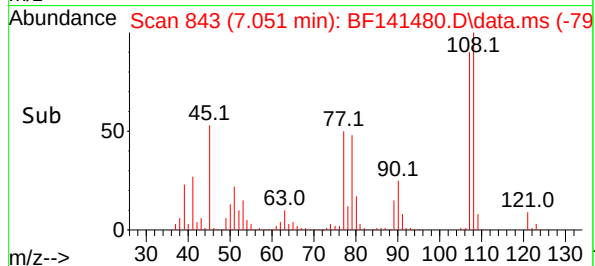
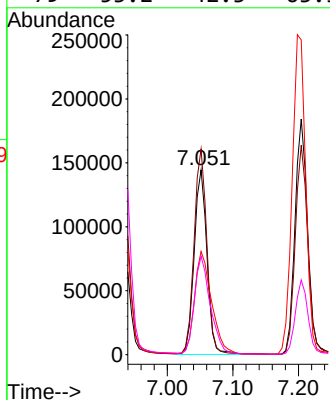
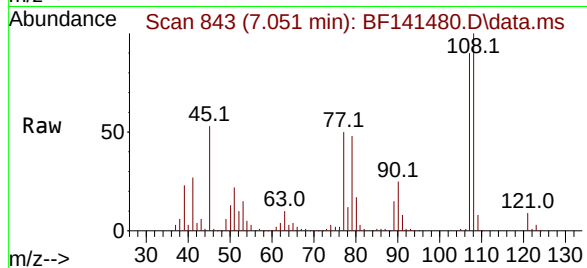




#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

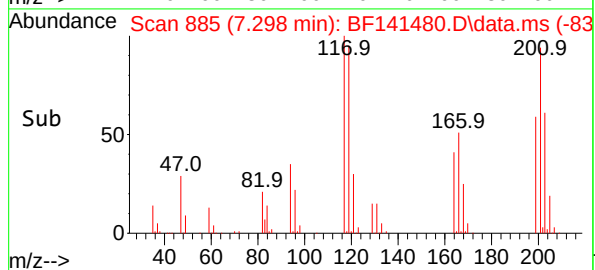
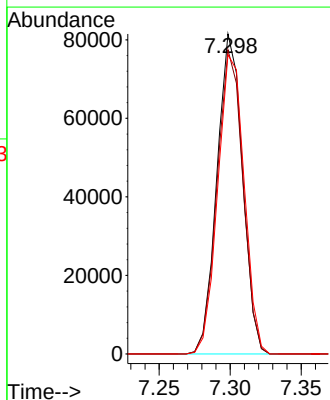
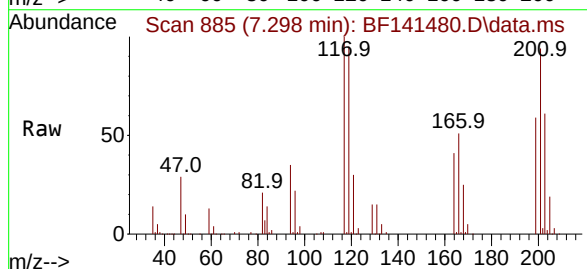
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

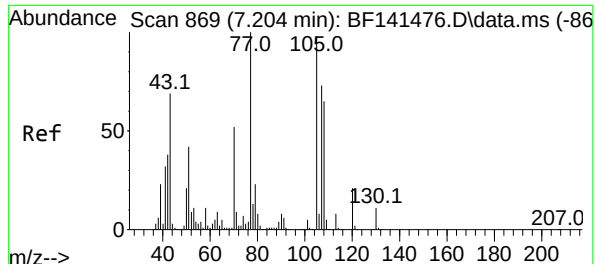
Tgt Ion:	107	Resp:	197905
Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	55.8	44.4	66.6
79	53.2	42.3	63.5



#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:	117	Resp:	101687
Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	93.5	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.048 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

Tgt Ion: 70 Resp: 173832

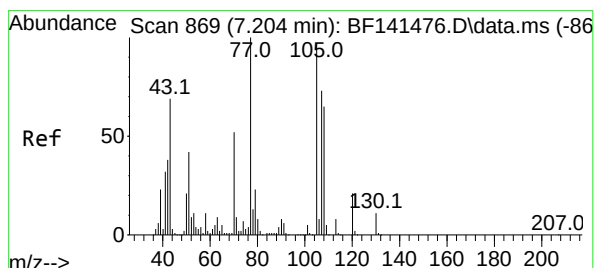
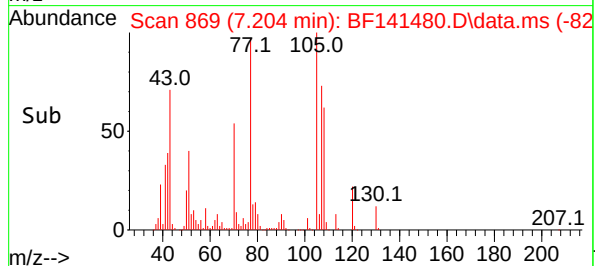
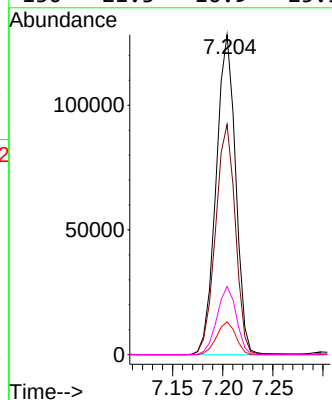
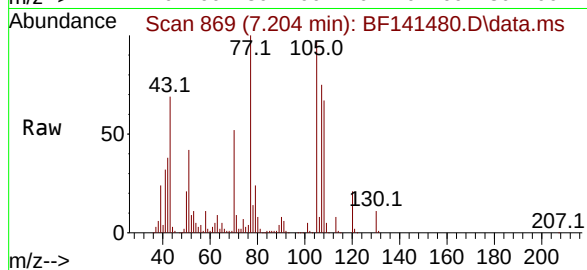
Ion Ratio Lower Upper

70 100

42 72.0 57.4 86.2

101 10.3 8.0 12.0

130 21.3 16.9 25.3



#20

3+4-Methylphenols

Concen: 40.073 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion: 107 Resp: 247254

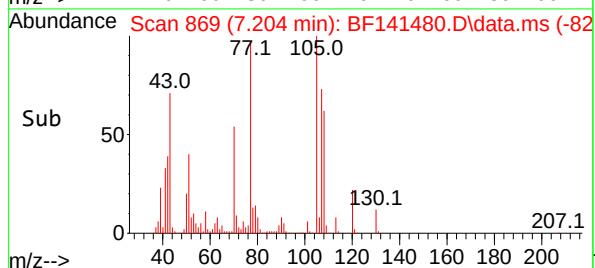
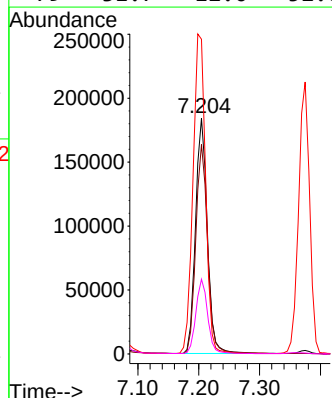
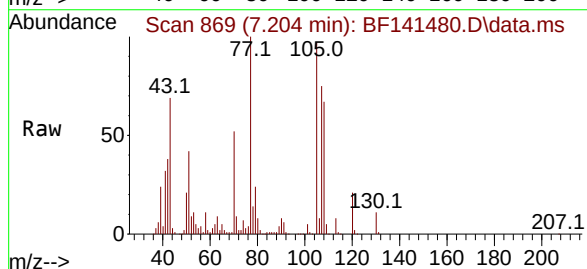
Ion Ratio Lower Upper

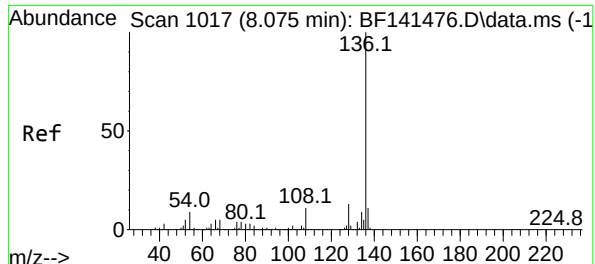
107 100

108 88.9 68.5 108.5

77 133.5 116.5 156.5

79 31.7 12.0 52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141480.D

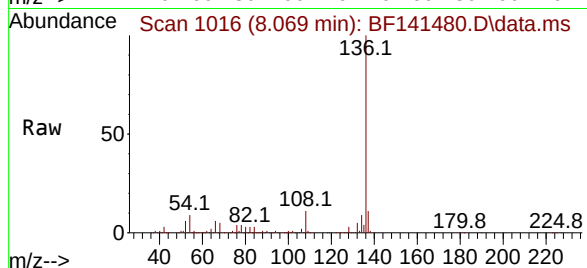
Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625



Tgt Ion:136 Resp: 362467

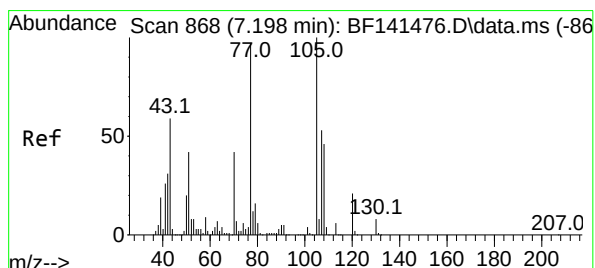
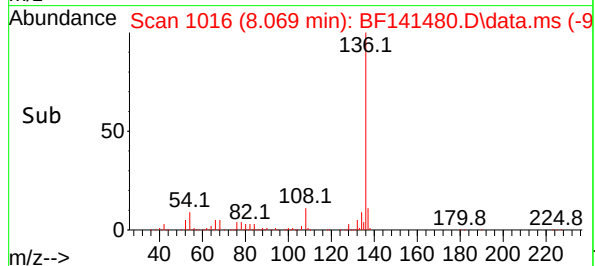
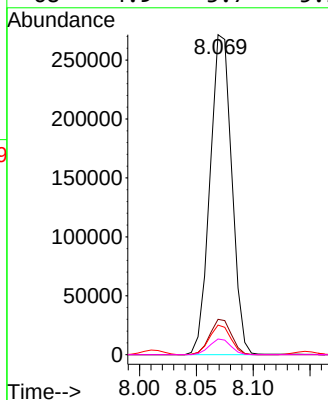
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.3 7.2 10.8

68 4.9 3.7 5.5



#22

Acetophenone

Concen: 39.246 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:105 Resp: 353867

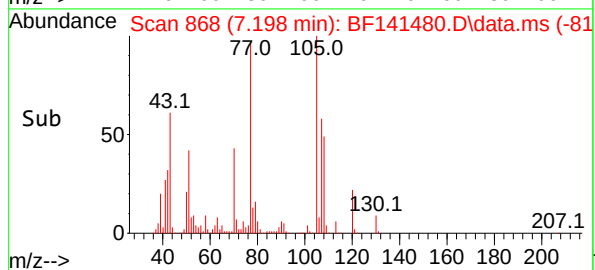
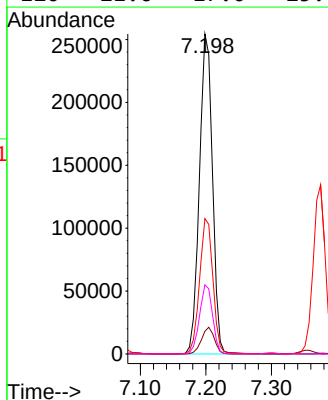
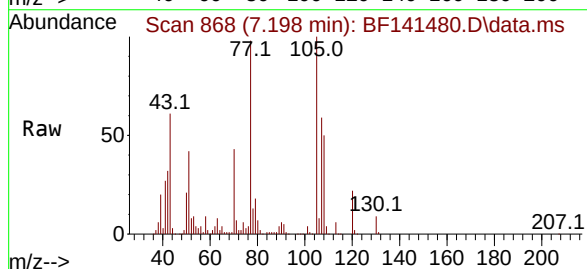
Ion Ratio Lower Upper

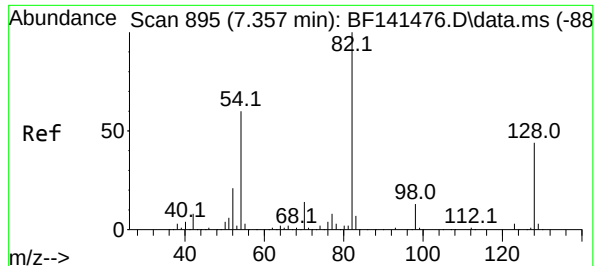
105 100

71 7.1 5.7 8.5

51 42.3 33.7 50.5

120 21.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 78.369 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

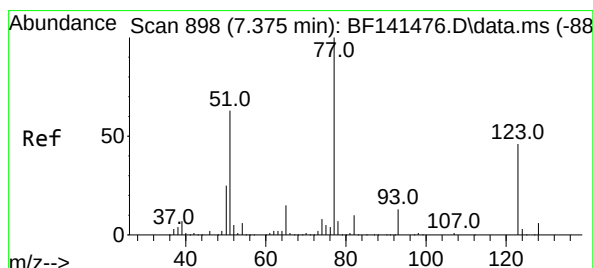
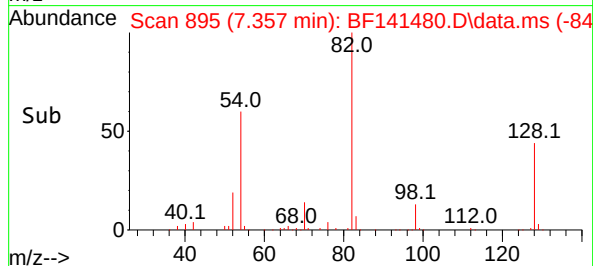
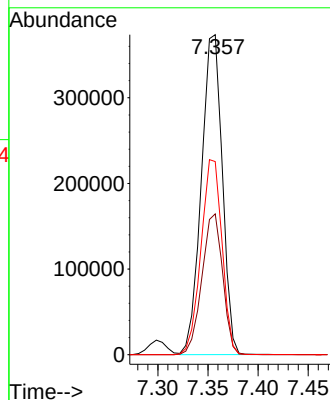
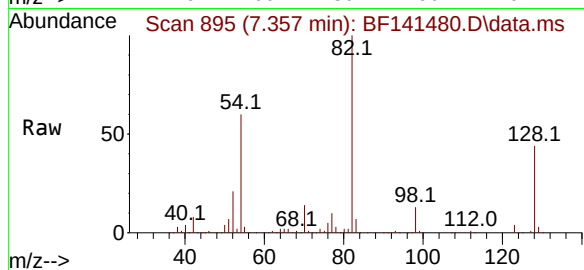
Tgt Ion: 82 Resp: 544613

Ion Ratio Lower Upper

82 100

128 44.0 34.8 52.2

54 60.4 48.2 72.4



#24

Nitrobenzene

Concen: 39.429 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

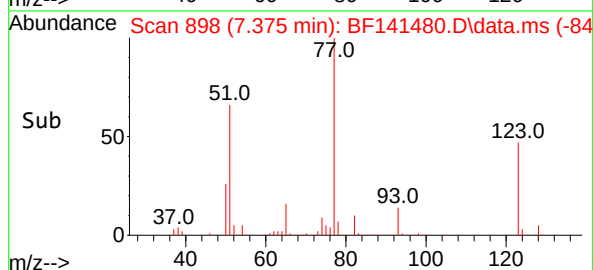
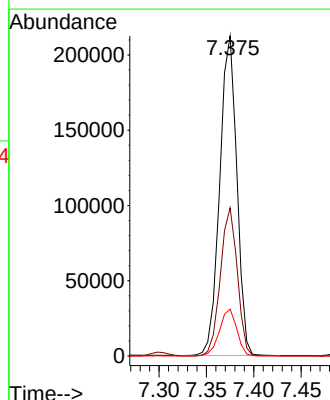
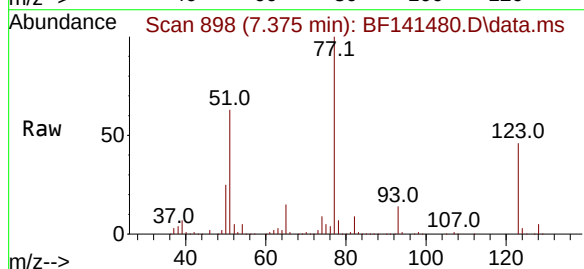
Tgt Ion: 77 Resp: 267193

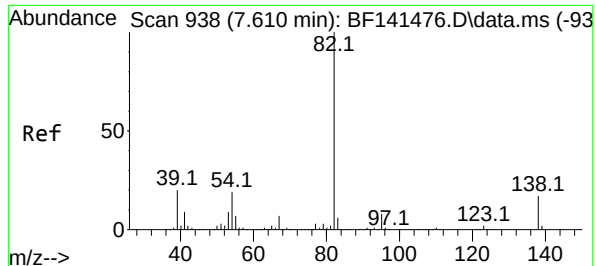
Ion Ratio Lower Upper

77 100

123 46.3 36.9 55.3

65 14.6 11.9 17.9





#25

Isophorone

Concen: 39.767 ng

RT: 7.610 min Scan# 910

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

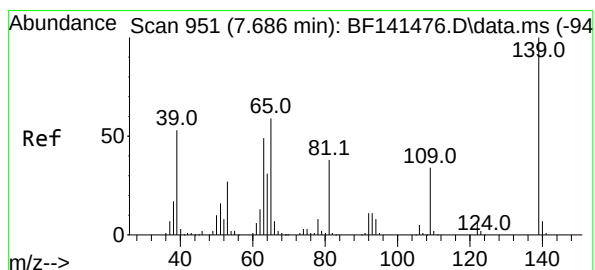
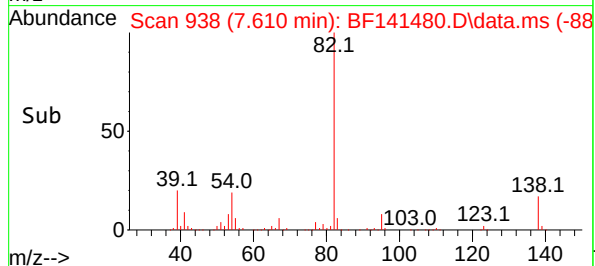
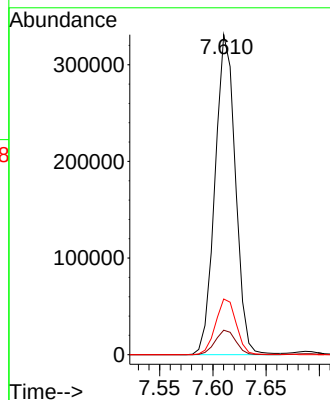
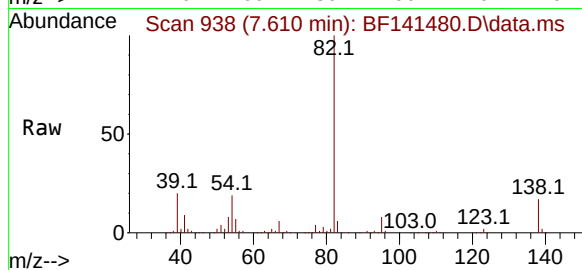
Tgt Ion: 82 Resp: 440640

Ion Ratio Lower Upper

82 100

95 7.7 6.4 9.6

138 17.4 13.9 20.9



#26

2-Nitrophenol

Concen: 40.413 ng

RT: 7.687 min Scan# 951

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

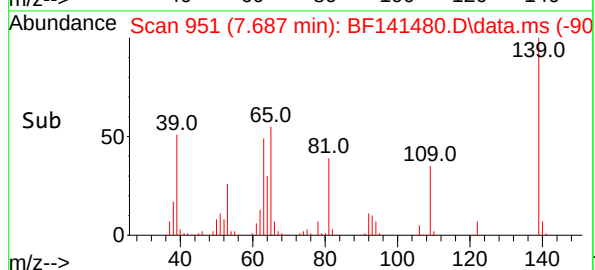
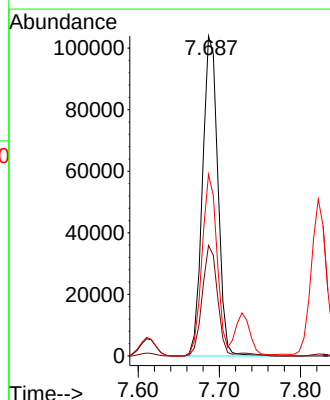
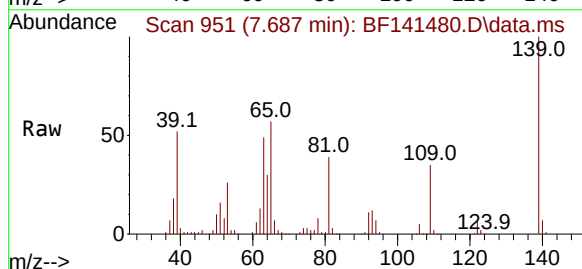
Tgt Ion: 139 Resp: 136248

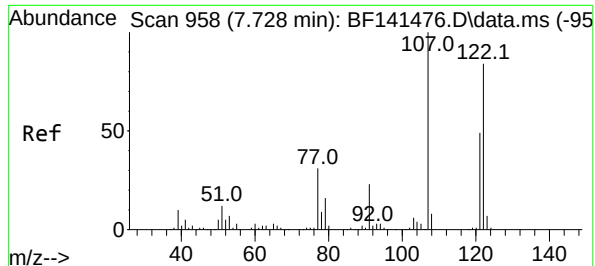
Ion Ratio Lower Upper

139 100

109 34.6 27.0 40.6

65 56.7 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 39.924 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

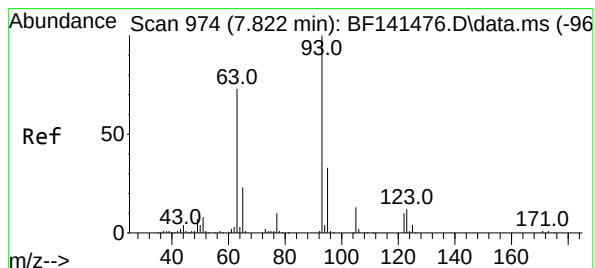
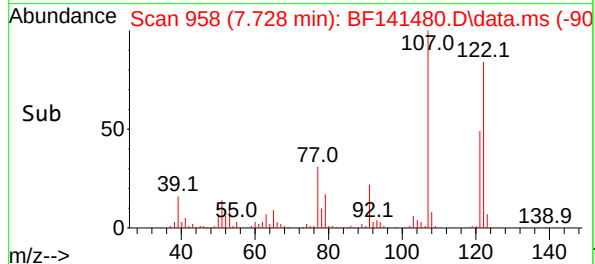
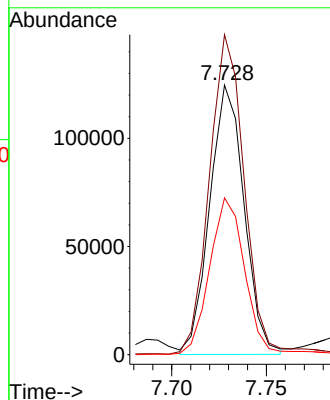
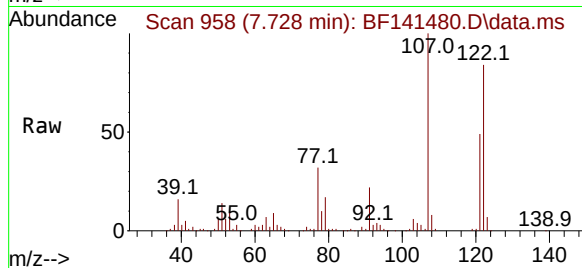
Tgt Ion:122 Resp: 157242

Ion Ratio Lower Upper

122 100

107 118.7 94.3 141.5

121 58.2 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 39.822 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

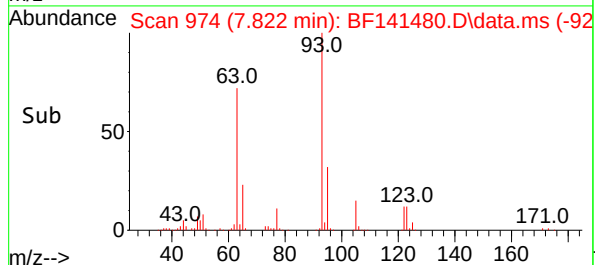
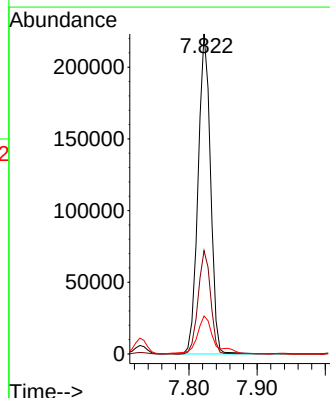
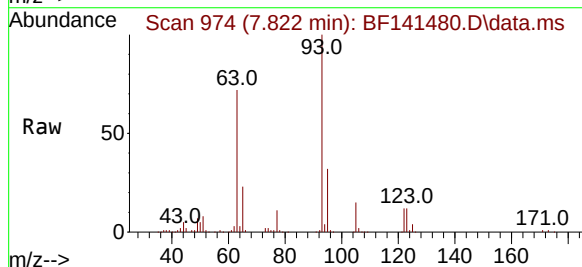
Tgt Ion: 93 Resp: 282744

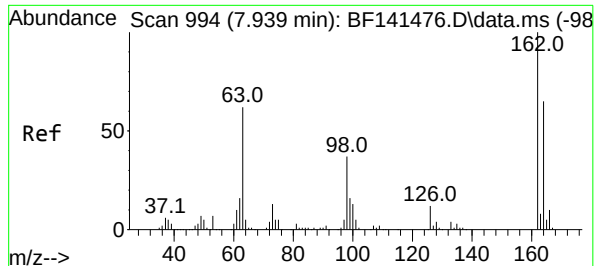
Ion Ratio Lower Upper

93 100

95 32.3 26.1 39.1

123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 39.818 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

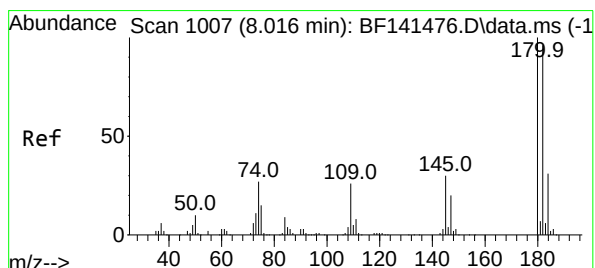
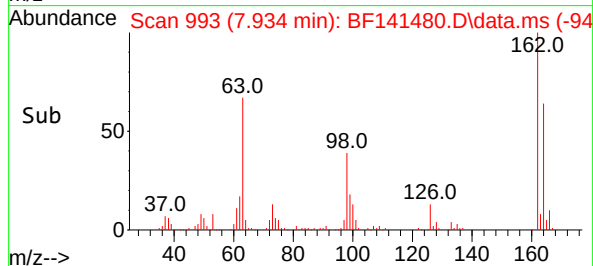
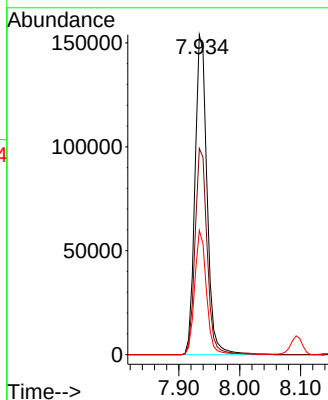
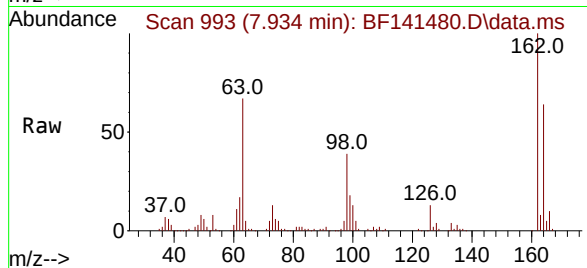
Tgt Ion:162 Resp: 211891

Ion Ratio Lower Upper

162 100

164 64.5 44.6 84.6

98 38.9 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 39.237 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

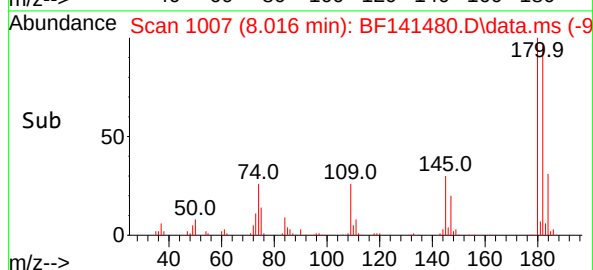
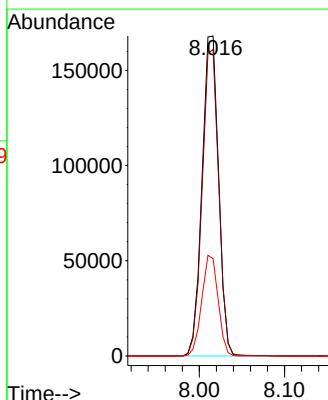
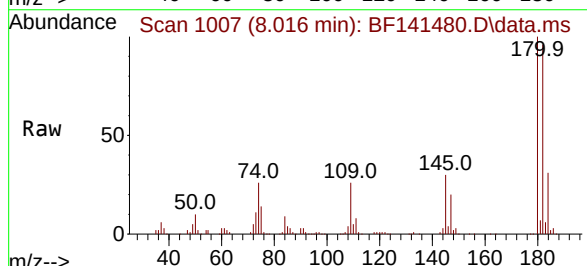
Tgt Ion:180 Resp: 227379

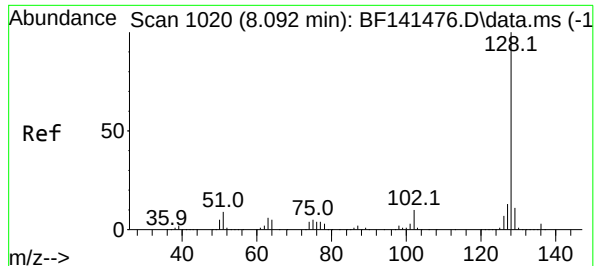
Ion Ratio Lower Upper

180 100

182 95.7 76.8 115.2

145 30.4 24.2 36.4





#31

Naphthalene

Concen: 39.287 ng

RT: 8.093 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

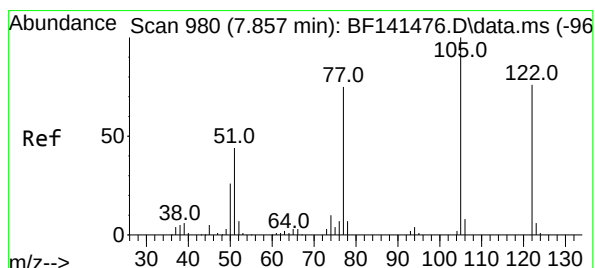
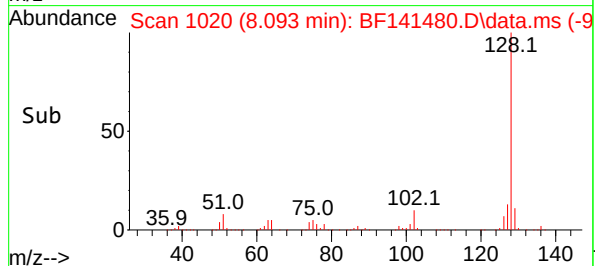
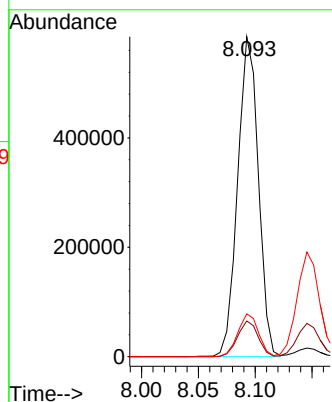
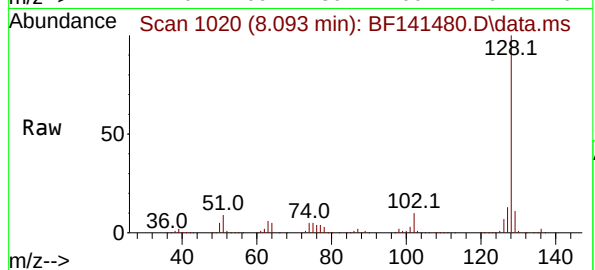
Tgt Ion:128 Resp: 741255

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.4 10.7 16.1



#32

Benzoic acid

Concen: 40.324 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

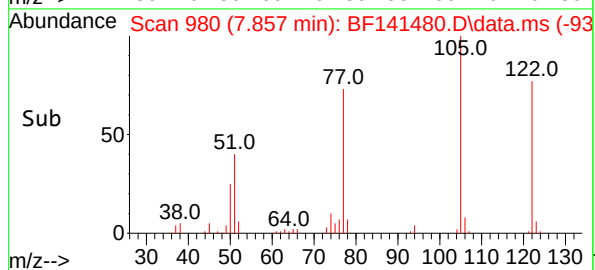
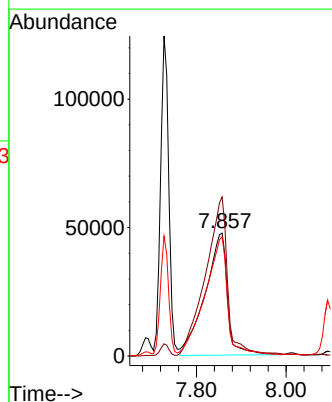
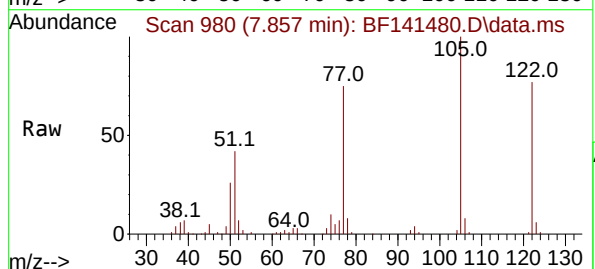
Tgt Ion:122 Resp: 164966

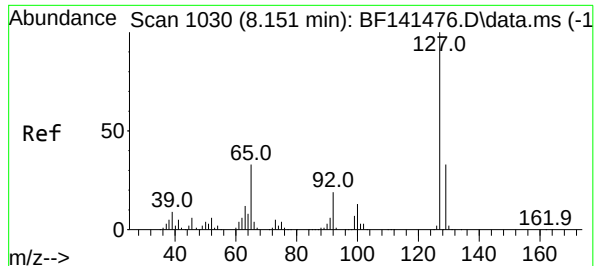
Ion Ratio Lower Upper

122 100

105 129.3 106.5 146.5

77 97.2 76.3 116.3





#33

4-Chloroaniline

Concen: 40.680 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

Tgt Ion:127 Resp: 267977

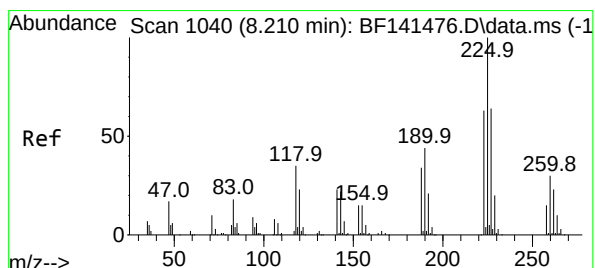
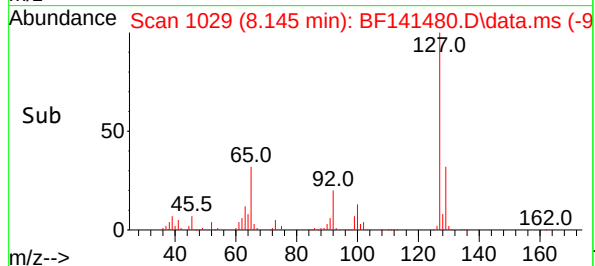
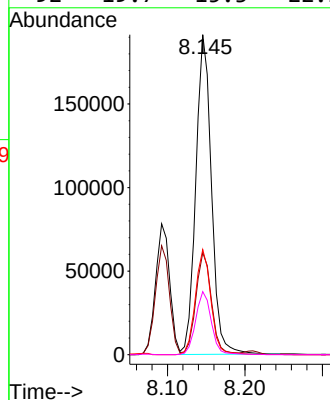
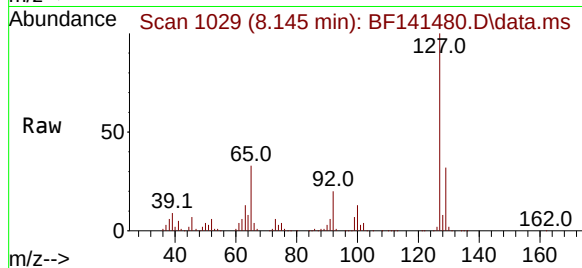
Ion Ratio Lower Upper

127 100

129 31.9 26.5 39.7

65 32.9 26.4 39.6

92 19.7 15.3 22.9



#34

Hexachlorobutadiene

Concen: 40.144 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

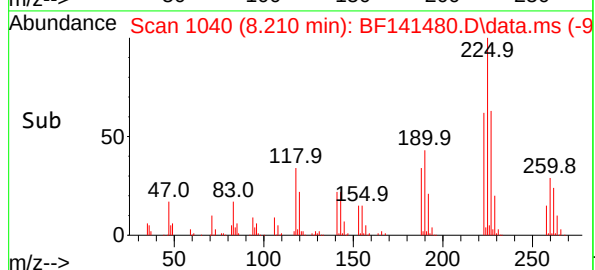
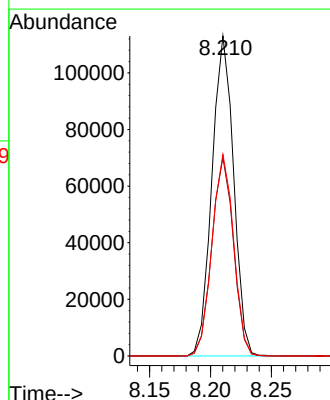
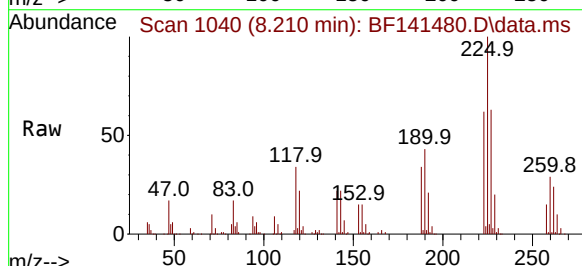
Tgt Ion:225 Resp: 139658

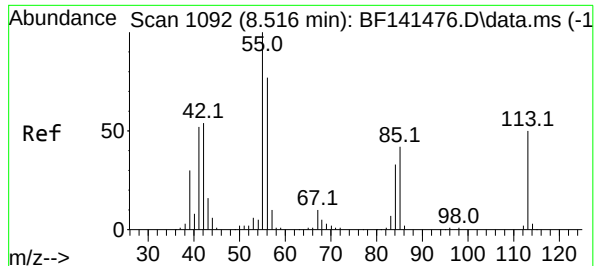
Ion Ratio Lower Upper

225 100

223 62.0 50.1 75.1

227 63.0 51.0 76.6





#35

Caprolactam

Concen: 41.104 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.029 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

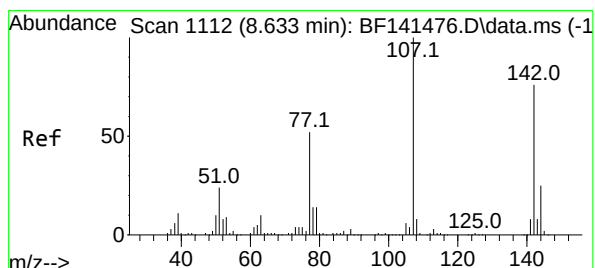
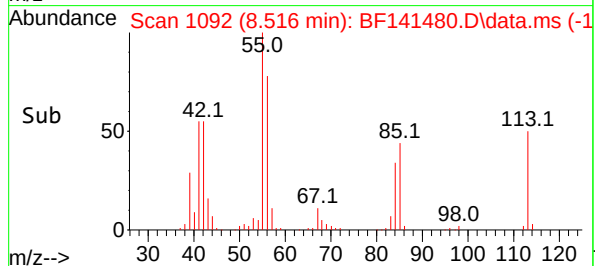
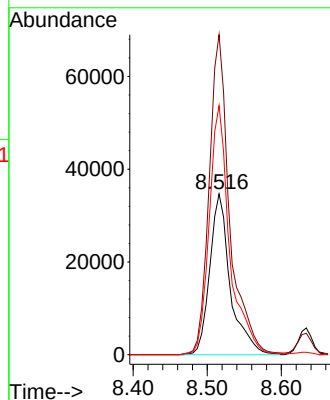
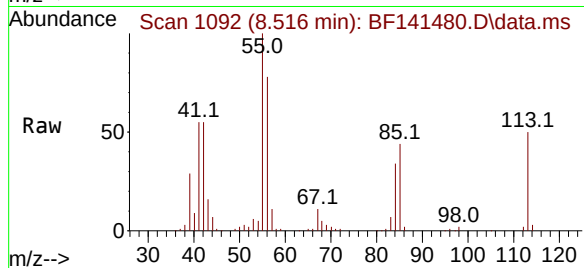
Tgt Ion:113 Resp: 66599

Ion Ratio Lower Upper

113 100

55 199.0 180.8 220.8

56 154.8 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 40.006 ng

RT: 8.634 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

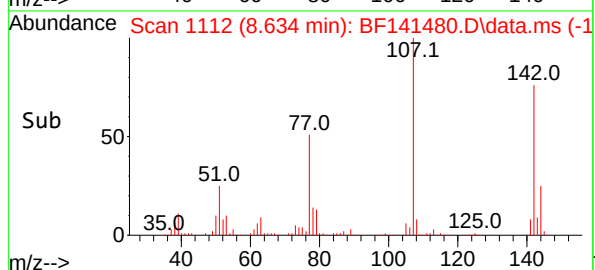
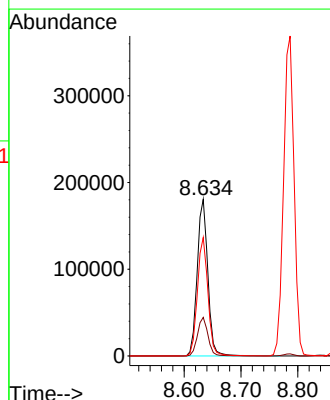
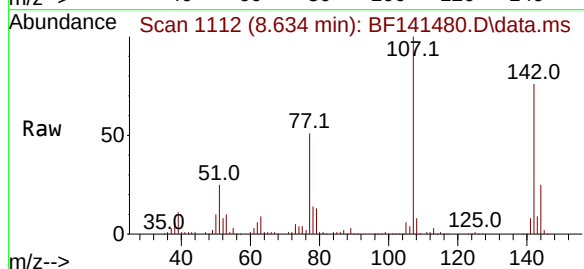
Tgt Ion:107 Resp: 235824

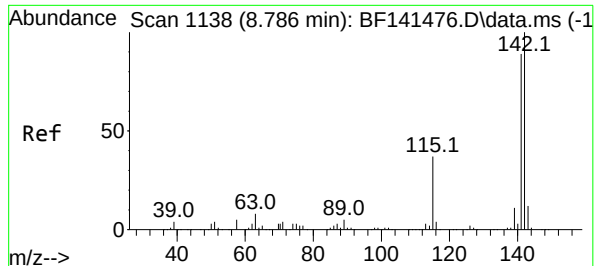
Ion Ratio Lower Upper

107 100

144 24.7 19.7 29.5

142 75.6 60.8 91.2





#37

2-Methylnaphthalene

Concen: 38.710 ng

RT: 8.787 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

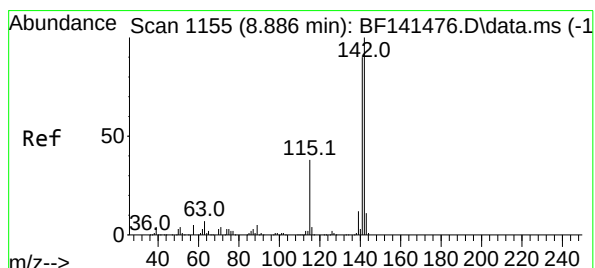
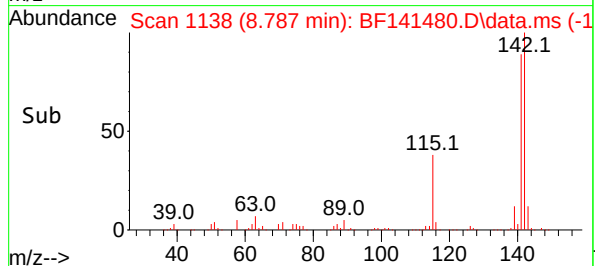
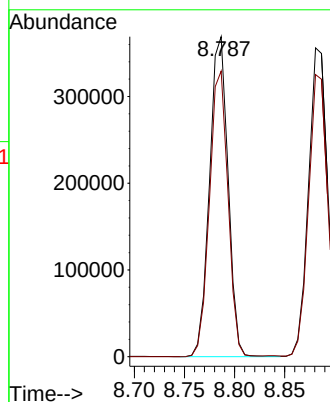
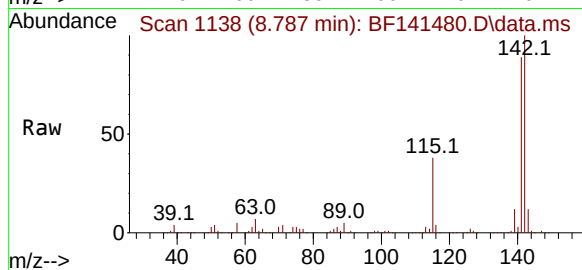
ICVBF020625

Tgt Ion:142 Resp: 475273

Ion Ratio Lower Upper

142 100

141 89.2 71.2 106.8



#38

1-Methylnaphthalene

Concen: 39.049 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141480.D

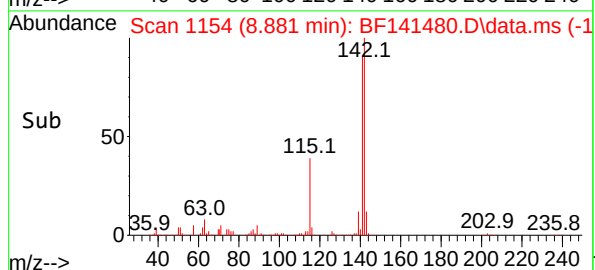
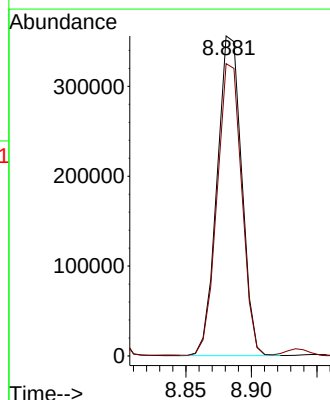
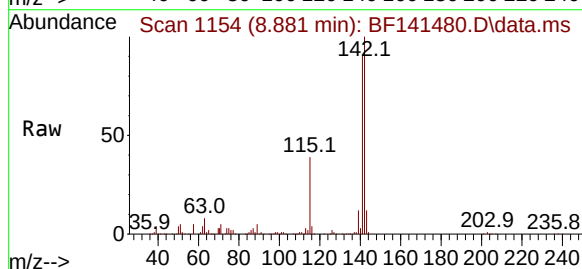
Acq: 06 Feb 2025 15:03

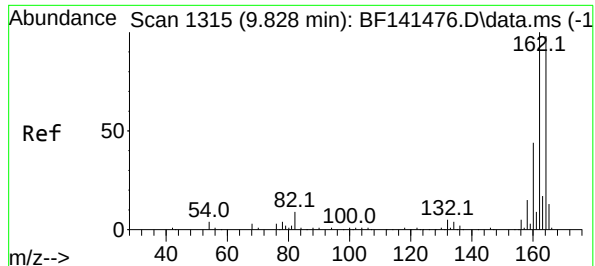
Tgt Ion:142 Resp: 464346

Ion Ratio Lower Upper

142 100

141 91.3 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

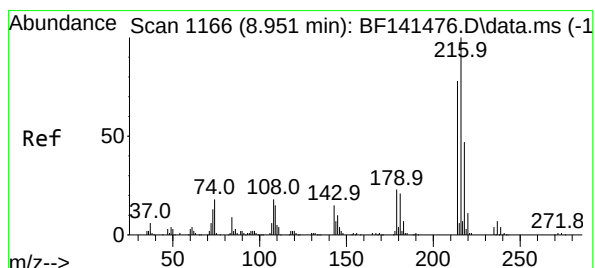
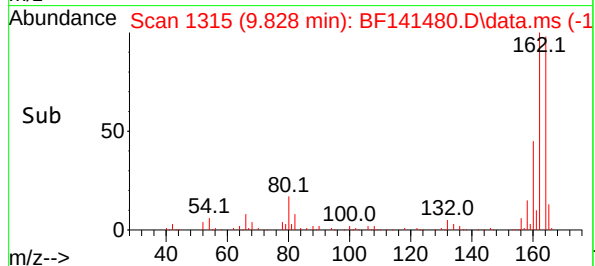
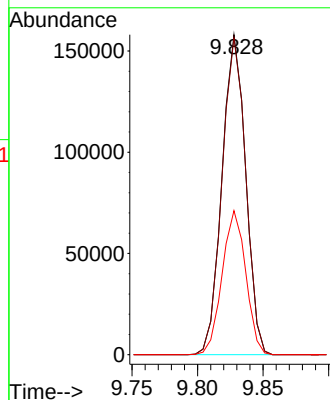
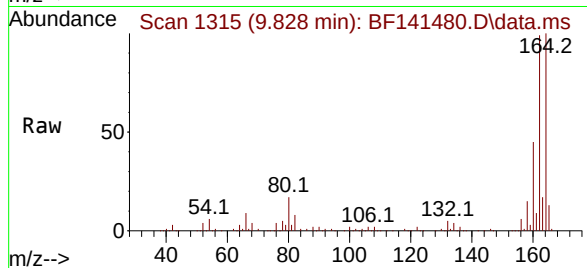
Tgt Ion:164 Resp: 197991

Ion Ratio Lower Upper

164 100

162 99.1 81.3 121.9

160 45.0 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.182 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:216 Resp: 230166

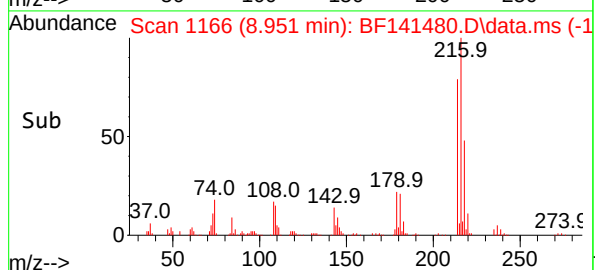
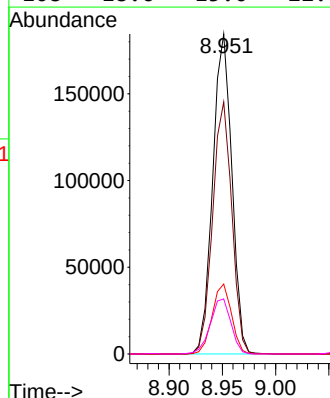
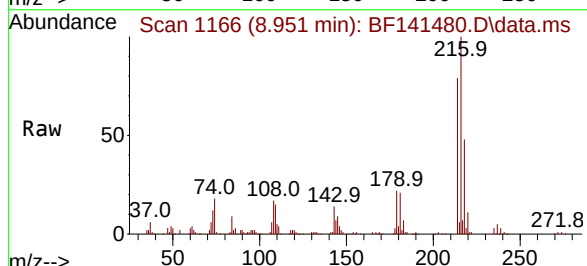
Ion Ratio Lower Upper

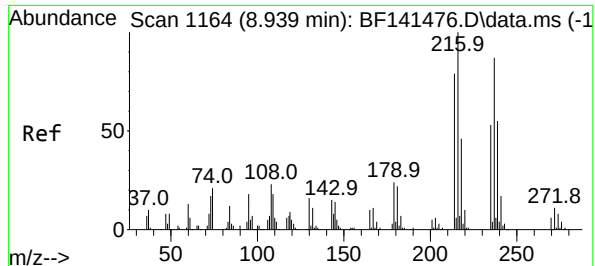
216 100

214 78.9 62.3 93.5

179 22.1 18.0 27.0

108 18.6 15.0 22.6

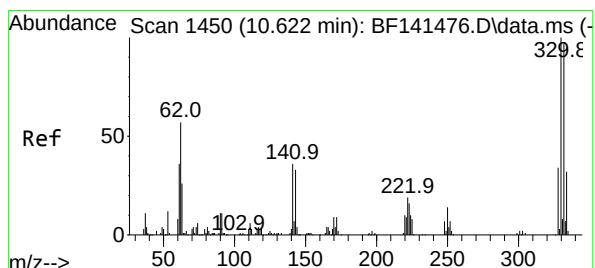
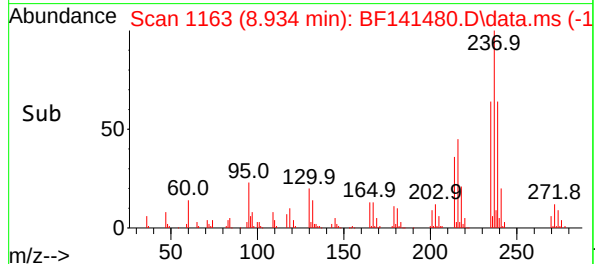
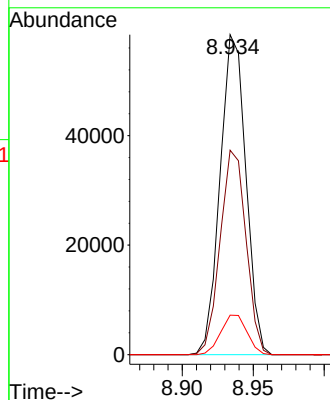
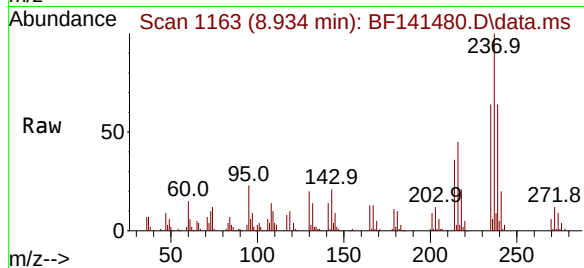




#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

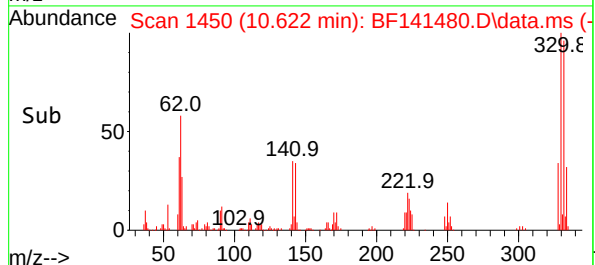
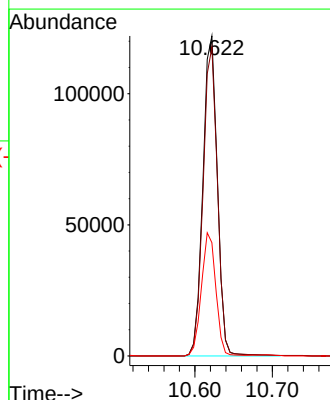
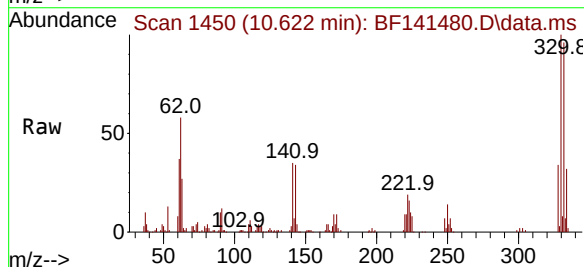
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

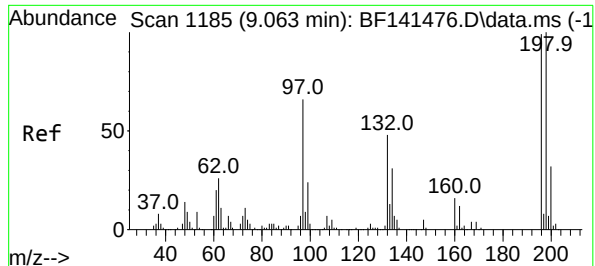
Tgt Ion:237 Resp: 73834
Ion Ratio Lower Upper
237 100
235 63.9 41.4 81.4
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:330 Resp: 158098
Ion Ratio Lower Upper
330 100
332 96.5 78.5 117.7
141 38.4 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 39.914 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

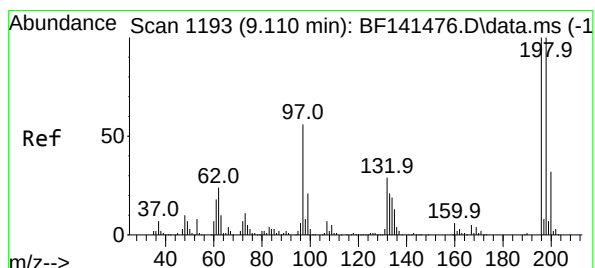
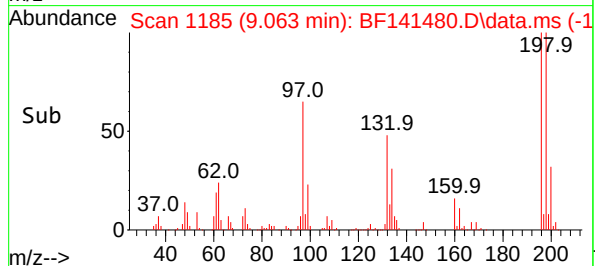
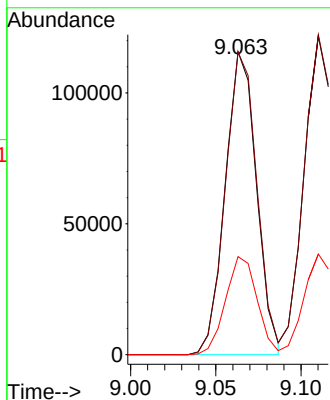
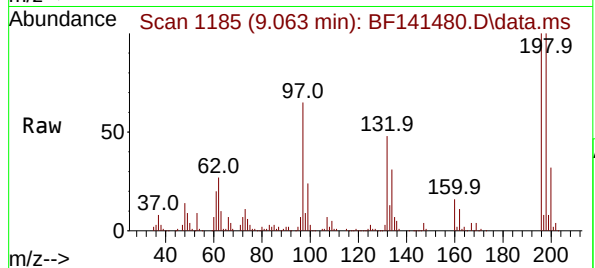
Tgt Ion:196 Resp: 147770

Ion Ratio Lower Upper

196 100

198 99.8 80.6 121.0

200 32.3 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 40.108 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:196 Resp: 160926

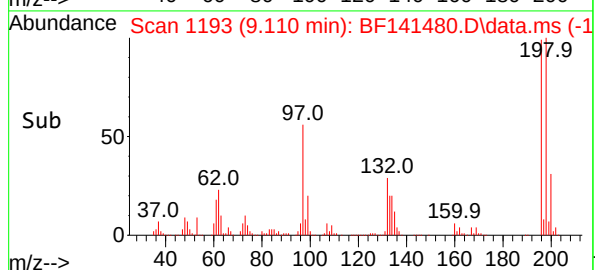
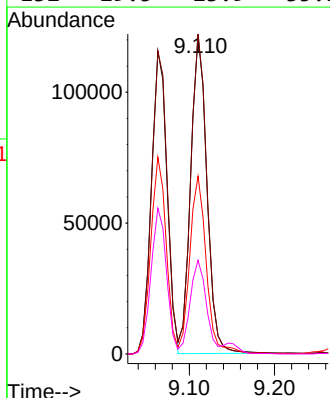
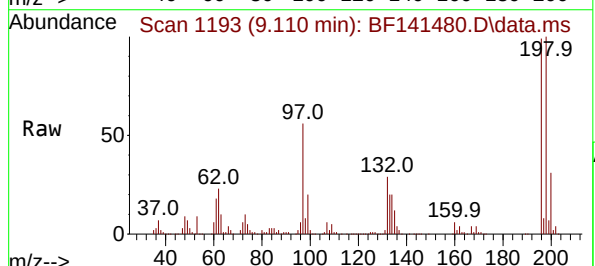
Ion Ratio Lower Upper

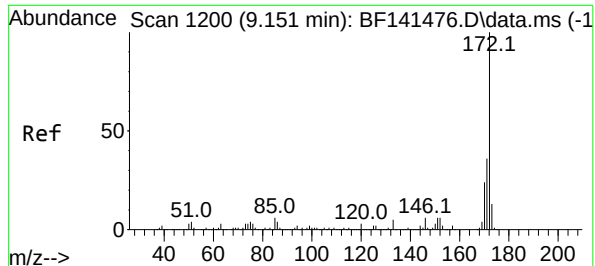
196 100

198 100.5 79.8 119.8

97 55.8 44.8 67.2

132 29.5 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 78.786 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

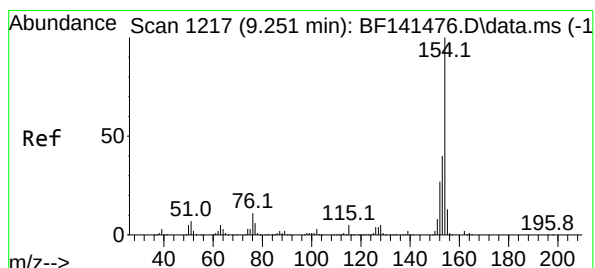
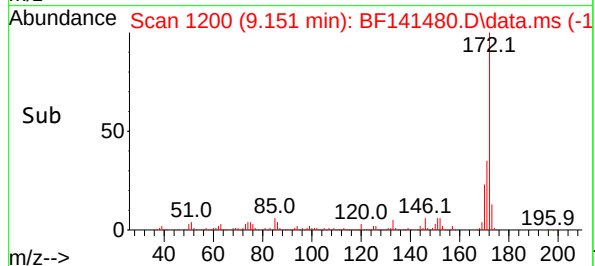
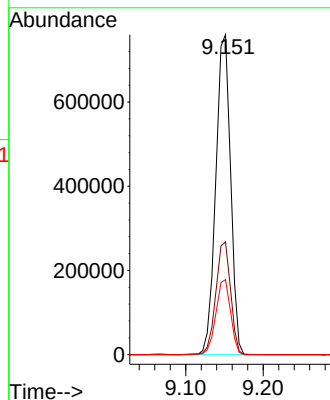
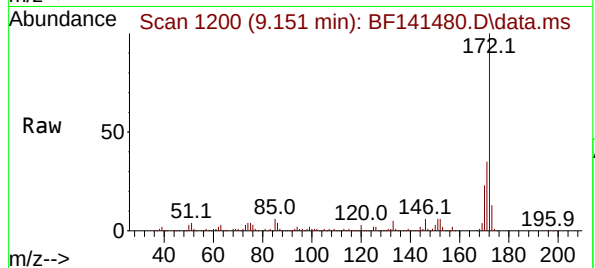
Tgt Ion:172 Resp: 1012492

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 39.519 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

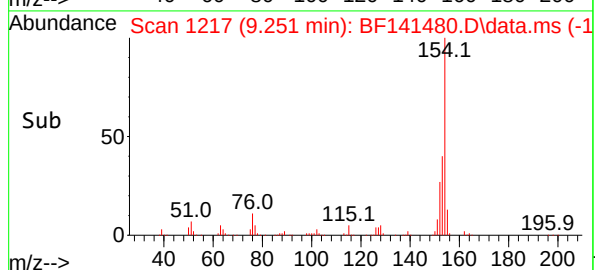
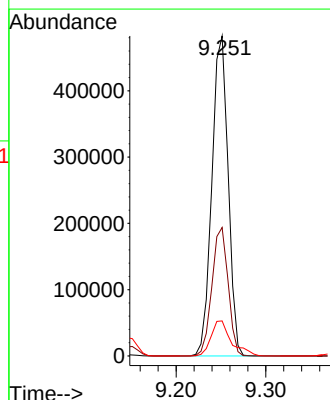
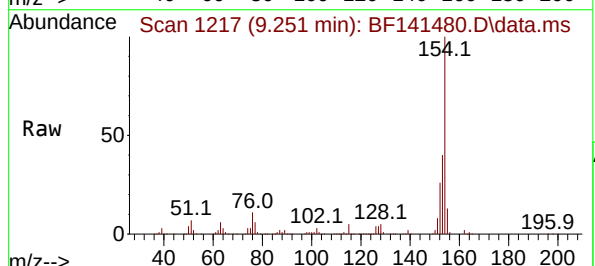
Tgt Ion:154 Resp: 606611

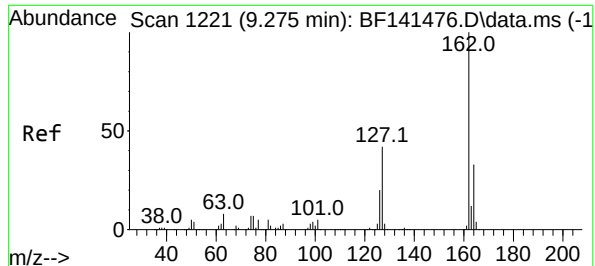
Ion Ratio Lower Upper

154 100

153 40.1 20.4 60.4

76 10.9 0.0 30.8





#47

2-Chloronaphthalene

Concen: 39.453 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

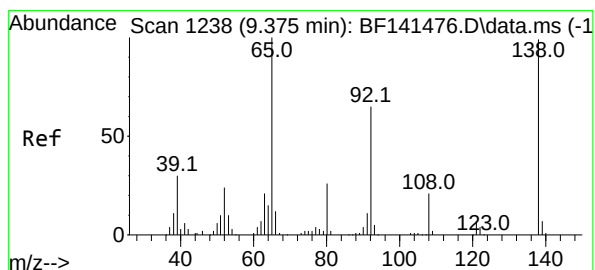
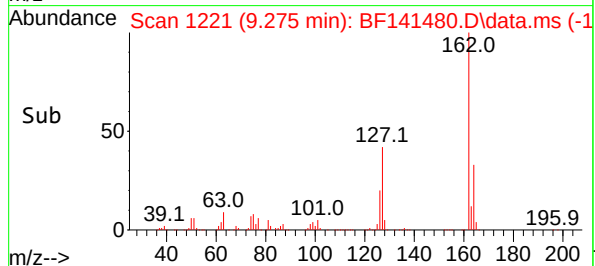
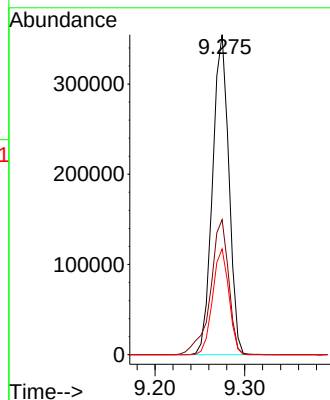
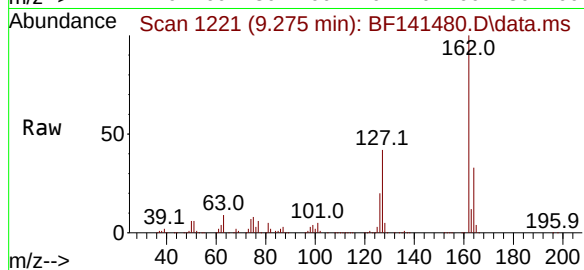
Tgt Ion:162 Resp: 447817

Ion Ratio Lower Upper

162 100

127 42.2 34.1 51.1

164 33.1 26.3 39.5



#48

2-Nitroaniline

Concen: 40.451 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

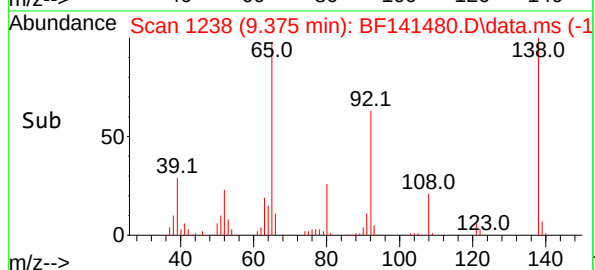
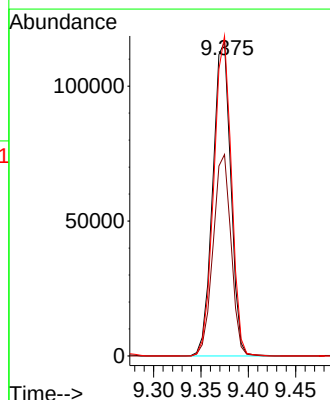
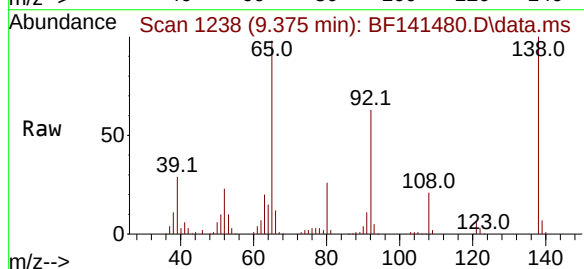
Tgt Ion: 65 Resp: 154092

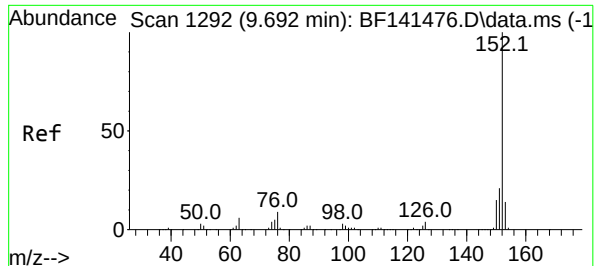
Ion Ratio Lower Upper

65 100

92 64.2 52.2 78.2

138 101.9 79.5 119.3





#49

Acenaphthylene

Concen: 39.734 ng

RT: 9.687 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

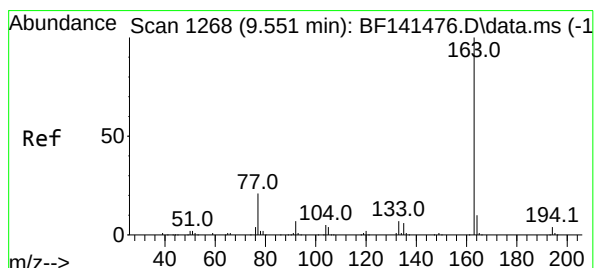
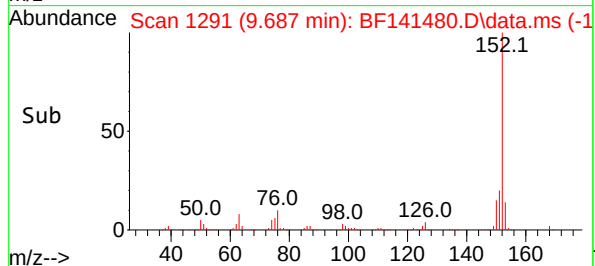
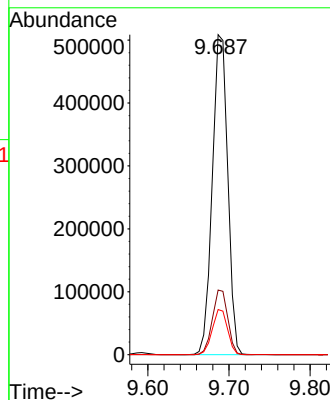
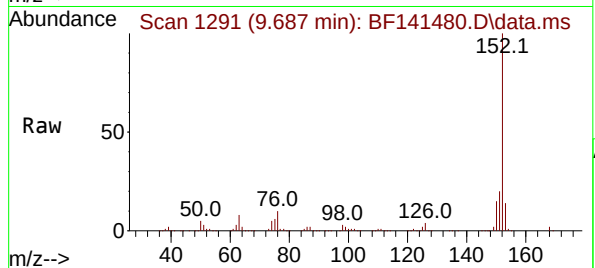
Tgt Ion:152 Resp: 670833

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 39.488 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

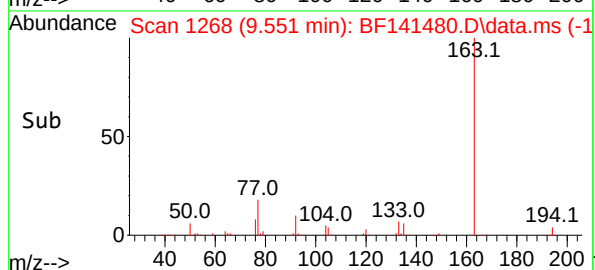
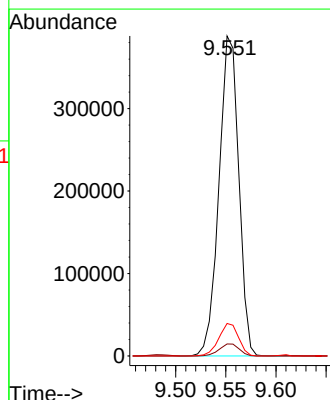
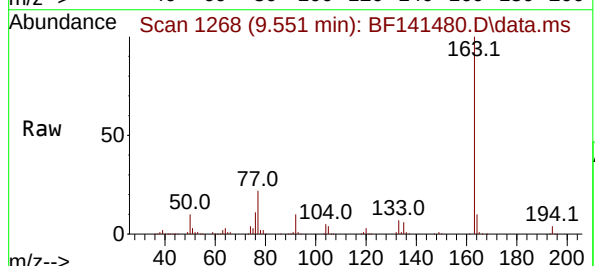
Tgt Ion:163 Resp: 530769

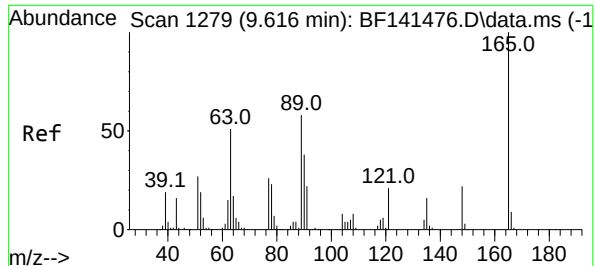
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.2 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 39.965 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

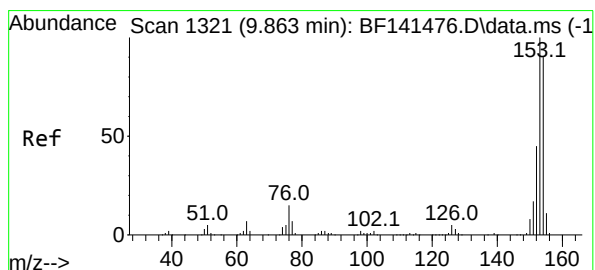
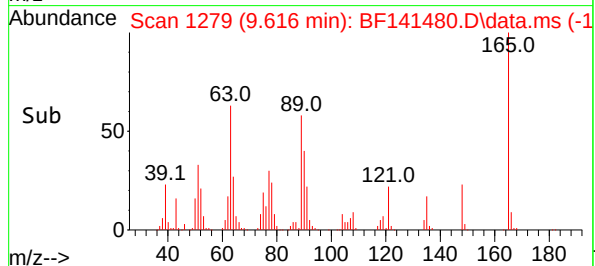
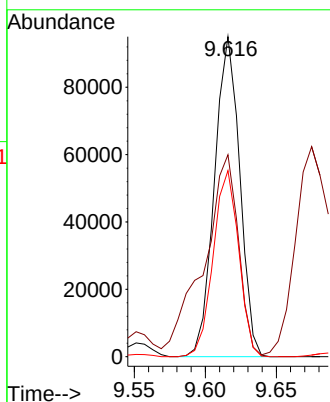
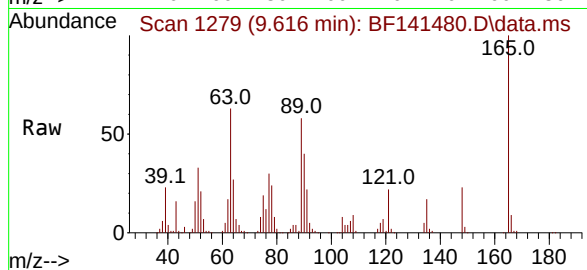
Tgt Ion:165 Resp: 117431

Ion Ratio Lower Upper

165 100

63 63.1 49.4 74.0

89 58.2 46.5 69.7



#52

Acenaphthene

Concen: 39.893 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

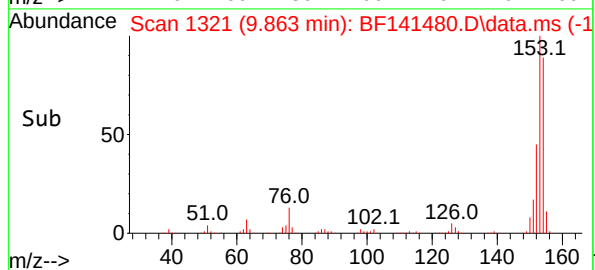
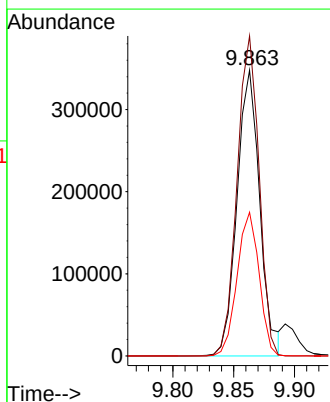
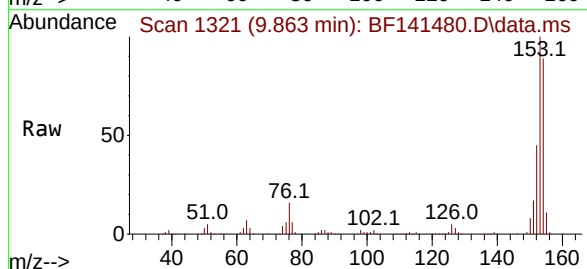
Tgt Ion:154 Resp: 452794

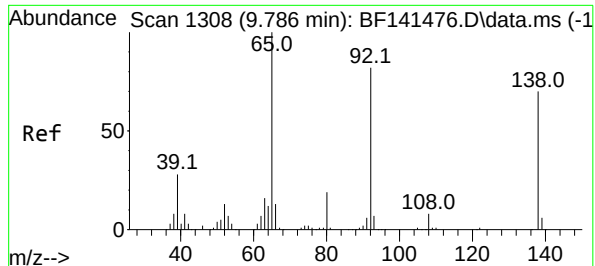
Ion Ratio Lower Upper

154 100

153 112.0 89.2 133.8

152 50.2 39.8 59.8

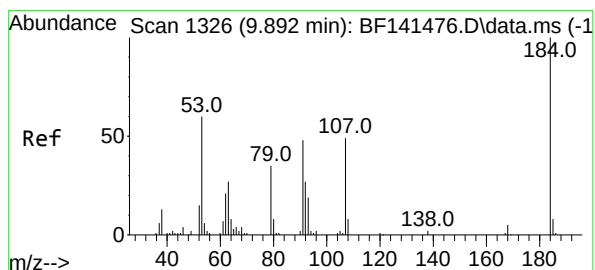
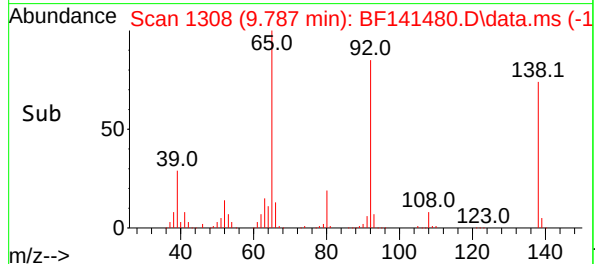
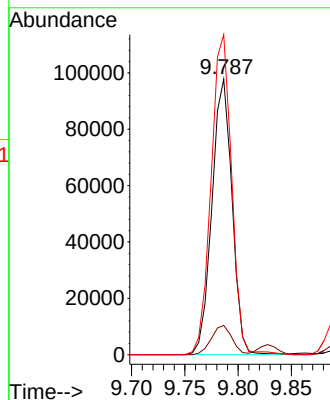
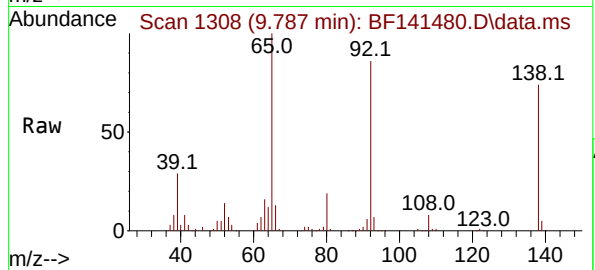




#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

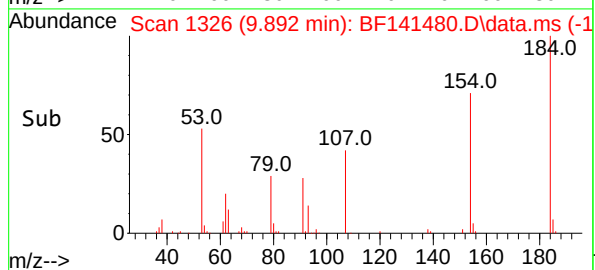
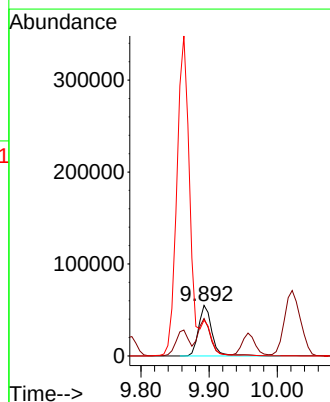
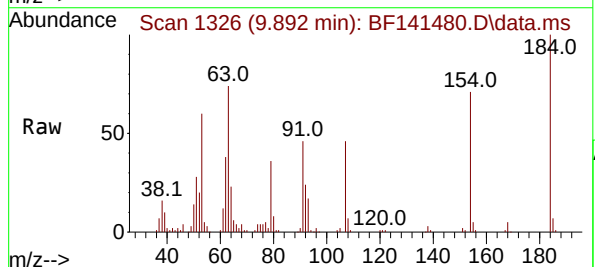
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

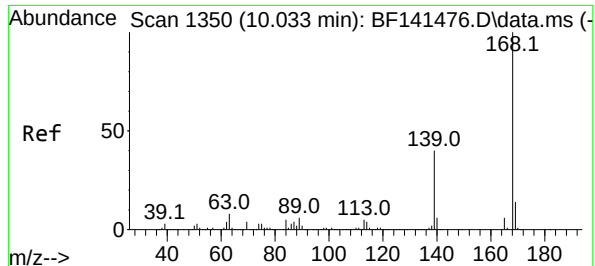
Tgt Ion:138 Resp: 127965
Ion Ratio Lower Upper
138 100
108 10.7 9.0 13.4
92 116.2 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:184 Resp: 74461
Ion Ratio Lower Upper
184 100
63 74.2 61.0 91.6
154 71.0 59.9 89.9





#55

Dibenzenofuran

Concen: 39.860 ng

RT: 10.034 min Scan# 1350

Delta R.T. -0.005 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

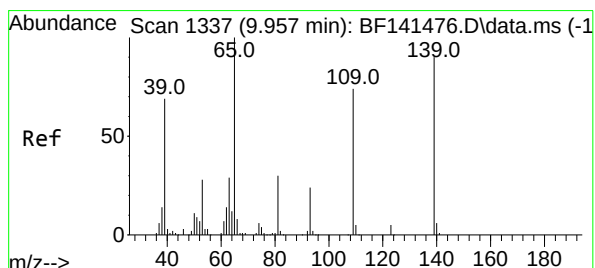
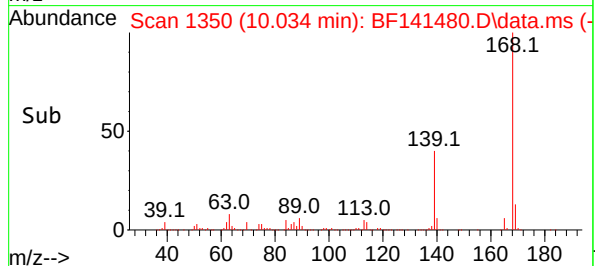
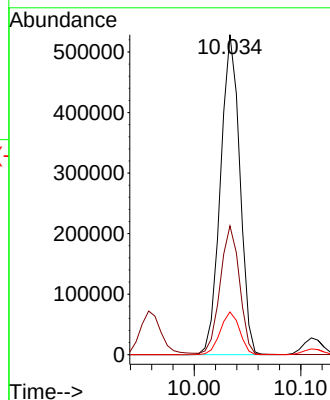
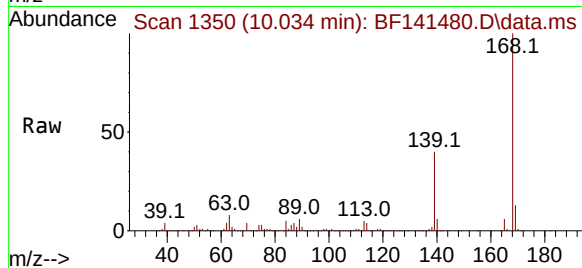
Tgt Ion:168 Resp: 664069

Ion Ratio Lower Upper

168 100

139 40.2 32.7 49.1

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 42.166 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

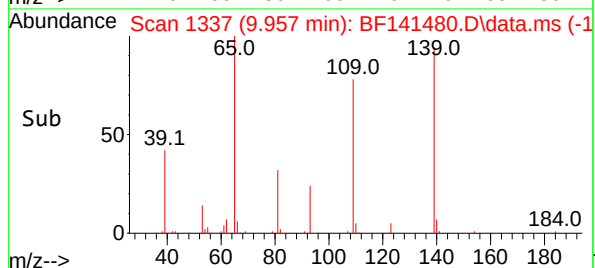
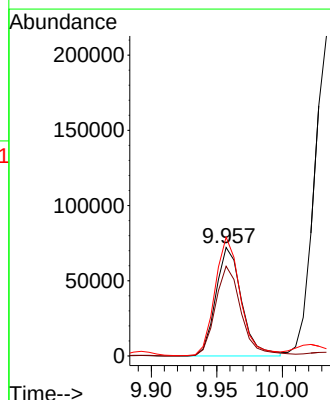
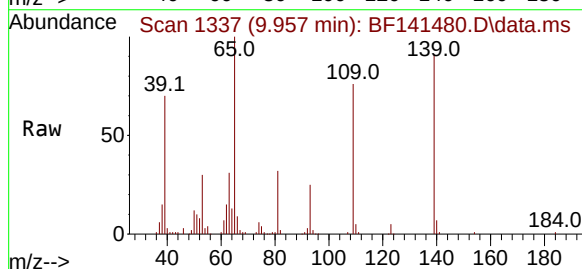
Tgt Ion:139 Resp: 98990

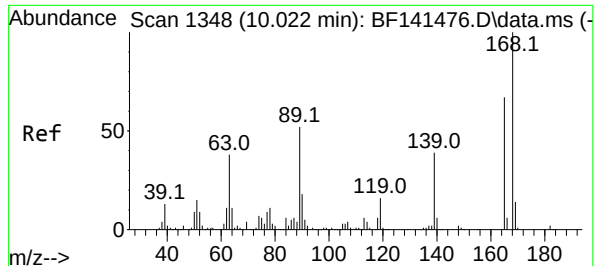
Ion Ratio Lower Upper

139 100

109 82.7 62.0 102.0

65 109.5 91.2 131.2

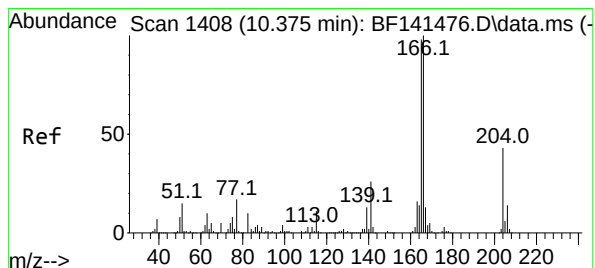
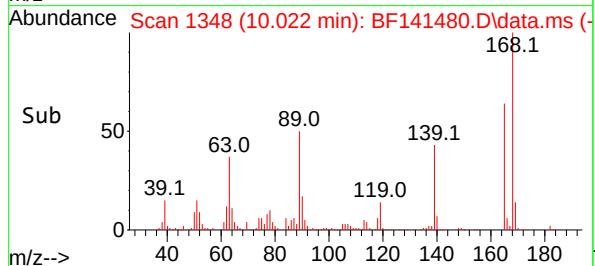
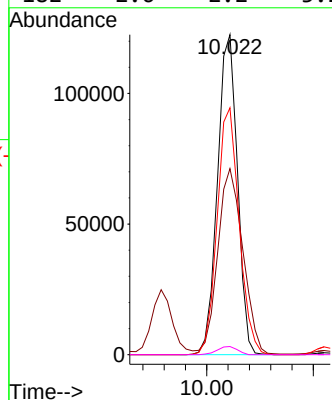
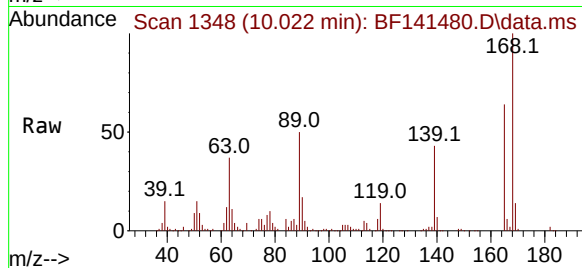




#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

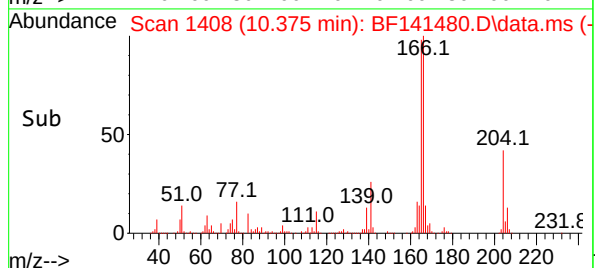
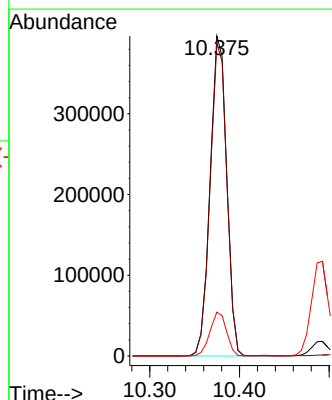
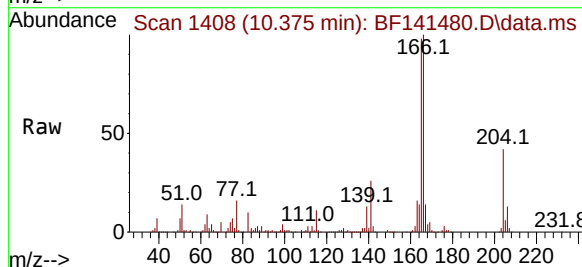
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

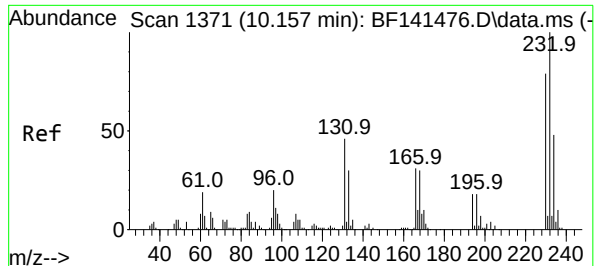
Tgt Ion:165 Resp: 158941
Ion Ratio Lower Upper
165 100
63 58.1 46.4 69.6
89 77.2 61.8 92.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:166 Resp: 508833
Ion Ratio Lower Upper
166 100
165 97.8 78.2 117.2
167 13.7 10.7 16.1

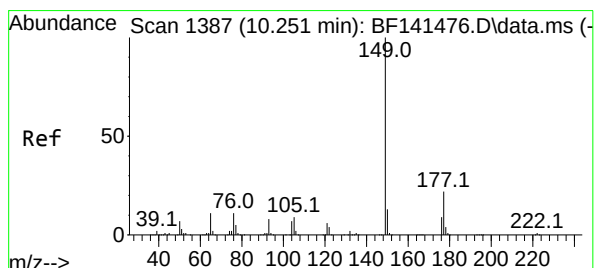
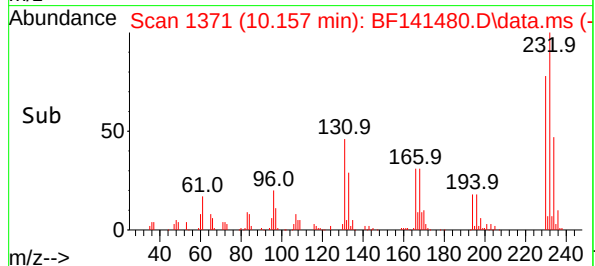
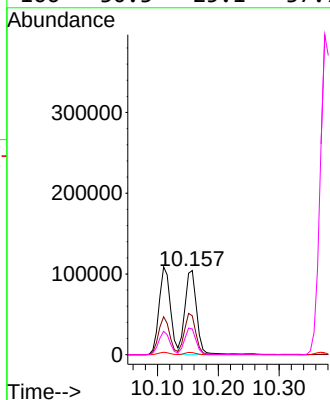
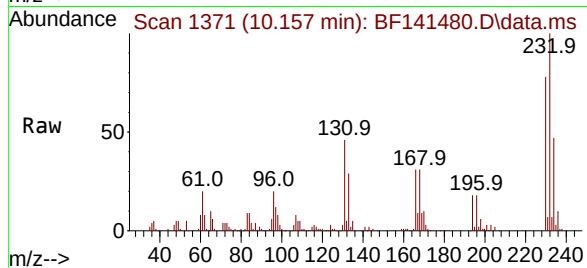




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

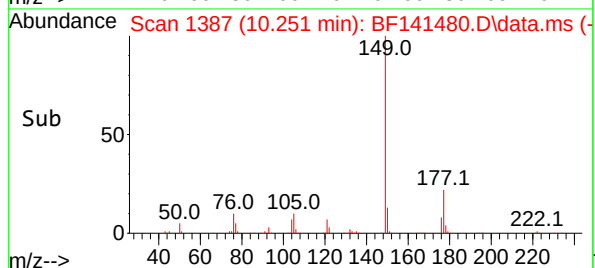
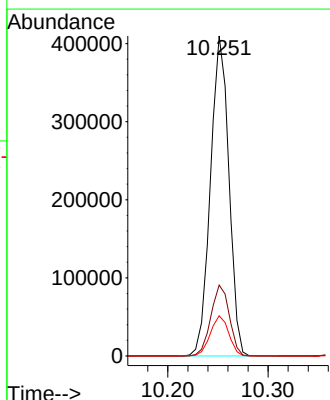
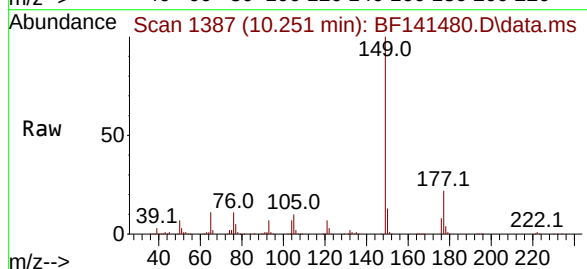
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

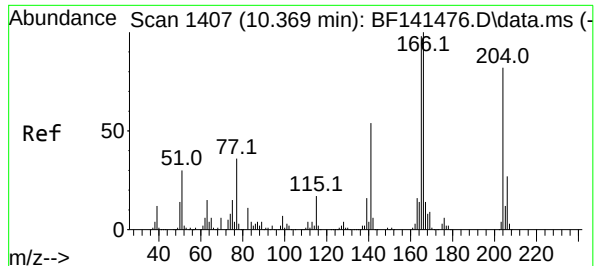
Tgt Ion:232 Resp: 139688
Ion Ratio Lower Upper
232 100
131 46.8 39.2 58.8
130 2.6 2.1 3.1
166 30.3 25.1 37.7



#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 521933
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1

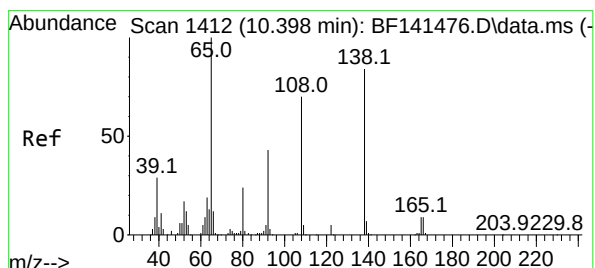
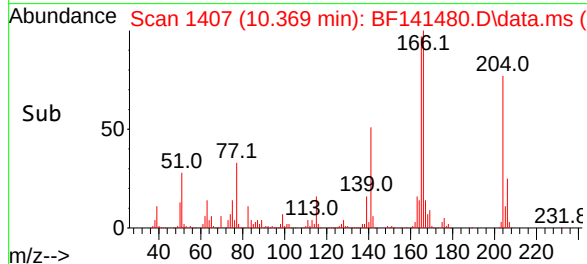
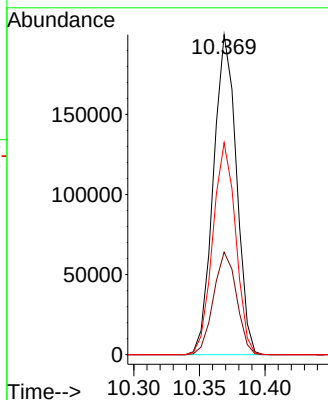
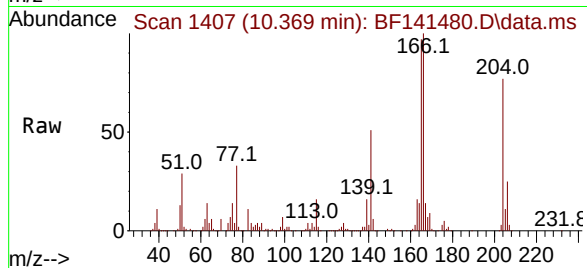




#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

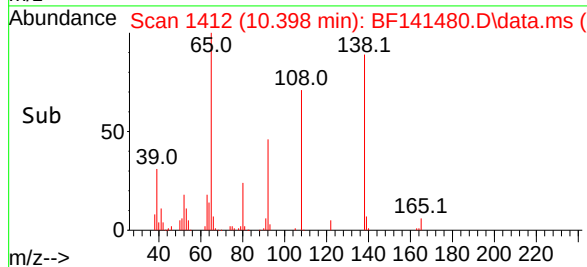
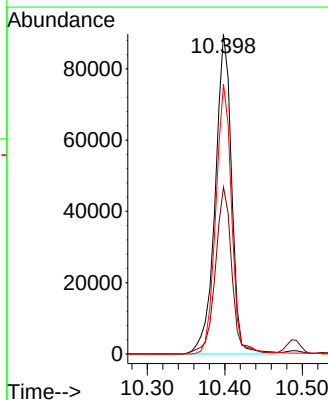
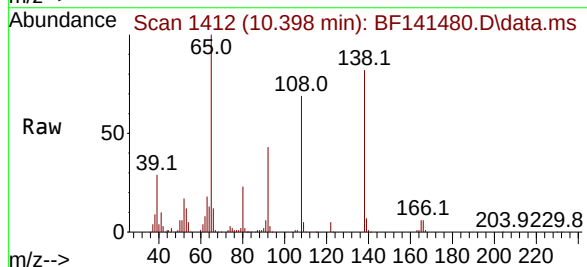
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

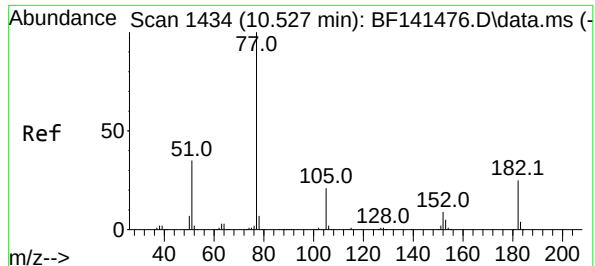
Tgt Ion:204 Resp: 243659
Ion Ratio Lower Upper
204 100
206 32.1 26.6 40.0
141 66.2 51.9 77.9



#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

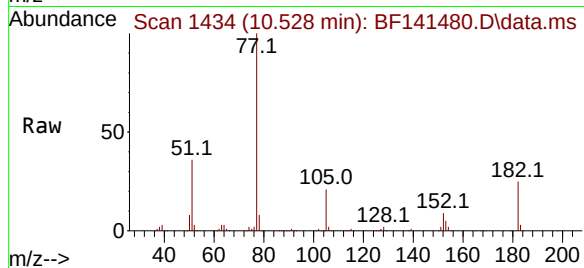
Tgt Ion:138 Resp: 132059
Ion Ratio Lower Upper
138 100
92 52.1 31.3 71.3
108 84.3 63.7 103.7





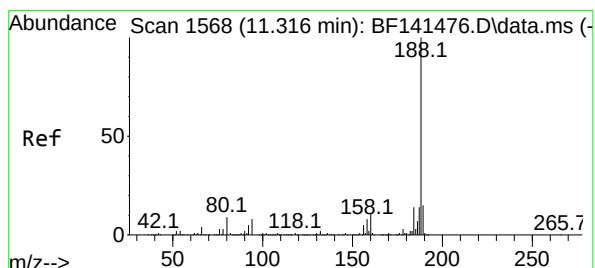
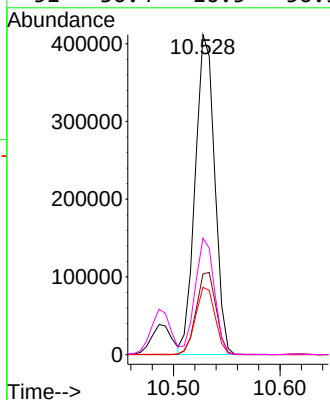
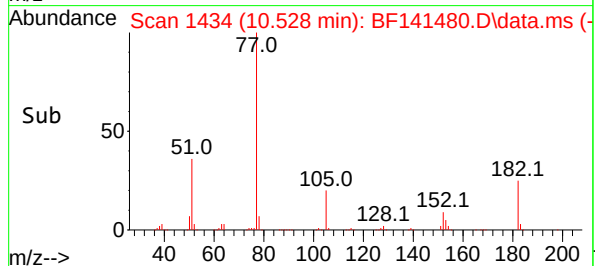
#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

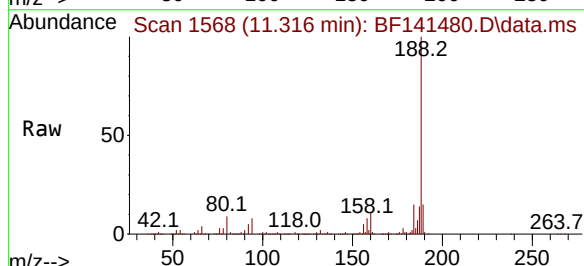


Tgt Ion: 77 Resp: 522705

Ion	Ratio	Lower	Upper
77	100		
182	25.2	4.7	44.7
105	21.0	0.4	40.4
51	36.4	16.5	56.5

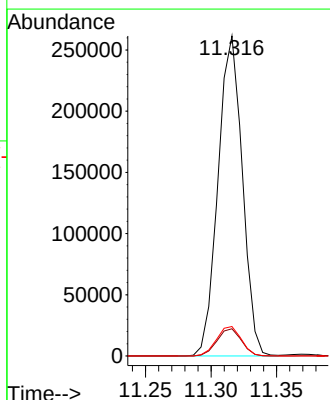
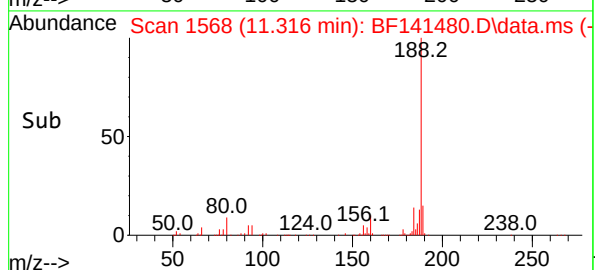


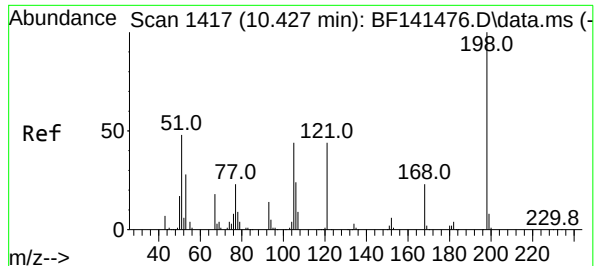
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03



Tgt Ion: 188 Resp: 337289

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.2	7.3	10.9

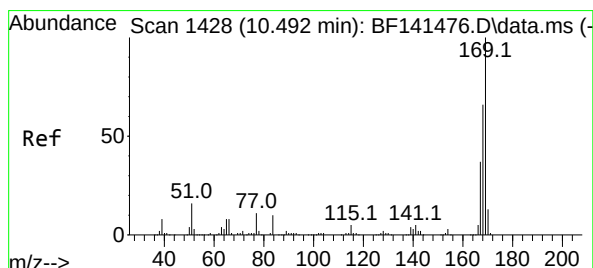
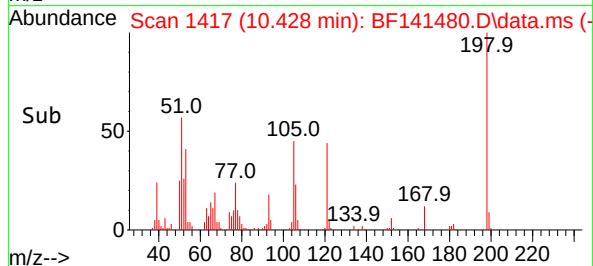
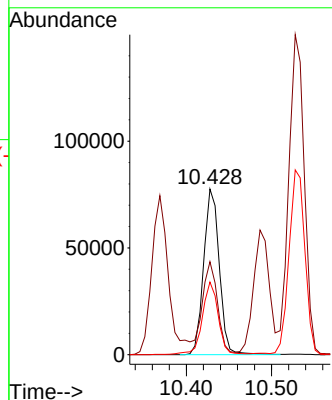
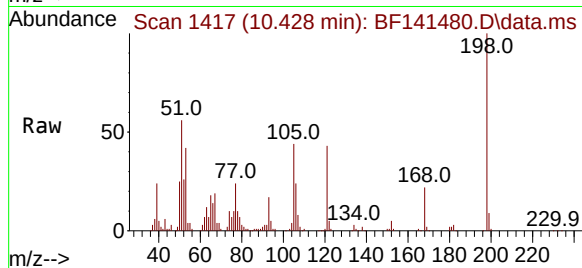




#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

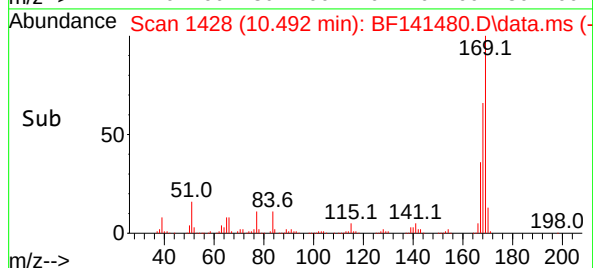
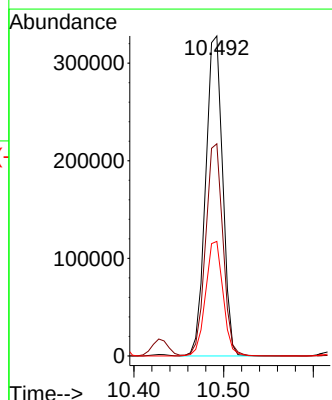
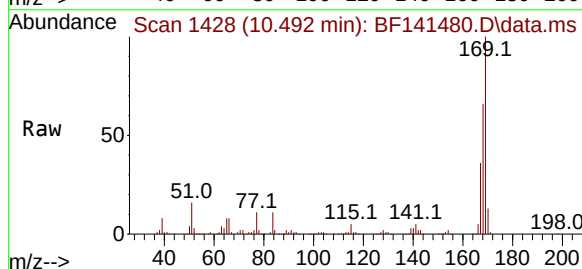
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

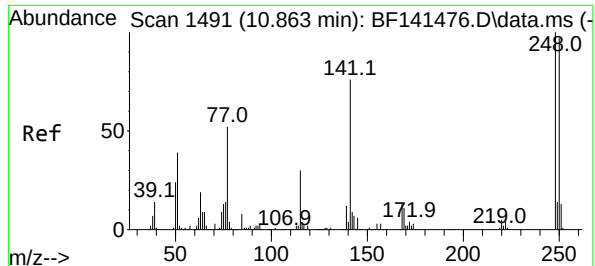
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.2	37.4	77.4
105	43.9	25.2	65.2



#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.3	79.9
167	35.8	29.4	44.2

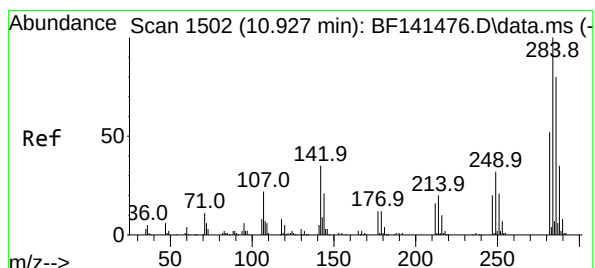
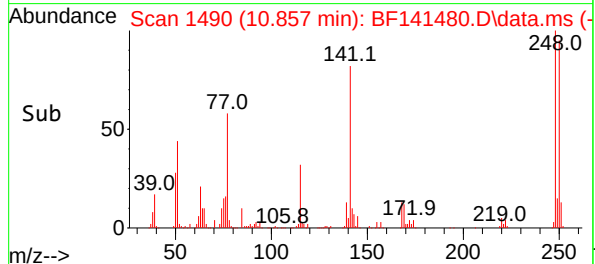
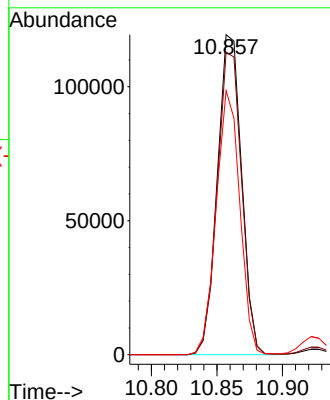
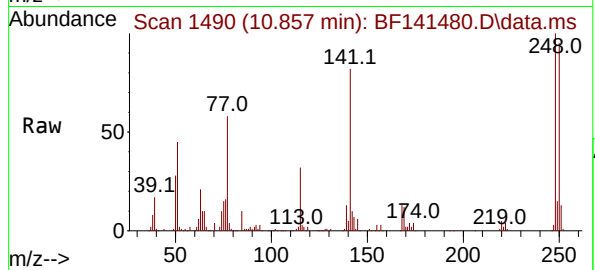




#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

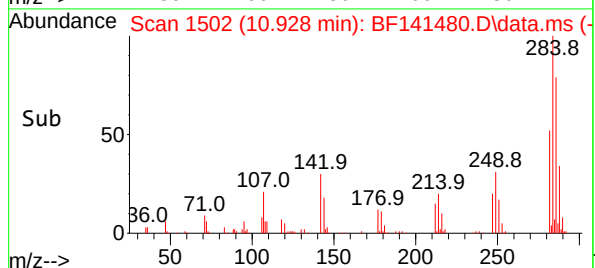
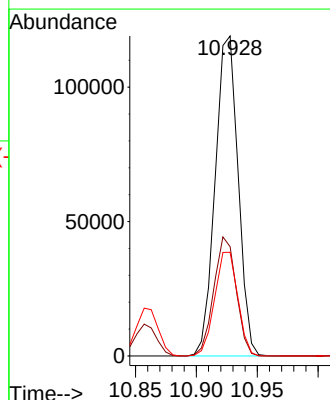
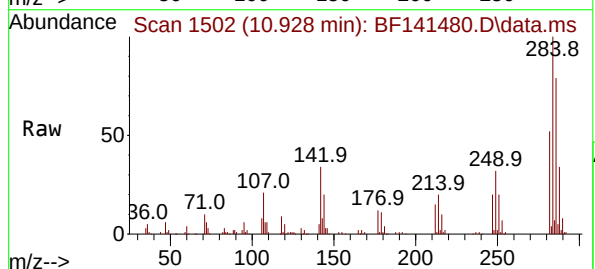
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

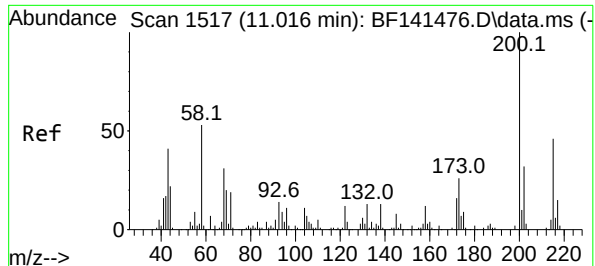
Tgt Ion:248 Resp: 154044
Ion Ratio Lower Upper
248 100
250 94.5 77.8 116.6
141 82.5 60.6 90.8



#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:284 Resp: 156075
Ion Ratio Lower Upper
284 100
142 34.2 28.0 42.0
249 32.4 25.8 38.8





#69

Atrazine

Concen: 39.358 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.005 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

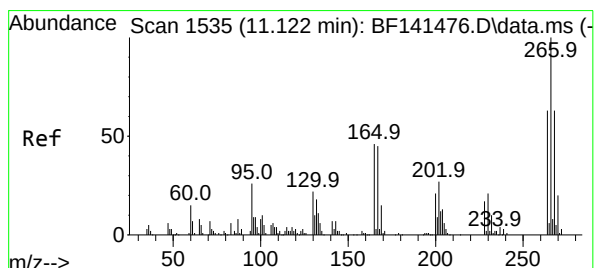
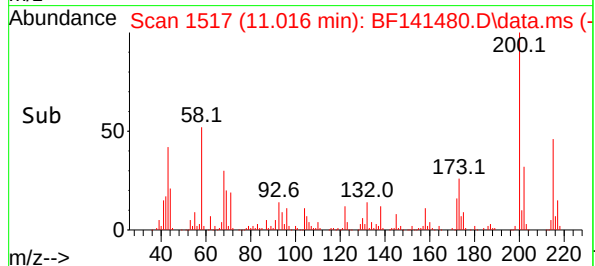
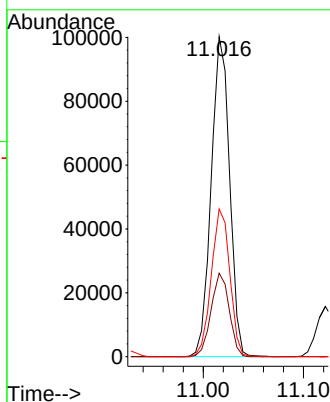
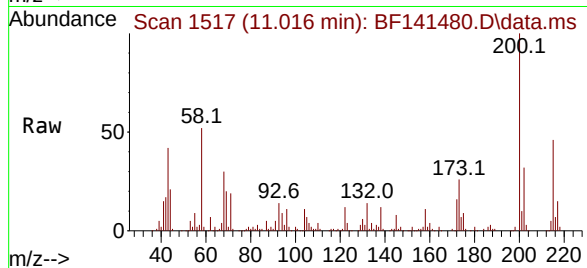
Tgt Ion:200 Resp: 127486

Ion Ratio Lower Upper

200 100

173 26.1 5.9 45.9

215 46.2 25.9 65.9



#70

Pentachlorophenol

Concen: 42.476 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

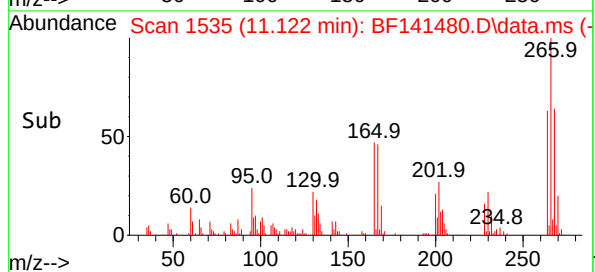
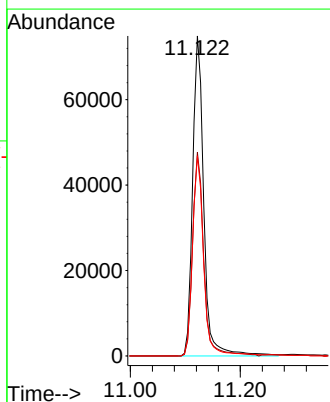
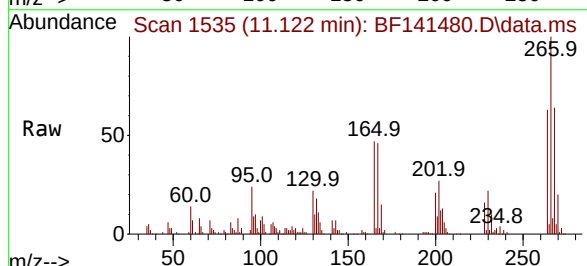
Tgt Ion:266 Resp: 105427

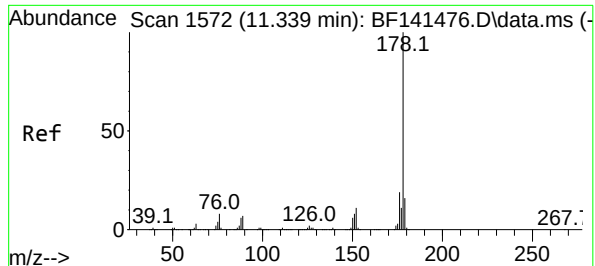
Ion Ratio Lower Upper

266 100

268 63.6 50.1 75.1

264 62.5 50.1 75.1

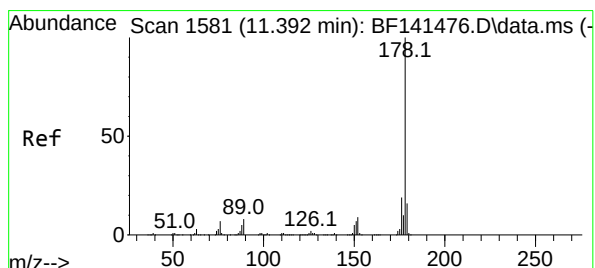
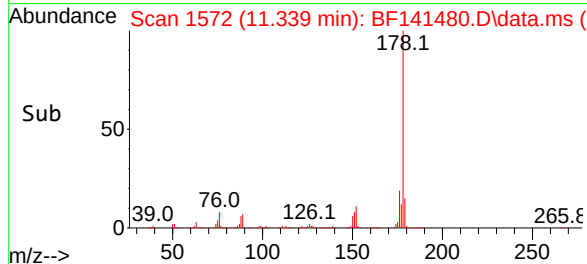
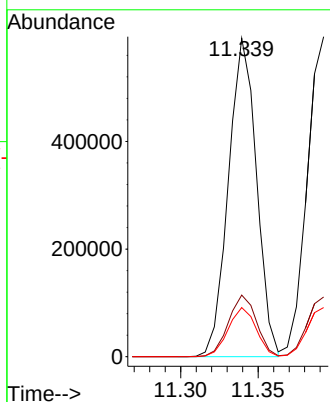
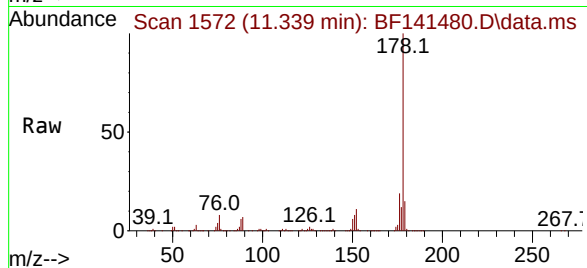




#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

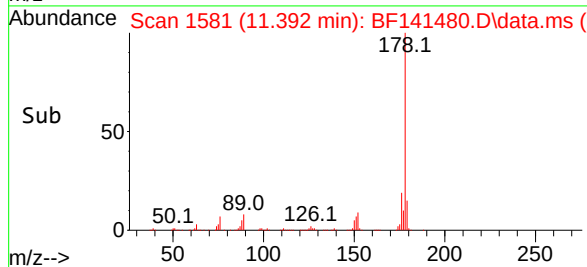
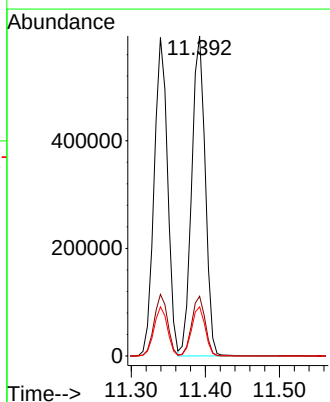
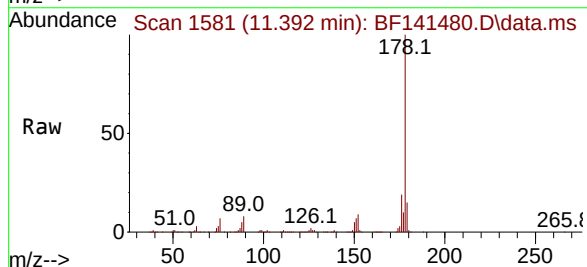
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

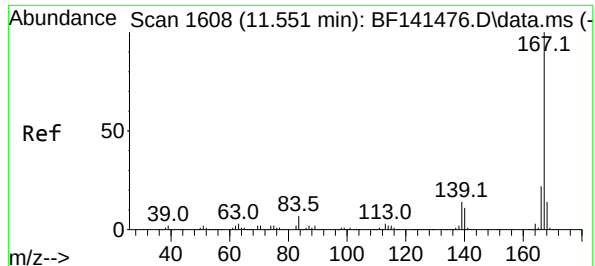
Tgt Ion:178 Resp: 744761
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:178 Resp: 753295
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.3 12.4 18.6

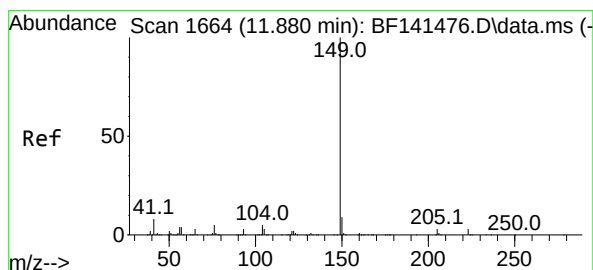
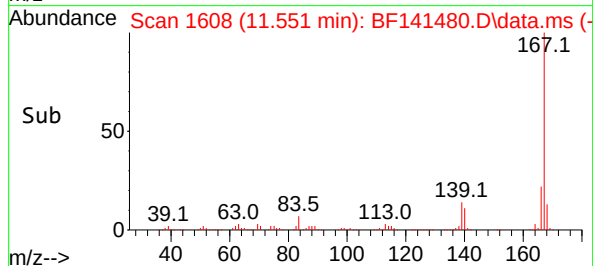
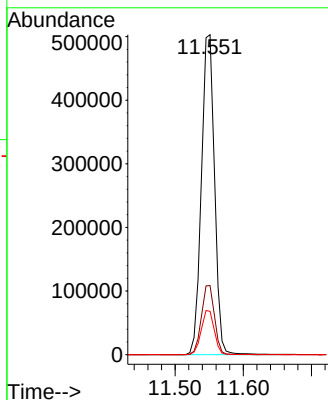
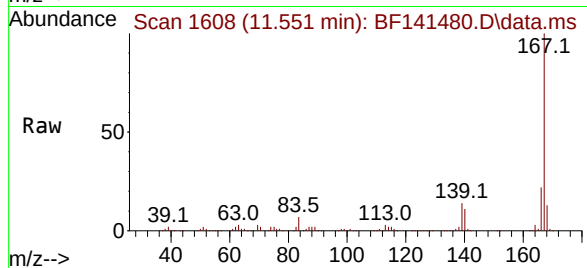




#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

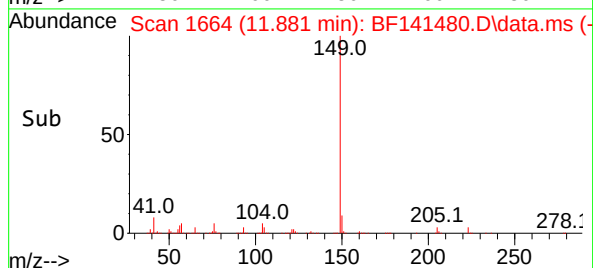
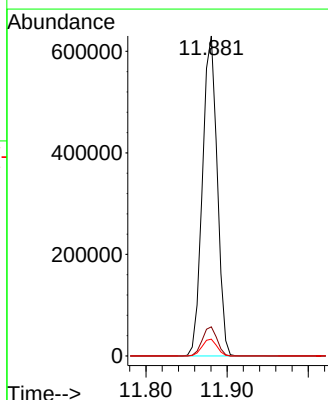
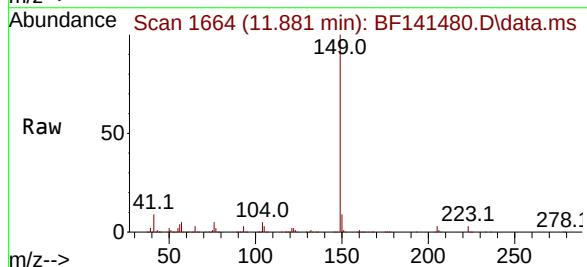
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

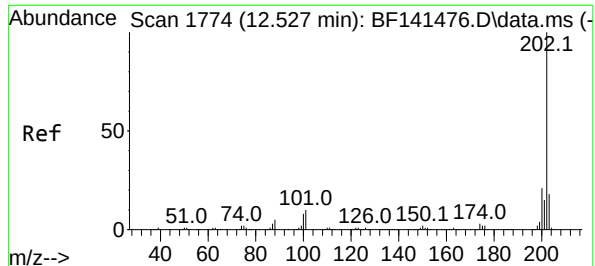
Tgt Ion:167 Resp: 676218
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.6 10.9 16.3



#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 794101
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 4.2 6.2

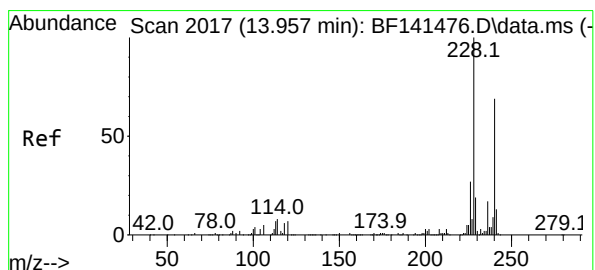
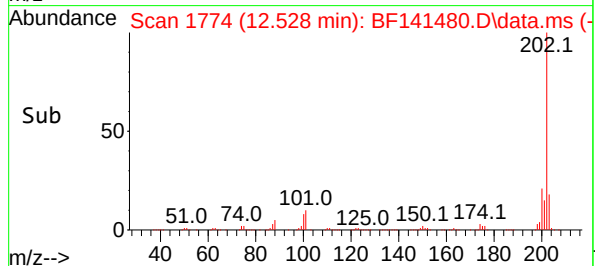
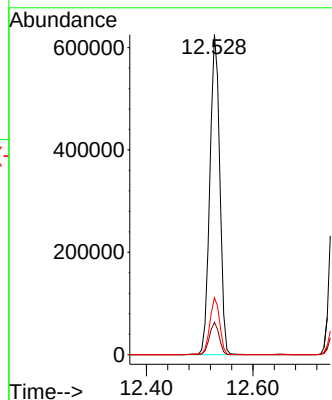
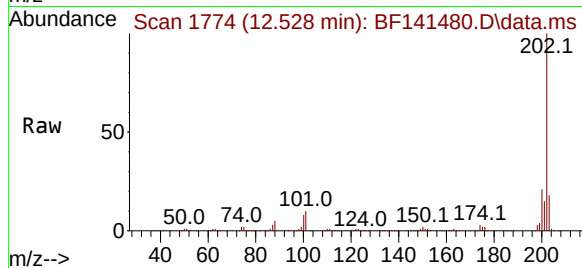




#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

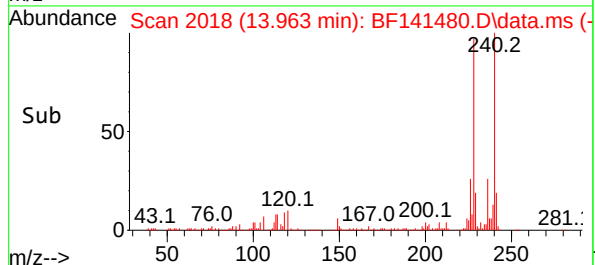
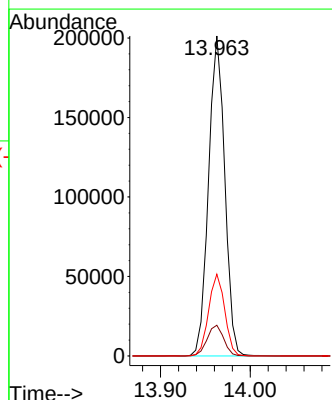
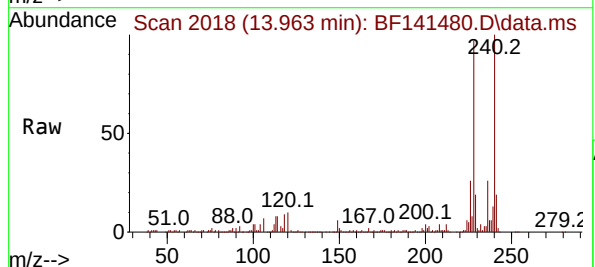
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

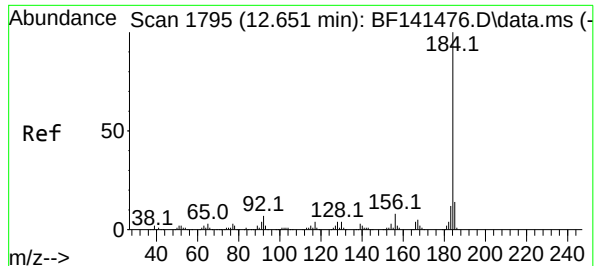
Tgt Ion:202 Resp: 807256
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:240 Resp: 252530
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.6 19.8 29.8

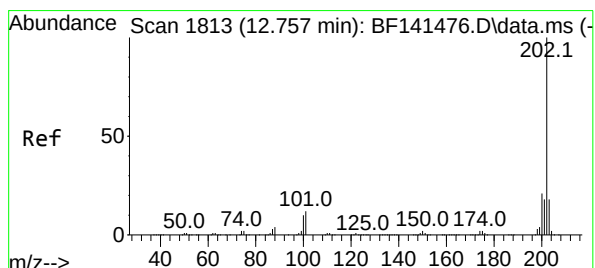
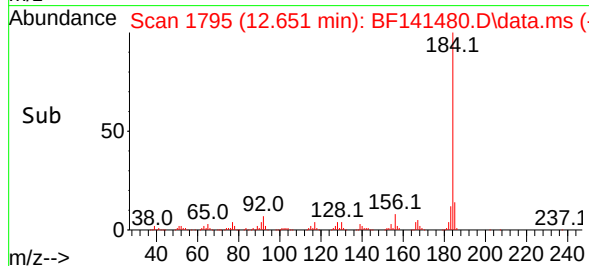
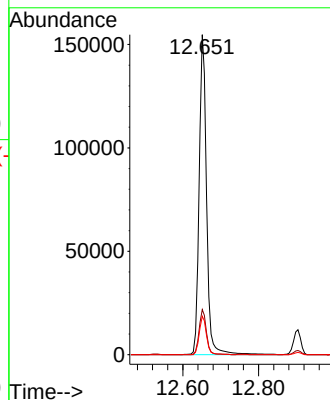
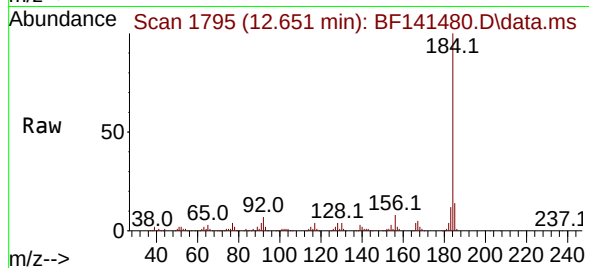




#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

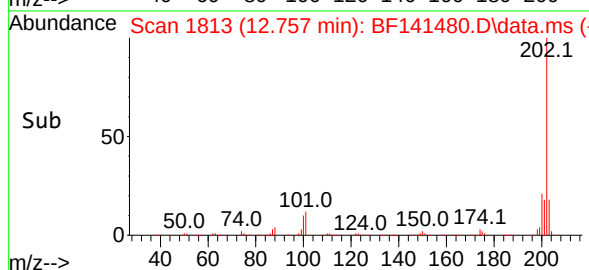
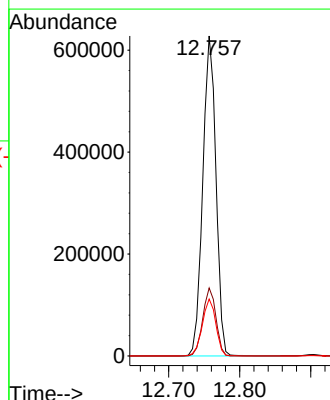
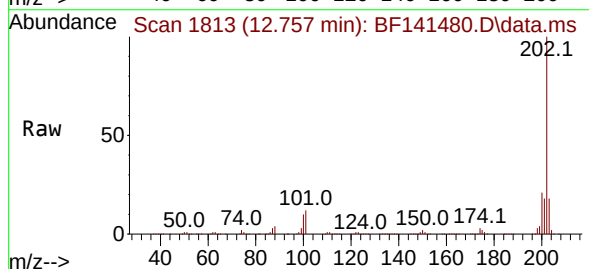
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

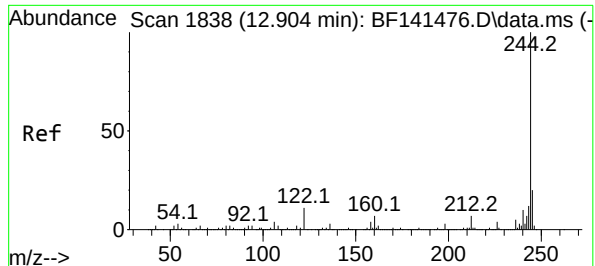
Tgt Ion:184 Resp: 211734
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.0 9.3 13.9



#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:202 Resp: 812250
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 75.750 ng

RT: 12.904 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

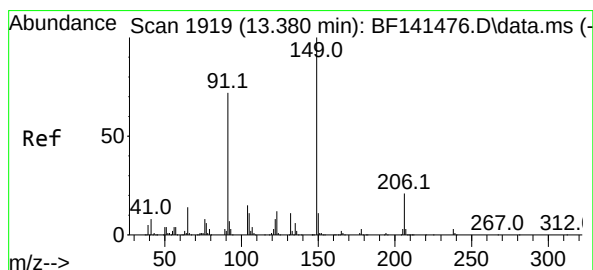
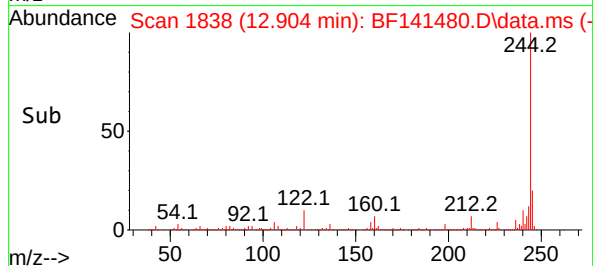
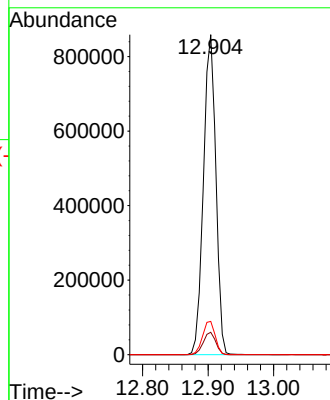
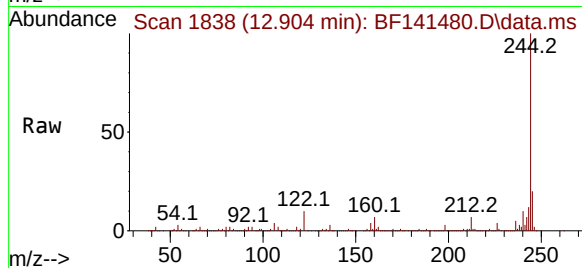
Tgt Ion:244 Resp: 1133126

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.4 8.4 12.6



#80

Butylbenzylphthalate

Concen: 41.781 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

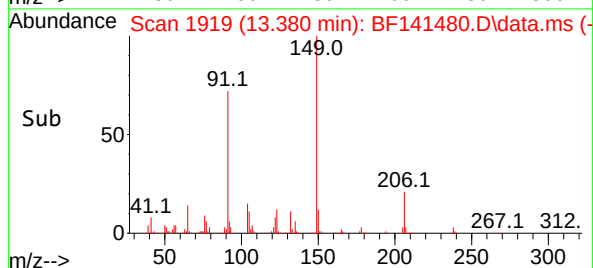
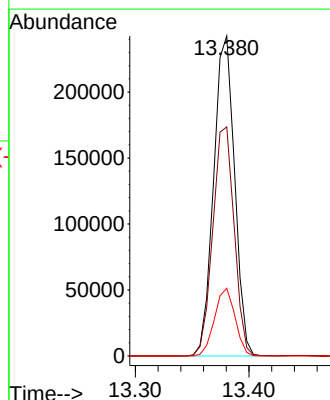
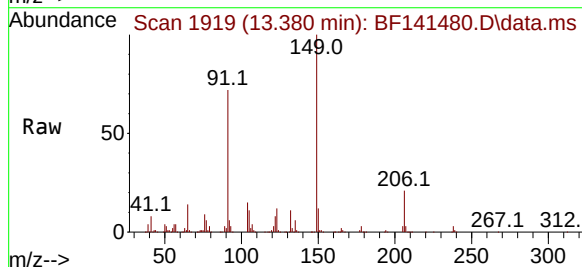
Tgt Ion:149 Resp: 311103

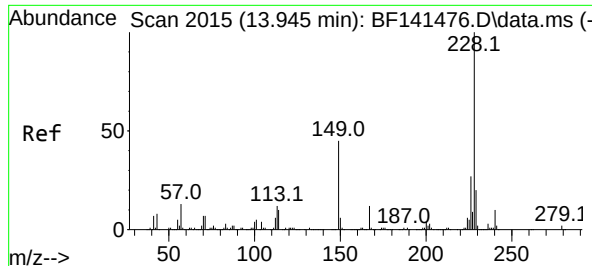
Ion Ratio Lower Upper

149 100

91 71.6 57.8 86.8

206 21.2 16.7 25.1

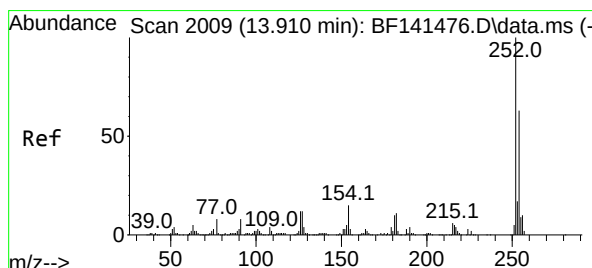
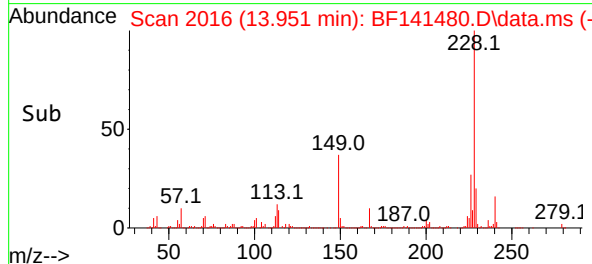
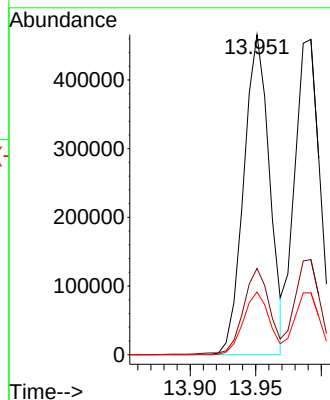
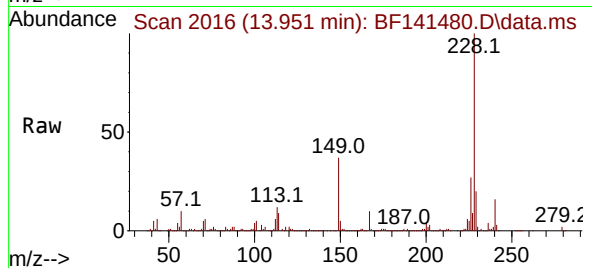




#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

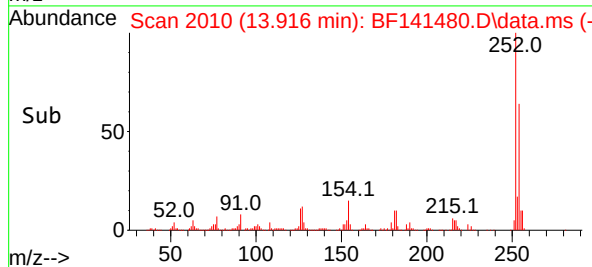
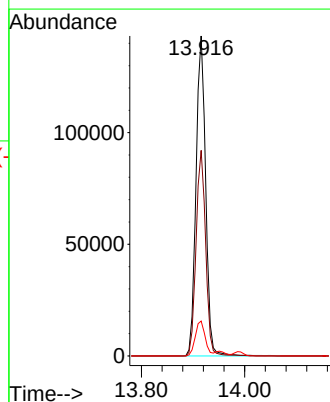
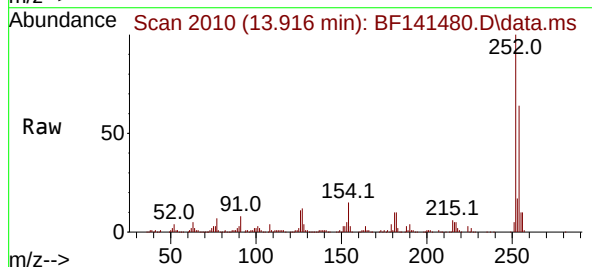
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

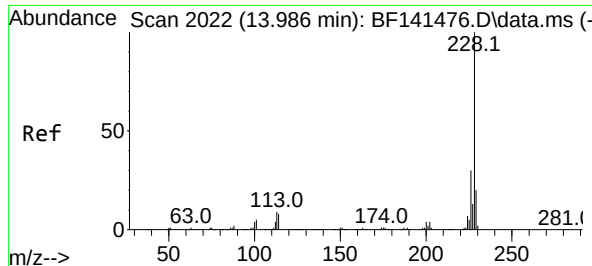
Tgt Ion:228 Resp: 638036
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 185650
Ion Ratio Lower Upper
252 100
254 64.3 50.6 76.0
126 10.9 9.3 13.9





#83

Chrysene

Concen: 39.361 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

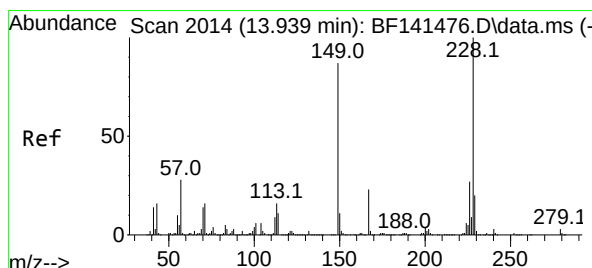
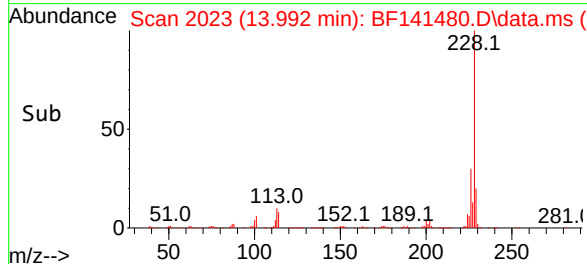
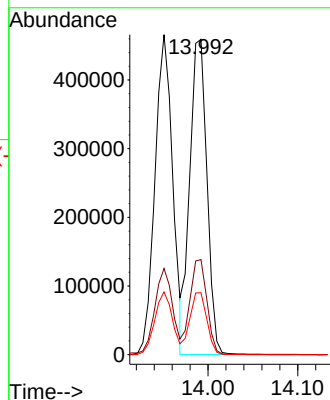
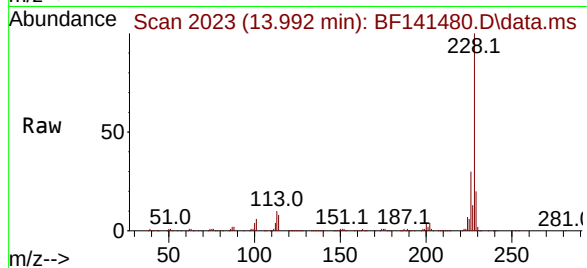
Tgt Ion:228 Resp: 610091

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.229 ng

RT: 13.945 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

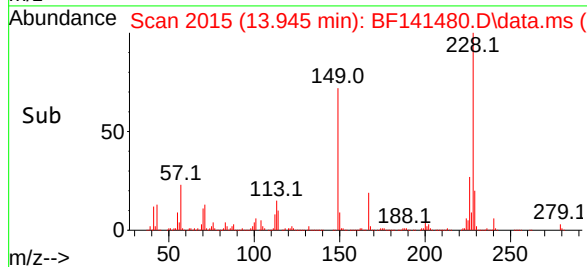
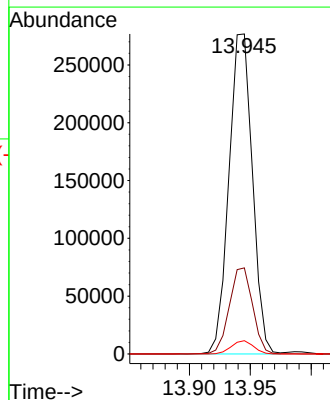
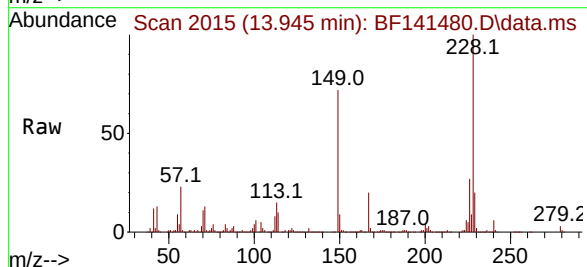
Tgt Ion:149 Resp: 371434

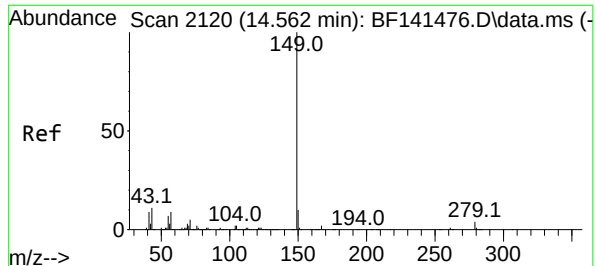
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 4.1 3.1 4.7

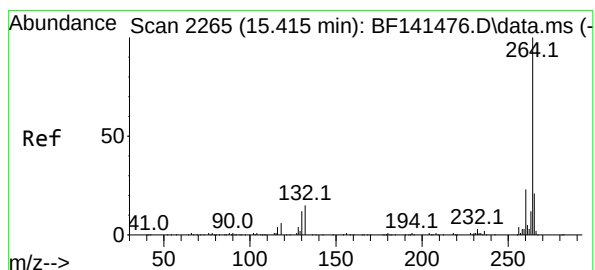
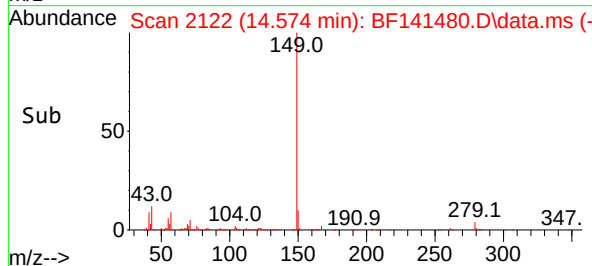
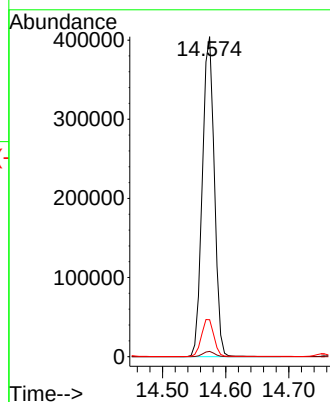
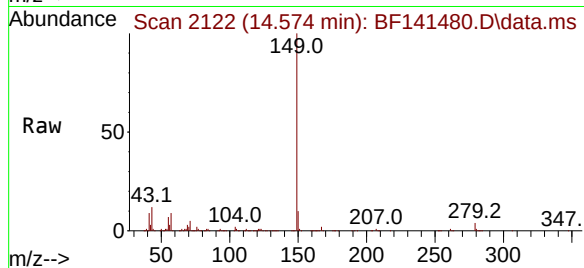




#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 2120
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

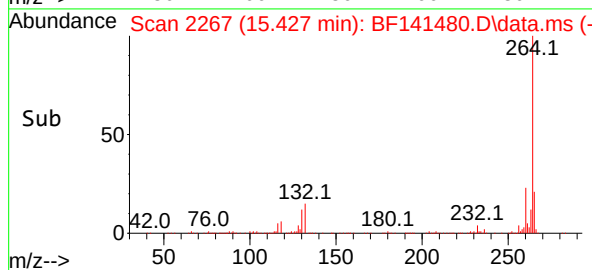
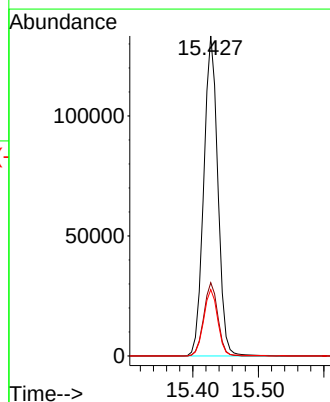
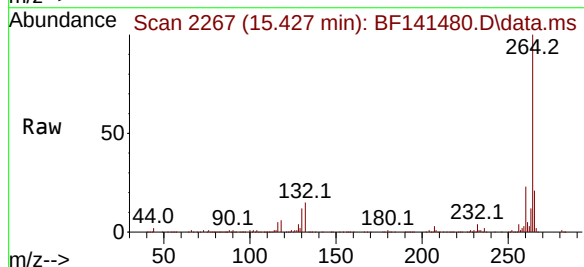
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

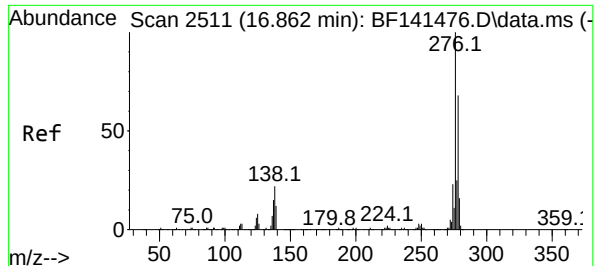
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.8	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.551 ng

RT: 16.874 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

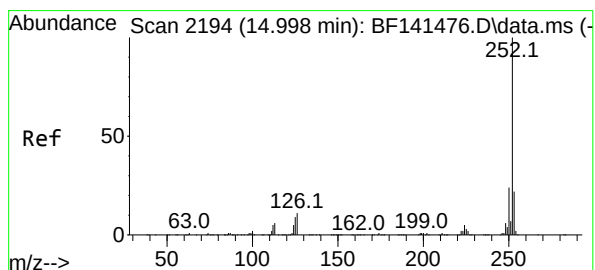
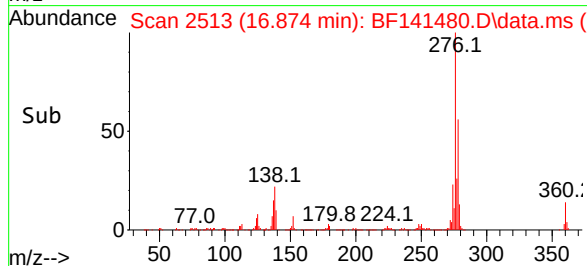
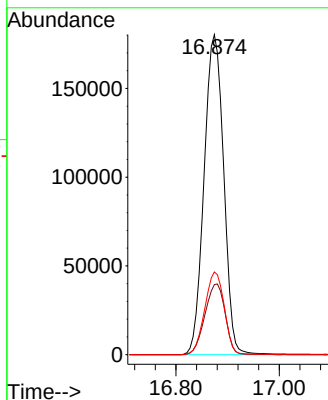
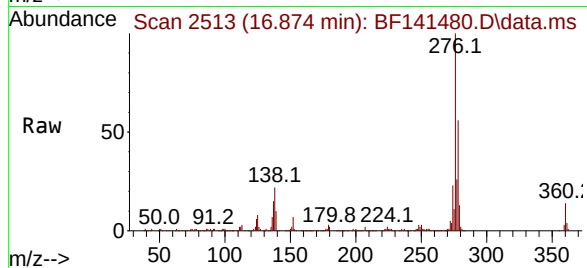
Tgt Ion:276 Resp: 474949

Ion Ratio Lower Upper

276 100

138 22.8 18.0 27.0

277 25.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 39.352 ng

RT: 15.010 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

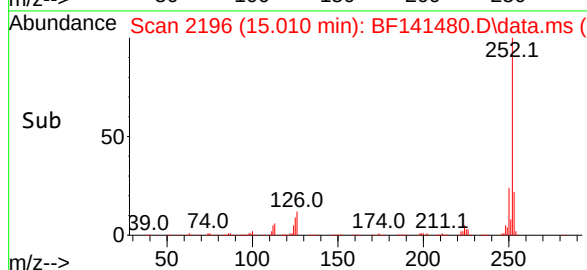
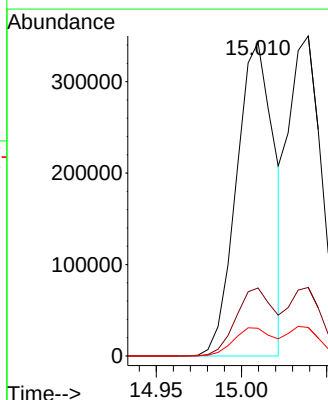
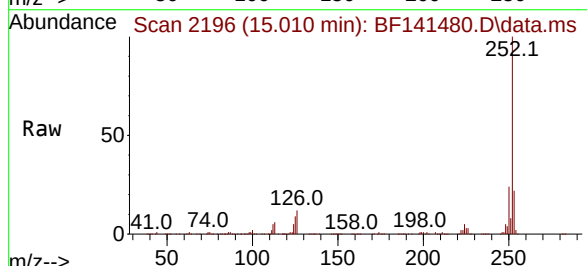
Tgt Ion:252 Resp: 526847

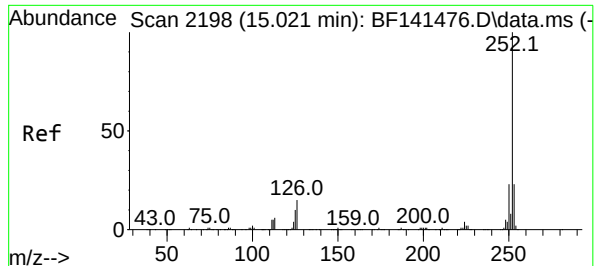
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 41.182 ng

RT: 15.039 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

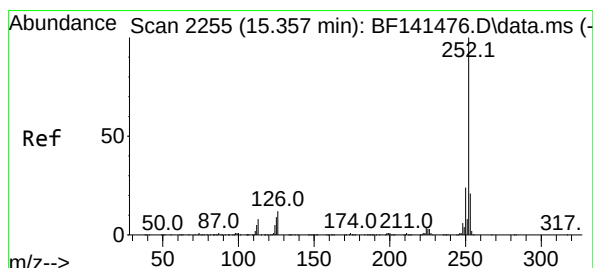
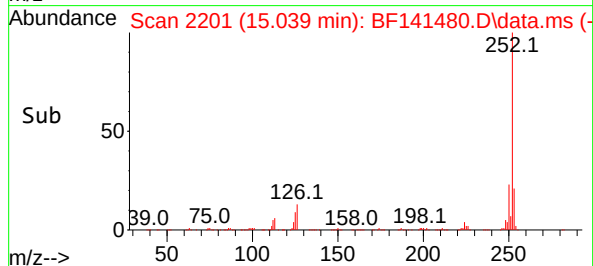
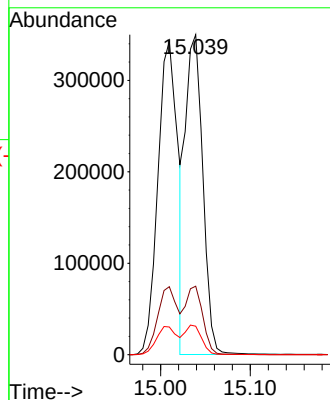
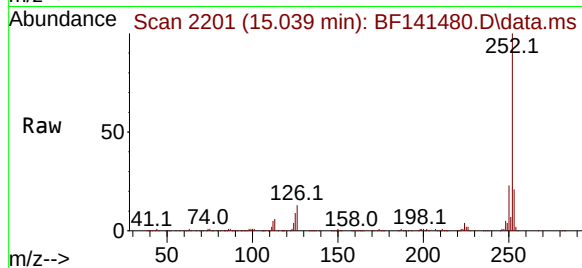
Tgt Ion:252 Resp: 470794

Ion Ratio Lower Upper

252 100

253 21.4 18.0 27.0

125 8.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.459 ng

RT: 15.369 min Scan# 2257

Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

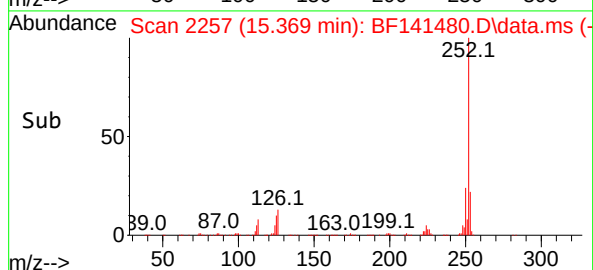
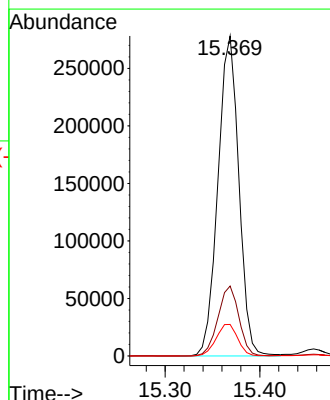
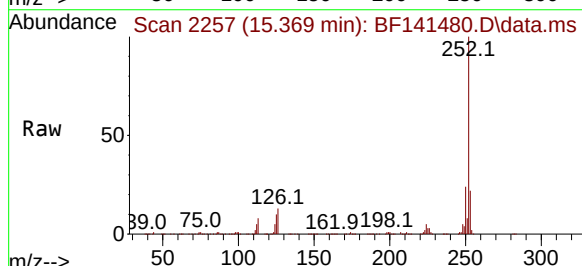
Tgt Ion:252 Resp: 427462

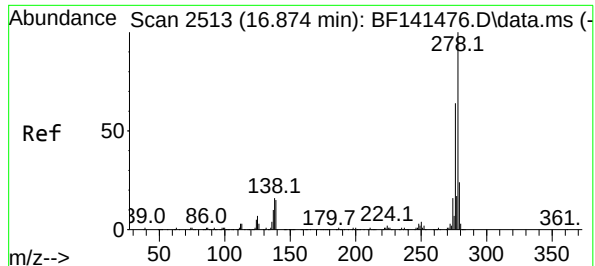
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 9.9 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 38.870 ng

RT: 16.892 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

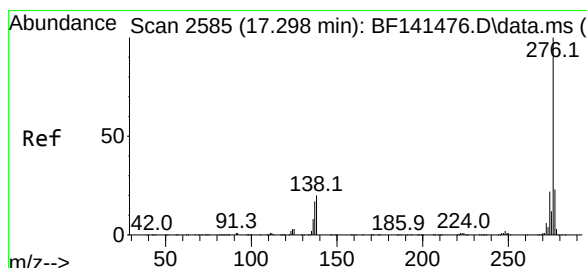
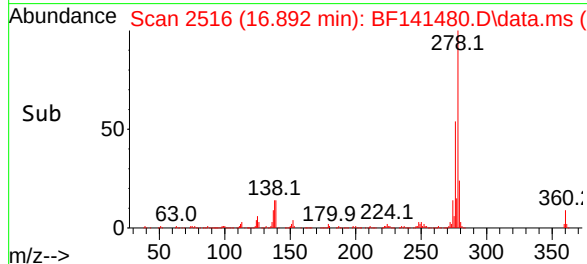
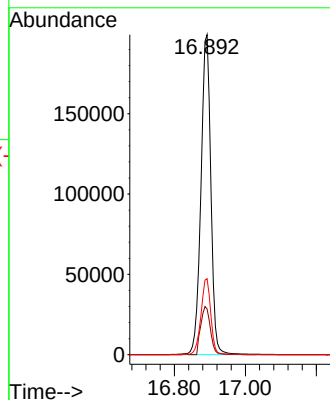
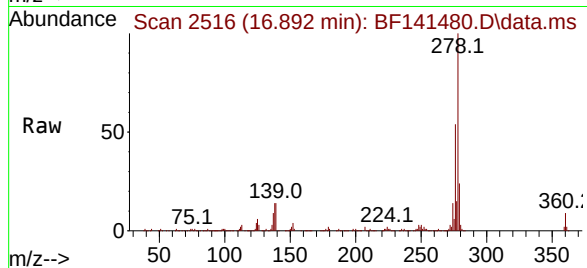
Tgt Ion:278 Resp: 388028

Ion Ratio Lower Upper

278 100

139 14.3 11.8 17.6

279 23.7 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 38.536 ng

RT: 17.310 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

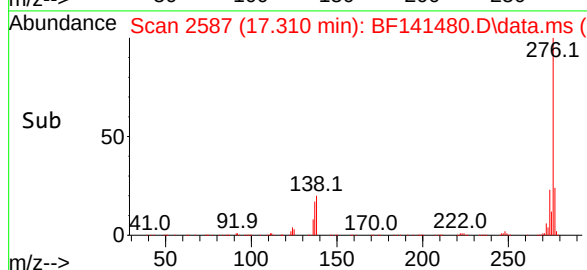
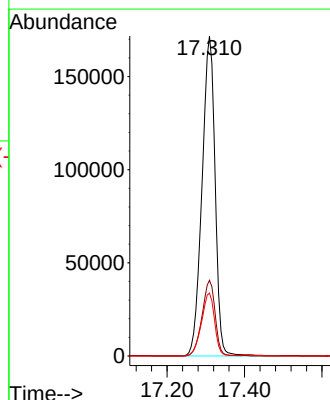
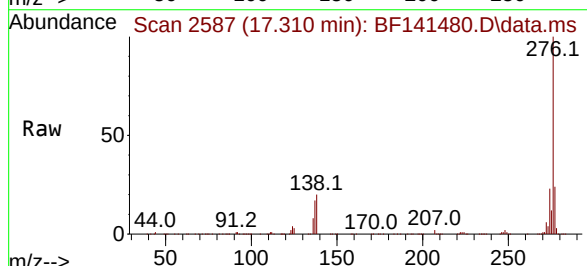
Tgt Ion:276 Resp: 402566

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 19.7 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2	1,4-Dioxane	0.513	0.518	-1.0	101	0.00
3	Pyridine	1.222	1.281	-4.8	102	-0.01
4	n-Nitrosodimethylamine	0.809	0.842	-4.1	104	-0.03
5 S	2-Fluorophenol	1.276	1.306	-2.4	102	0.00
6	Aniline	1.513	1.582	-4.6	104	-0.01
7 S	Phenol-d6	1.612	1.630	-1.1	102	-0.01
8	2-Chlorophenol	1.378	1.397	-1.4	102	-0.01
9	Benzaldehyde	0.857	0.859	-0.2	106	0.00
10 C	Phenol	1.678	1.704	-1.5	102	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.256	0.4	100	0.00
12	1,3-Dichlorobenzene	1.455	1.467	-0.8	103	0.00
13 C	1,4-Dichlorobenzene	1.487	1.484	0.2	102	0.00
14	1,2-Dichlorobenzene	1.380	1.392	-0.9	102	0.00
15	Benzyl Alcohol	1.236	1.269	-2.7	102	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.187	-1.3	102	0.00
17	2-Methylphenol	1.079	1.099	-1.9	103	0.00
18	Hexachloroethane	0.550	0.565	-2.7	103	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.966	-0.2	101	-0.01
20	3+4-Methylphenols	1.371	1.373	-0.1	101	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.498	0.488	2.0	102	-0.01
23 S	Nitrobenzene-d5	0.383	0.376	1.8	101	0.00
24	Nitrobenzene	0.374	0.369	1.3	102	0.00
25	Isophorone	0.611	0.608	0.5	103	-0.01
26 C	2-Nitrophenol	0.186	0.188	-1.1	101	0.00
27	2,4-Dimethylphenol	0.217	0.217	0.0	100	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.390	0.5	102	0.00
29 C	2,4-Dichlorophenol	0.294	0.292	0.7	102	0.00
30	1,2,4-Trichlorobenzene	0.320	0.314	1.9	102	0.00
31	Naphthalene	1.041	1.023	1.7	102	0.00
32	Benzoic acid	0.226	0.228	-0.9	102	-0.04
33	4-Chloroaniline	0.363	0.370	-1.9	105	-0.01
34 C	Hexachlorobutadiene	0.192	0.193	-0.5	103	0.00
35	Caprolactam	0.089	0.092	-3.4	102	-0.03
36 C	4-Chloro-3-methylphenol	0.325	0.325	0.0	102	0.00
37	2-Methylnaphthalene	0.677	0.656	3.1	101	0.00
38	1-Methylnaphthalene	0.656	0.641	2.3	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.581	-0.3	102	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.186	3.1	94	0.00
42 S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	0.00
43 C	2,4,6-Trichlorophenol	0.374	0.373	0.3	101	0.00
44	2,4,5-Trichlorophenol	0.405	0.406	-0.2	101	0.00
45 S	2-Fluorobiphenyl	1.298	1.278	1.5	103	0.00
46	1,1'-Biphenyl	1.551	1.532	1.2	102	0.00
47	2-Chloronaphthalene	1.147	1.131	1.4	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	0.385	0.389	-1.0	102	0.00
49	Acenaphthylene	1.705	1.694	0.6	102	0.00
50	Dimethylphthalate	1.358	1.340	1.3	102	-0.01
51	2,6-Dinitrotoluene	0.297	0.297	0.0	101	0.00
52 C	Acenaphthene	1.147	1.143	0.3	102	0.00
53	3-Nitroaniline	0.319	0.323	-1.3	104	0.00
54 P	2,4-Dinitrophenol	0.176	0.188	-6.8	109	-0.01
55	Dibenzofuran	1.683	1.677	0.4	103	0.00
56 P	4-Nitrophenol	0.237	0.250	-5.5	103	-0.01
57	2,4-Dinitrotoluene	0.395	0.401	-1.5	103	0.00
58	Fluorene	1.301	1.285	1.2	102	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.353	-1.1	104	0.00
60	Diethylphthalate	1.336	1.318	1.3	101	0.00
61	4-Chlorophenyl-phenylether	0.626	0.615	1.8	101	0.00
62	4-Nitroaniline	0.324	0.333	-2.8	102	-0.02
63	Azobenzene	1.328	1.320	0.6	102	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.147	-5.8	104	-0.01
66 c	n-Nitrosodiphenylamine	0.640	0.641	-0.2	102	0.00
67	4-Bromophenyl-phenylether	0.224	0.228	-1.8	104	0.00
68	Hexachlorobenzene	0.230	0.231	-0.4	102	0.00
69	Atrazine	0.192	0.189	1.6	102	0.00
70 C	Pentachlorophenol	0.147	0.156	-6.1	102	0.00
71	Phenanthrene	1.101	1.104	-0.3	102	0.00
72	Anthracene	1.107	1.117	-0.9	103	0.00
73	Carbazole	0.996	1.002	-0.6	102	0.00
74	Di-n-butylphthalate	1.150	1.177	-2.3	103	0.00
75 C	Fluoranthene	1.167	1.197	-2.6	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77	Benzidine	0.441	0.419	5.0	89	0.00
78	Pyrene	1.703	1.608	5.6	103	0.00
79 S	Terphenyl-d14	1.185	1.122	5.3	105	0.00
80	Butylbenzylphthalate	0.590	0.616	-4.4	113	0.00
81	Benzo(a)anthracene	1.329	1.263	5.0	105	0.00
82	3,3'-Dichlorobenzidine	0.381	0.368	3.4	109	0.00
83	Chrysene	1.228	1.208	1.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	0.665	0.735	-10.5	120	0.00
85 c	Di-n-octyl phthalate	0.949	1.059	-11.6	123	0.01
86 I	Perylene-d12	1.000	1.000	0.0	109	0.01
87	Indeno(1,2,3-cd)pyrene	1.236	1.191	3.6	101	0.00
88	Benzo(b)fluoranthene	1.343	1.321	1.6	108	0.00
89	Benzo(k)fluoranthene	1.147	1.181	-3.0	113	0.00
90 C	Benzo(a)pyrene	1.087	1.072	1.4	108	0.00
91	Dibenzo(a,h)anthracene	1.001	0.973	2.8	101	0.00
92	Benzo(g,h,i)perylene	1.048	1.009	3.7	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2	1,4-Dioxane	40.000	40.369	-0.9	101	0.00
3	Pyridine	40.000	41.938	-4.8	102	-0.01
4	n-Nitrosodimethylamine	40.000	41.653	-4.1	104	-0.03
5 S	2-Fluorophenol	80.000	81.894	-2.4	102	0.00
6	Aniline	40.000	41.834	-4.6	104	-0.01
7 S	Phenol-d6	80.000	80.878	-1.1	102	-0.01
8	2-Chlorophenol	40.000	40.527	-1.3	102	-0.01
9	Benzaldehyde	40.000	40.105	-0.3	106	0.00
10 C	Phenol	40.000	40.615	-1.5	102	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.866	0.3	100	0.00
12	1,3-Dichlorobenzene	40.000	40.317	-0.8	103	0.00
13 C	1,4-Dichlorobenzene	40.000	39.911	0.2	102	0.00
14	1,2-Dichlorobenzene	40.000	40.354	-0.9	102	0.00
15	Benzyl Alcohol	40.000	41.041	-2.6	102	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.535	-1.3	102	0.00
17	2-Methylphenol	40.000	40.768	-1.9	103	0.00
18	Hexachloroethane	40.000	41.061	-2.7	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.048	-0.1	101	-0.01
20	3+4-Methylphenols	40.000	40.073	-0.2	101	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	39.246	1.9	102	-0.01
23 S	Nitrobenzene-d5	80.000	78.369	2.0	101	0.00
24	Nitrobenzene	40.000	39.429	1.4	102	0.00
25	Isophorone	40.000	39.767	0.6	103	-0.01
26 C	2-Nitrophenol	40.000	40.413	-1.0	101	0.00
27	2,4-Dimethylphenol	40.000	39.924	0.2	100	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.822	0.4	102	0.00
29 C	2,4-Dichlorophenol	40.000	39.818	0.5	102	0.00
30	1,2,4-Trichlorobenzene	40.000	39.237	1.9	102	0.00
31	Naphthalene	40.000	39.287	1.8	102	0.00
32	Benzoic acid	40.000	40.324	-0.8	102	-0.04
33	4-Chloroaniline	40.000	40.680	-1.7	105	-0.01
34 C	Hexachlorobutadiene	40.000	40.144	-0.4	103	0.00
35	Caprolactam	40.000	41.104	-2.8	102	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.006	-0.0	102	0.00
37	2-Methylnaphthalene	40.000	38.710	3.2	101	0.00
38	1-Methylnaphthalene	40.000	39.049	2.4	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.182	-0.5	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.754	3.1	94	0.00
42 S	2,4,6-Tribromophenol	80.000	79.490	0.6	102	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.914	0.2	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.108	-0.3	101	0.00
45 S	2-Fluorobiphenyl	80.000	78.786	1.5	103	0.00
46	1,1'-Biphenyl	40.000	39.519	1.2	102	0.00
47	2-Chloronaphthalene	40.000	39.453	1.4	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	40.451	-1.1	102	0.00
49	Acenaphthylene	40.000	39.734	0.7	102	0.00
50	Dimethylphthalate	40.000	39.488	1.3	102	-0.01
51	2,6-Dinitrotoluene	40.000	39.965	0.1	101	0.00
52 C	Acenaphthene	40.000	39.893	0.3	102	0.00
53	3-Nitroaniline	40.000	40.463	-1.2	104	0.00
54 P	2,4-Dinitrophenol	40.000	42.639	-6.6	109	-0.01
55	Dibenzofuran	40.000	39.860	0.4	103	0.00
56 P	4-Nitrophenol	40.000	42.166	-5.4	103	-0.01
57	2,4-Dinitrotoluene	40.000	40.633	-1.6	103	0.00
58	Fluorene	40.000	39.501	1.2	102	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.438	-1.1	104	0.00
60	Diethylphthalate	40.000	39.467	1.3	101	0.00
61	4-Chlorophenyl-phenylether	40.000	39.318	1.7	101	0.00
62	4-Nitroaniline	40.000	41.124	-2.8	102	-0.02
63	Azobenzene	40.000	39.759	0.6	102	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.230	-5.6	104	-0.01
66 c	n-Nitrosodiphenylamine	40.000	40.040	-0.1	102	0.00
67	4-Bromophenyl-phenylether	40.000	40.864	-2.2	104	0.00
68	Hexachlorobenzene	40.000	40.208	-0.5	102	0.00
69	Atrazine	40.000	39.358	1.6	102	0.00
70 C	Pentachlorophenol	40.000	42.476	-6.2	102	0.00
71	Phenanthrene	40.000	40.114	-0.3	102	0.00
72	Anthracene	40.000	40.362	-0.9	103	0.00
73	Carbazole	40.000	40.267	-0.7	102	0.00
74	Di-n-butylphthalate	40.000	40.953	-2.4	103	0.00
75 C	Fluoranthene	40.000	41.011	-2.5	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77	Benzydine	40.000	38.017	5.0	89	0.00
78	Pyrene	40.000	37.784	5.5	103	0.00
79 S	Terphenyl-d14	80.000	75.750	5.3	105	0.00
80	Butylbenzylphthalate	40.000	41.781	-4.5	113	0.00
81	Benzo(a)anthracene	40.000	38.009	5.0	105	0.00
82	3,3'-Dichlorobenzidine	40.000	38.608	3.5	109	0.00
83	Chrysene	40.000	39.361	1.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.229	-10.6	120	0.00
85 c	Di-n-octyl phthalate	40.000	44.652	-11.6	123	0.01
86 I	Perylene-d12	20.000	20.000	0.0	109	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.551	3.6	101	0.00
88	Benzo(b)fluoranthene	40.000	39.352	1.6	108	0.00
89	Benzo(k)fluoranthene	40.000	41.182	-3.0	113	0.00
90 C	Benzo(a)pyrene	40.000	39.459	1.4	108	0.00
91	Dibenzo(a,h)anthracene	40.000	38.870	2.8	101	0.00
92	Benzo(g,h,i)perylene	40.000	38.536	3.7	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.326		-3.9	
2-Fluorophenol	1.303	1.218		-6.5	
Phenol-d6	1.657	1.534		-7.4	
1,4-Dichlorobenzene	1.547	1.437		-7.2	20.0
2-Methylphenol	1.135	1.062		-6.4	
3+4-Methylphenols	1.393	1.318		-5.4	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
2,4-Dinitrotoluene	0.406	0.427		5.2	
2,4,6-Tribromophenol	0.183	0.177		-3.3	
Hexachlorobenzene	0.238	0.232		-2.5	
Pentachlorophenol	0.139	0.186		33.8	20.0
Terphenyl-d14	1.297	1.177		-9.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

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 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

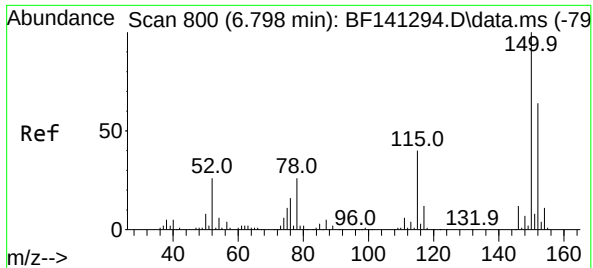
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 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

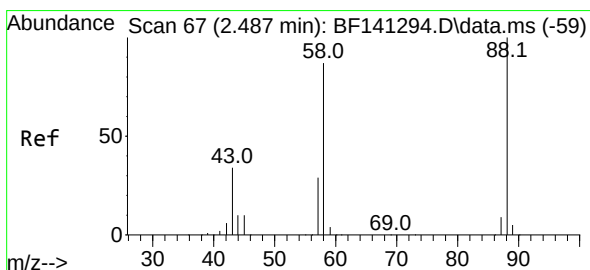
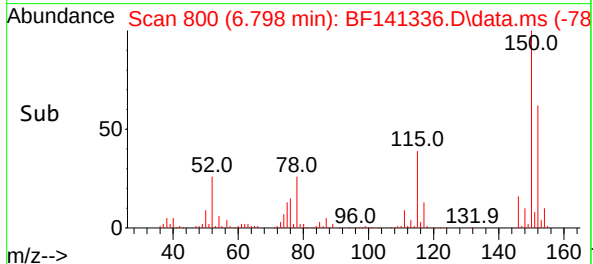
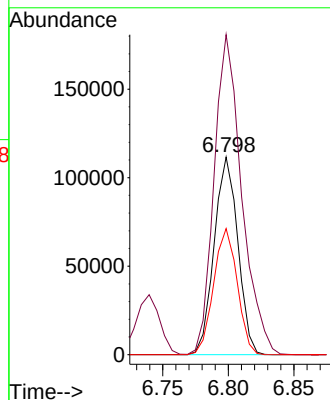
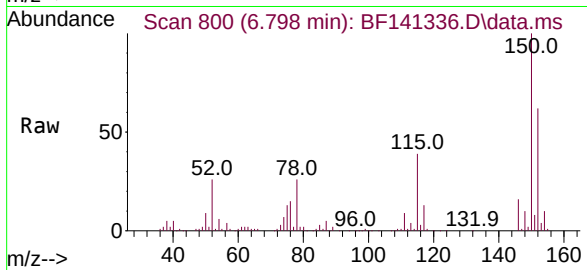
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- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

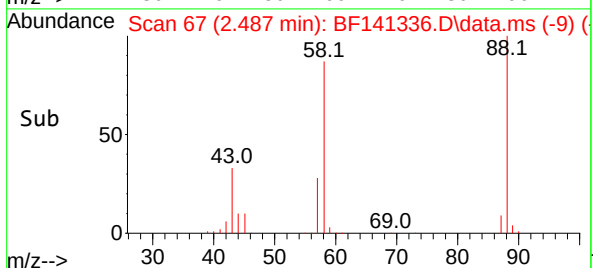
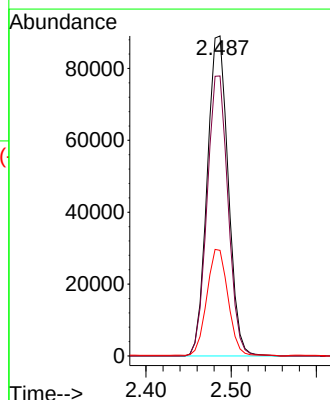
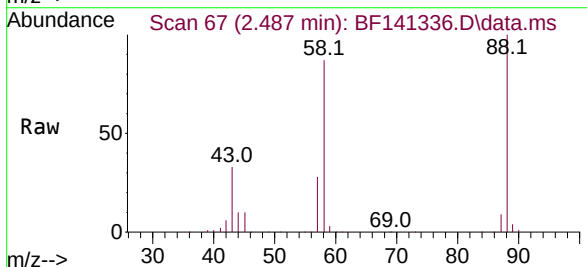
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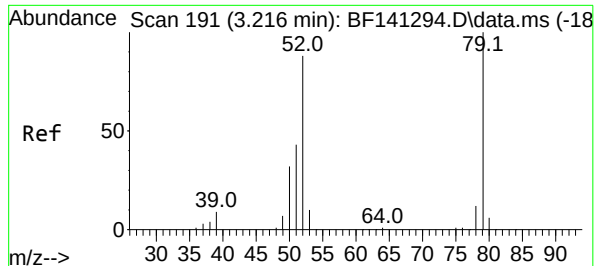
Tgt Ion:152 Resp: 140033
Ion Ratio Lower Upper
152 100
150 161.9 125.9 188.9
115 63.8 49.7 74.5



#2
1,4-Dioxane
Concen: 38.066 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 33.9 27.6 41.4

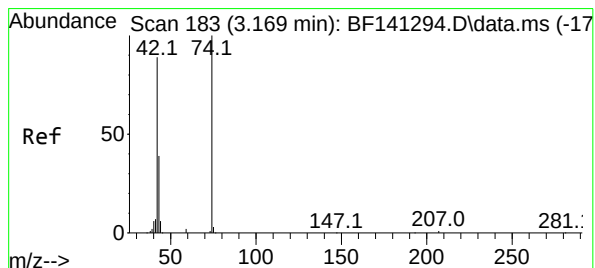
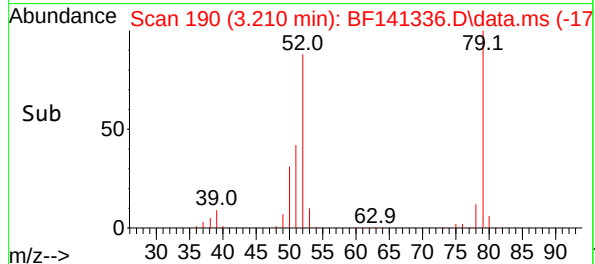
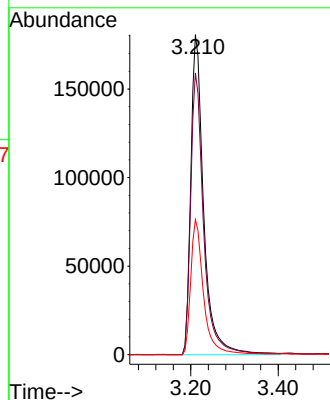
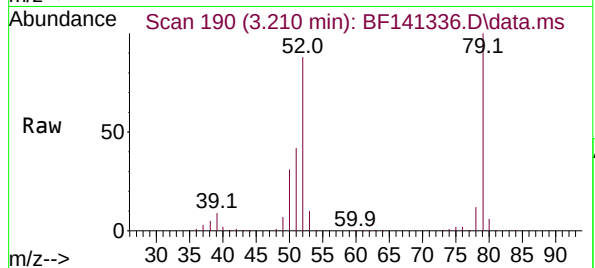




#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

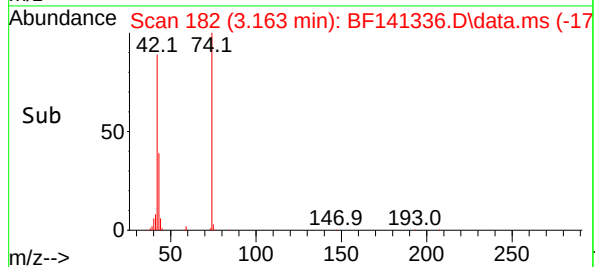
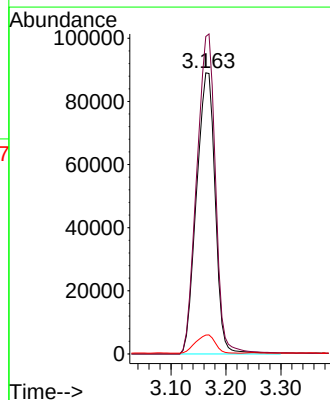
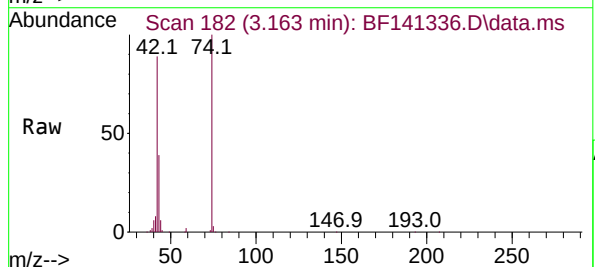
Instrument :
BNA_F
ClientSampleId :
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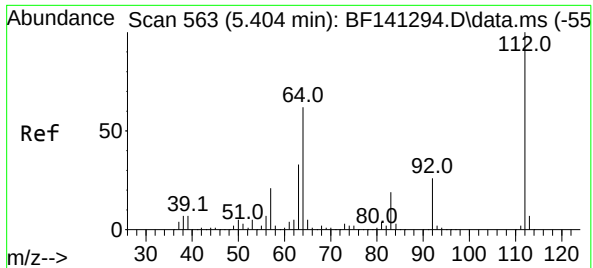
Tgt Ion: 79 Resp: 371435
Ion Ratio Lower Upper
79 100
52 88.0 70.3 105.5
51 42.2 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 6.7 5.7 8.5

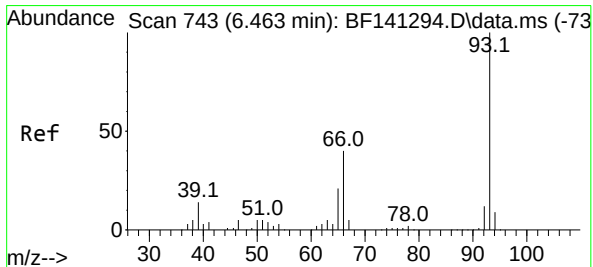
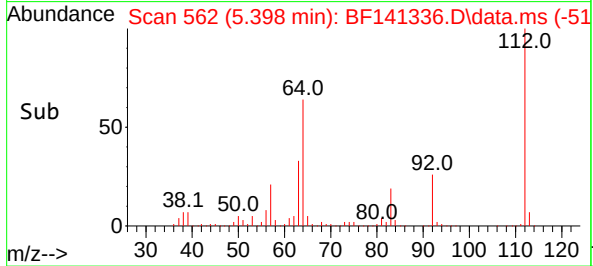
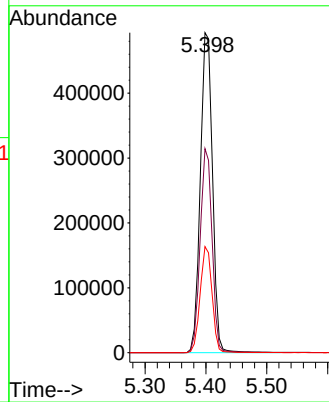
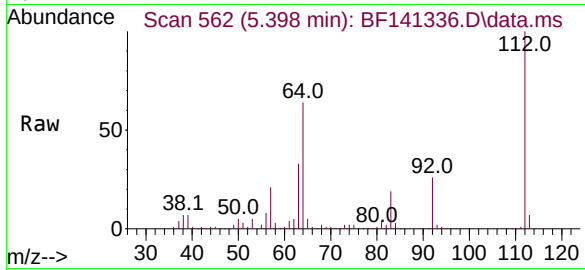




#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

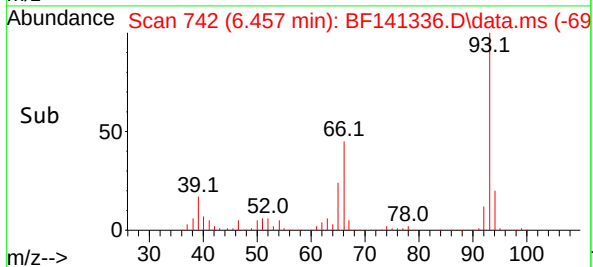
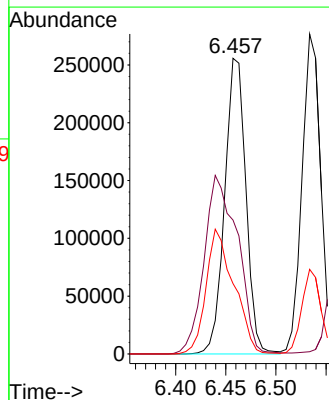
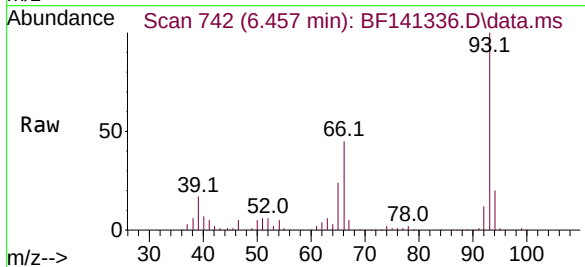
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ClientSampleId :
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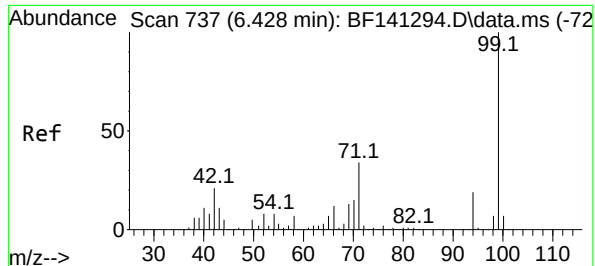
Tgt Ion:112 Resp: 682309
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 33.2 26.1 39.1



#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476
Ion Ratio Lower Upper
93 100
66 45.3 32.5 48.7
65 23.8 17.0 25.6

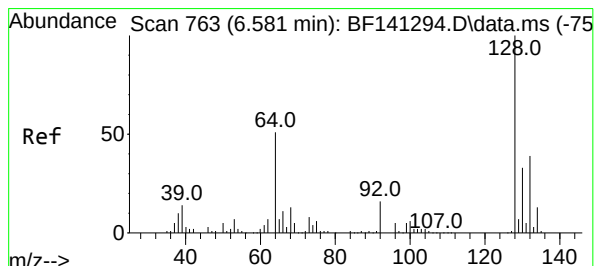
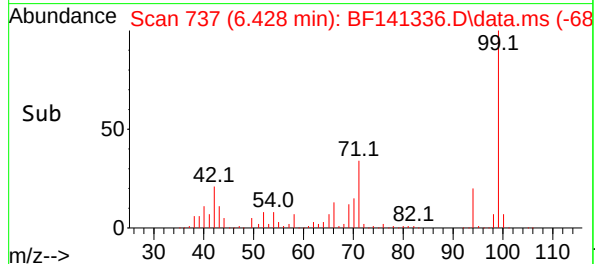
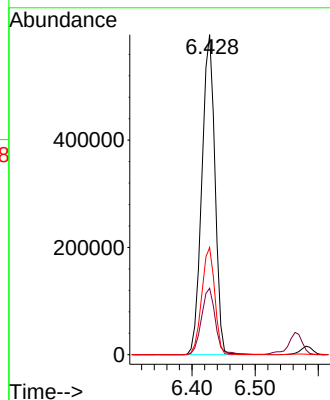
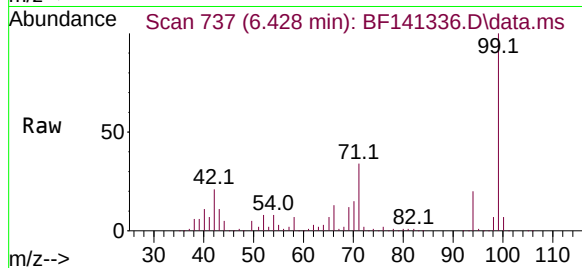




#7
Phenol-d6
Concen: 74.066 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

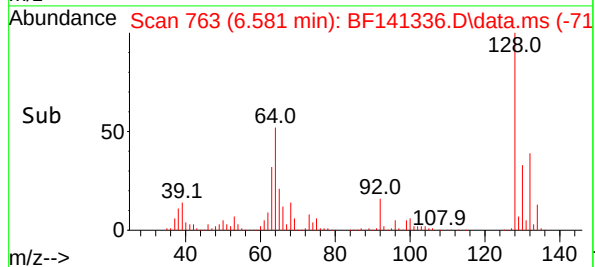
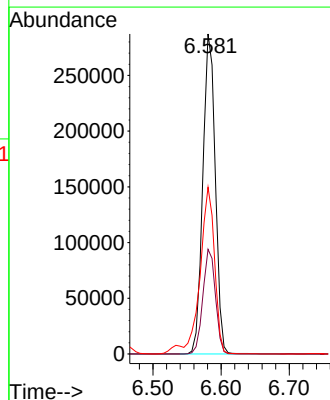
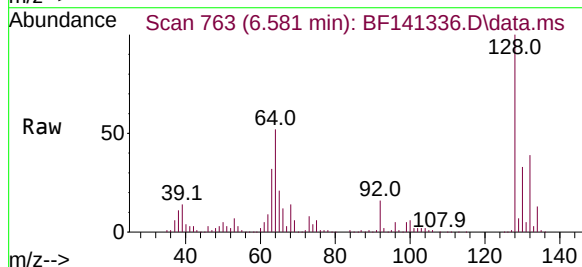
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ClientSampleId :
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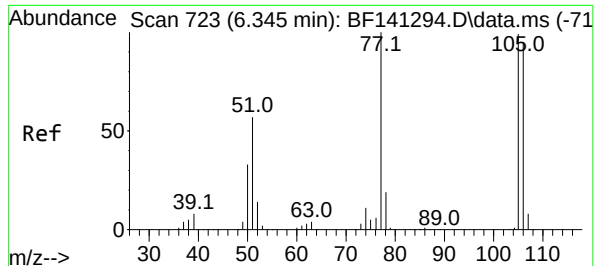
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.1	25.7
71	33.5	26.9	40.3



#8
2-Chlorophenol
Concen: 37.432 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	52.1	32.9	72.9





#9

Benzaldehyde

Concen: 40.484 ng

RT: 6.345 min Scan# 723

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

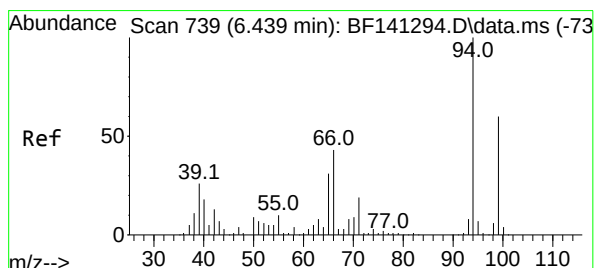
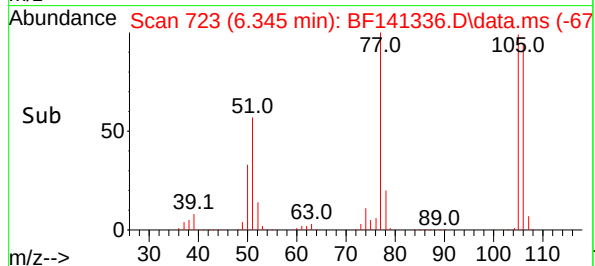
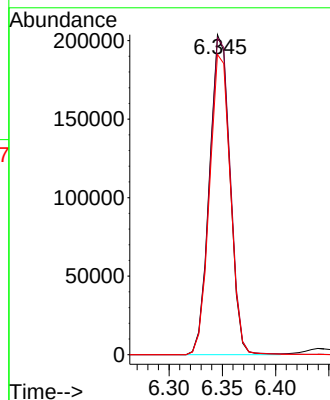
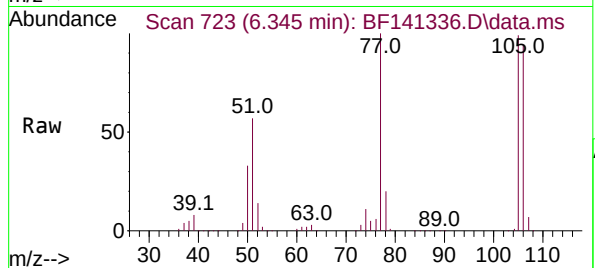
Tgt Ion: 77 Resp: 272105

Ion Ratio Lower Upper

77 100

105 99.1 79.4 119.4

106 93.8 74.6 114.6



#10

Phenol

Concen: 37.622 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

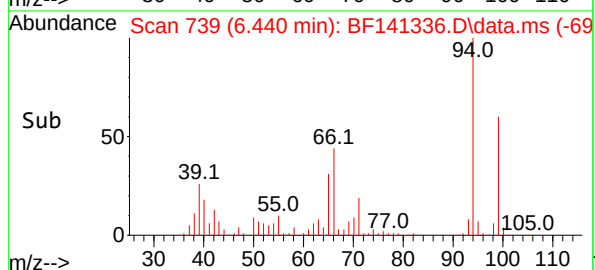
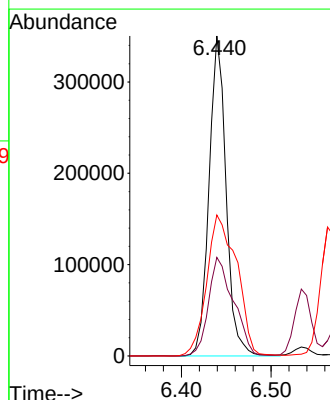
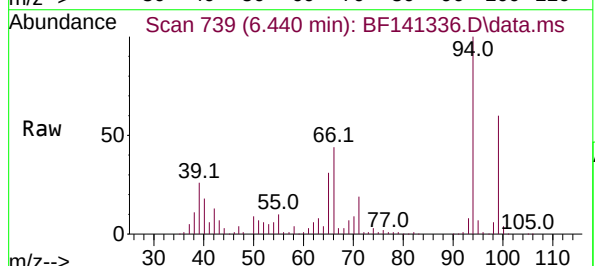
Tgt Ion: 94 Resp: 462764

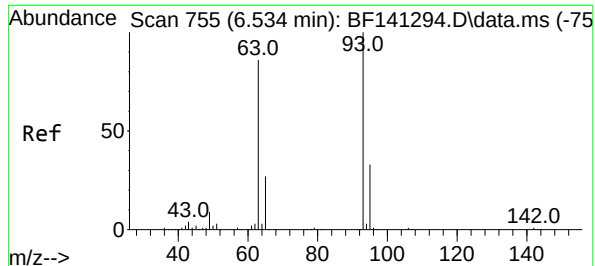
Ion Ratio Lower Upper

94 100

65 30.8 10.8 50.8

66 44.1 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 37.636 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

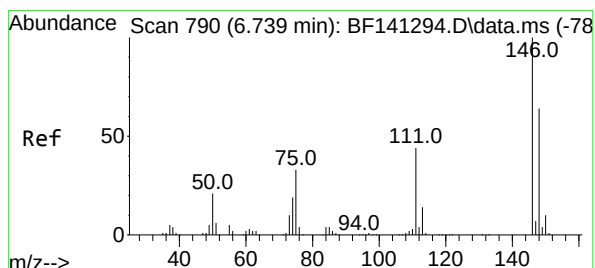
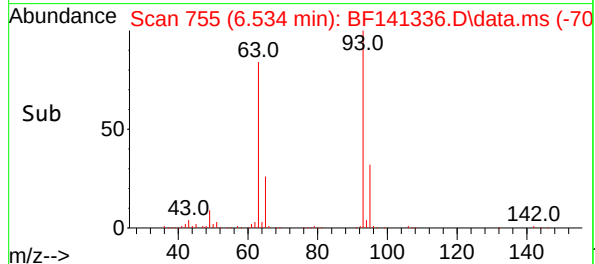
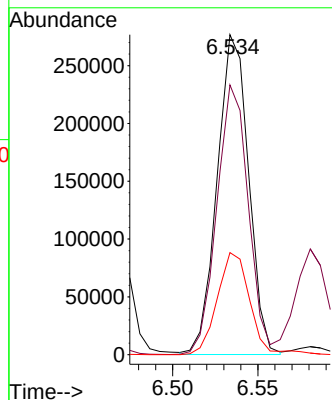
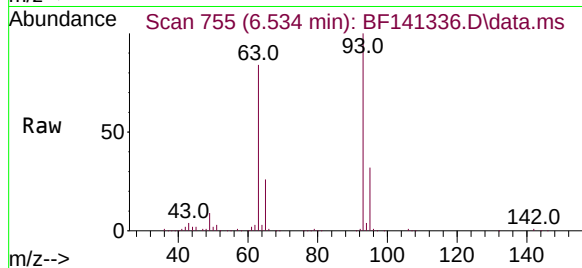
Tgt Ion: 93 Resp: 354960

Ion Ratio Lower Upper

93 100

63 84.3 65.0 105.0

95 31.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.423 ng

RT: 6.740 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

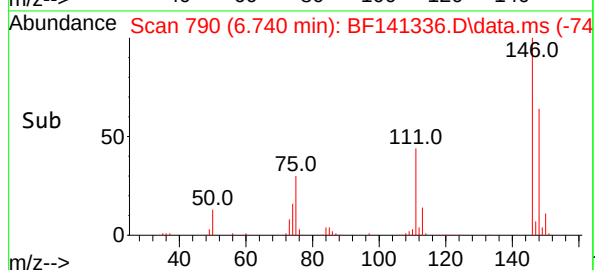
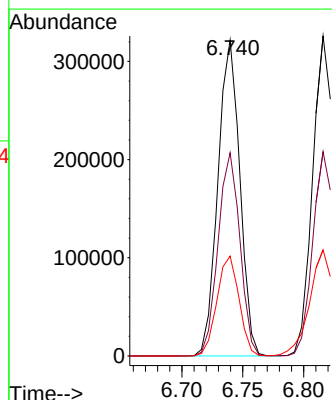
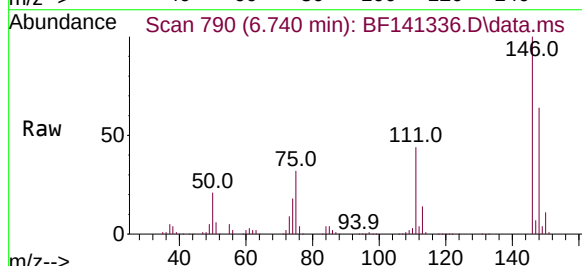
Tgt Ion: 146 Resp: 403414

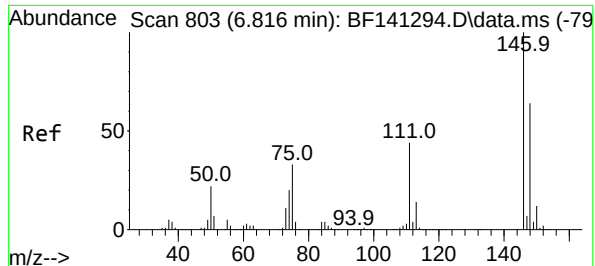
Ion Ratio Lower Upper

146 100

148 64.3 51.2 76.8

75 31.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.151 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

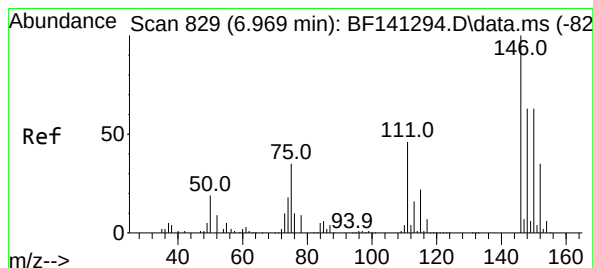
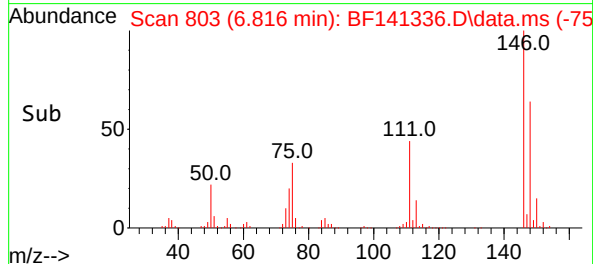
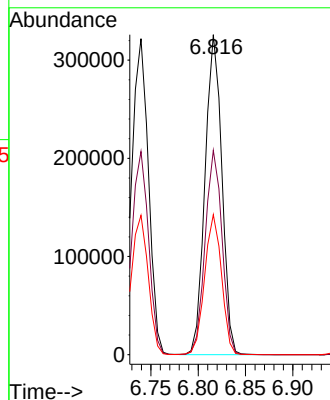
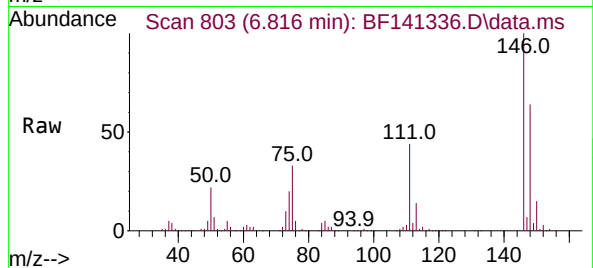
Tgt Ion:146 Resp: 402314

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.272 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

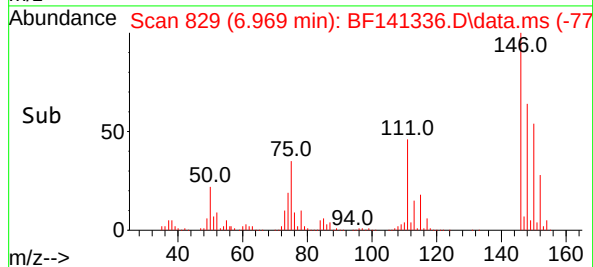
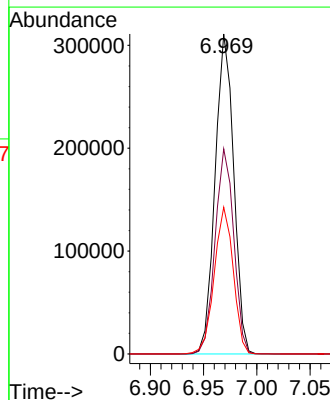
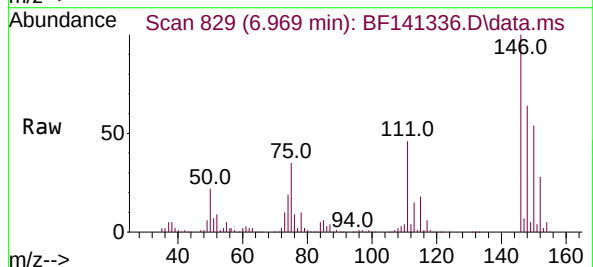
Tgt Ion:146 Resp: 377953

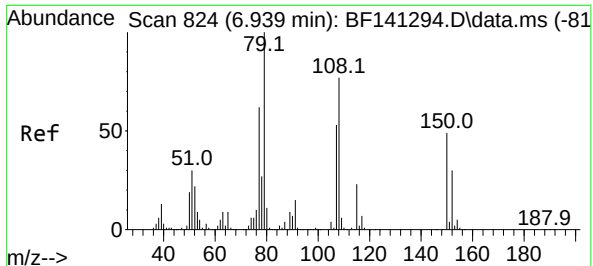
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

111 45.9 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.880 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

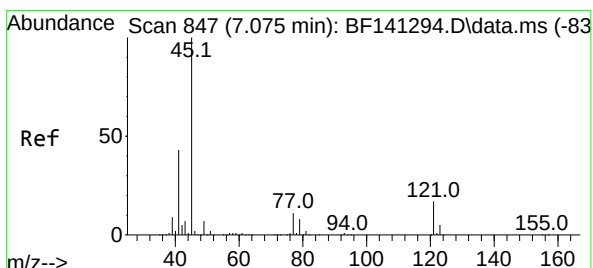
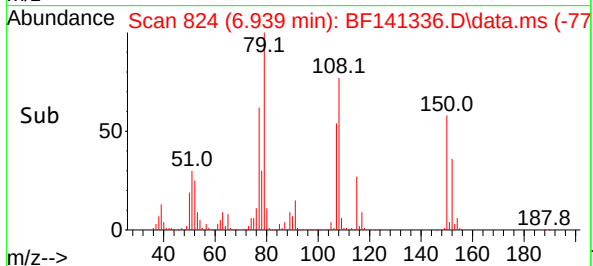
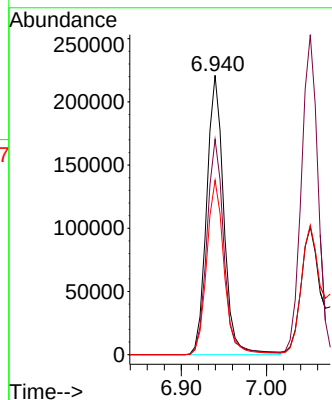
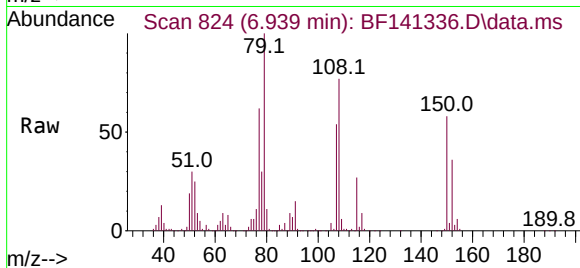
Tgt Ion: 79 Resp: 308313

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.552 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

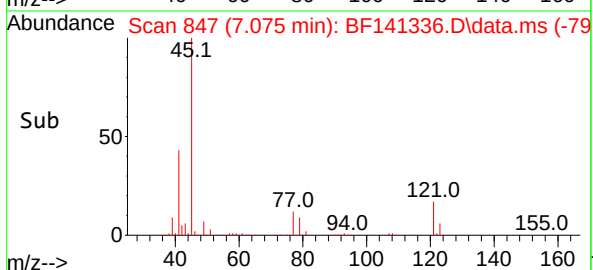
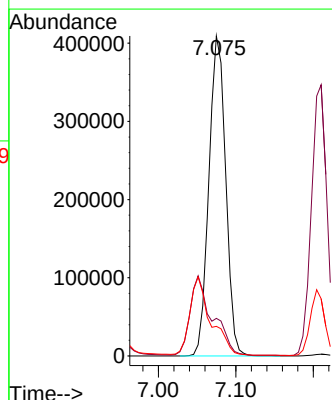
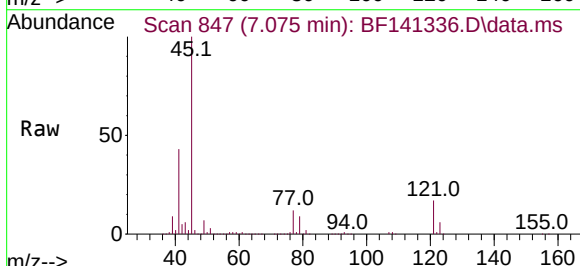
Tgt Ion: 45 Resp: 615868

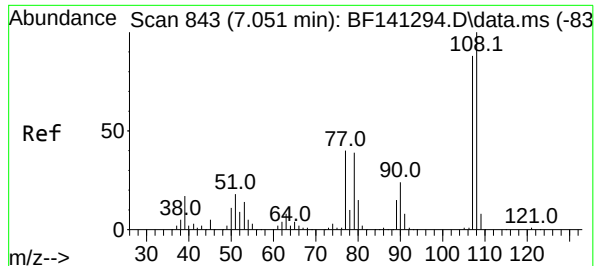
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.2 0.0 29.1

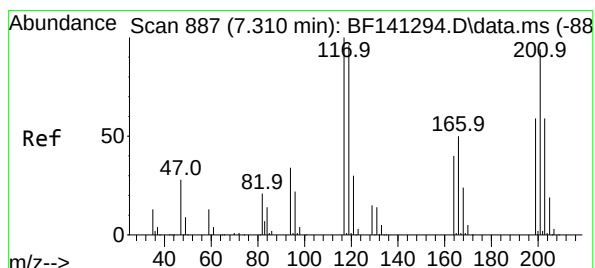
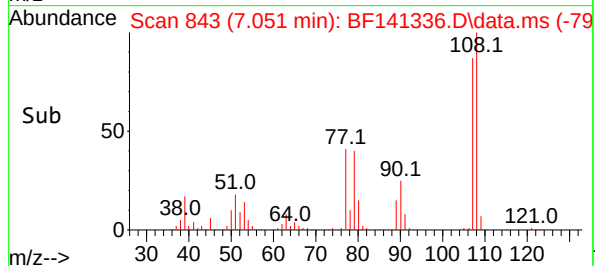
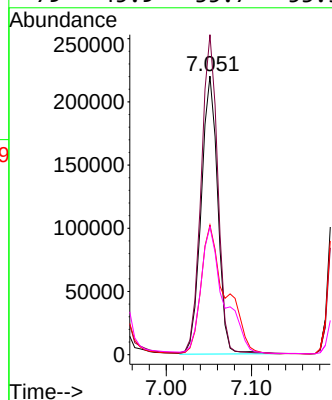
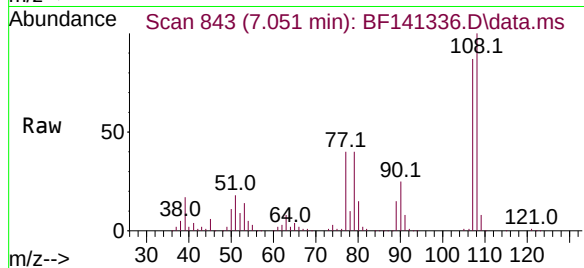




#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

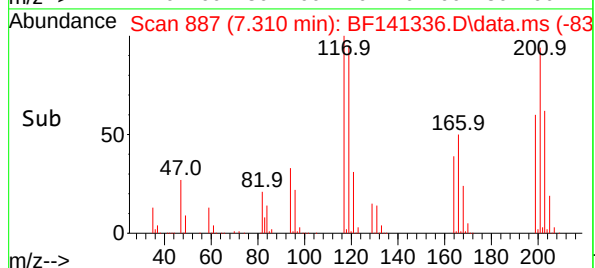
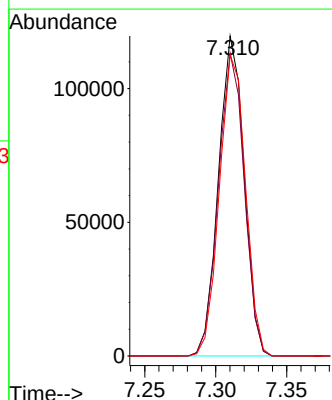
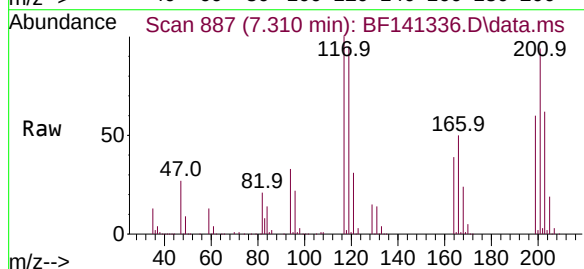
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

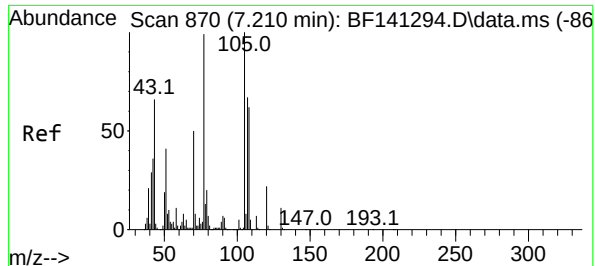
Tgt Ion:	107	Resp:	297446
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.8	136.2
77	46.5	36.2	54.4
79	45.9	35.7	53.5



#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:	117	Resp:	150153
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	94.1	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.424 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 264932

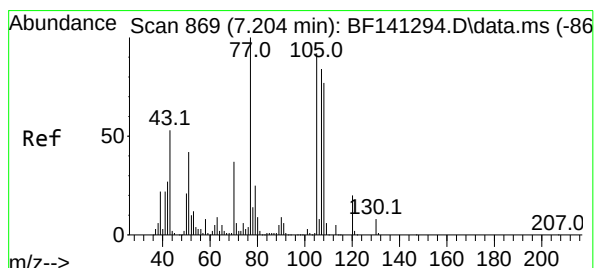
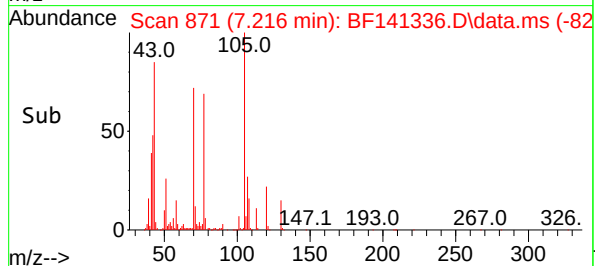
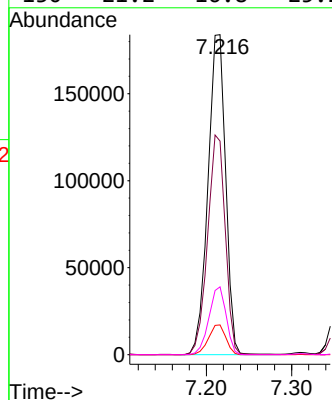
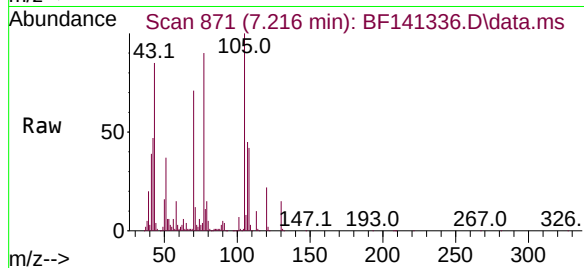
Ion Ratio Lower Upper

70 100

42 66.7 56.8 85.2

101 9.3 7.7 11.5

130 21.2 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.845 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 107 Resp: 369223

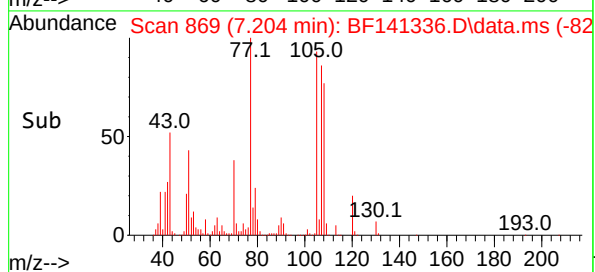
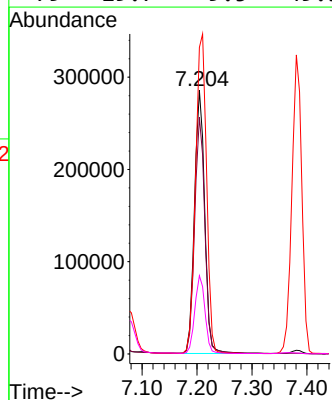
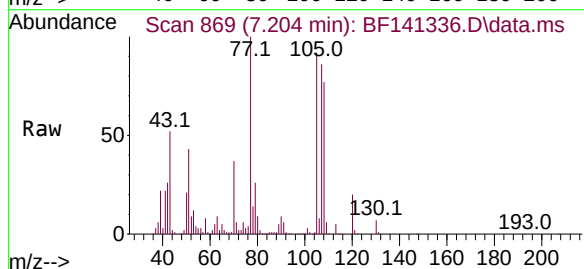
Ion Ratio Lower Upper

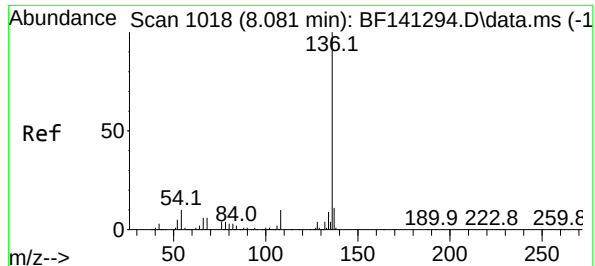
107 100

108 89.8 70.9 110.9

77 116.3 98.5 138.5

79 29.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 558386

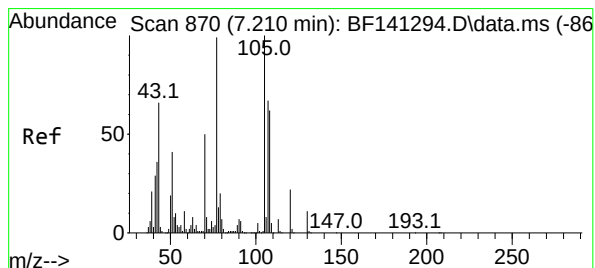
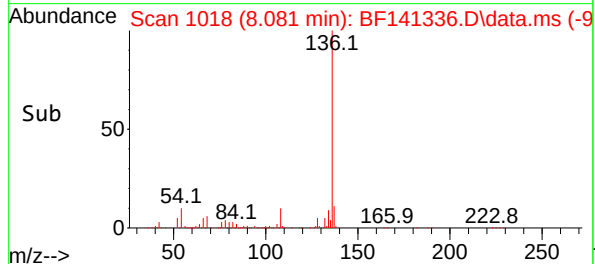
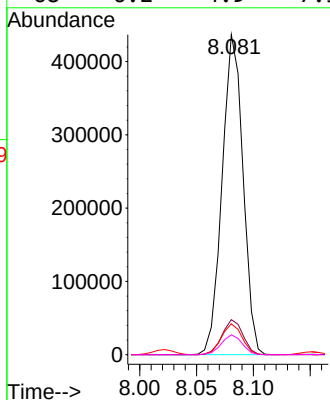
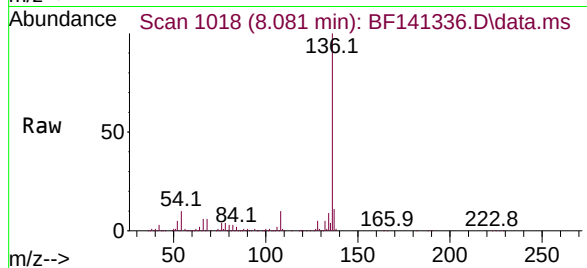
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.6 7.8 11.8

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 35.678 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

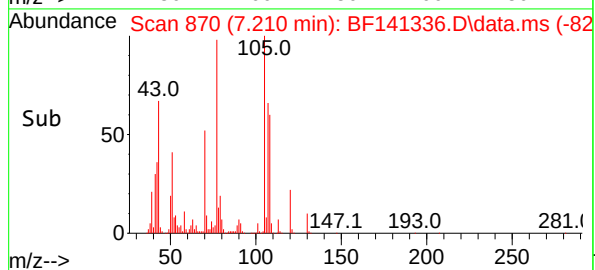
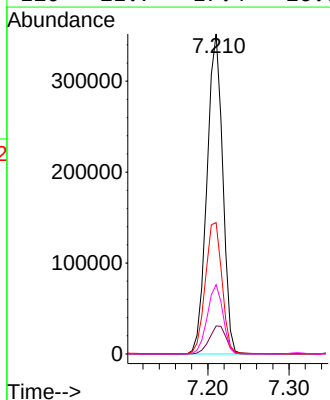
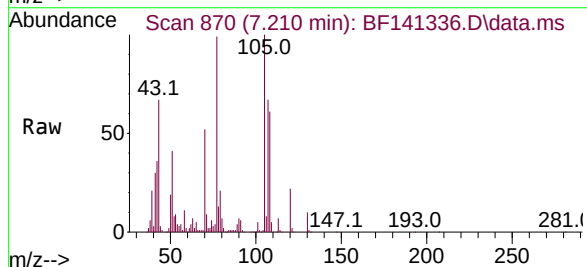
Ion Ratio Lower Upper

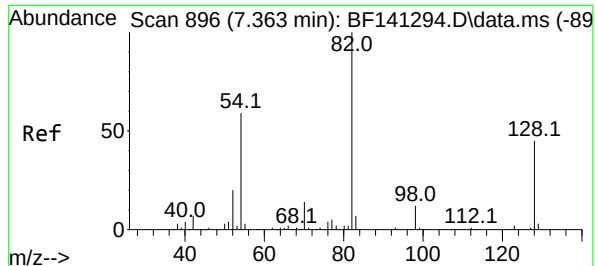
105 100

71 8.7 6.8 10.2

51 41.1 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 73.308 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

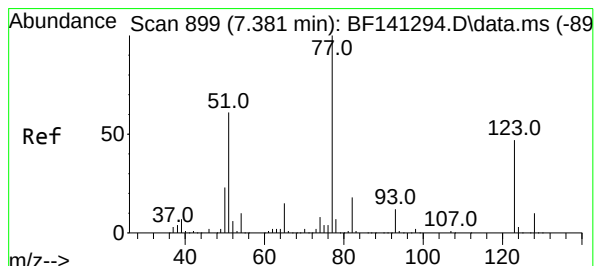
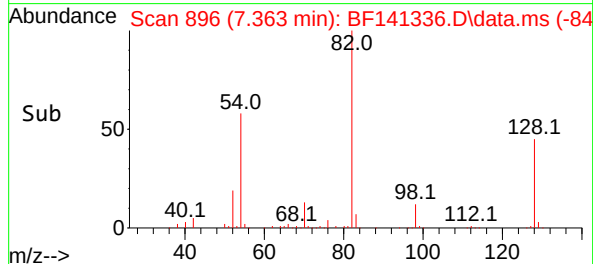
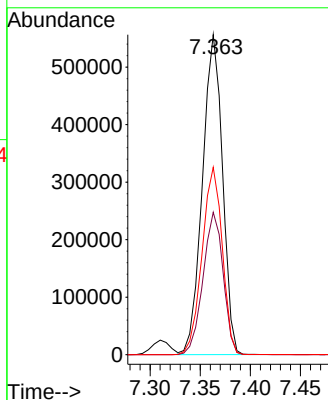
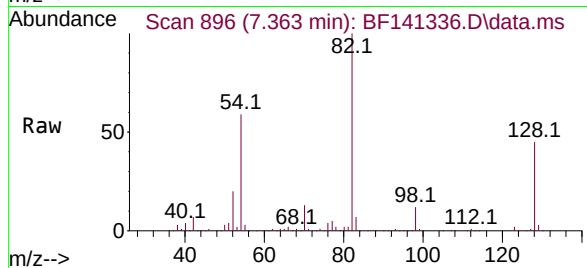
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 776494

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.5	47.1	70.7



#24

Nitrobenzene

Concen: 37.116 ng

RT: 7.381 min Scan# 899

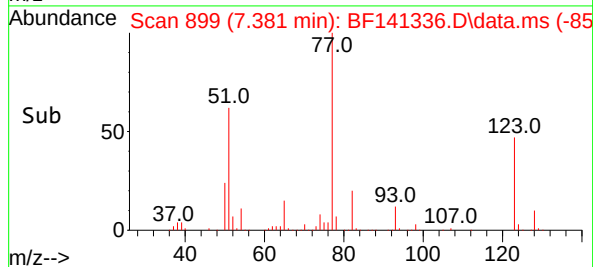
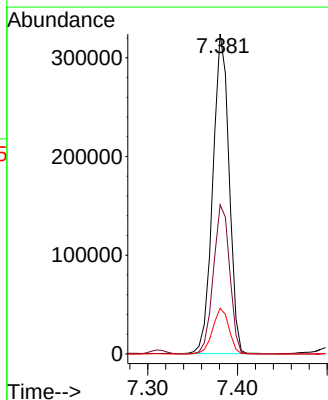
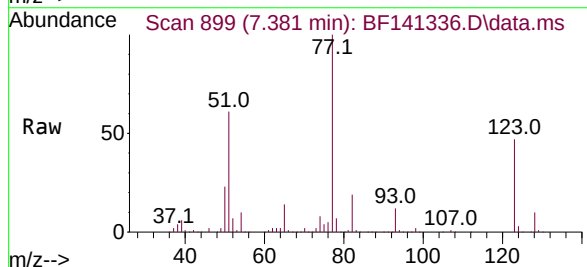
Delta R.T. -0.012 min

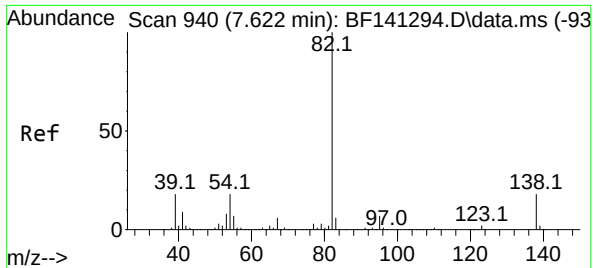
Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 77 Resp: 407415

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.3	11.8	17.6

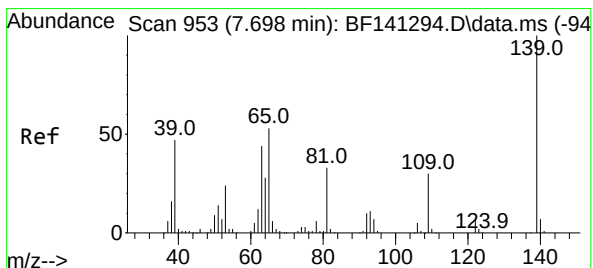
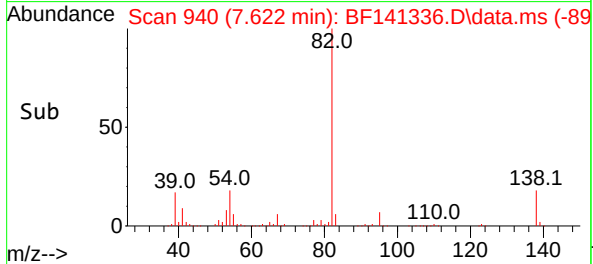
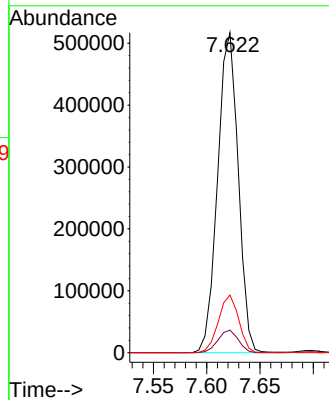
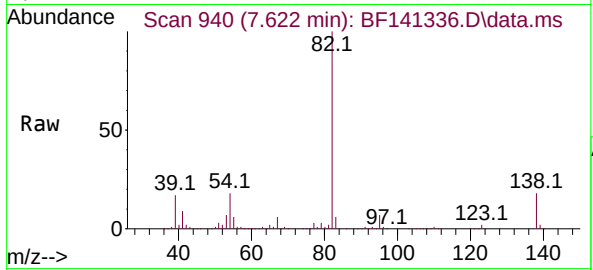




#25
Isophorone
Concen: 37.934 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

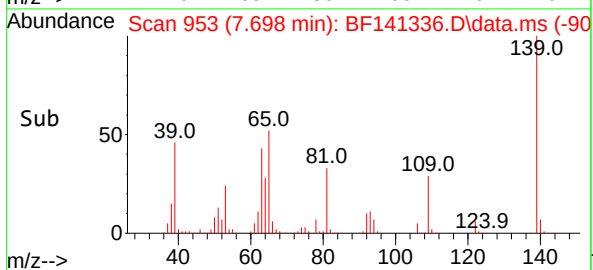
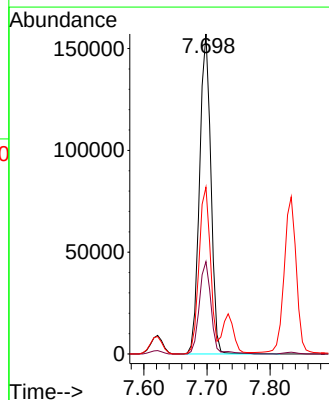
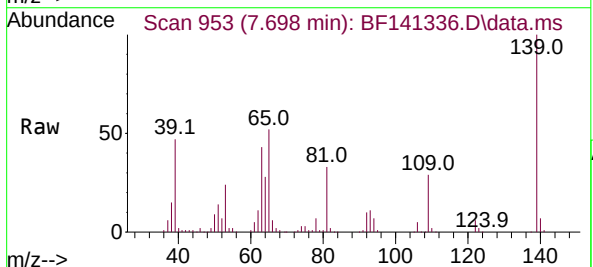
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

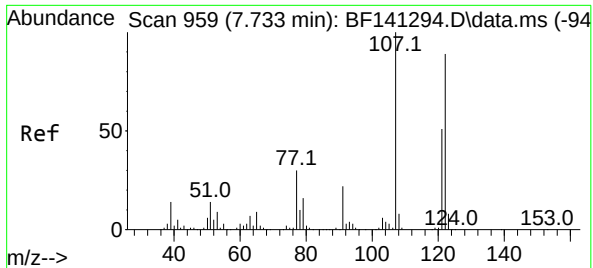
Tgt Ion: 82 Resp: 694555
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 18.0 14.7 22.1



#26
2-Nitrophenol
Concen: 37.762 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 139 Resp: 195489
Ion Ratio Lower Upper
139 100
109 28.8 23.8 35.6
65 52.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 37.999 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

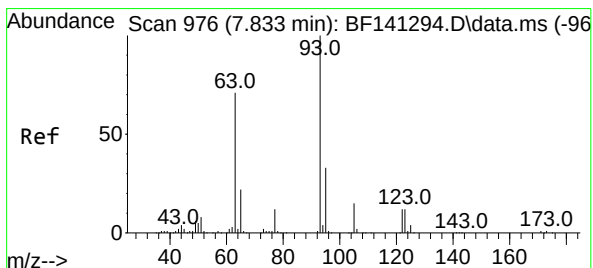
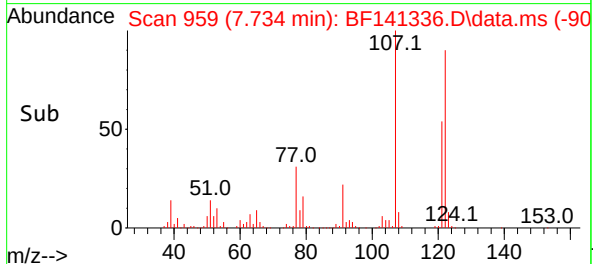
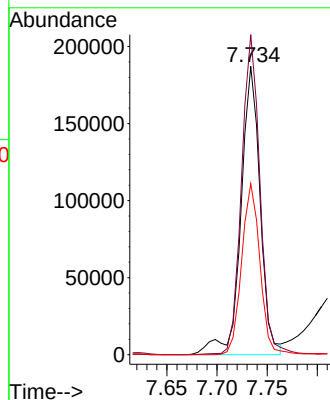
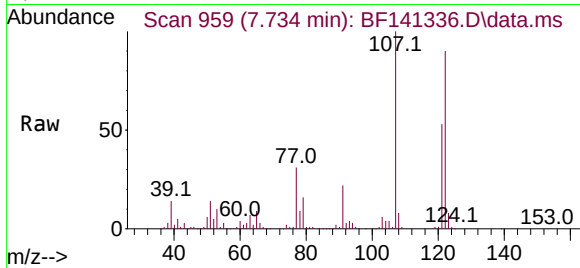
Tgt Ion:122 Resp: 250385

Ion Ratio Lower Upper

122 100

107 111.0 89.9 134.9

121 59.4 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 36.955 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

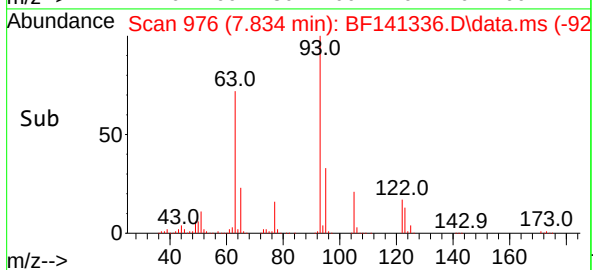
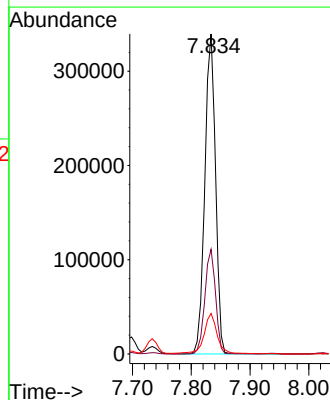
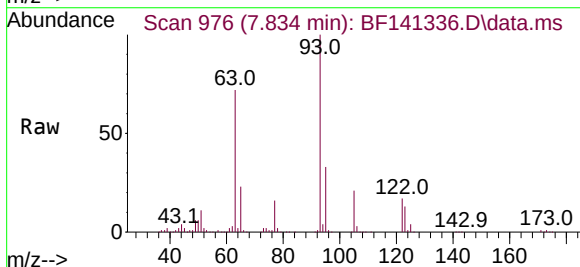
Tgt Ion: 93 Resp: 431598

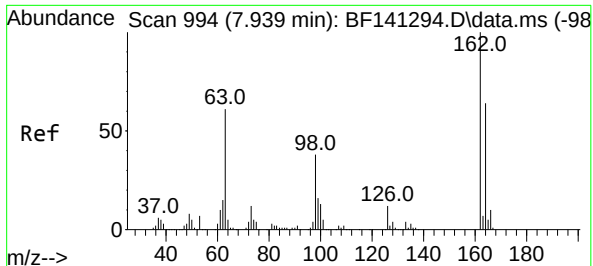
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.608 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

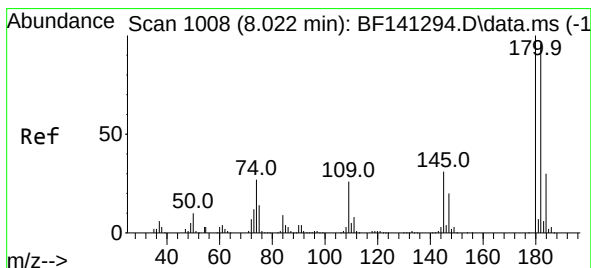
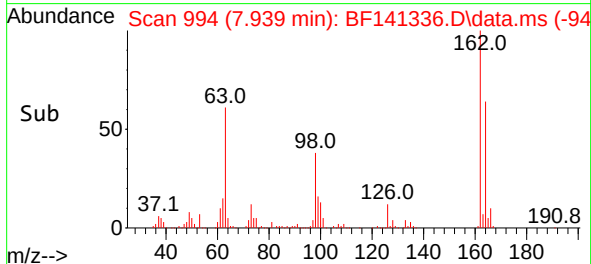
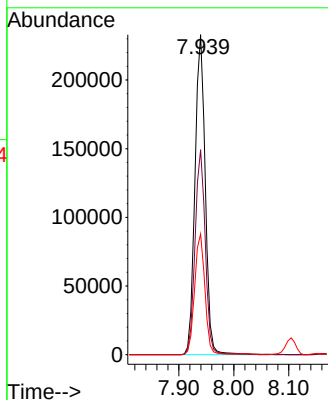
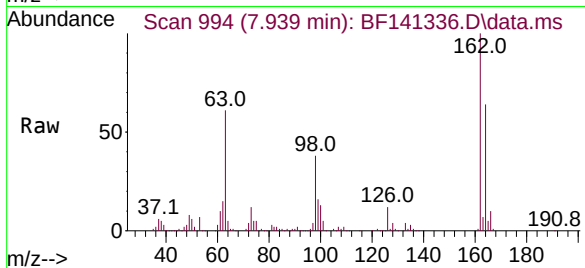
Tgt Ion:162 Resp: 303375

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.7 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.214 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

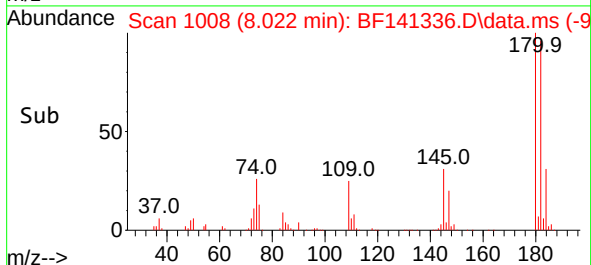
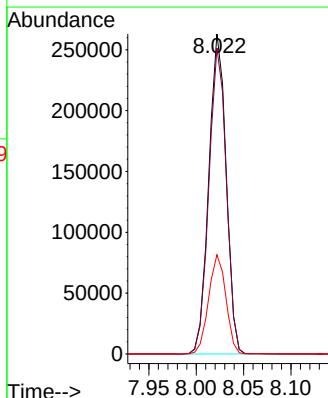
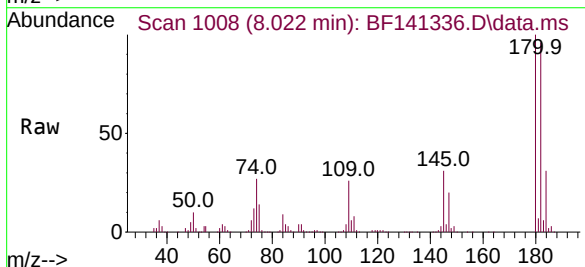
Tgt Ion:180 Resp: 333619

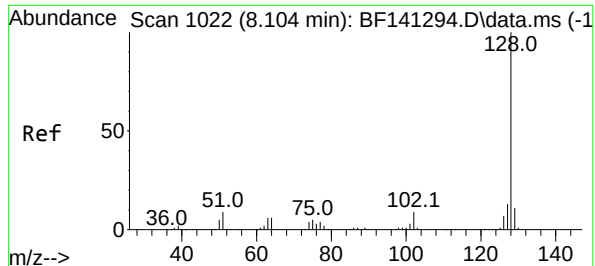
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 36.561 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

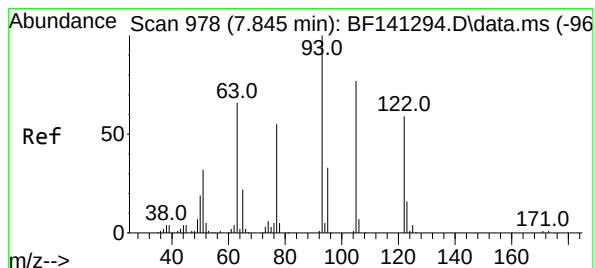
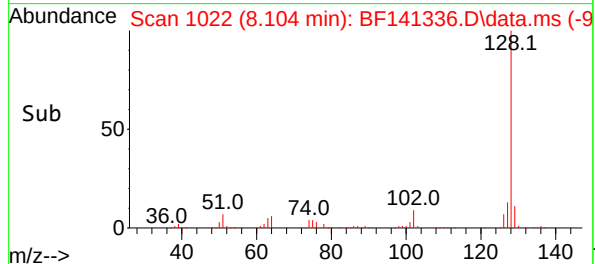
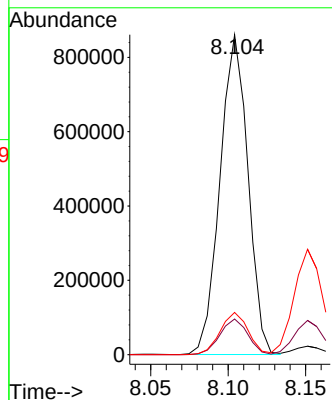
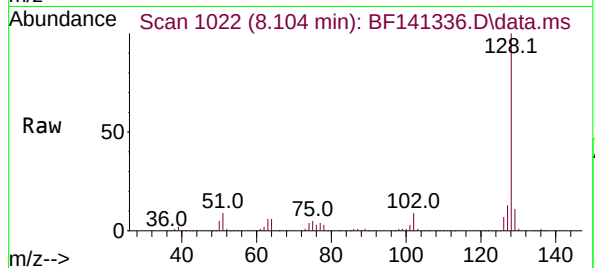
Tgt Ion:128 Resp: 1078465

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.698 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

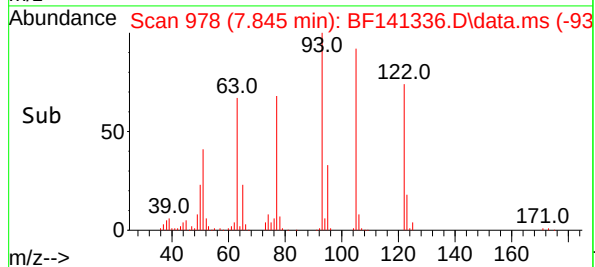
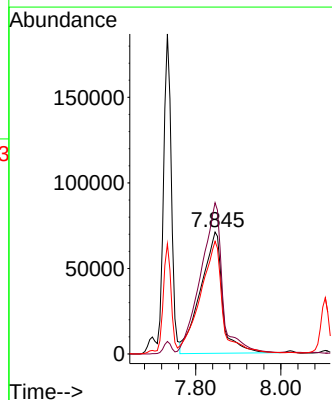
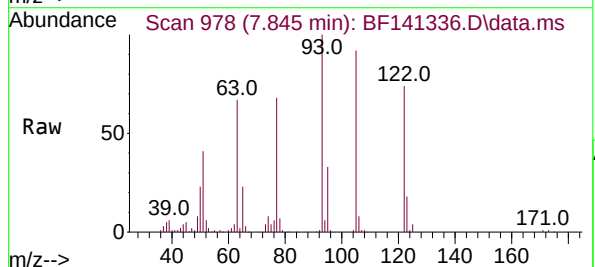
Tgt Ion:122 Resp: 252577

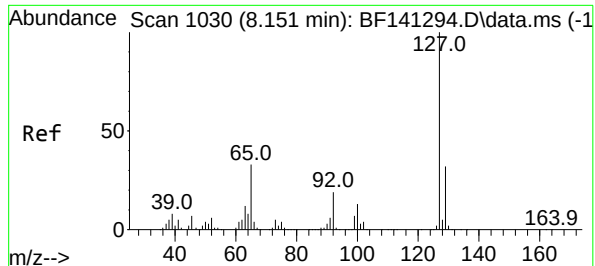
Ion Ratio Lower Upper

122 100

105 124.1 103.4 143.4

77 92.4 70.9 110.9





#33

4-Chloroaniline

Concen: 36.719 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 367291

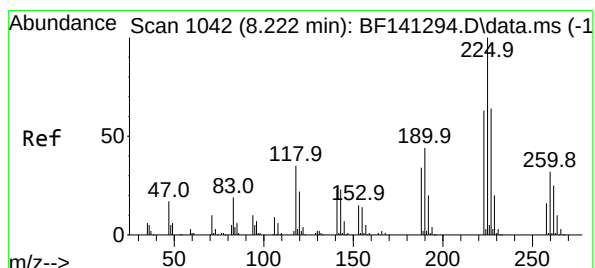
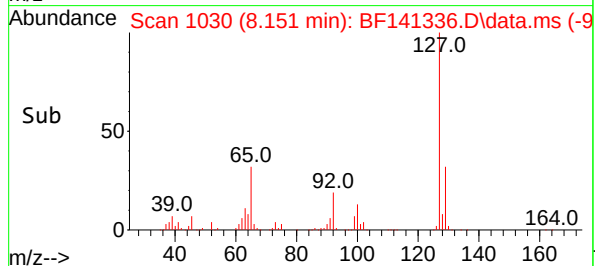
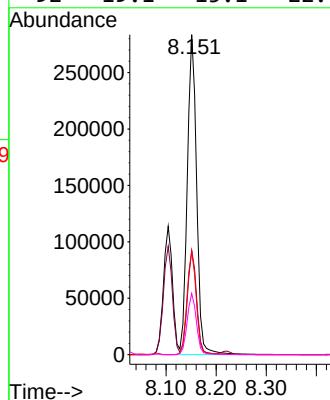
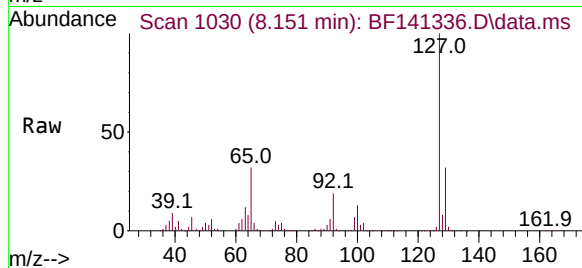
Ion Ratio Lower Upper

127 100

129 32.5 25.7 38.5

65 32.4 26.4 39.6

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.021 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

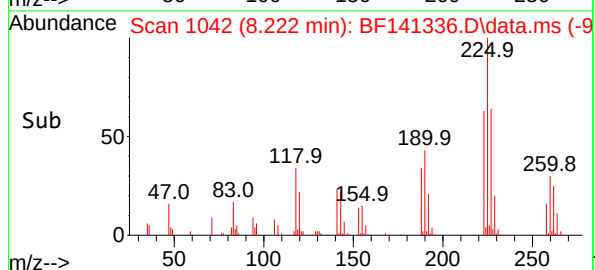
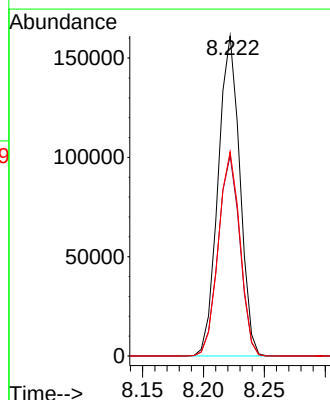
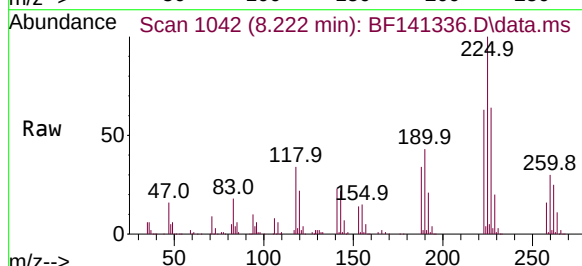
Tgt Ion:225 Resp: 200005

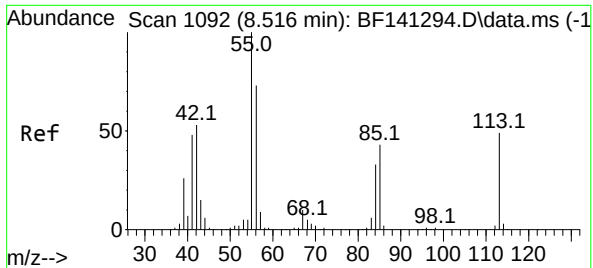
Ion Ratio Lower Upper

225 100

223 62.6 50.4 75.6

227 63.9 51.3 76.9

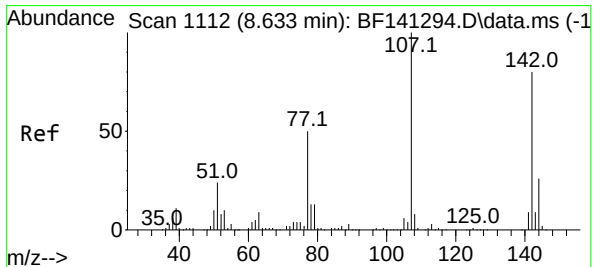
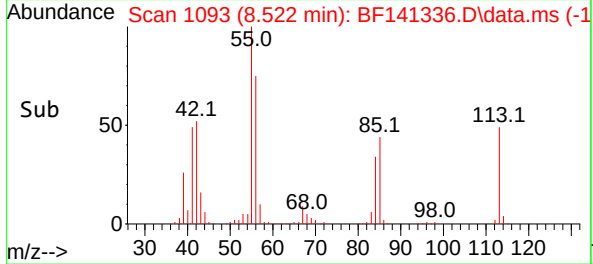
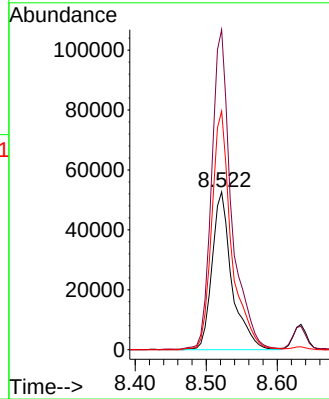
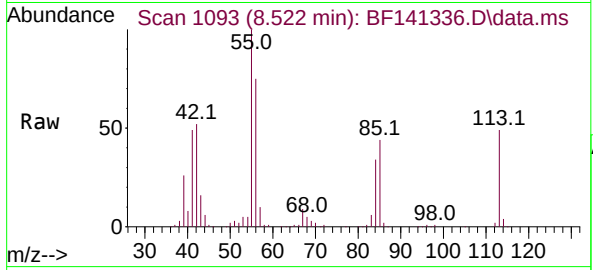




#35
Caprolactam
Concen: 38.705 ng
RT: 8.522 min Scan# 1092
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

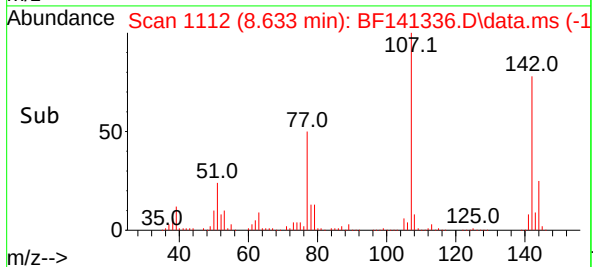
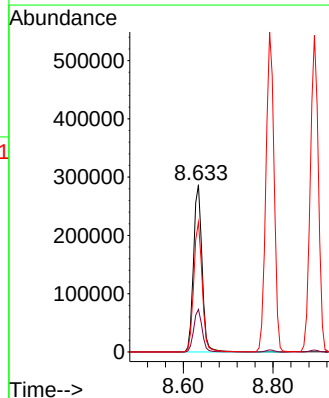
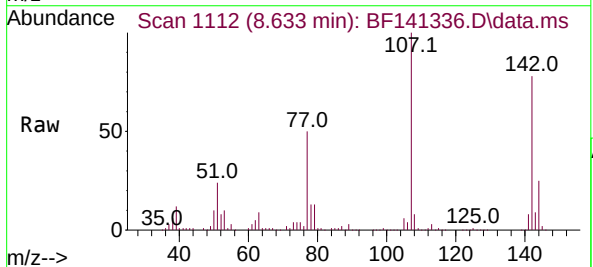
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

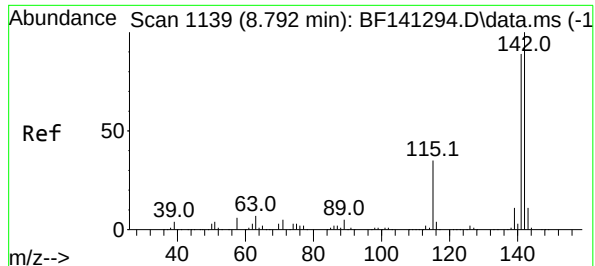
Tgt Ion:113 Resp: 101967
Ion Ratio Lower Upper
113 100
55 202.8 182.9 222.9
56 151.1 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 43.991 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 36.818 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

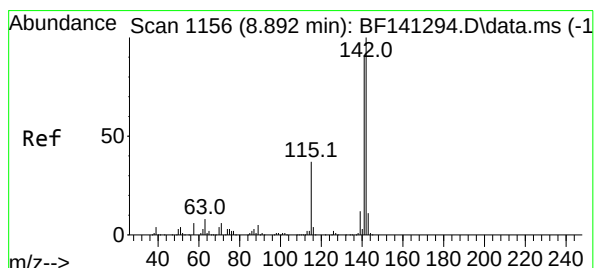
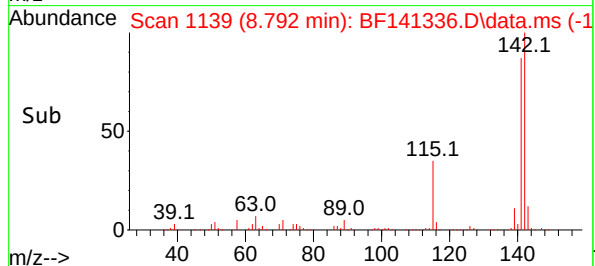
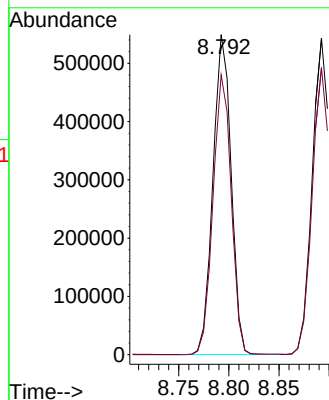
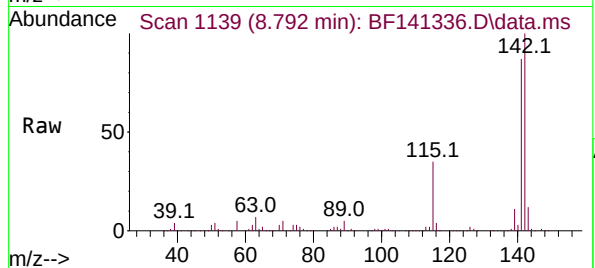
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion Ratio Lower Upper

142 100

141 87.4 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.681 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141336.D

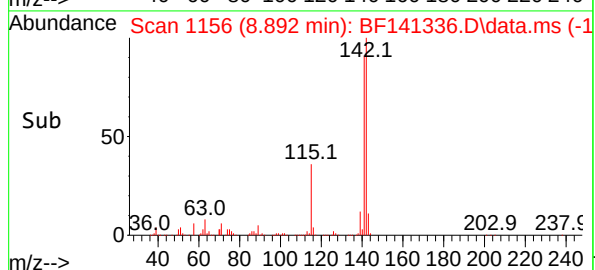
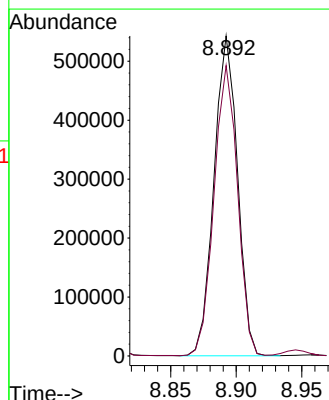
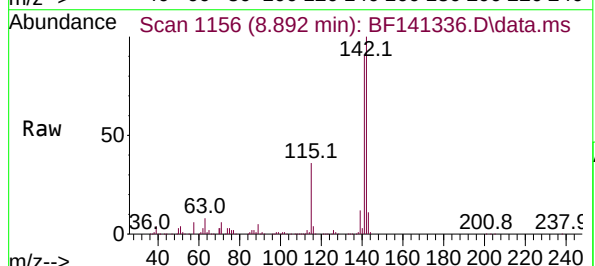
Acq: 31 Jan 2025 17:19

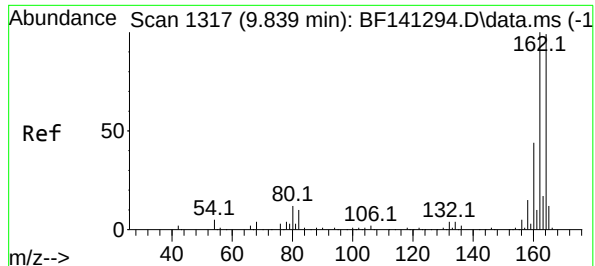
Tgt Ion:142 Resp: 675547

Ion Ratio Lower Upper

142 100

141 90.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

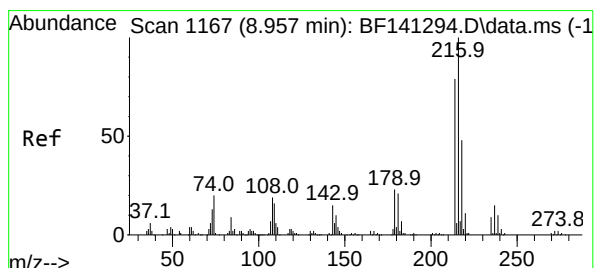
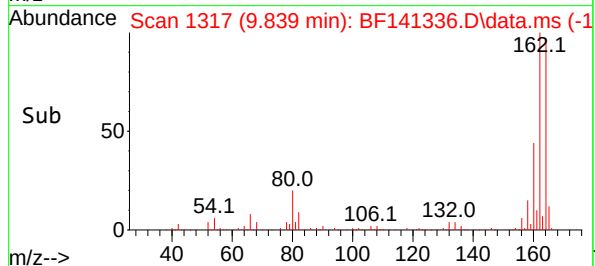
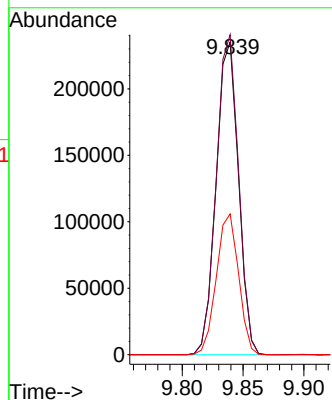
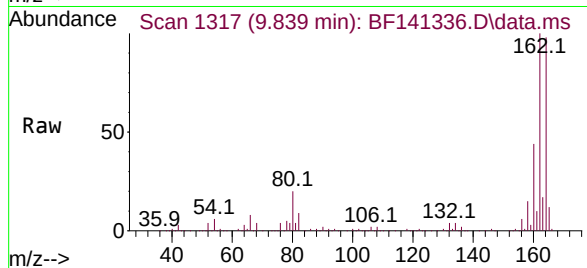
Tgt Ion:164 Resp: 299701

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

160 45.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.224 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

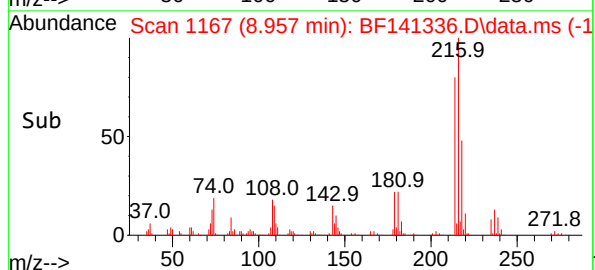
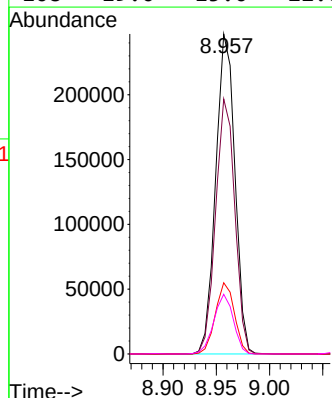
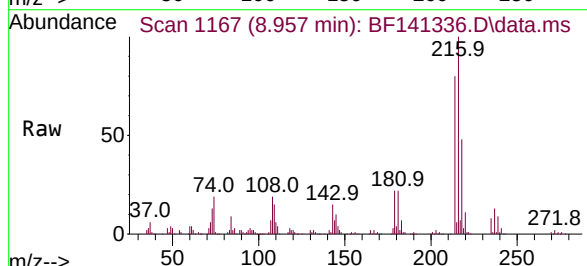
Ion Ratio Lower Upper

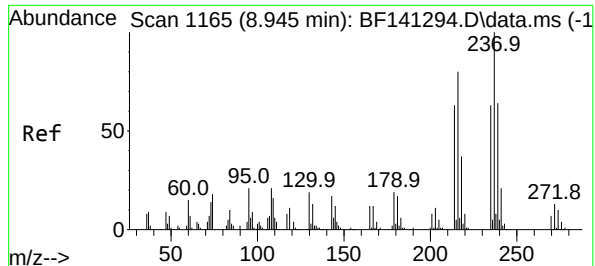
216 100

214 79.6 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 37.949 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

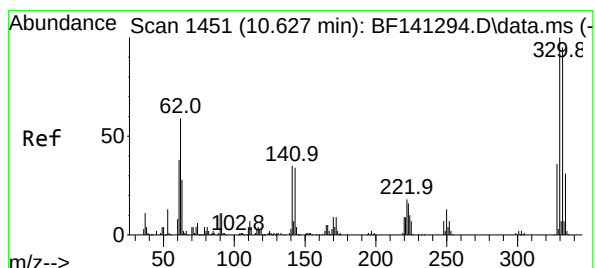
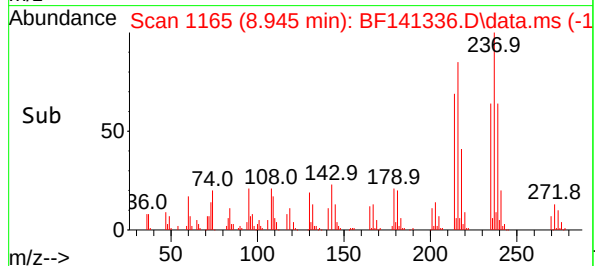
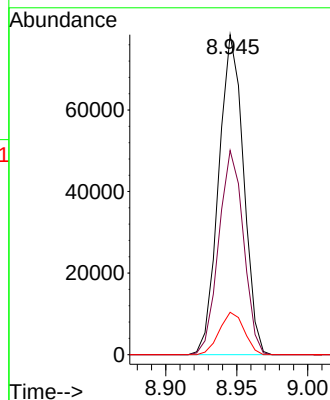
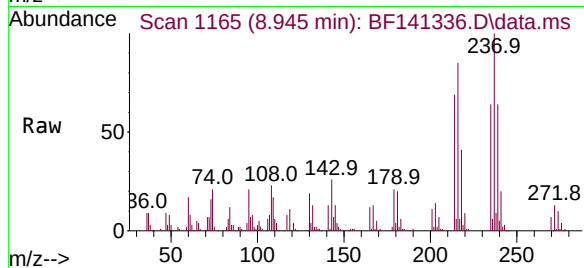
Tgt Ion:237 Resp: 95556

Ion Ratio Lower Upper

237 100

235 63.8 42.9 82.9

272 13.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 77.122 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

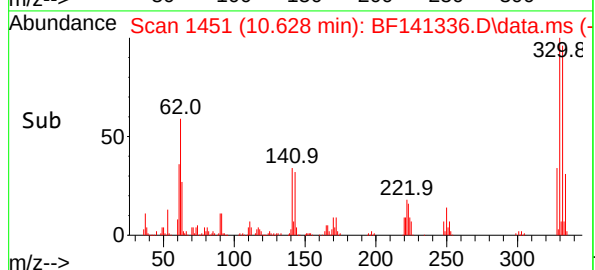
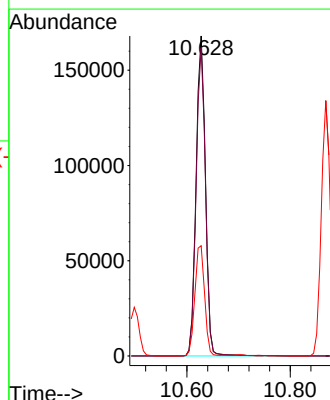
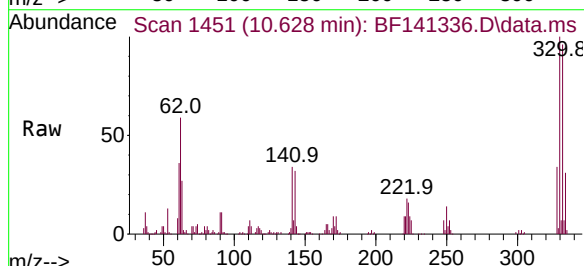
Tgt Ion:330 Resp: 211897

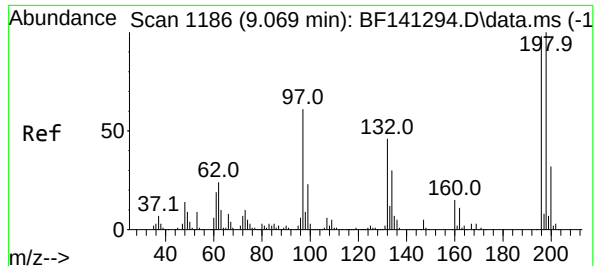
Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 39.199 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

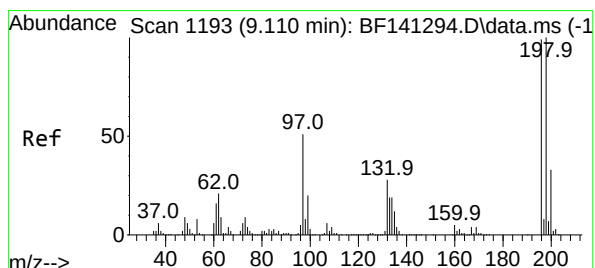
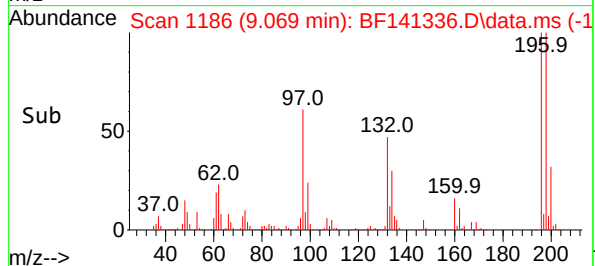
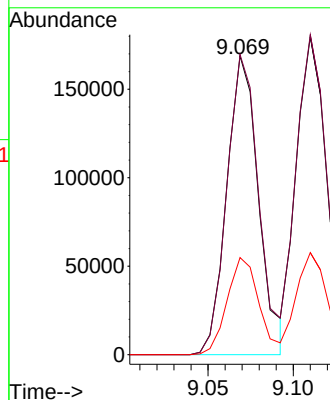
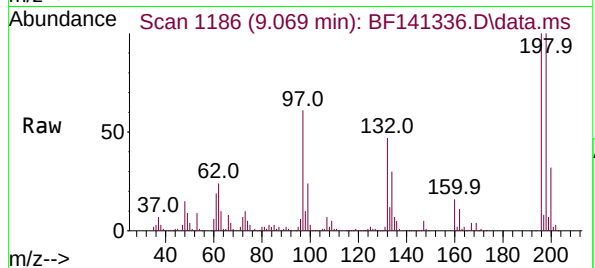
Tgt Ion:196 Resp: 218757

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.608 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

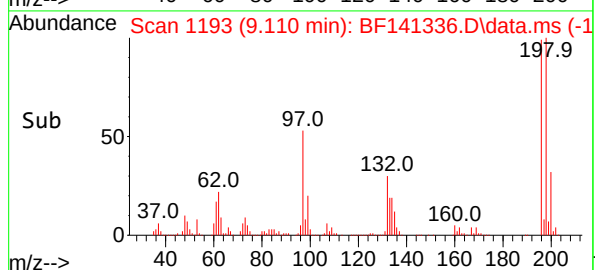
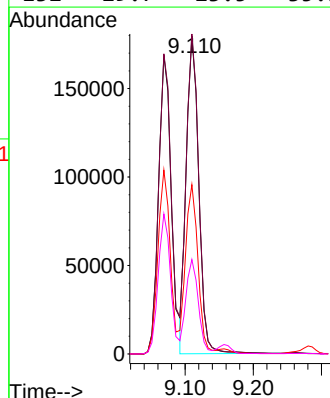
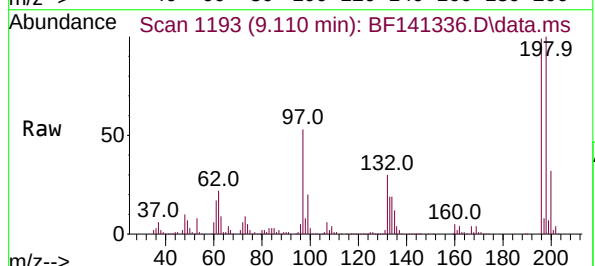
Ion Ratio Lower Upper

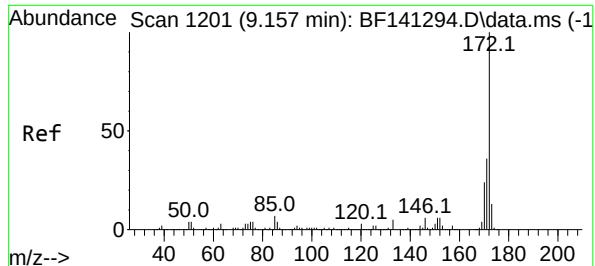
196 100

198 100.7 80.5 120.7

97 53.3 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 70.690 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

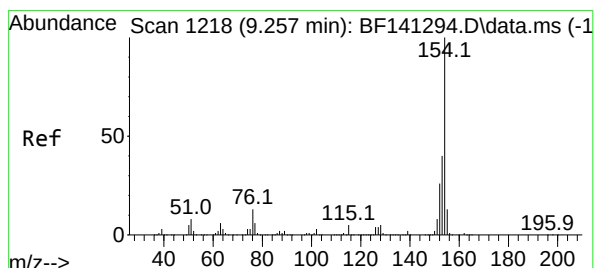
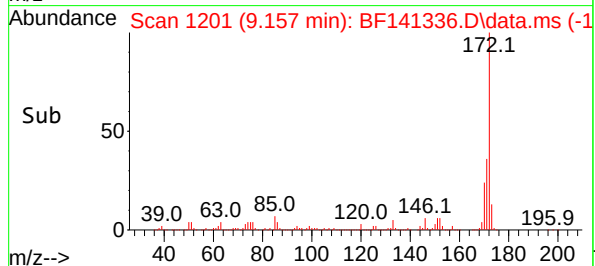
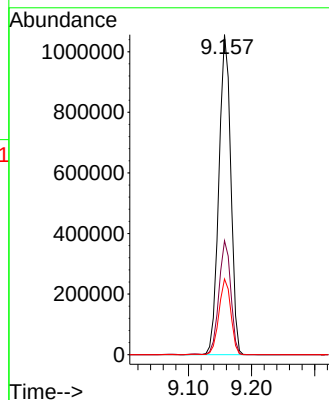
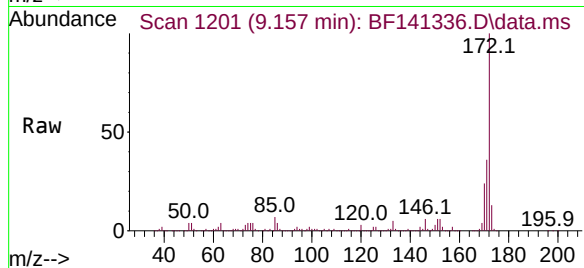
Tgt Ion:172 Resp: 1376427

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 36.585 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

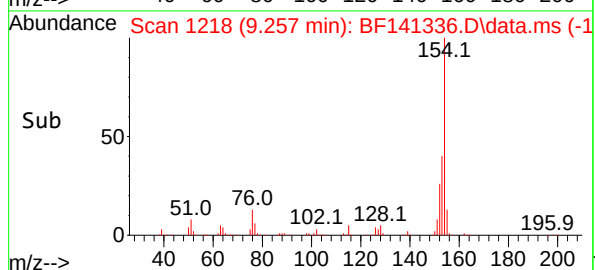
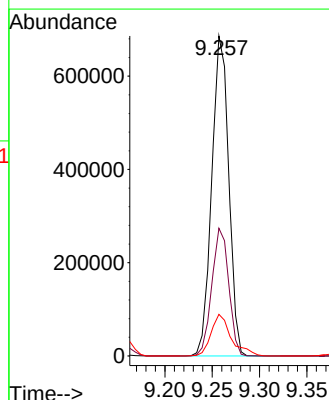
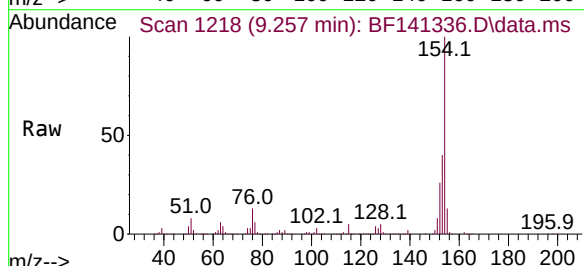
Tgt Ion:154 Resp: 855111

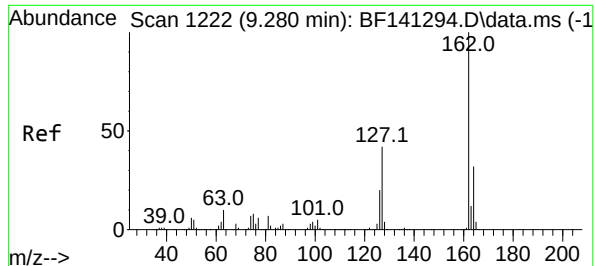
Ion Ratio Lower Upper

154 100

153 39.9 20.0 60.0

76 13.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.251 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

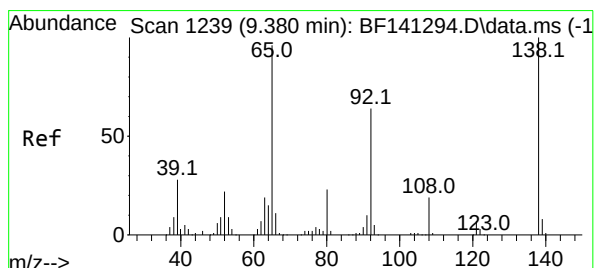
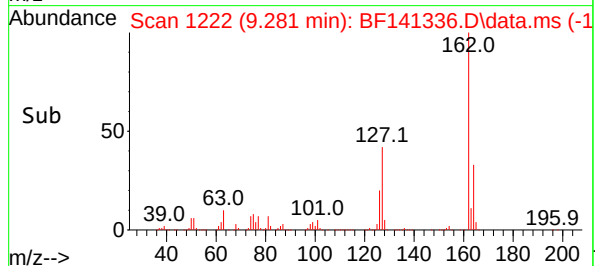
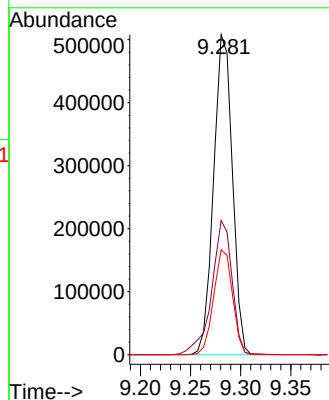
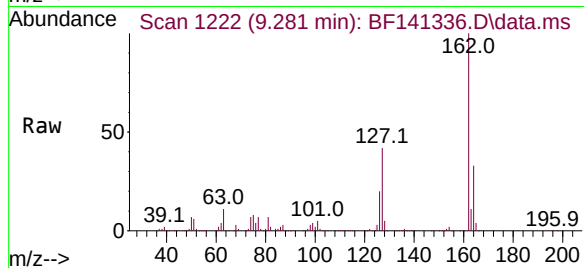
Tgt Ion:162 Resp: 660426

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

164 32.8 25.9 38.9



#48

2-Nitroaniline

Concen: 38.330 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

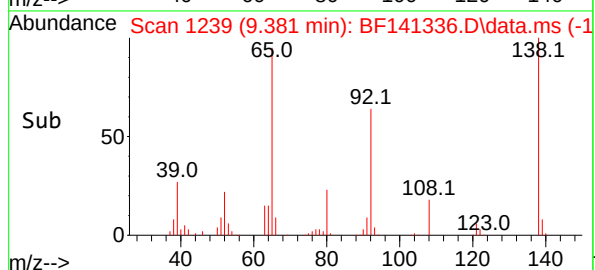
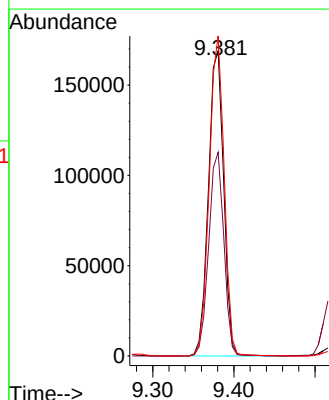
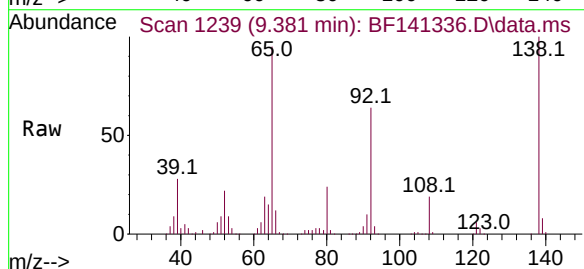
Tgt Ion: 65 Resp: 219643

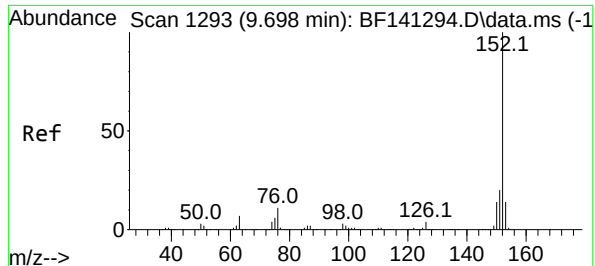
Ion Ratio Lower Upper

65 100

92 66.8 53.3 79.9

138 104.9 83.6 125.4





#49

Acenaphthylene

Concen: 37.073 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

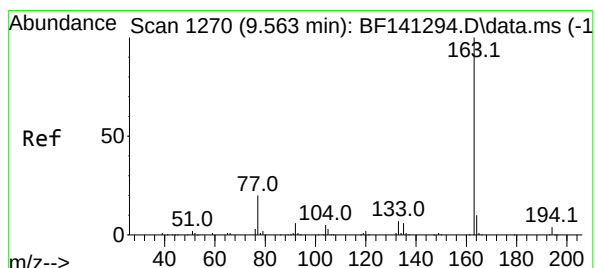
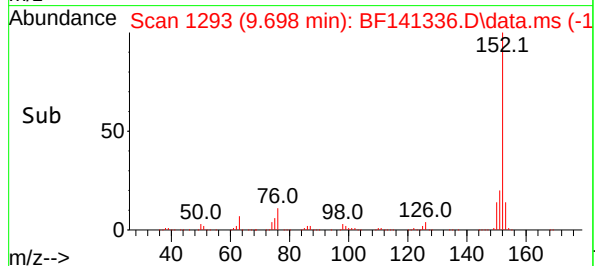
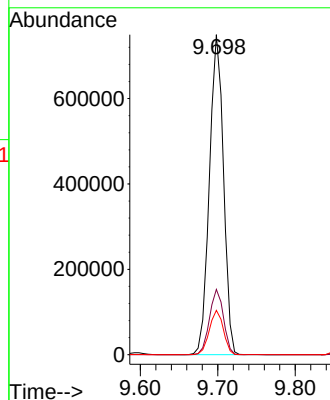
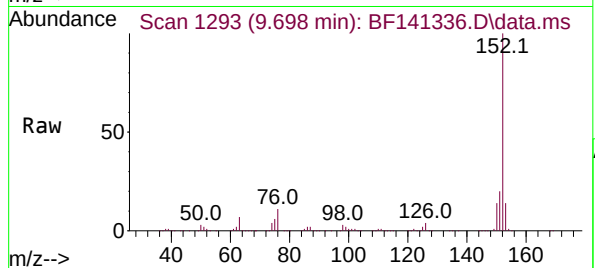
Tgt Ion:152 Resp: 945423

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 38.200 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

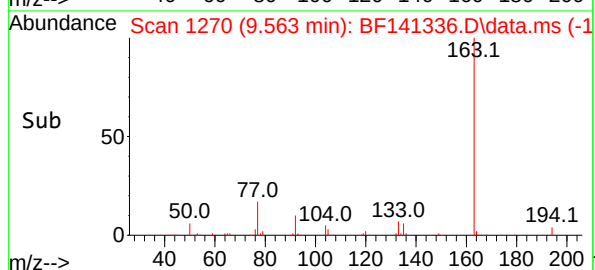
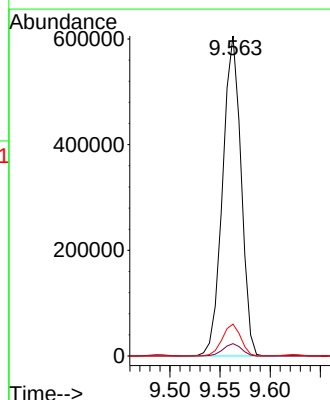
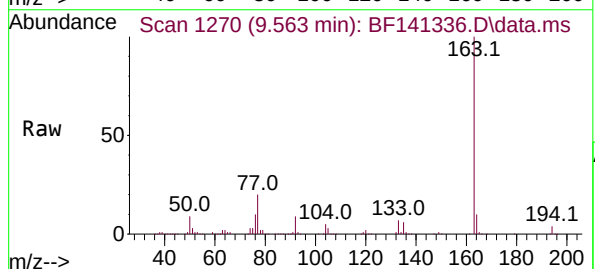
Tgt Ion:163 Resp: 773243

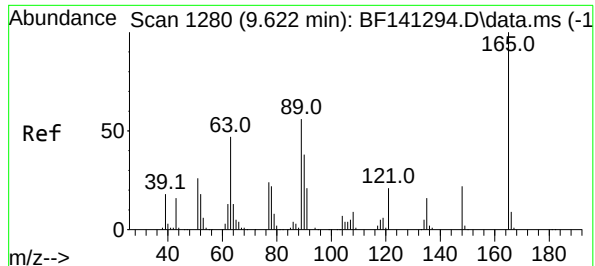
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 38.268 ng

RT: 9.622 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

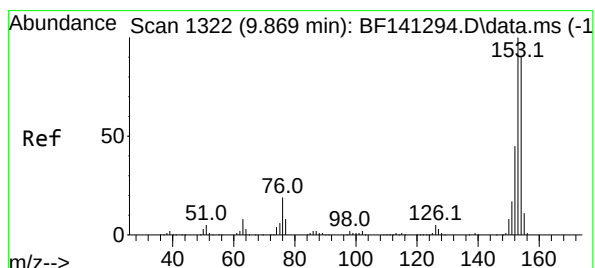
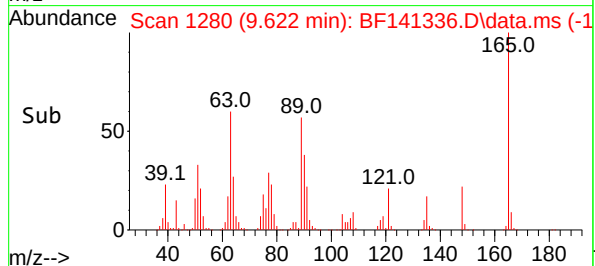
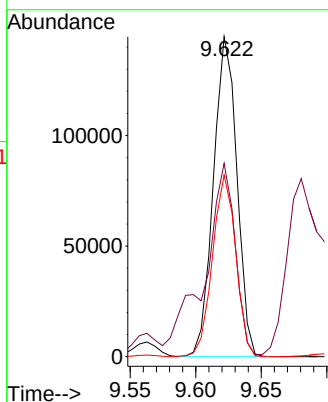
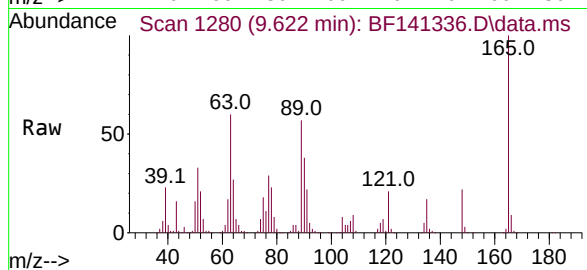
Tgt Ion:165 Resp: 179857

Ion Ratio Lower Upper

165 100

63 60.4 48.1 72.1

89 56.7 44.9 67.3



#52

Acenaphthene

Concen: 37.066 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

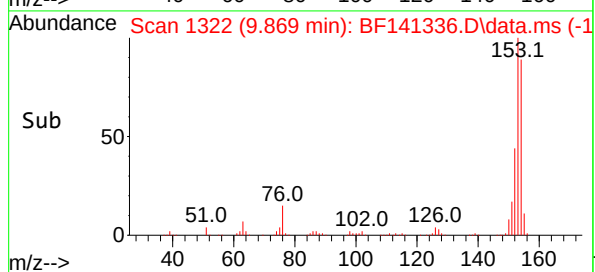
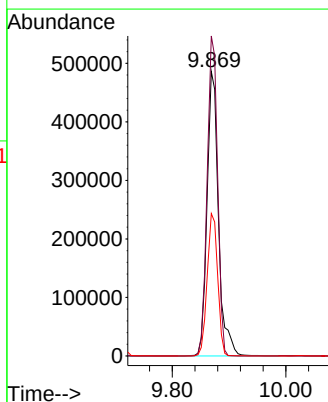
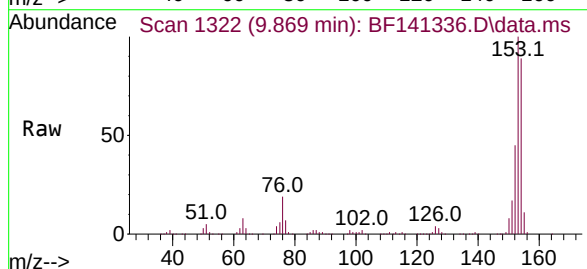
Tgt Ion:154 Resp: 675302

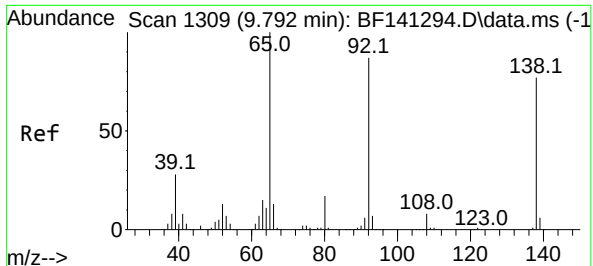
Ion Ratio Lower Upper

154 100

153 112.5 89.0 133.4

152 50.1 40.2 60.4





#53

3-Nitroaniline

Concen: 37.936 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

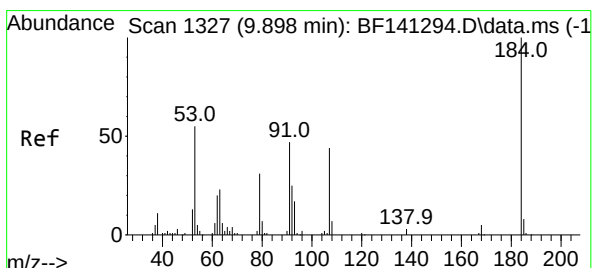
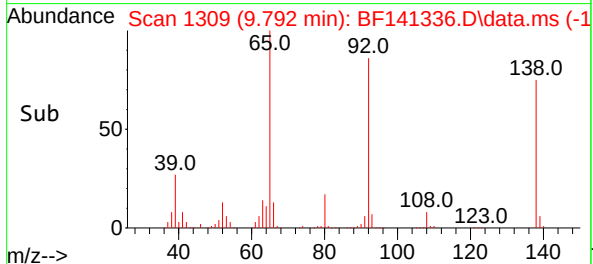
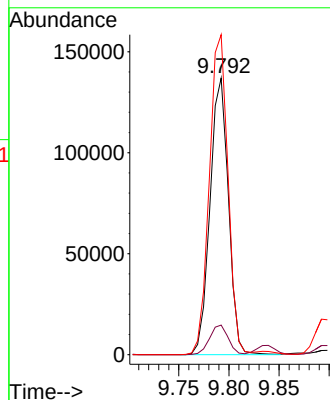
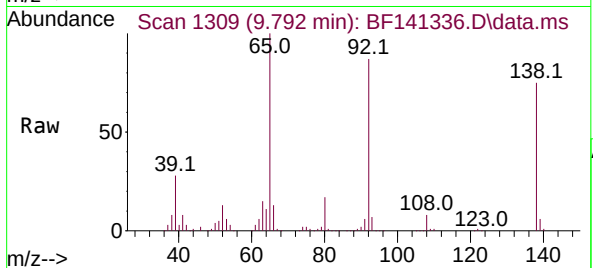
Tgt Ion:138 Resp: 174746

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 115.7 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 41.270 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

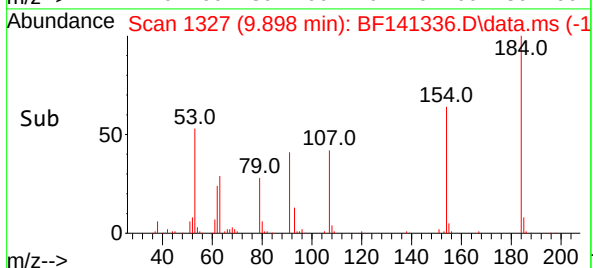
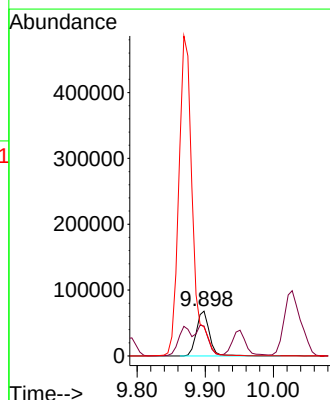
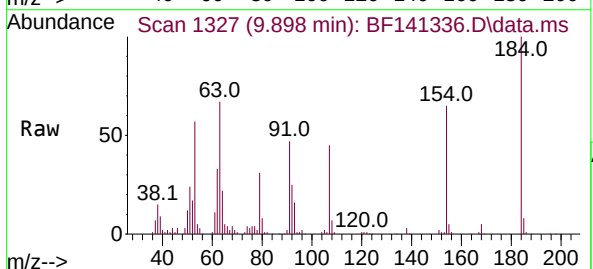
Tgt Ion:184 Resp: 90166

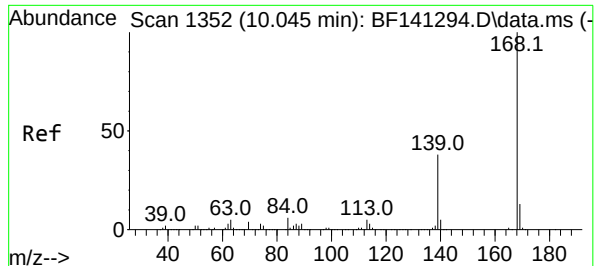
Ion Ratio Lower Upper

184 100

63 66.5 54.1 81.1

154 64.7 50.7 76.1





#55

Dibenzenofuran

Concen: 36.395 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

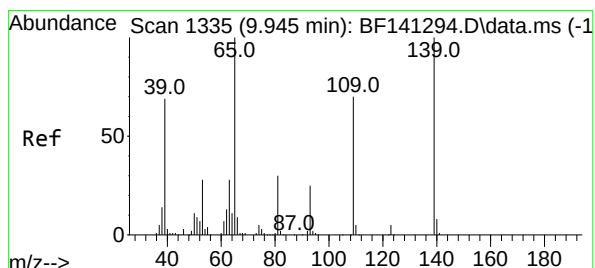
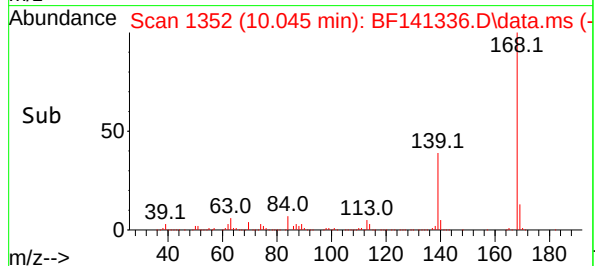
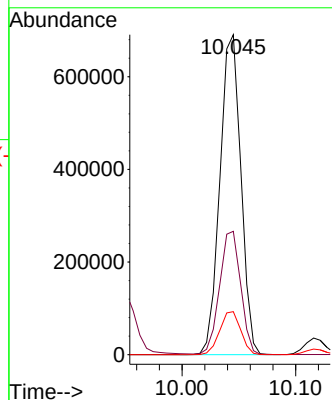
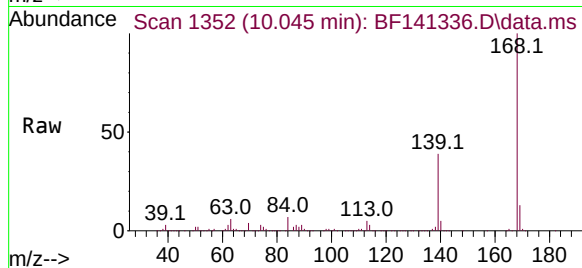
Tgt Ion:168 Resp: 887550

Ion Ratio Lower Upper

168 100

139 38.5 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 53.378 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

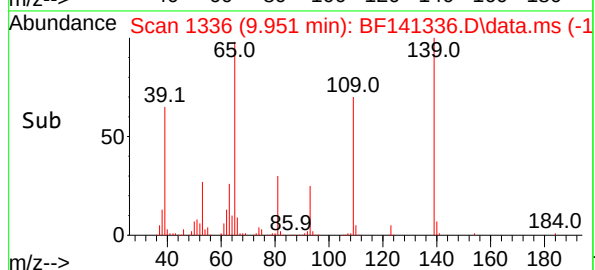
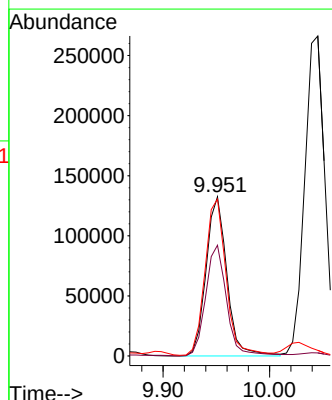
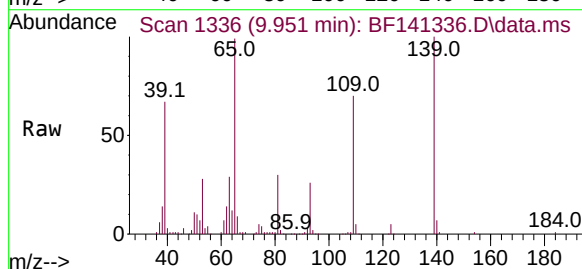
Tgt Ion:139 Resp: 179822

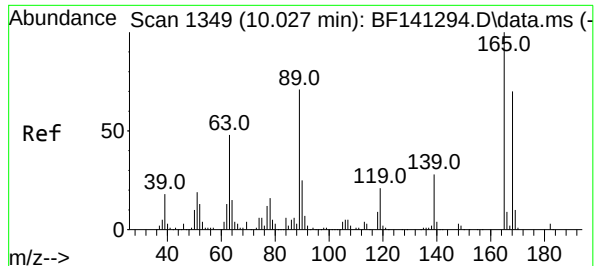
Ion Ratio Lower Upper

139 100

109 69.6 50.2 90.2

65 98.6 80.6 120.6



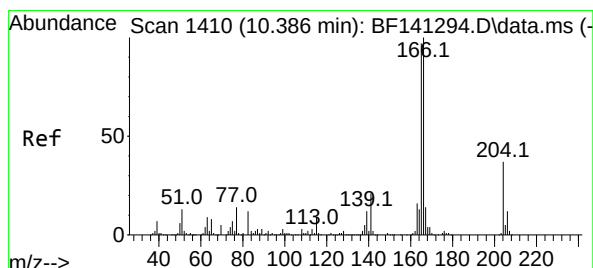
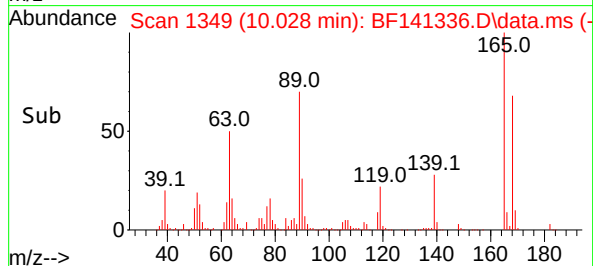
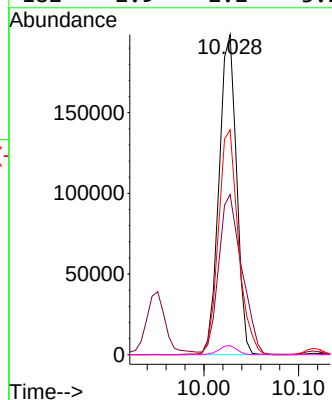
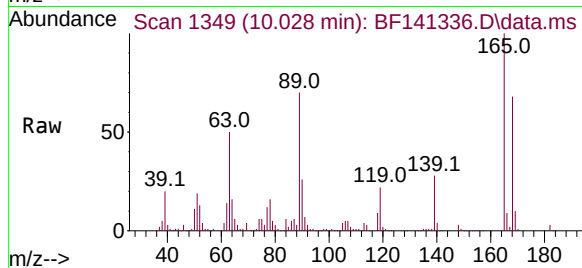


#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 255655

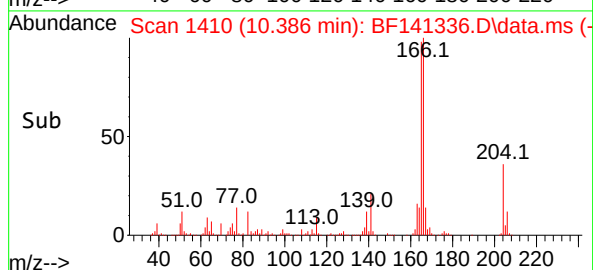
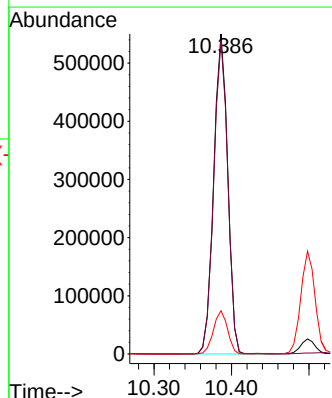
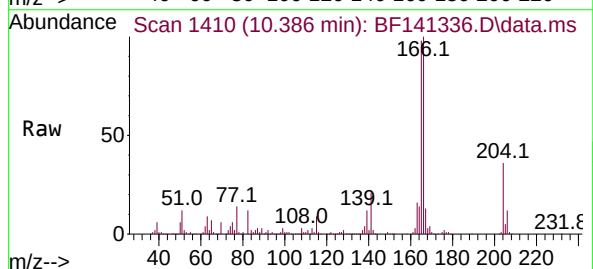
Ion	Ratio	Lower	Upper
165	100		
63	50.0	39.2	58.8
89	70.2	56.9	85.3
182	2.9	2.2	3.2

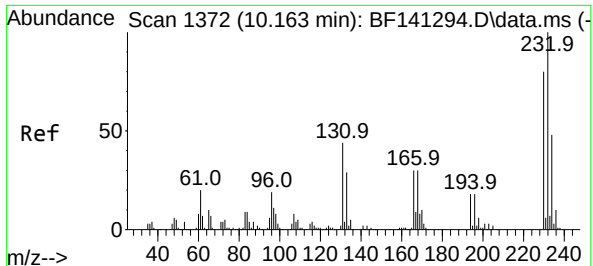


#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.5	116.3
167	13.5	10.9	16.3

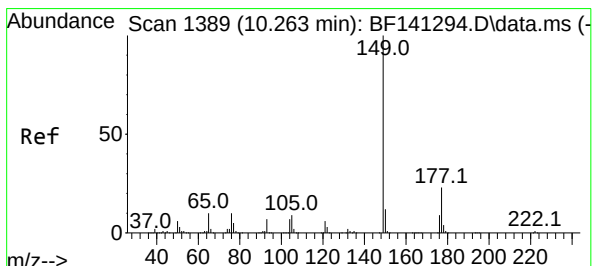
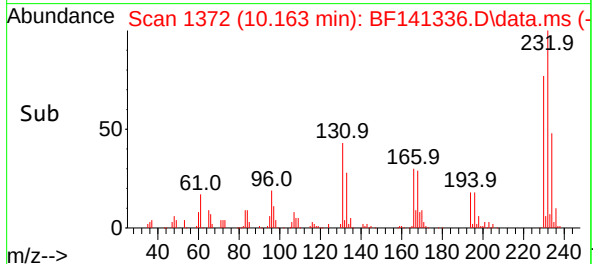
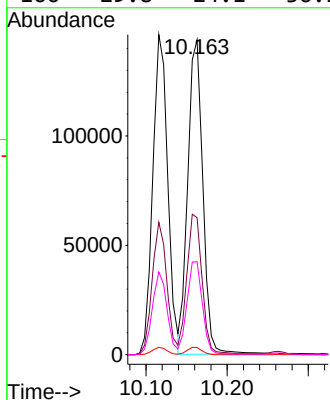
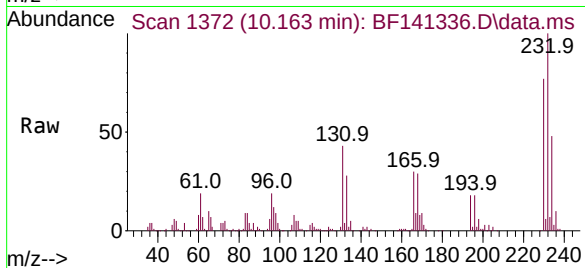




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

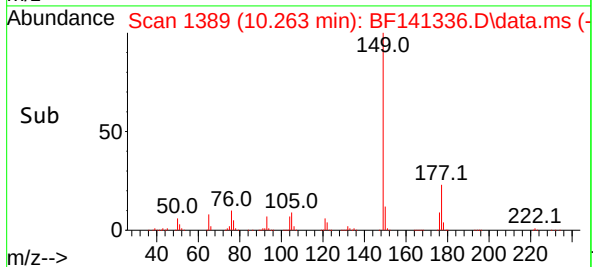
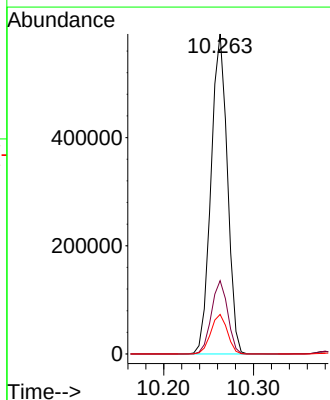
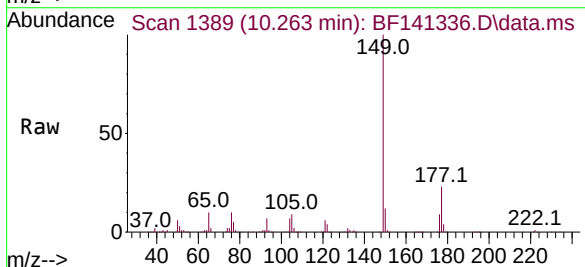
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

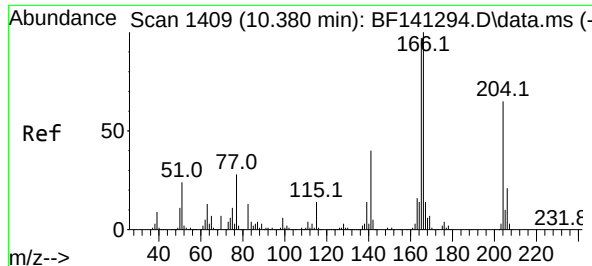
Tgt Ion:232 Resp: 185895
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.3 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0

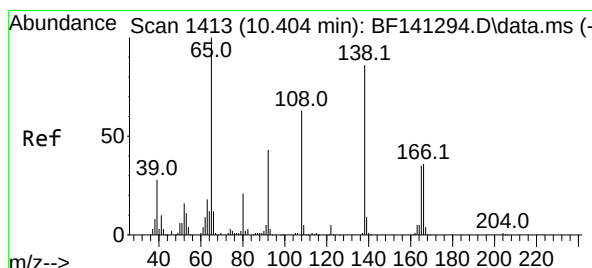
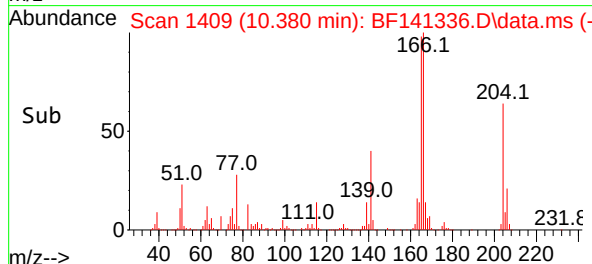
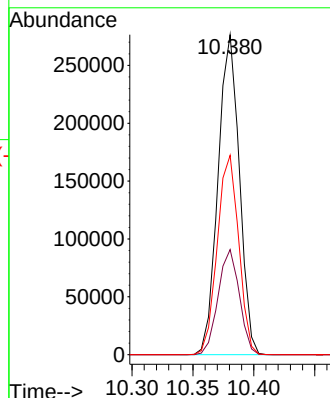
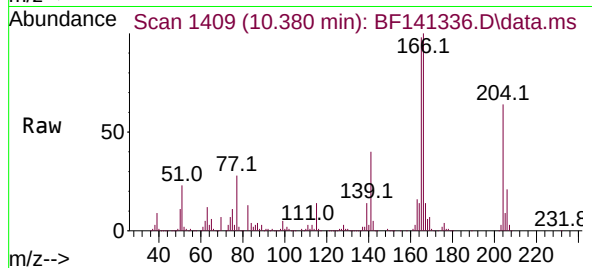




#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

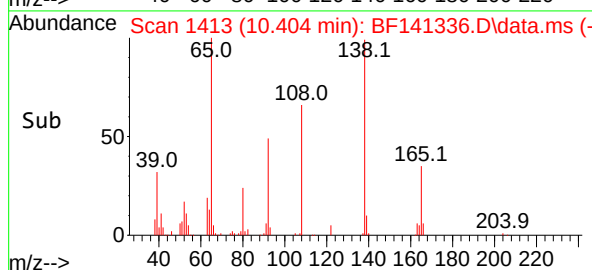
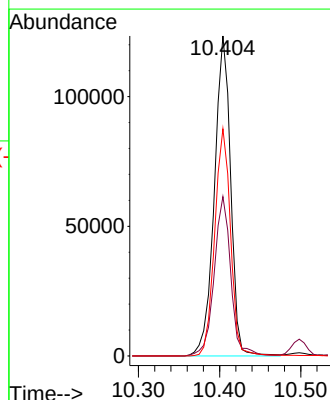
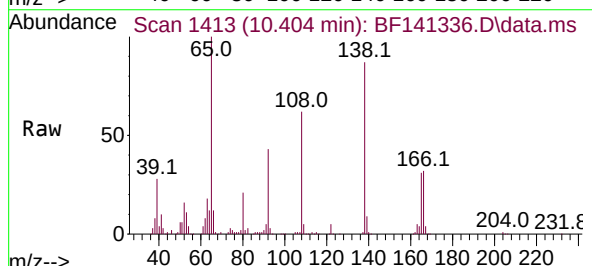
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

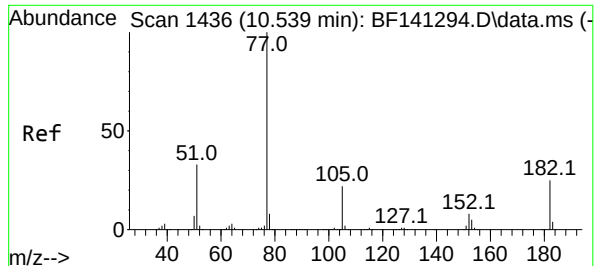
Tgt Ion:204 Resp: 336871
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 62.3 49.5 74.3



#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379
Ion Ratio Lower Upper
138 100
92 49.8 30.1 70.1
108 71.0 53.1 93.1

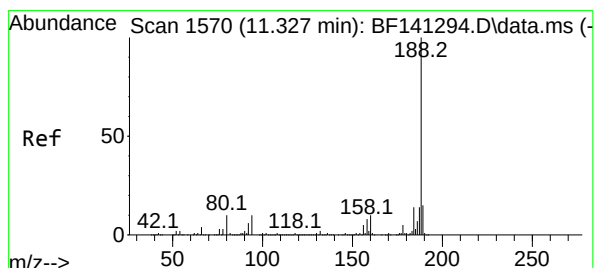
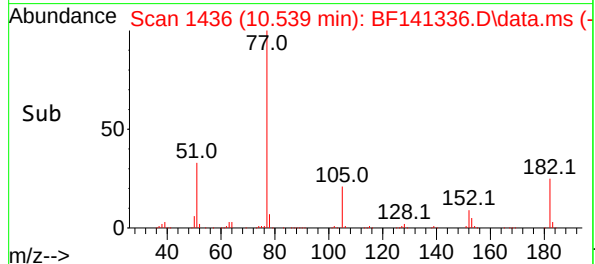
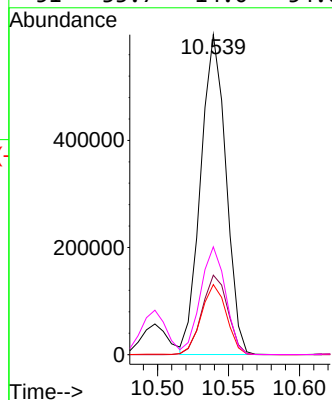
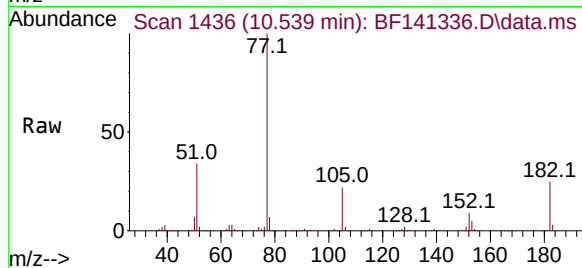




#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

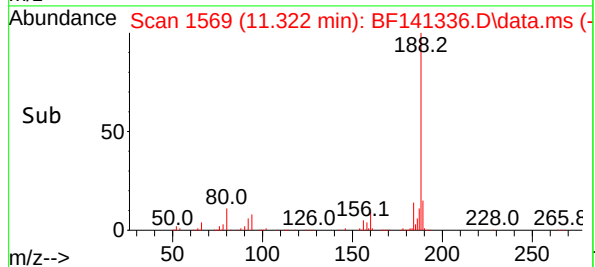
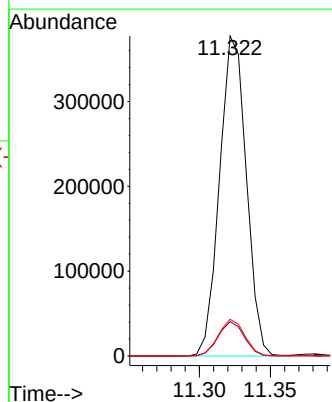
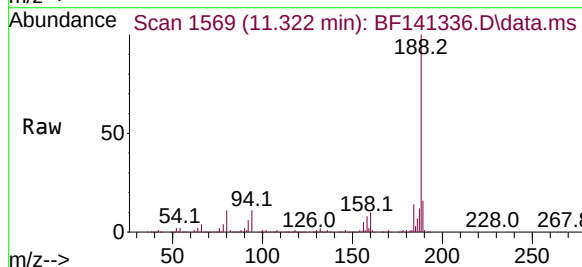
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

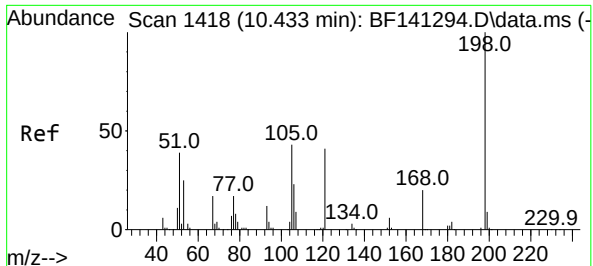
Tgt Ion: 77	Resp: 738145
Ion Ratio	Lower Upper
77 100	
182 24.8	5.1 45.1
105 21.9	1.8 41.8
51 33.7	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 188	Resp: 493954
Ion Ratio	Lower Upper
188 100	
94 10.7	7.8 11.6
80 11.5	8.2 12.4

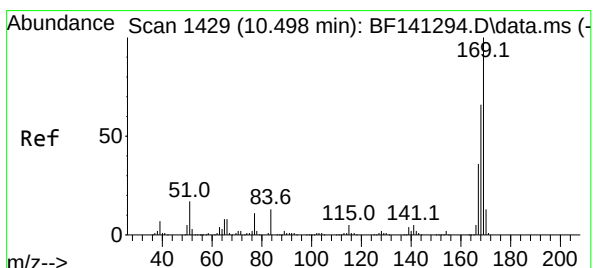
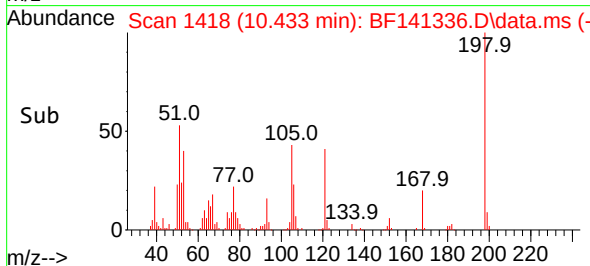
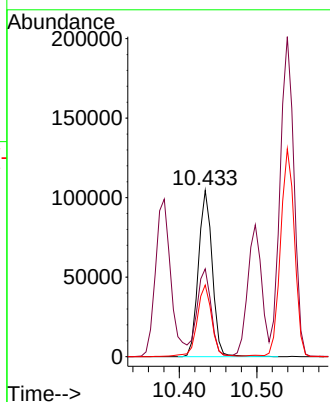
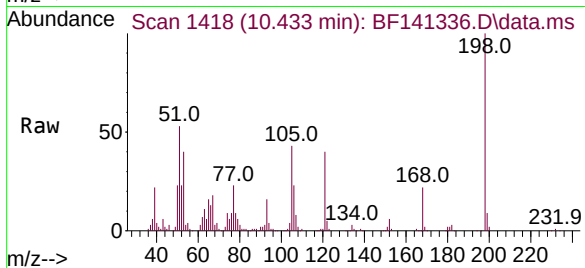




#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

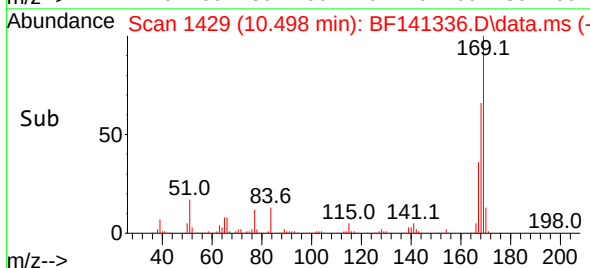
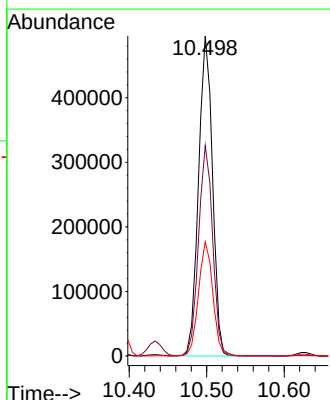
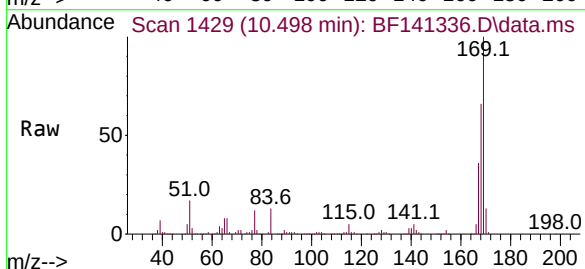
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

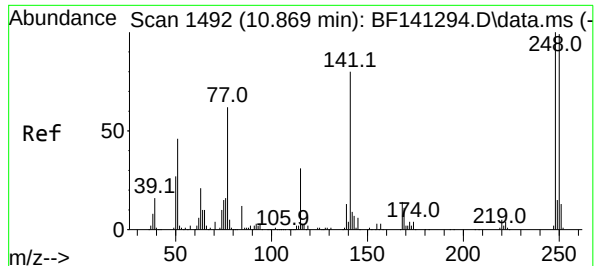
Tgt Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.1	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	35.7	28.8	43.2

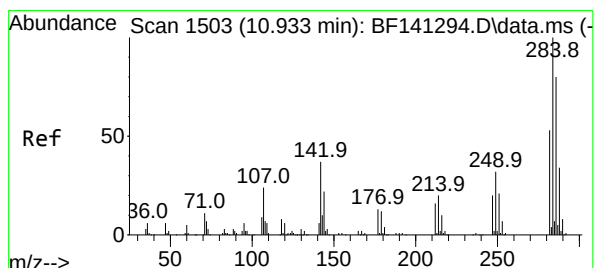
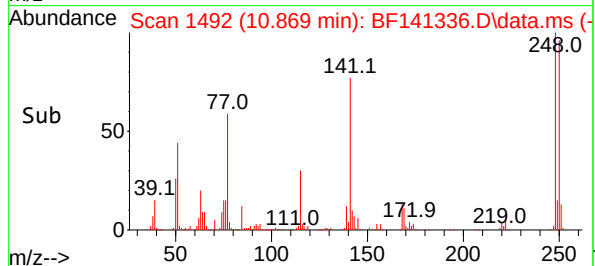
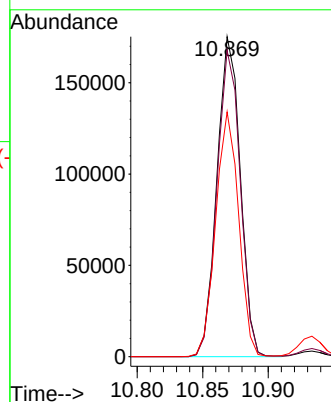
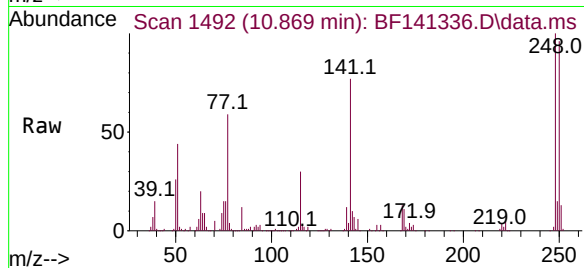




#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

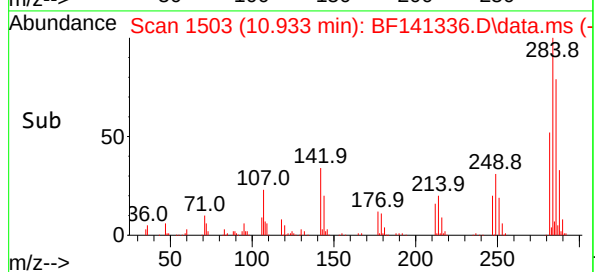
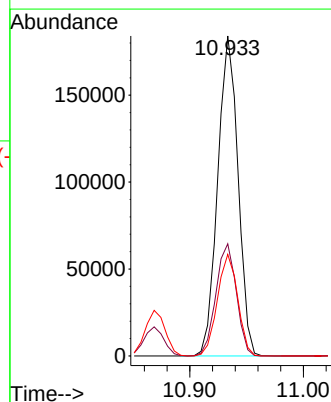
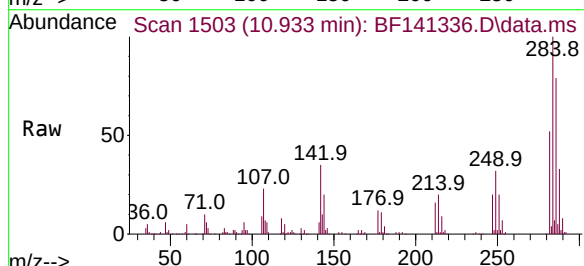
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

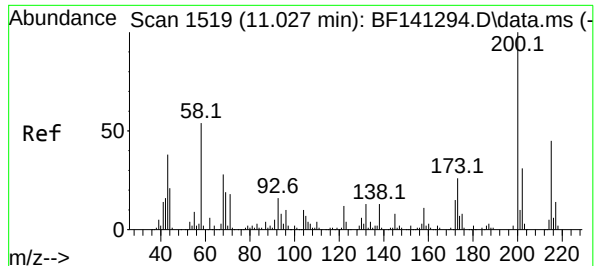
Tgt Ion:248 Resp: 216973
Ion Ratio Lower Upper
248 100
250 95.7 79.0 118.4
141 76.5 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716
Ion Ratio Lower Upper
284 100
142 35.1 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 33.985 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

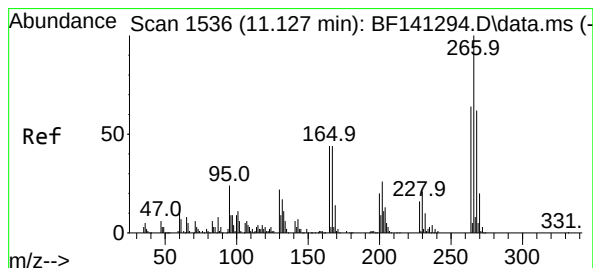
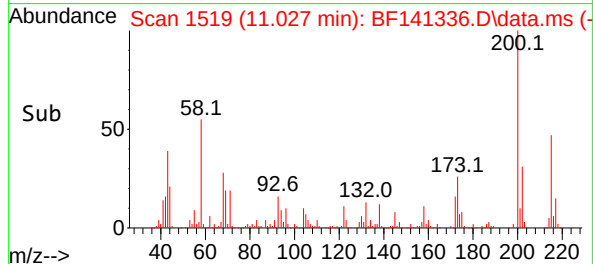
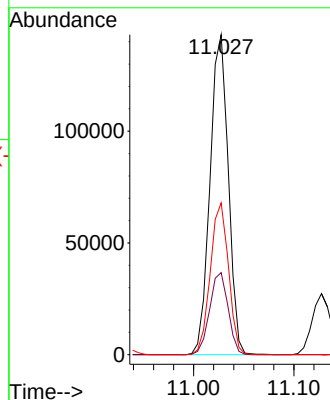
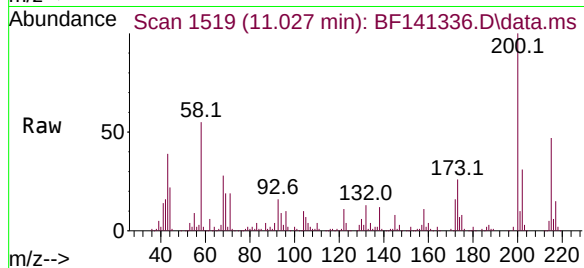
Tgt Ion:200 Resp: 181536

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

215 47.4 25.2 65.2



#70

Pentachlorophenol

Concen: 53.575 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

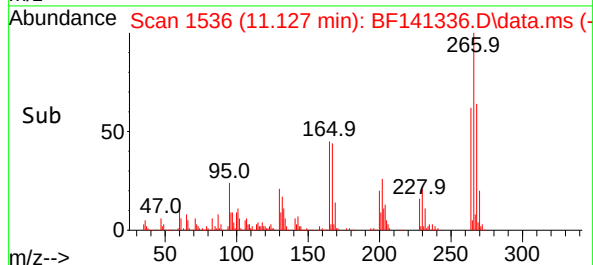
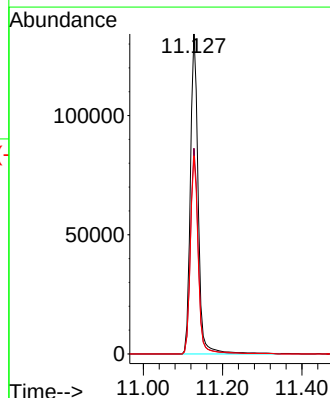
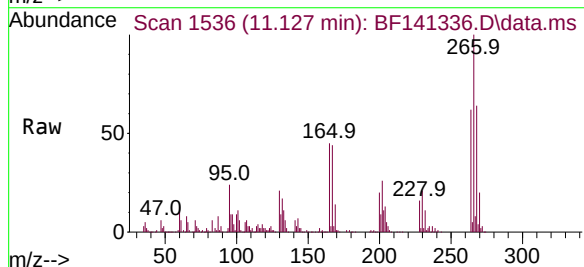
Tgt Ion:266 Resp: 184030

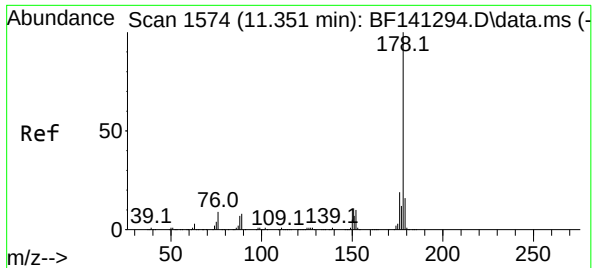
Ion Ratio Lower Upper

266 100

268 64.3 49.9 74.9

264 61.9 51.0 76.4

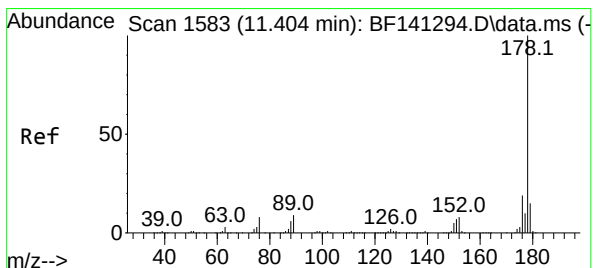
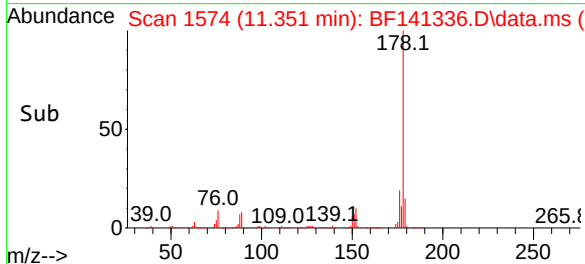
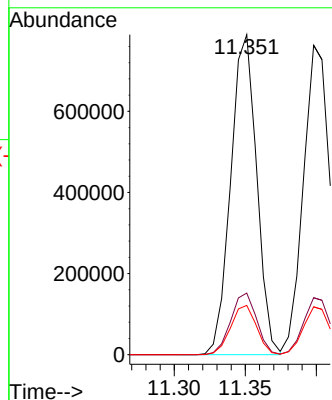
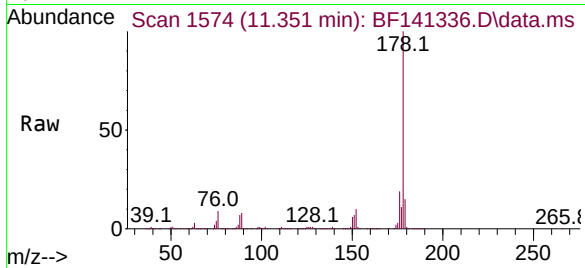




#71
Phenanthrene
Concen: 37.819 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

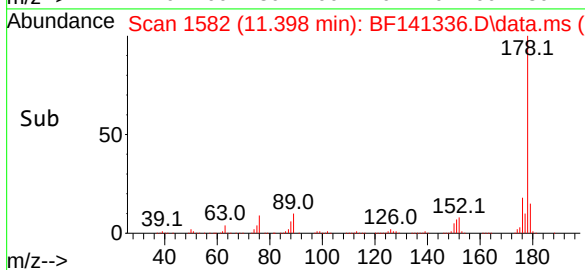
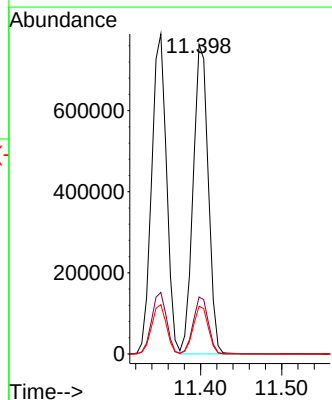
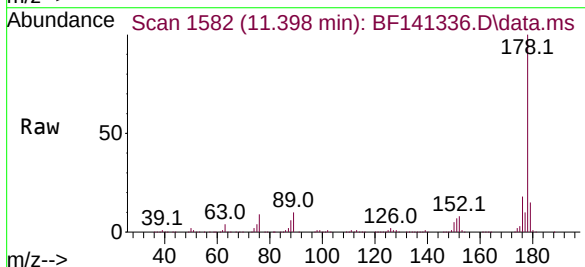
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

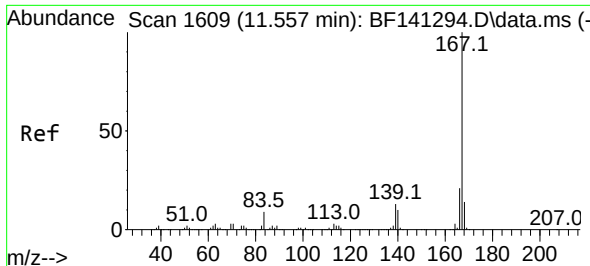
Tgt Ion:178 Resp: 1004184
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 37.948 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.5 12.3 18.5

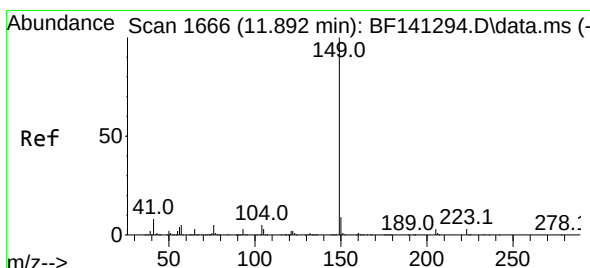
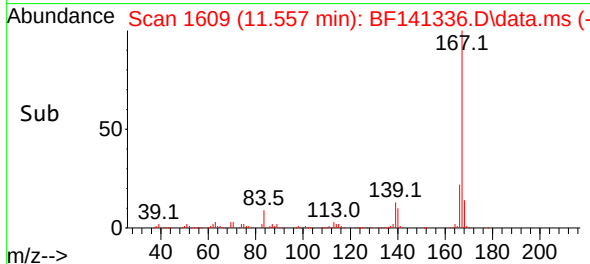
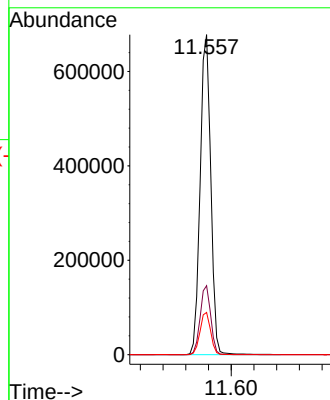
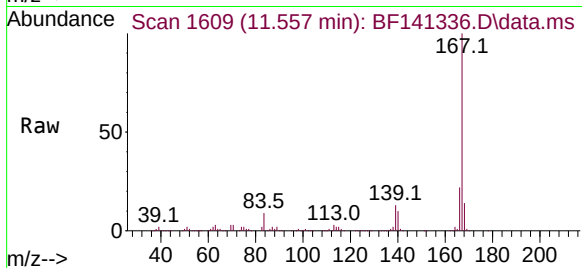




#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

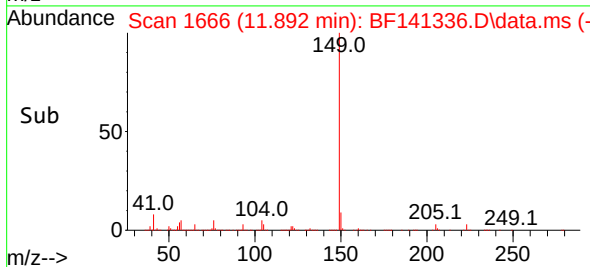
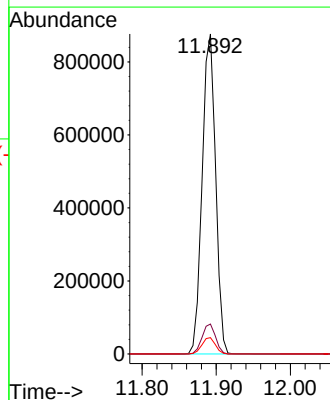
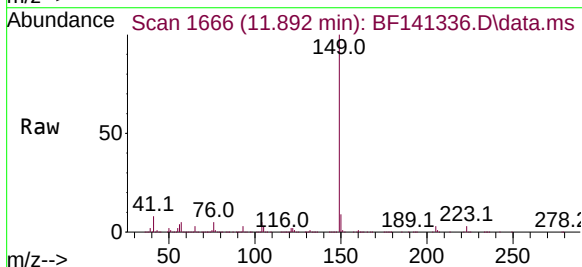
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

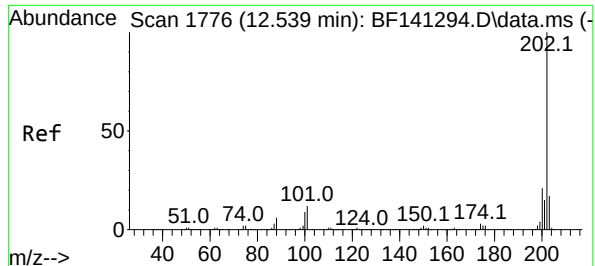
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.2	10.6	16.0



#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9





#75

Fluoranthene

Concen: 38.098 ng

RT: 12.539 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

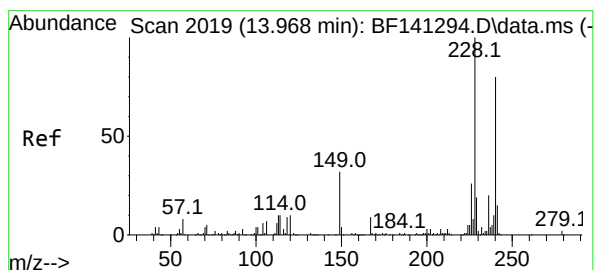
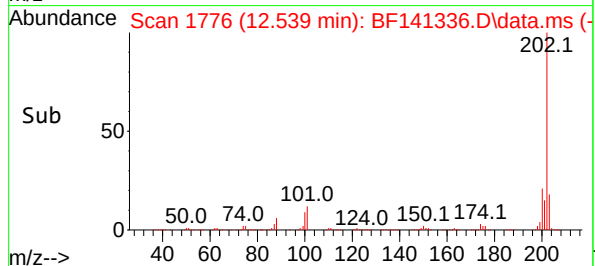
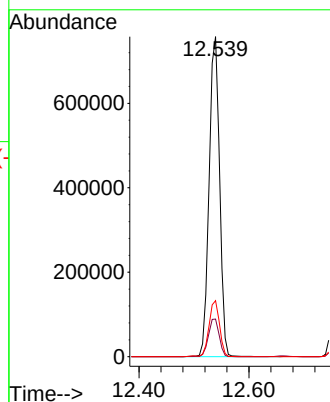
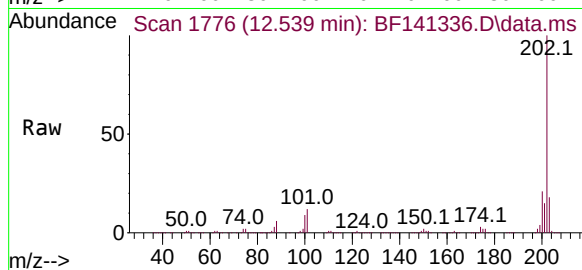
Tgt Ion:202 Resp: 998810

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

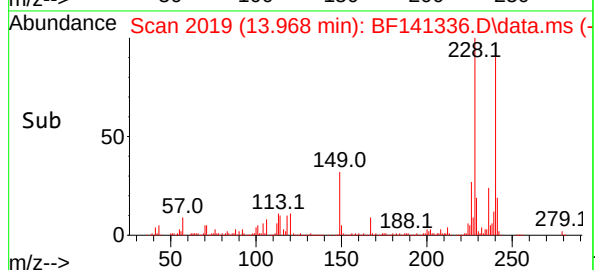
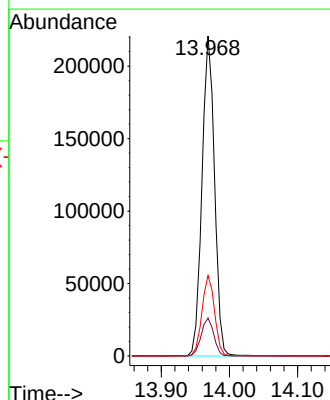
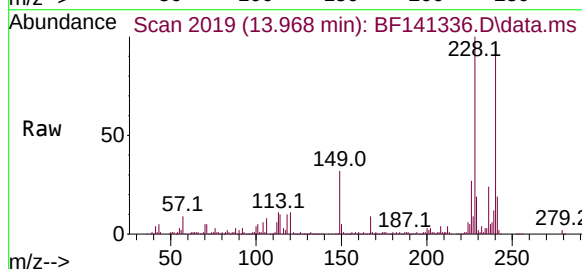
Tgt Ion:240 Resp: 281629

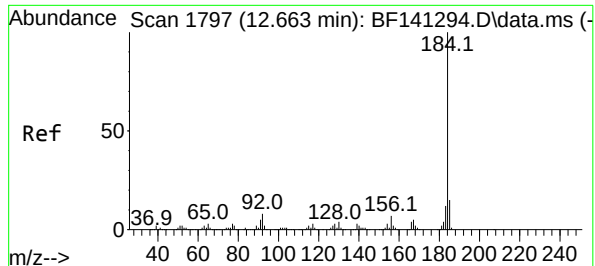
Ion Ratio Lower Upper

240 100

120 11.9 10.0 15.0

236 25.1 19.7 29.5





#77

Benzidine

Concen: 38.664 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

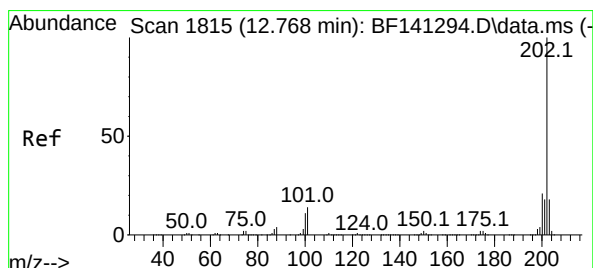
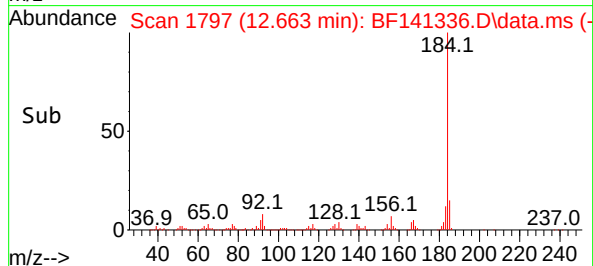
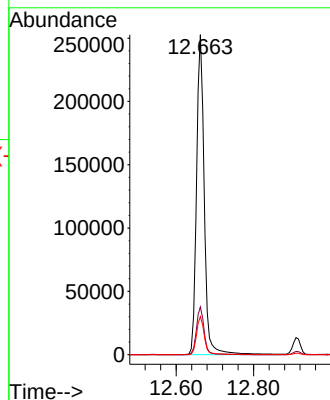
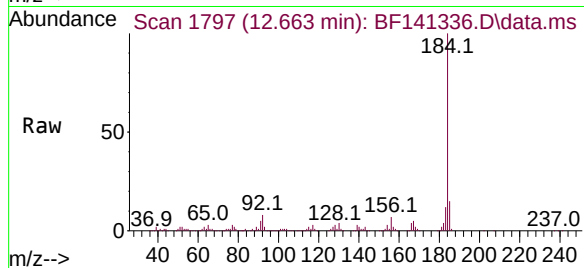
Tgt Ion:184 Resp: 349084

Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 40.606 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

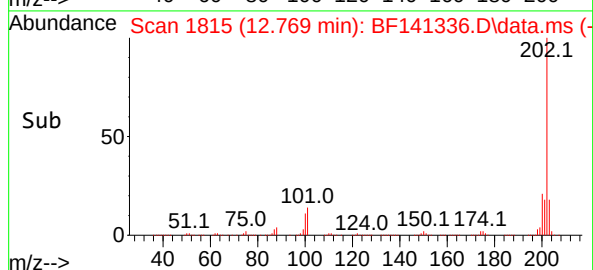
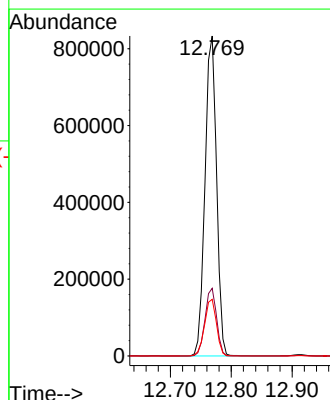
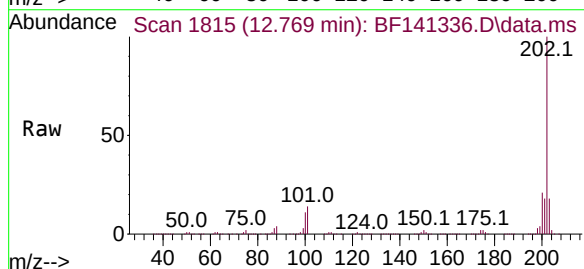
Tgt Ion:202 Resp: 1097741

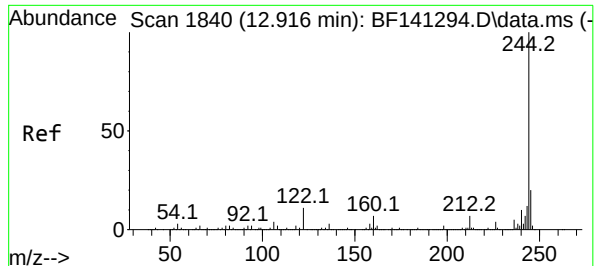
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 72.583 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

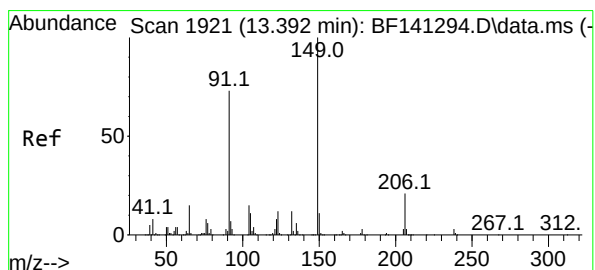
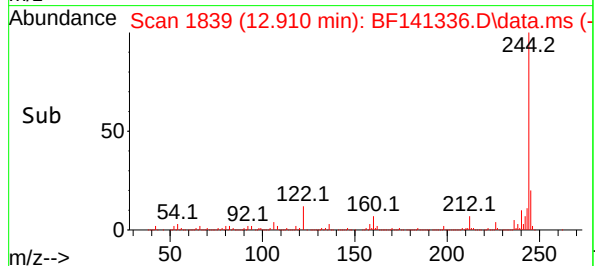
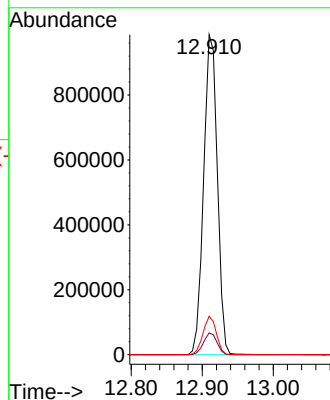
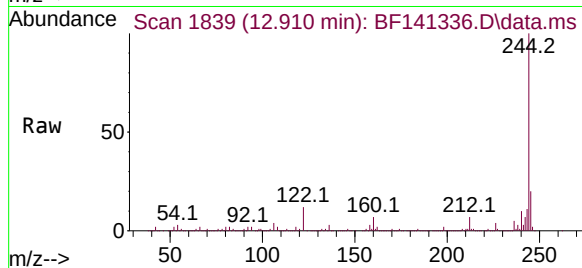
Tgt Ion:244 Resp: 1325492

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 12.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 39.103 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

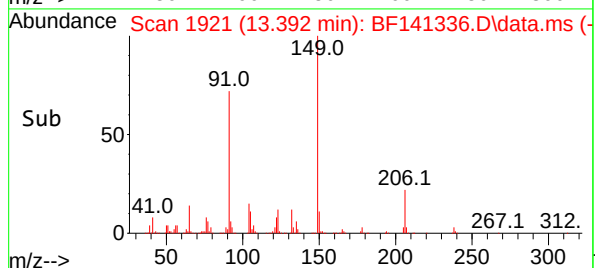
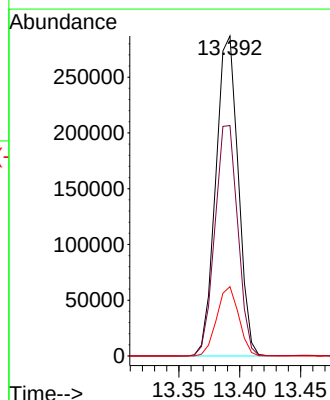
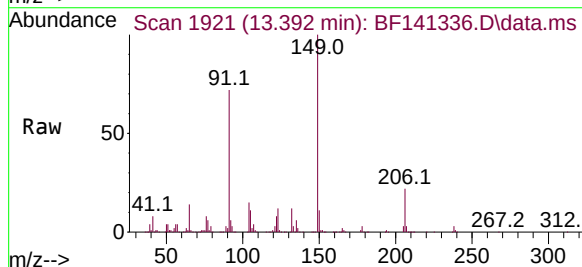
Tgt Ion:149 Resp: 369304

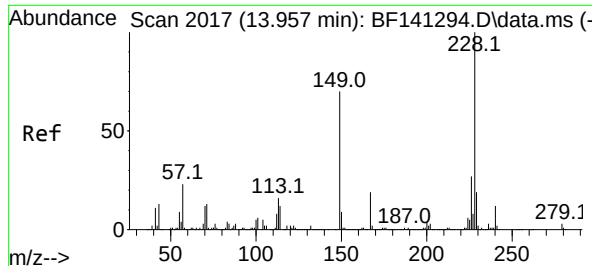
Ion Ratio Lower Upper

149 100

91 72.0 58.6 87.8

206 21.7 16.7 25.1





#81

Benzo(a)anthracene

Concen: 34.223 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

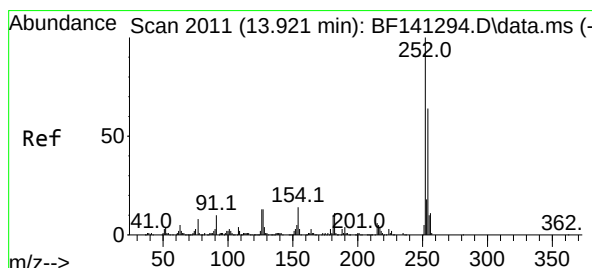
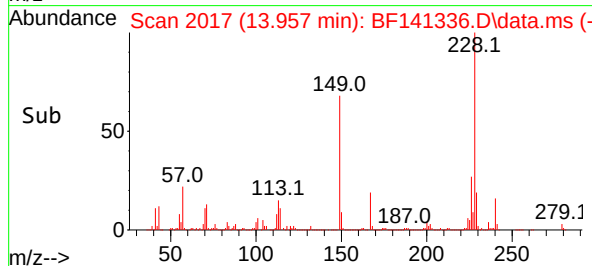
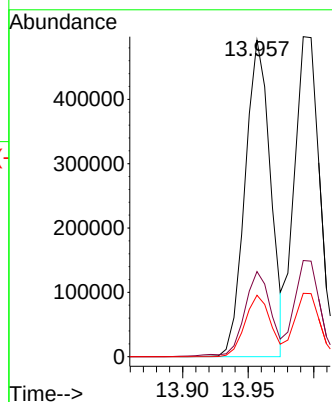
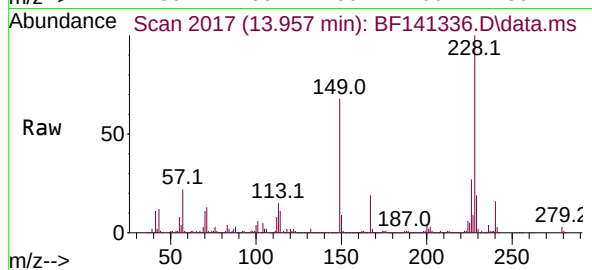
Tgt Ion:228 Resp: 665086

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

229 19.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 36.200 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

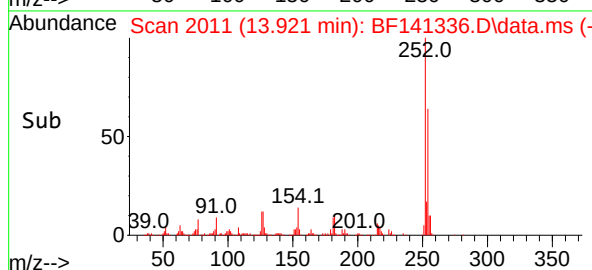
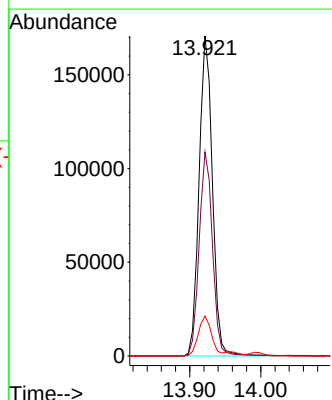
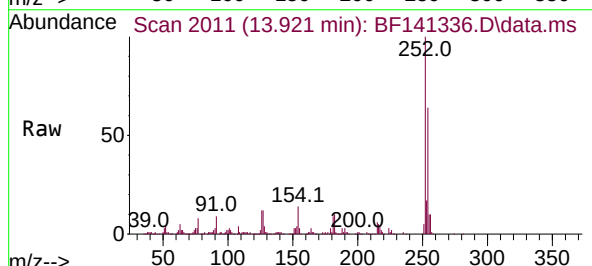
Tgt Ion:252 Resp: 223750

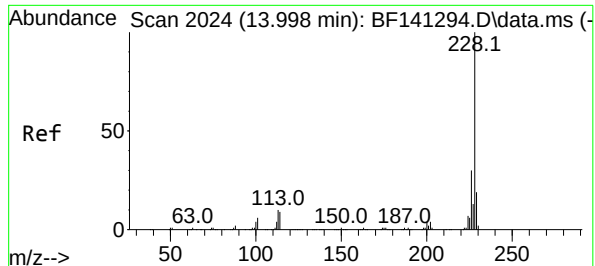
Ion Ratio Lower Upper

252 100

254 63.7 51.3 76.9

126 12.5 10.0 15.0





#83

Chrysene

Concen: 37.287 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

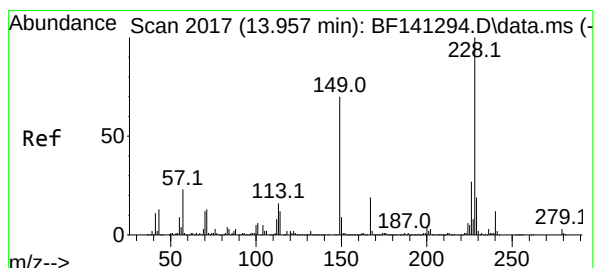
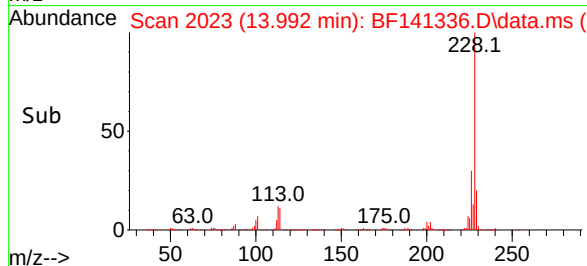
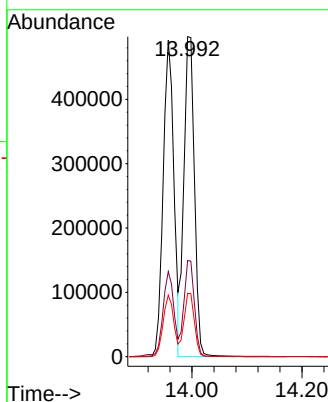
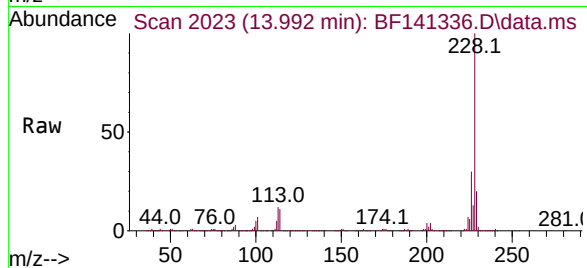
Tgt Ion:228 Resp: 664102

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.304 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

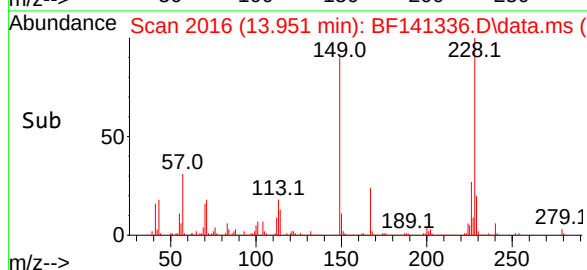
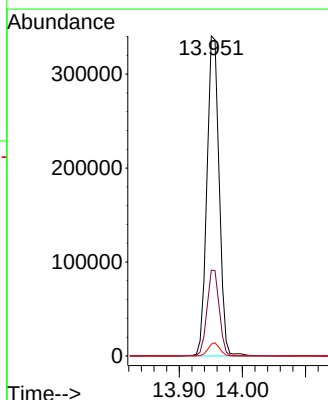
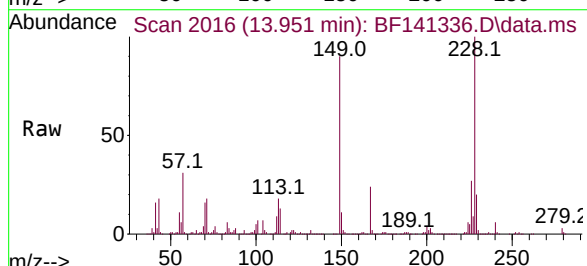
Tgt Ion:149 Resp: 458911

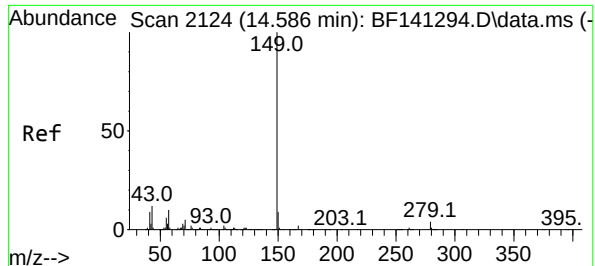
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

279 3.7 3.3 4.9

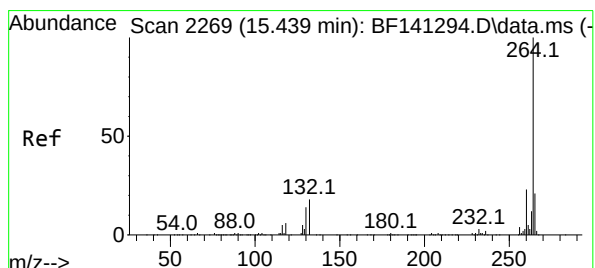
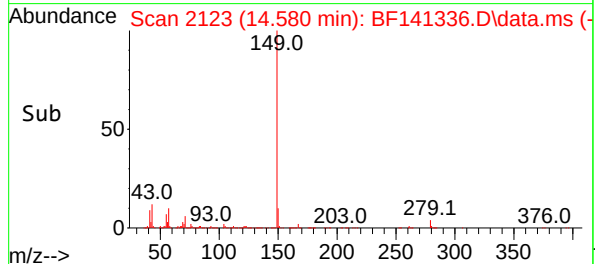
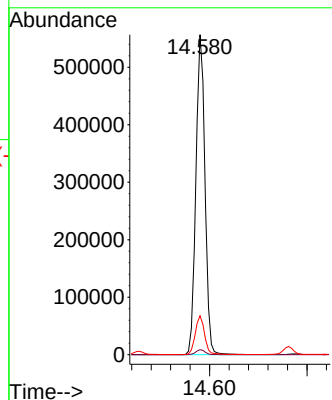
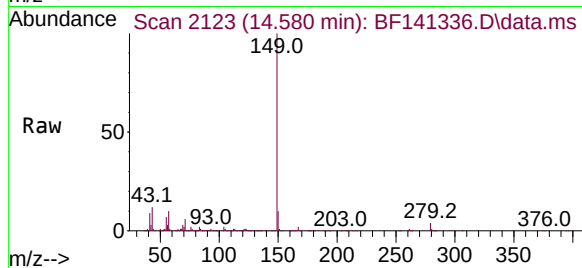




#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

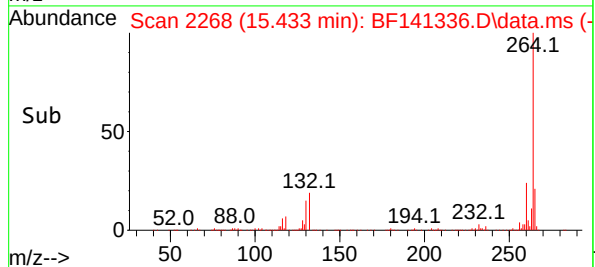
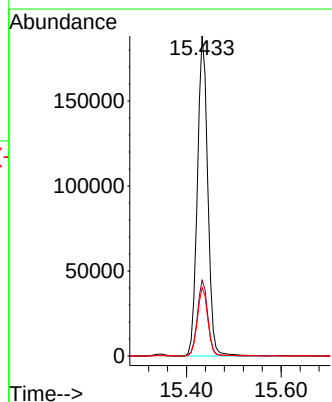
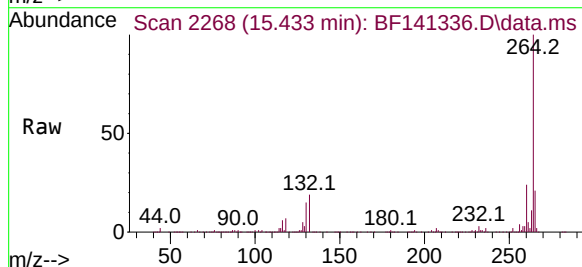
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

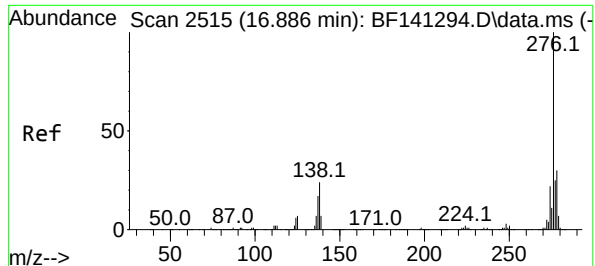
Tgt Ion:149 Resp: 723593
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.376 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

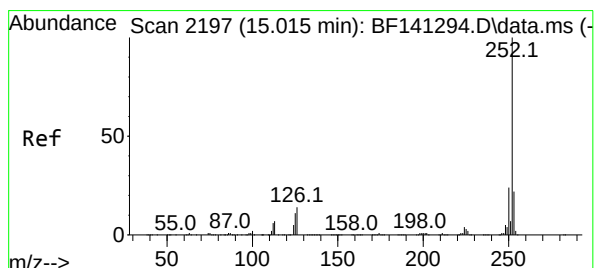
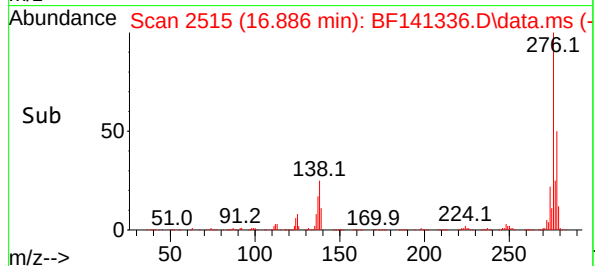
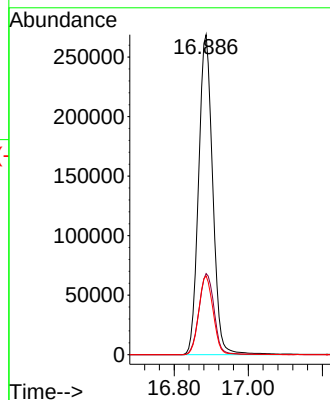
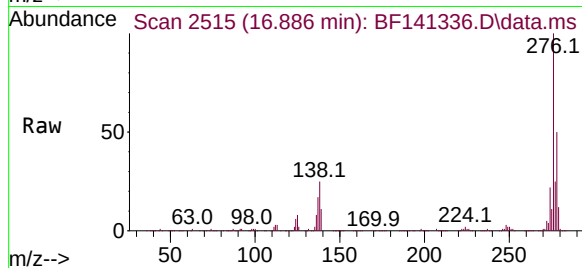
Tgt Ion:276 Resp: 709942

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 37.149 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

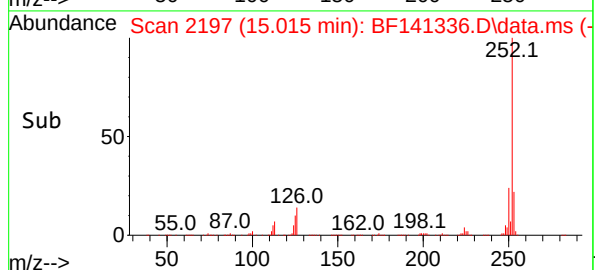
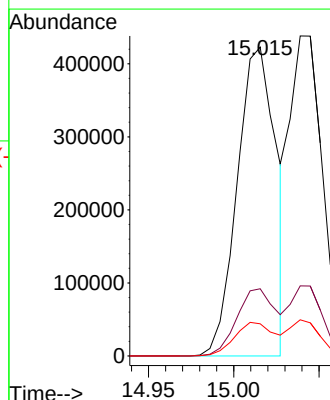
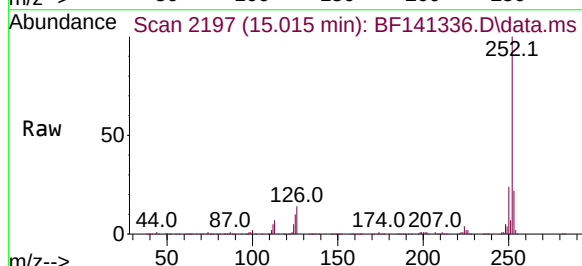
Tgt Ion:252 Resp: 669775

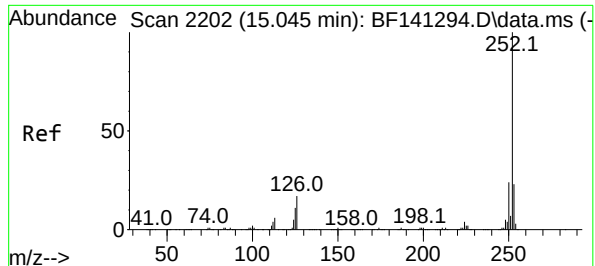
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.413 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

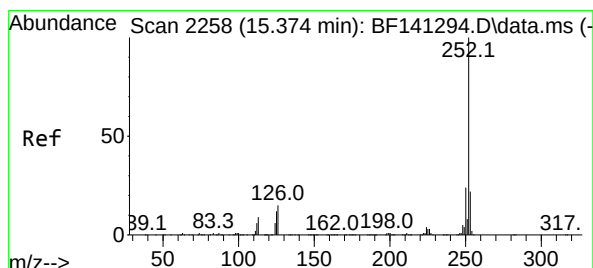
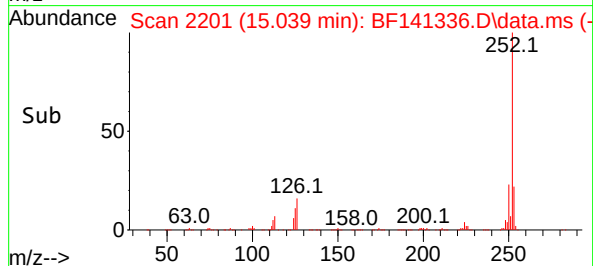
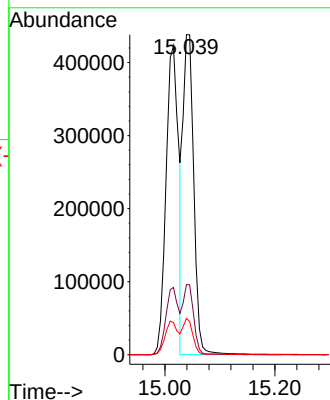
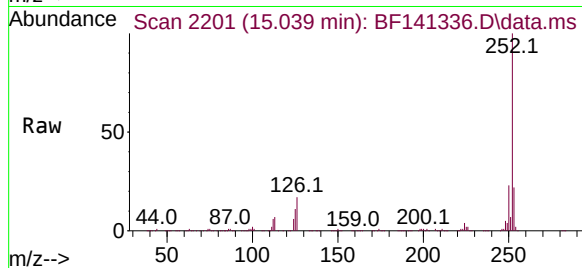
Tgt Ion:252 Resp: 597549

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 37.294 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

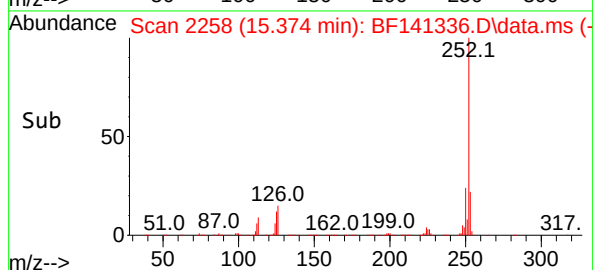
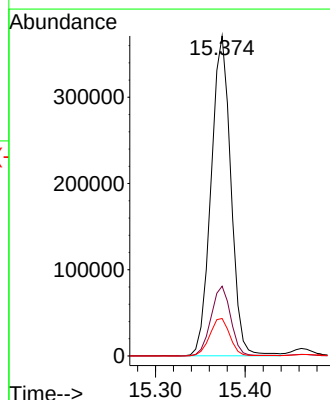
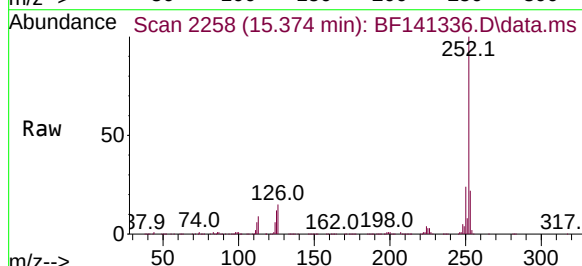
Tgt Ion:252 Resp: 568194

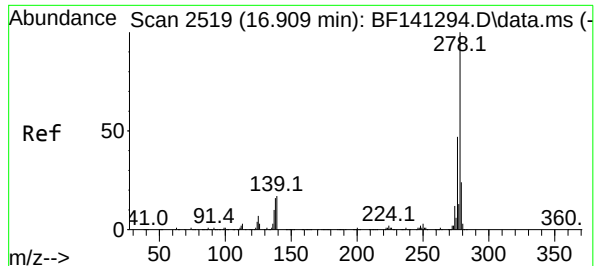
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 11.7 9.4 14.2

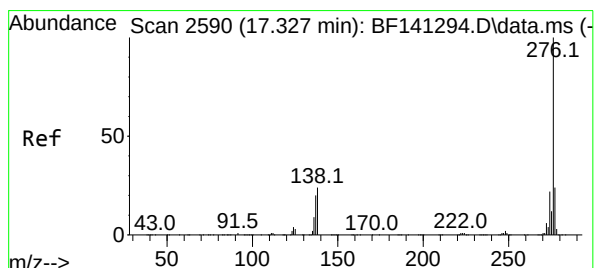
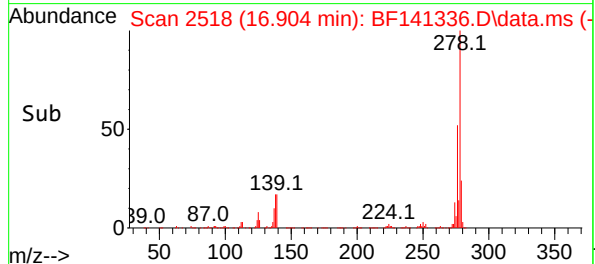
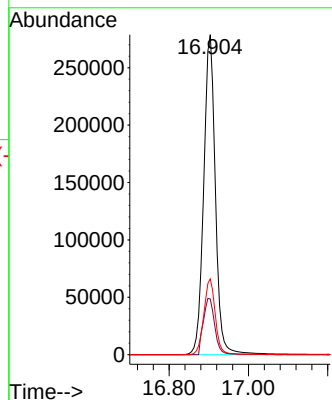
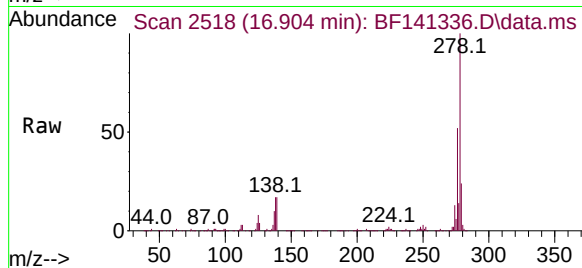




#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

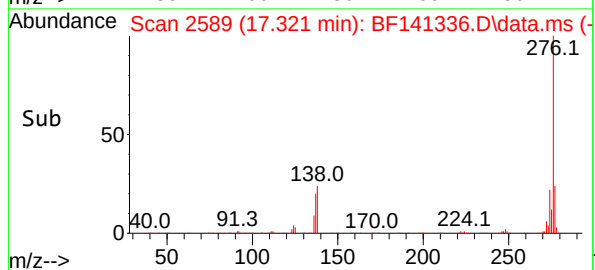
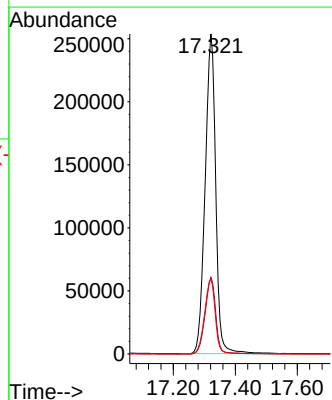
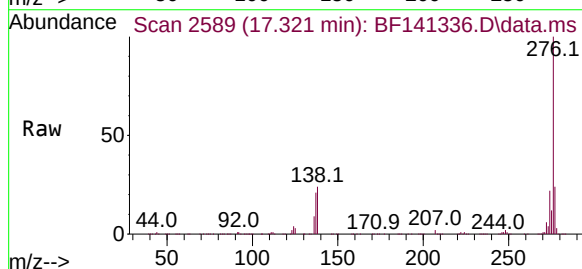
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387
Ion Ratio Lower Upper
278 100
139 17.4 13.9 20.9
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	103	0.00
2	1,4-Dioxane	0.573	0.545	4.9	104	0.00
3	Pyridine	1.380	1.326	3.9	103	-0.02
4	n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5 S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6	Aniline	1.403	1.344	4.2	101	-0.01
7 S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8	2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9	Benzaldehyde	0.960	0.972	-1.3	111	0.00
10 C	Phenol	1.757	1.652	6.0	103	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12	1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13 C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14	1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15	Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17	2-Methylphenol	1.135	1.062	6.4	105	0.00
18	Hexachloroethane	0.571	0.536	6.1	104	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20	3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.475	0.424	10.7	102	0.00
23 S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24	Nitrobenzene	0.393	0.365	7.1	103	-0.01
25	Isophorone	0.656	0.622	5.2	107	0.00
26 C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27	2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30	1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31	Naphthalene	1.057	0.966	8.6	104	0.00
32	Benzoic acid	0.217	0.226	-4.1	107	-0.04
33	4-Chloroaniline	0.358	0.329	8.1	102	0.00
34 C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35	Caprolactam	0.094	0.091	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37	2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38	1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42 S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44	2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45 S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46	1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47	2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.366	4.2	107	0.00
49	Acenaphthylene	1.702	1.577	7.3	105	0.00
50	Dimethylphthalate	1.351	1.290	4.5	110	0.00
51	2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52 C	Acenaphthene	1.216	1.127	7.3	106	0.00
53	3-Nitroaniline	0.307	0.292	4.9	102	0.00
54 P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55	Dibenzofuran	1.627	1.481	9.0	103	0.00
56 P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57	2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58	Fluorene	1.262	1.151	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60	Diethylphthalate	1.310	1.249	4.7	108	0.00
61	4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62	4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63	Azobenzene	1.311	1.231	6.1	107	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67	4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69	Atrazine	0.216	0.184	14.8	93	0.00
70 C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71	Phenanthrene	1.075	1.016	5.5	107	0.00
72	Anthracene	1.053	0.999	5.1	107	0.00
73	Carbazole	0.934	0.892	4.5	107	0.00
74	Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75 C	Fluoranthene	1.062	1.011	4.8	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77	Benzidine	0.641	0.620	3.3	92	0.00
78	Pyrene	1.920	1.949	-1.5	120	0.00
79 S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80	Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81	Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82	3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83	Chrysene	1.265	1.179	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85 c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88	Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89	Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90 C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91	Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92	Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	103	0.00
2	1,4-Dioxane	40.000	38.066	4.8	104	0.00
3	Pyridine	40.000	38.429	3.9	103	-0.02
4	n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5 S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6	Aniline	40.000	38.328	4.2	101	-0.01
7 S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8	2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9	Benzaldehyde	40.000	40.484	-1.2	111	0.00
10 C	Phenol	40.000	37.622	5.9	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12	1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13 C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14	1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15	Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17	2-Methylphenol	40.000	37.434	6.4	105	0.00
18	Hexachloroethane	40.000	37.585	6.0	104	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20	3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	35.678	10.8	102	0.00
23 S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24	Nitrobenzene	40.000	37.116	7.2	103	-0.01
25	Isophorone	40.000	37.934	5.2	107	0.00
26 C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27	2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29 C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31	Naphthalene	40.000	36.561	8.6	104	0.00
32	Benzoic acid	40.000	41.698	-4.2	107	-0.04
33	4-Chloroaniline	40.000	36.719	8.2	102	0.00
34 C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35	Caprolactam	40.000	38.705	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37	2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38	1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42 S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44	2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45 S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46	1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47	2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	38.330	4.2	107	0.00
49	Acenaphthylene	40.000	37.073	7.3	105	0.00
50	Dimethylphthalate	40.000	38.200	4.5	110	0.00
51	2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52 C	Acenaphthene	40.000	37.066	7.3	106	0.00
53	3-Nitroaniline	40.000	37.936	5.2	102	0.00
54 P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55	Dibenzofuran	40.000	36.395	9.0	103	0.00
56 P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57	2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58	Fluorene	40.000	36.485	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60	Diethylphthalate	40.000	38.140	4.6	108	0.00
61	4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62	4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63	Azobenzene	40.000	37.573	6.1	107	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68	Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69	Atrazine	40.000	33.985	15.0	93	0.00
70 C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71	Phenanthrene	40.000	37.819	5.5	107	0.00
72	Anthracene	40.000	37.948	5.1	107	0.00
73	Carbazole	40.000	38.220	4.5	107	0.00
74	Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75 C	Fluoranthene	40.000	38.098	4.8	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77	Benzydine	40.000	38.664	3.3	92	0.00
78	Pyrene	40.000	40.606	-1.5	120	0.00
79 S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80	Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81	Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82	3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83	Chrysene	40.000	37.287	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85 c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88	Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89	Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90 C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91	Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92	Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.326		-3.9	
2-Fluorophenol	1.303	1.313		0.8	
Phenol-d6	1.657	1.641		-1.0	
1,4-Dichlorobenzene	1.547	1.568		1.4	20.0
2-Methylphenol	1.135	1.098		-3.3	
3+4-Methylphenols	1.393	1.446		3.8	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
2,4-Dinitrotoluene	0.406	0.426		4.9	
2,4,6-Tribromophenol	0.183	0.200		9.3	
Hexachlorobenzene	0.238	0.249		4.6	
Pentachlorophenol	0.139	0.152		9.4	20.0
Terphenyl-d14	1.297	1.144		-11.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:47:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	93803	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	362783	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198566	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	334466	20.000	ng	0.00
76) Chrysene-d12	13.968	240	243574	20.000	ng	0.00
86) Perylene-d12	15.427	264	284769	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	492717	80.639	ng	0.00
7) Phenol-d6	6.439	99	615730	79.215	ng	0.00
23) Nitrobenzene-d5	7.363	82	576560	83.781	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	158958	87.321	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1044178	80.940	ng	0.00
79) Terphenyl-d14	12.910	244	1114591	70.570	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	118270	44.012	ng	99
3) Pyridine	3.210	79	248823	38.431	ng	97
4) n-Nitrosodimethylamine	3.163	42	157786	42.660	ng	92
6) Aniline	6.457	93	244181	37.112	ng	# 10
8) 2-Chlorophenol	6.587	128	266456	40.687	ng	98
9) Benzaldehyde	6.345	77	185452	41.190	ng	99
10) Phenol	6.451	94	323771	39.294	ng	# 73
11) bis(2-Chloroethyl)ether	6.534	93	244237	38.659	ng	99
12) 1,3-Dichlorobenzene	6.739	146	294934	40.844	ng	99
13) 1,4-Dichlorobenzene	6.816	146	294184	40.554	ng	99
14) 1,2-Dichlorobenzene	6.969	146	276119	40.649	ng	99
15) Benzyl Alcohol	6.939	79	227583	42.844	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	412661	37.563	ng	68
17) 2-Methylphenol	7.063	107	205926	38.689	ng	# 90
18) Hexachloroethane	7.310	117	110745	41.383	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	182630	39.542	ng	99
20) 3+4-Methylphenols	7.216	107	271346	41.520	ng	# 84
22) Acetophenone	7.204	105	363495	42.153	ng	# 96
24) Nitrobenzene	7.381	77	295113	41.381	ng	99
25) Isophorone	7.616	82	473753	39.825	ng	99
26) 2-Nitrophenol	7.698	139	139470	41.467	ng	99
27) 2,4-Dimethylphenol	7.739	122	169654m	39.629	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	300026	39.540	ng	99
29) 2,4-Dichlorophenol	7.945	162	215476	41.114	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	243325	40.654	ng	99
31) Naphthalene	8.104	128	782884	40.850	ng	100
32) Benzoic acid	7.857	122	164754	41.864	ng	98
33) 4-Chloroaniline	8.151	127	252352	38.830	ng	99
34) Hexachlorobutadiene	8.216	225	150331	42.830	ng	99
35) Caprolactam	8.516	113	68685	40.128	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	235016	41.805	ng	96
37) 2-Methylnaphthalene	8.792	142	500491	41.088	ng	100
38) 1-Methylnaphthalene	8.892	142	487831	40.770	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	227300	40.237	ng	99
41) Hexachlorocyclopentadiene	8.945	237	73377	43.983	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	152514	41.248	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:47:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	165119	41.031	ng	98
46) 1,1'-Biphenyl	9.257	154	614766	39.699	ng	98
47) 2-Chloronaphthalene	9.280	162	479677	39.740	ng	100
48) 2-Nitroaniline	9.380	65	155868	41.055	ng	98
49) Acenaphthylene	9.698	152	674542	39.923	ng	100
50) Dimethylphthalate	9.557	163	543455	40.523	ng	100
51) 2,6-Dinitrotoluene	9.622	165	125020	40.149	ng	98
52) Acenaphthene	9.869	154	491940	40.755	ng	99
53) 3-Nitroaniline	9.792	138	127750	41.859	ng	98
54) 2,4-Dinitrophenol	9.898	184	64595	44.625	ng	93
55) Dibenzofuran	10.039	168	655150	40.548	ng	98
56) 4-Nitrophenol	9.975	139	101492	45.471	ng	96
57) 2,4-Dinitrotoluene	10.022	165	169109	41.946	ng	97
58) Fluorene	10.380	166	520788	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	135793	42.892	ng	99
60) Diethylphthalate	10.257	149	533471	41.025	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	252040	41.170	ng	98
62) 4-Nitroaniline	10.404	138	131617	43.865	ng	96
63) Azobenzene	10.533	77	521272	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	92723	46.869	ng	99
66) n-Nitrosodiphenylamine	10.498	169	440088	40.682	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	156199	41.715	ng	97
68) Hexachlorobenzene	10.933	284	166289	41.866	ng	97
69) Atrazine	11.022	200	144588	39.975	ng	98
70) Pentachlorophenol	11.127	266	101747	43.745	ng	98
71) Phenanthrene	11.345	178	756115	42.056	ng	100
72) Anthracene	11.398	178	747273	42.420	ng	100
73) Carbazole	11.551	167	690858	44.227	ng	99
74) Di-n-butylphthalate	11.886	149	815911	43.100	ng	100
75) Fluoranthene	12.533	202	809964	45.626	ng	99
77) Benzidine	12.657	184	305172	39.082	ng	99
78) Pyrene	12.763	202	817992	34.986	ng	100
80) Butylbenzylphthalate	13.386	149	312910	38.308	ng	99
81) Benzo(a)anthracene	13.957	228	644165	38.325	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	212156	39.687	ng	99
83) Chrysene	13.992	228	601529	39.050	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436692	42.145	ng	98
85) Di-n-octyl phthalate	14.574	149	716424	44.516	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	796465	43.334	ng	100
88) Benzo(b)fluoranthene	15.009	252	791291	44.175	ng	100
89) Benzo(k)fluoranthene	15.039	252	586341	36.950	ng	100
90) Benzo(a)pyrene	15.368	252	628247	41.504	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	640257	43.298	ng	100
92) Benzo(g,h,i)perylene	17.315	276	672962	43.768	ng	100

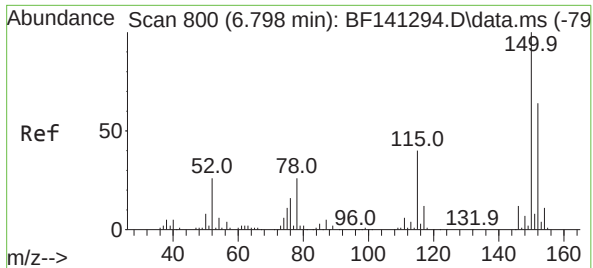
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





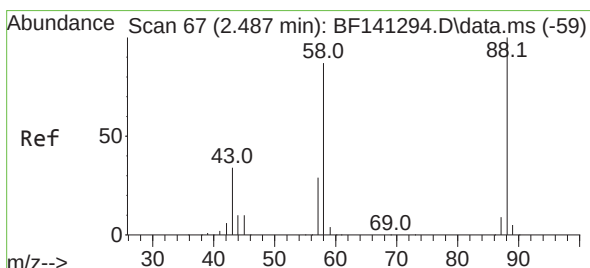
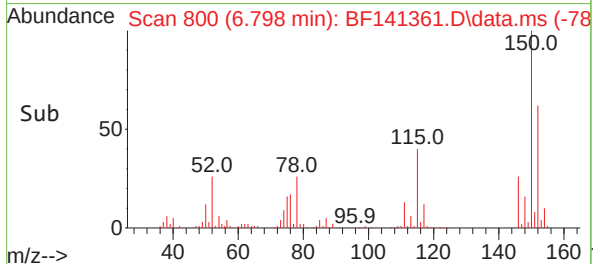
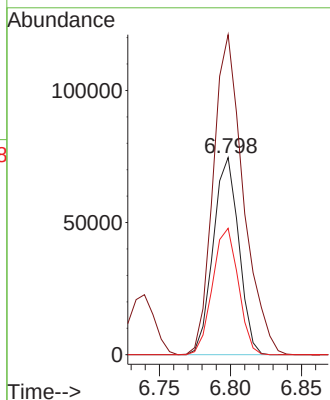
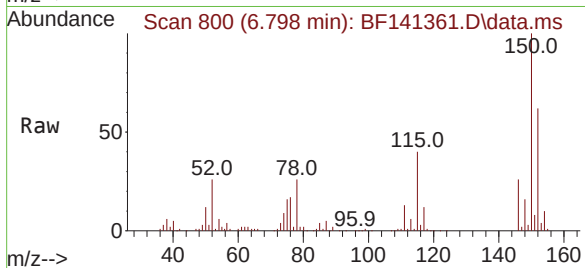
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 93800
Ion Ratio Lower Upper
152 100
150 162.4 125.9 188.9
115 64.2 49.7 74.5

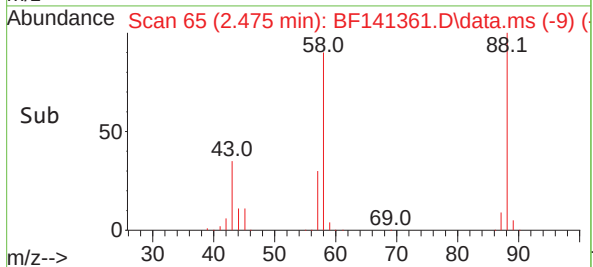
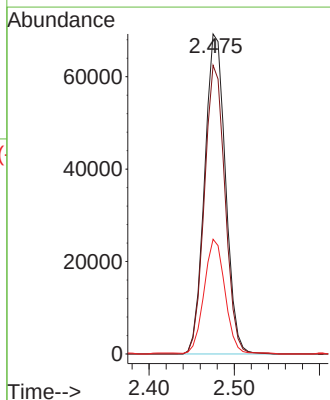
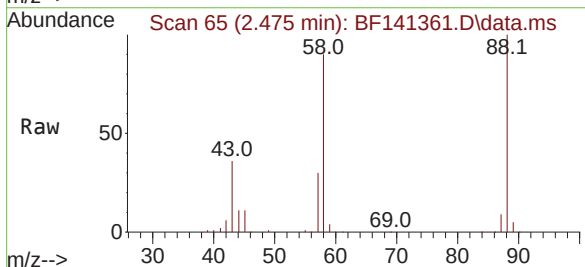
Manual Integrations
APPROVED

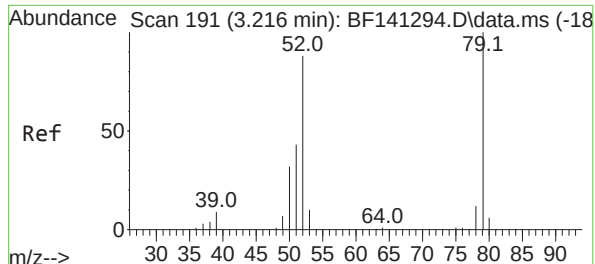
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 44.012 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

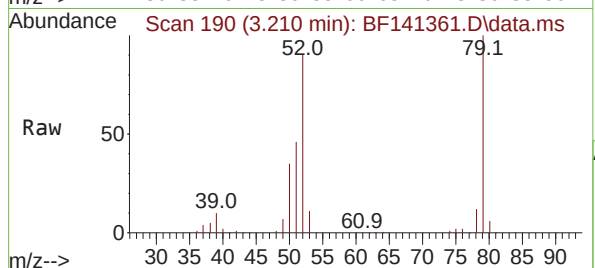
Tgt Ion: 88 Resp: 118270
Ion Ratio Lower Upper
88 100
58 88.7 70.2 105.4
43 36.1 27.6 41.4





#3
Pyridine
Concen: 38.431 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

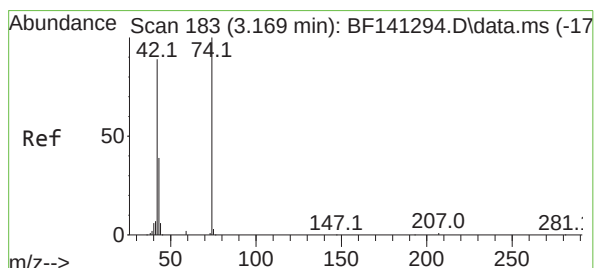
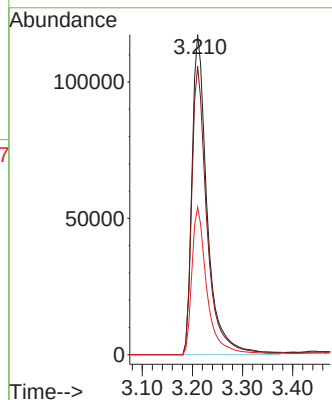
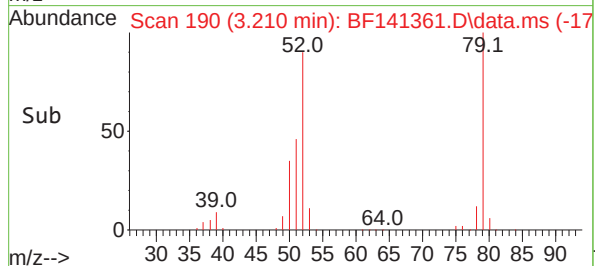
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



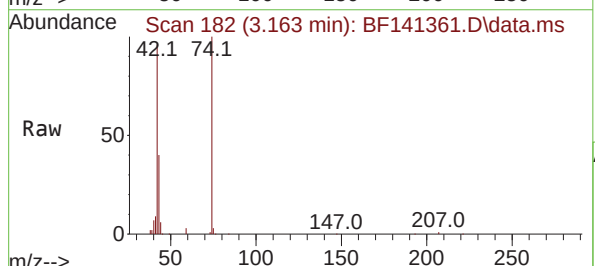
Tgt Ion: 79 Resp: 24882
Ion Ratio Lower Upper
79 100
52 90.1 70.3 105.5
51 46.1 34.3 51.5

Manual Integrations
APPROVED

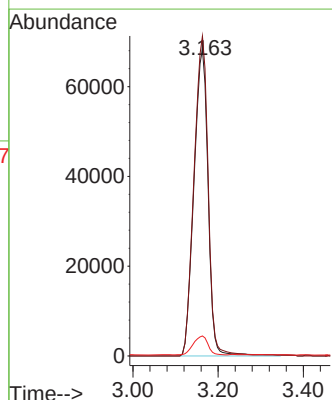
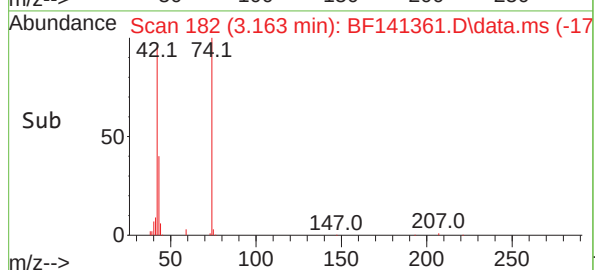
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

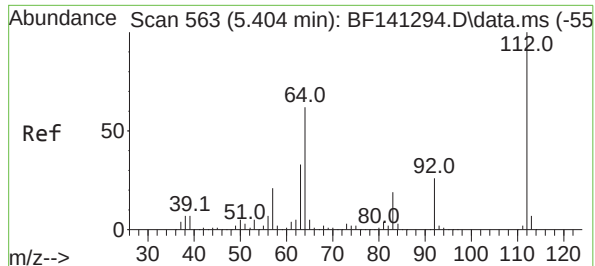


#4
n-Nitrosodimethylamine
Concen: 42.660 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.036 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion: 42 Resp: 157786
Ion Ratio Lower Upper
42 100
74 104.4 90.3 135.5
44 6.5 5.7 8.5





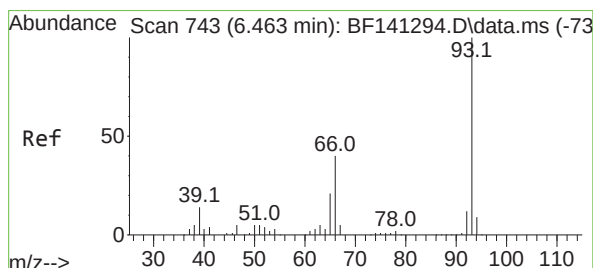
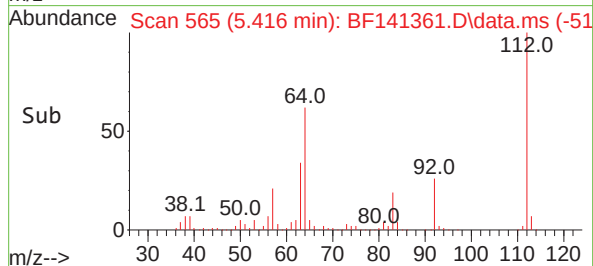
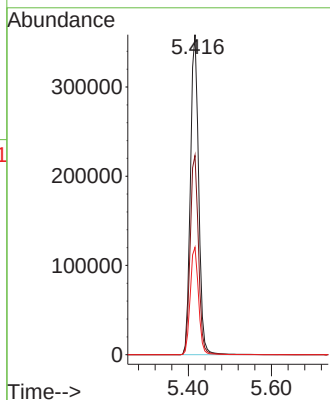
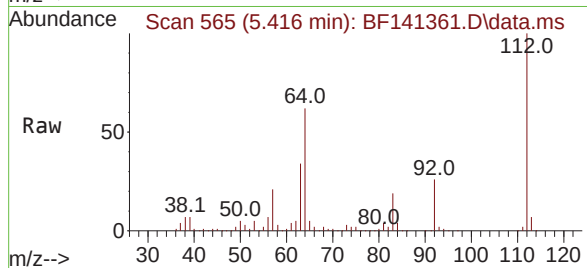
#5
2-Fluorophenol
Concen: 80.639 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 49271
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.5 26.1 39.1

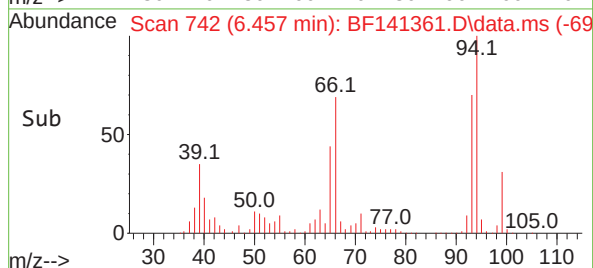
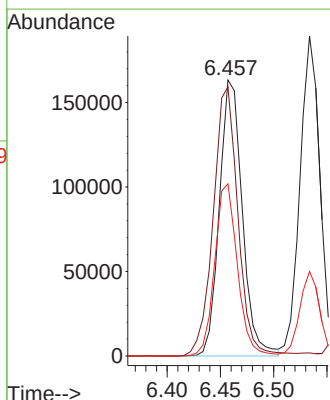
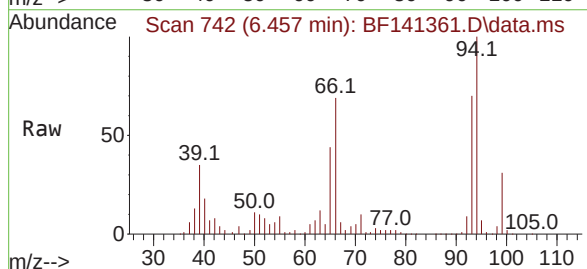
Manual Integrations
APPROVED

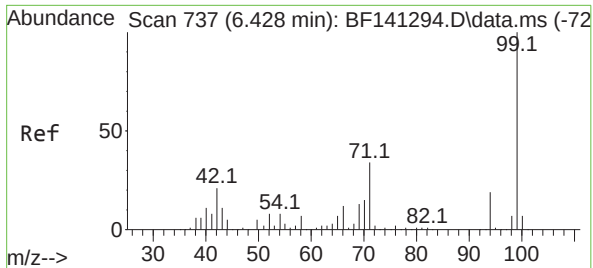
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.112 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 244181
Ion Ratio Lower Upper
93 100
66 97.6 32.5 48.7#
65 62.4 17.0 25.6#





#7

Phenol-d6

Concen: 79.215 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 615730

Ion Ratio Lower Upper

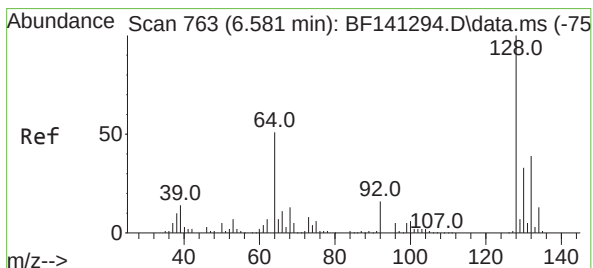
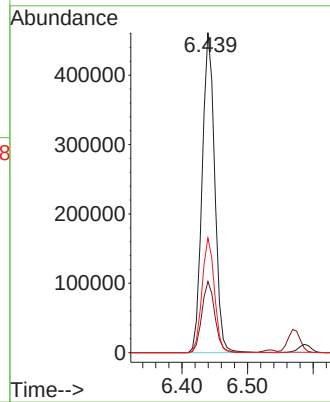
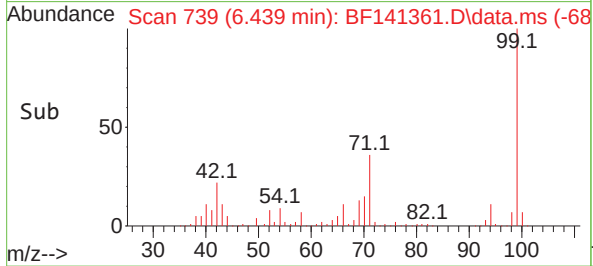
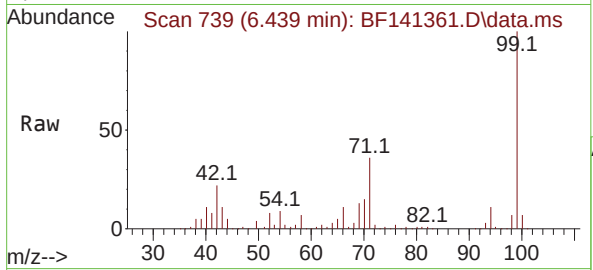
99 100

42 22.3 17.1 25.7

71 35.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#8

2-Chlorophenol

Concen: 40.687 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

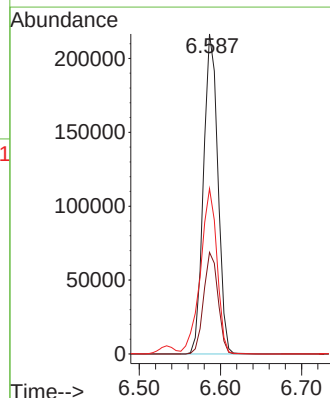
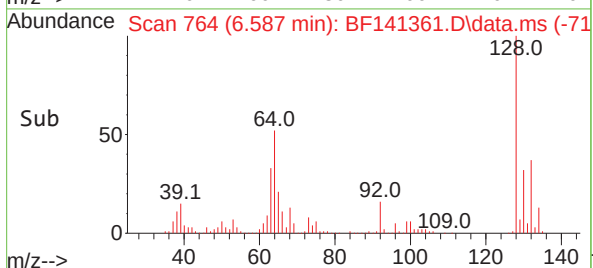
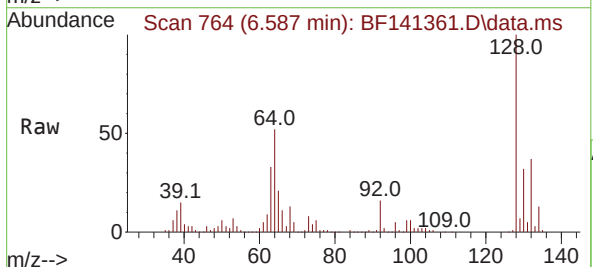
Tgt Ion:128 Resp: 266456

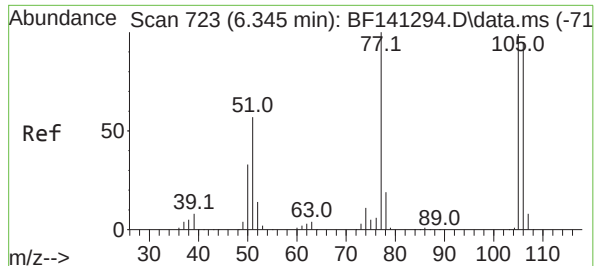
Ion Ratio Lower Upper

128 100

130 31.8 12.5 52.5

64 51.7 32.9 72.9





#9

Benzaldehyde

Concen: 41.190 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 18545

Ion Ratio Lower Upper

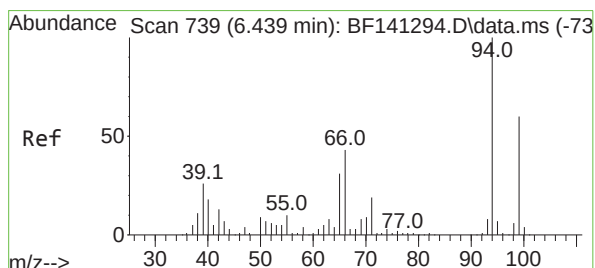
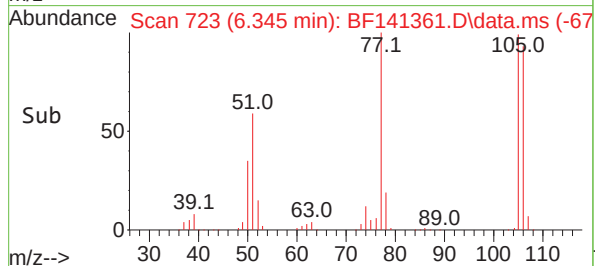
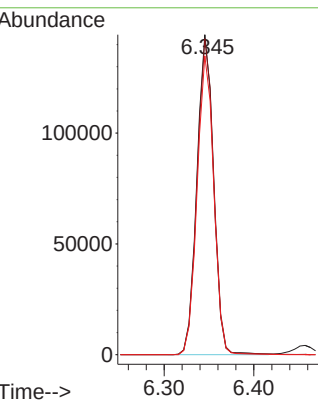
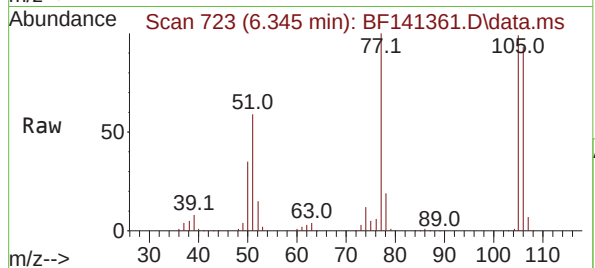
77 100

105 98.8 79.4 119.4

106 93.4 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#10

Phenol

Concen: 39.294 ng

RT: 6.451 min Scan# 741

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

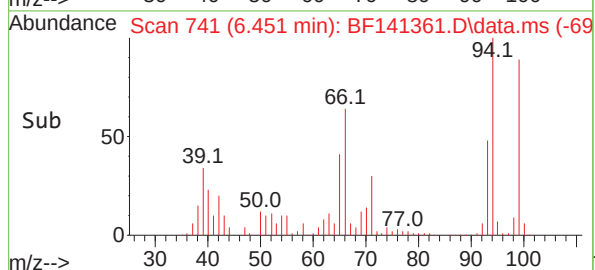
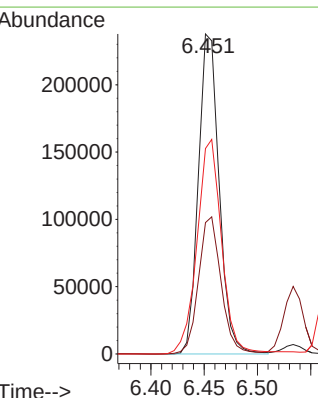
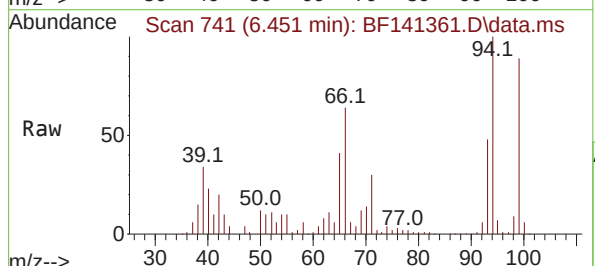
Tgt Ion: 94 Resp: 323771

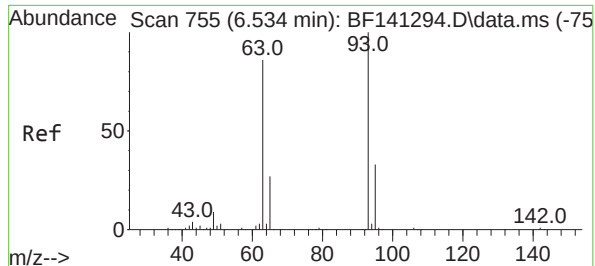
Ion Ratio Lower Upper

94 100

65 41.1 10.8 50.8

66 64.2 23.3 63.3#





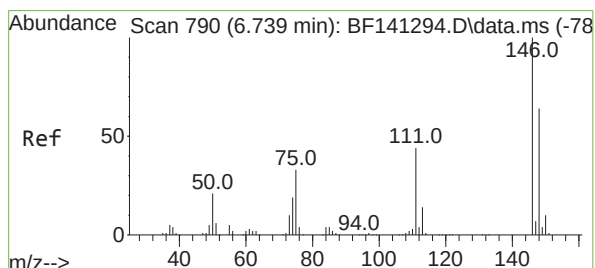
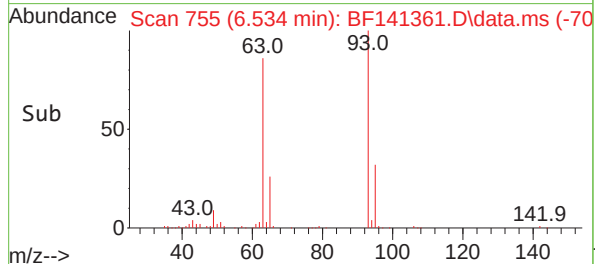
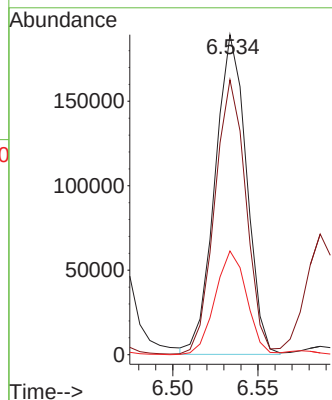
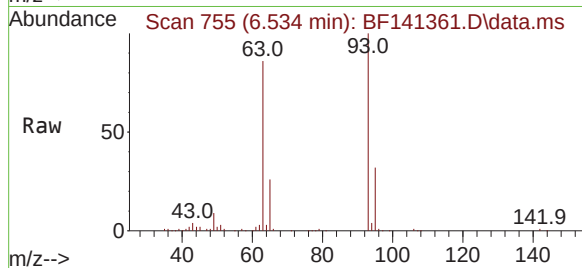
#11
bis(2-Chloroethyl)ether
Concen: 38.659 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 24423
Ion Ratio Lower Upper
93 100
63 85.9 65.0 105.0
95 32.4 12.4 52.4

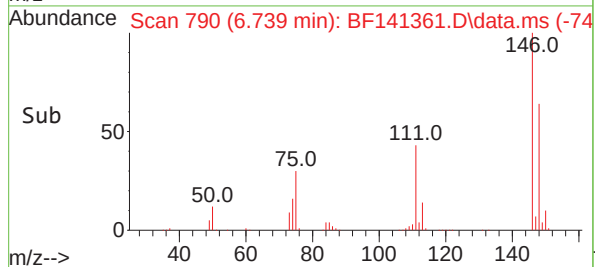
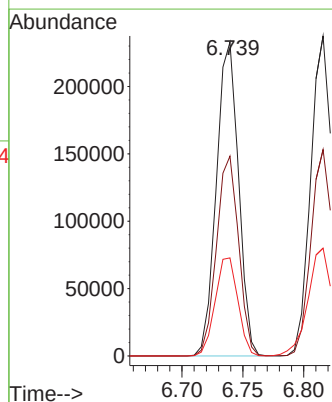
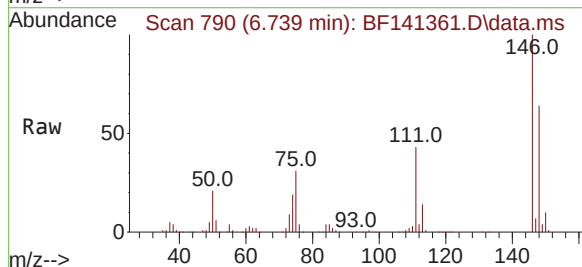
Manual Integrations
APPROVED

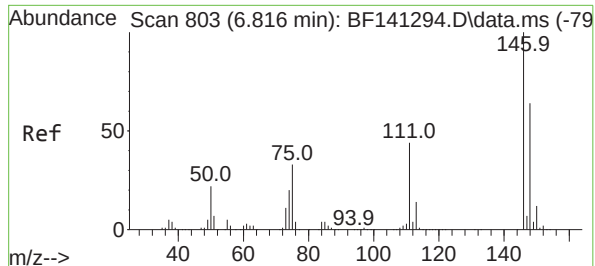
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 40.844 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:146 Resp: 294934
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 31.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.554 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 294184

Ion Ratio Lower Upper

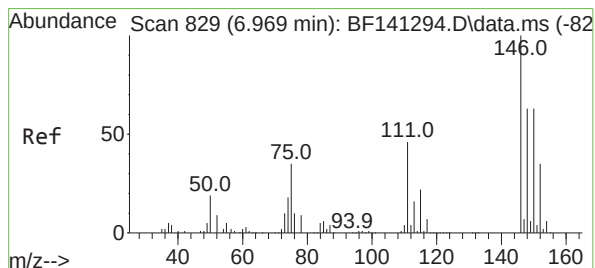
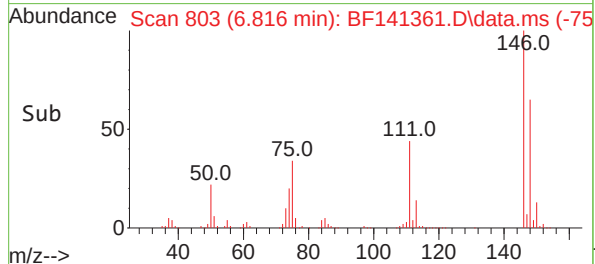
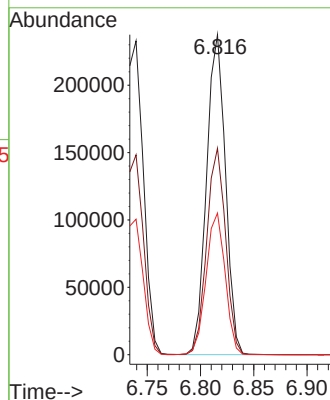
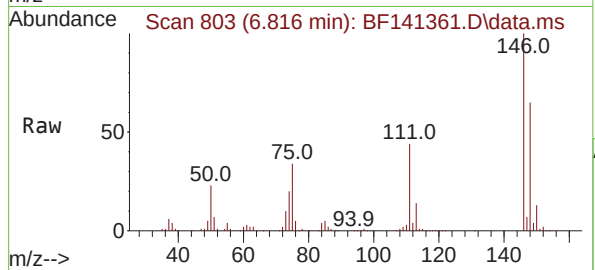
146 100

148 64.5 51.2 76.8

111 44.2 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#14

1,2-Dichlorobenzene

Concen: 40.649 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

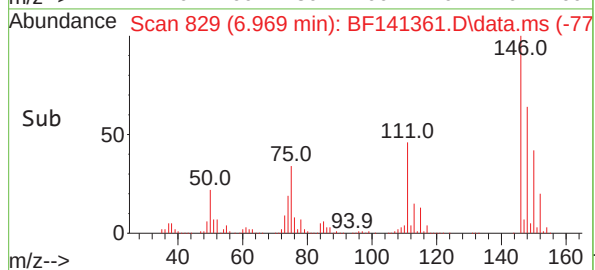
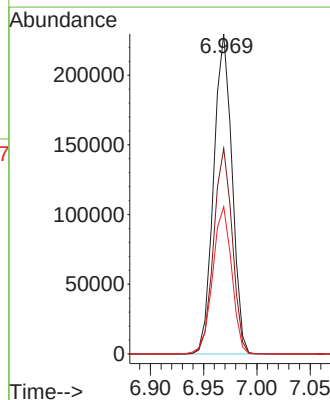
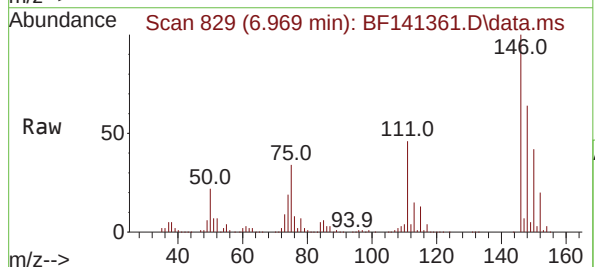
Tgt Ion:146 Resp: 276119

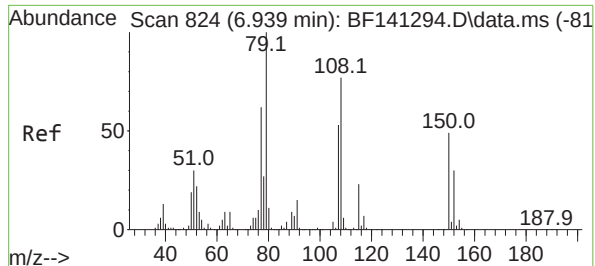
Ion Ratio Lower Upper

146 100

148 64.2 50.5 75.7

111 46.0 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.844 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 22758

Ion Ratio Lower Upper

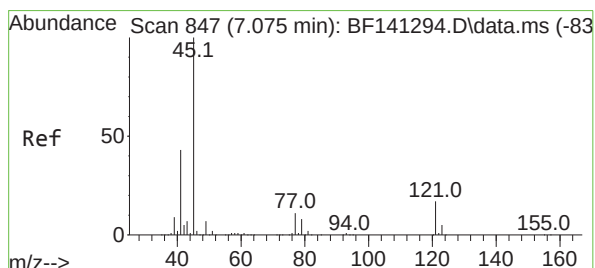
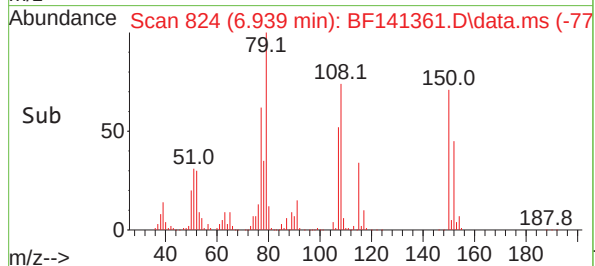
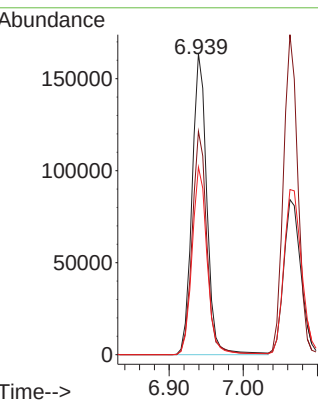
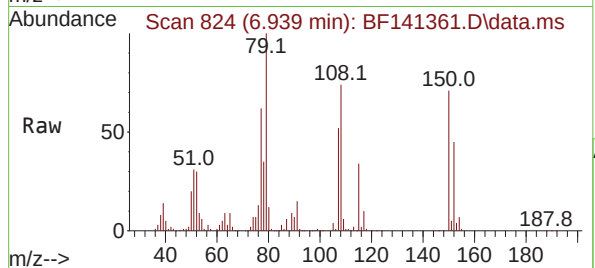
79 100

108 74.2 61.4 92.0

77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.563 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

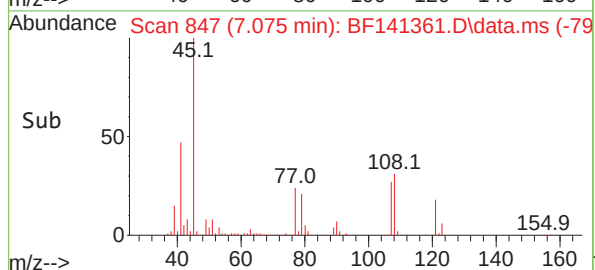
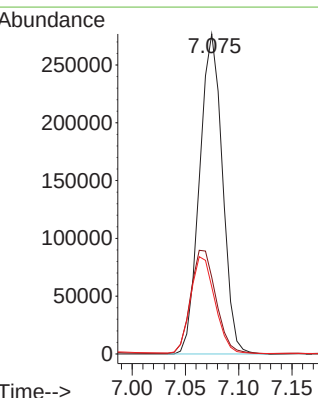
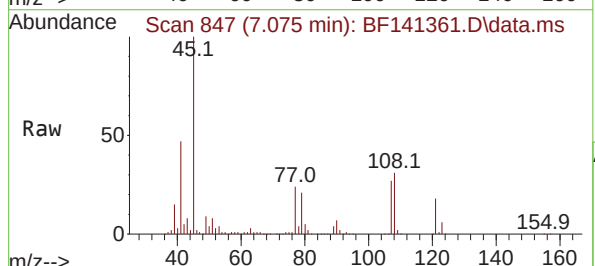
Tgt Ion: 45 Resp: 412661

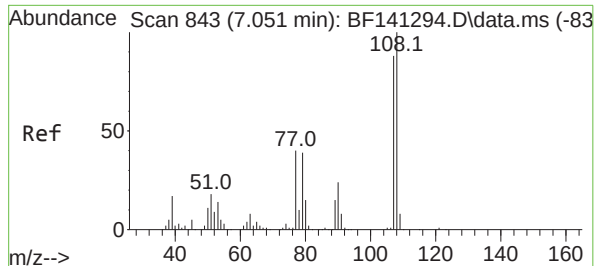
Ion Ratio Lower Upper

45 100

77 24.0 0.0 31.8

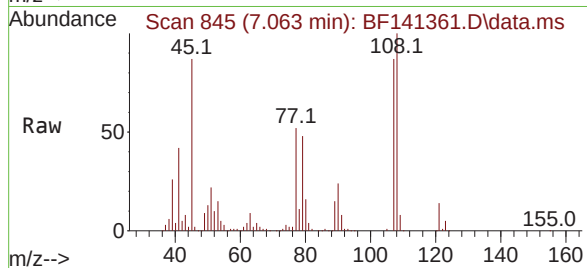
79 21.0 0.0 29.1





#17
2-Methylphenol
Concen: 38.689 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

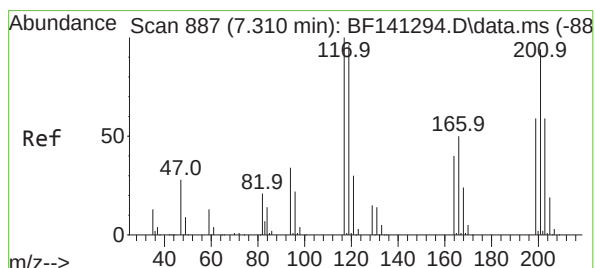
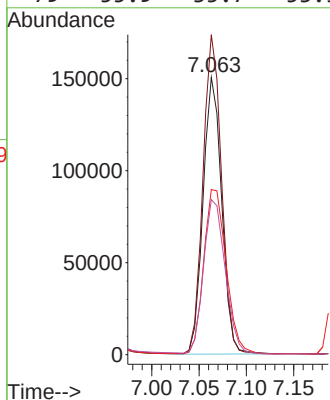
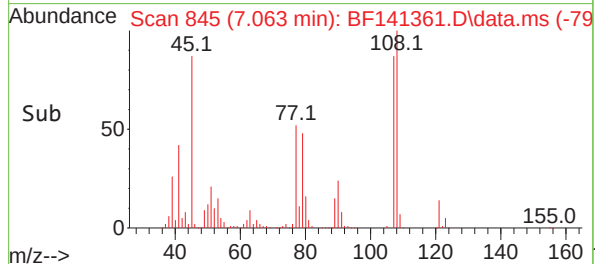
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 205920
Ion Ratio Lower Upper
107 100
108 115.4 90.8 136.2
77 59.5 36.2 54.4
79 55.9 35.7 53.5#

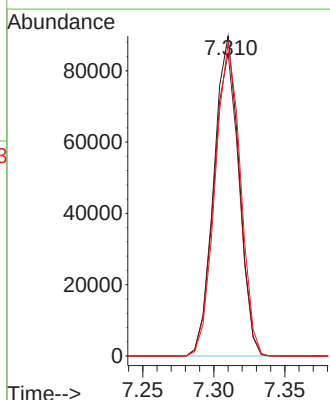
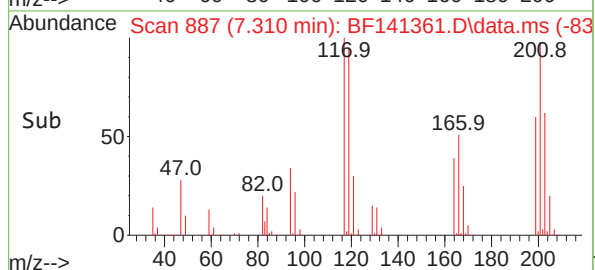
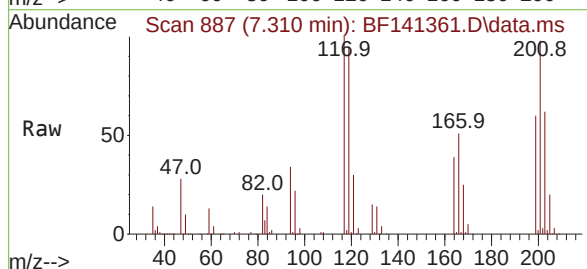
Manual Integrations
APPROVED

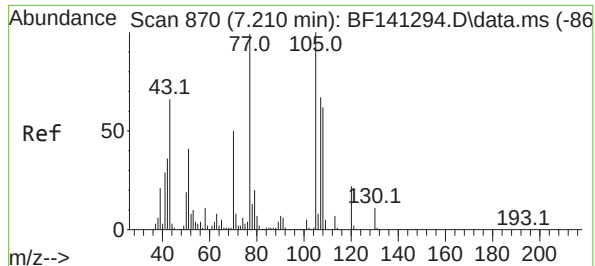
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 41.383 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:117 Resp: 110745
Ion Ratio Lower Upper
117 100
119 94.7 76.6 114.8
201 98.0 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.542 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 182630

Ion Ratio Lower Upper

70 100

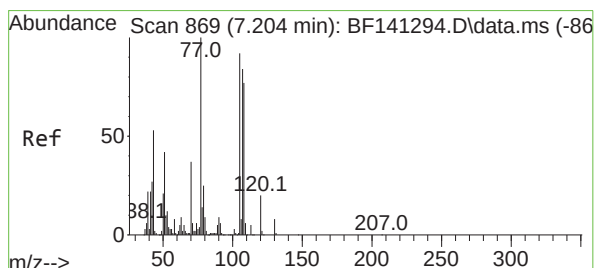
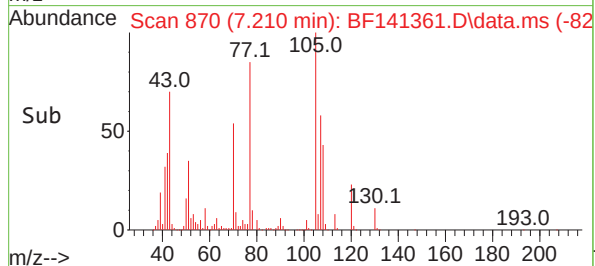
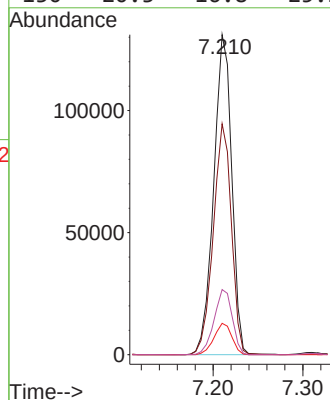
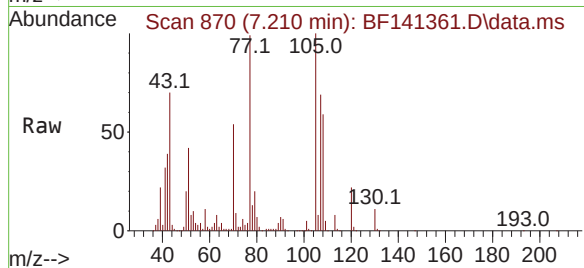
42 72.2 56.8 85.2

101 9.8 7.7 11.5

130 20.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#20

3+4-Methylphenols

Concen: 41.520 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 271346

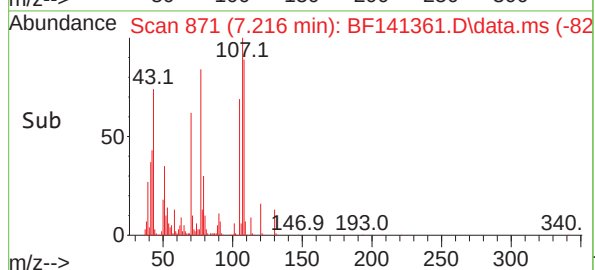
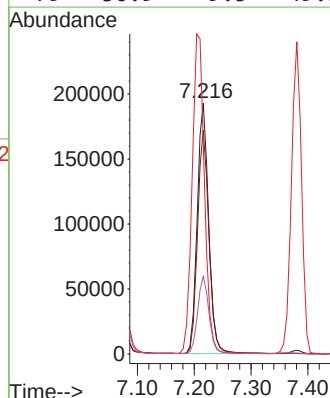
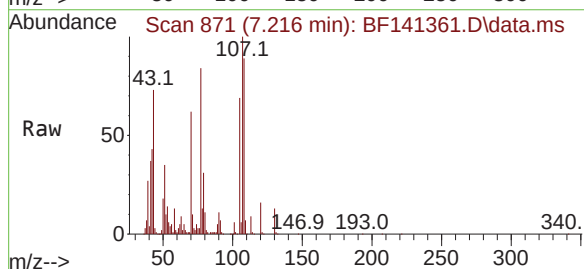
Ion Ratio Lower Upper

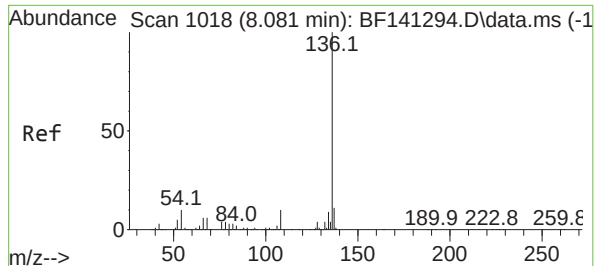
107 100

108 89.2 70.9 110.9

77 84.4 98.5 138.5#

79 30.9 9.5 49.5





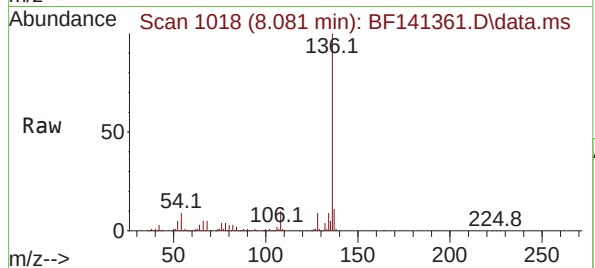
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

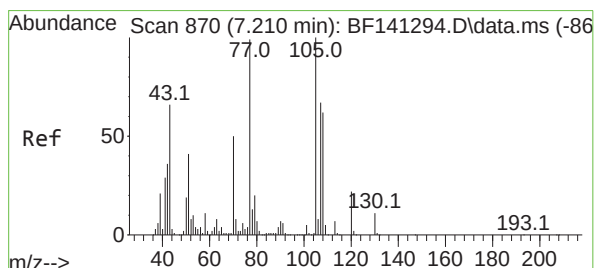
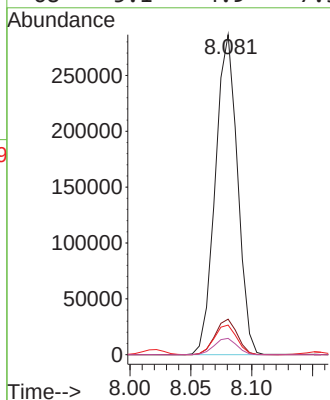
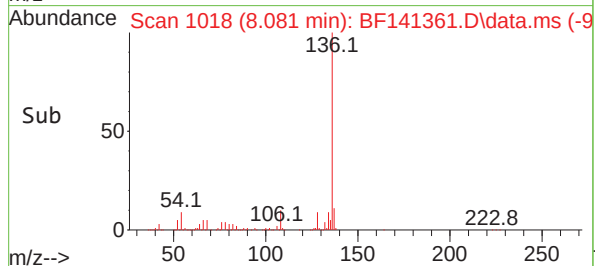


Tgt Ion:136 Resp: 36278
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.8 11.8
68 5.1 4.9 7.3

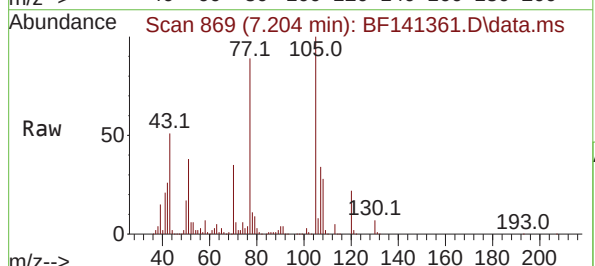
Manual Integrations

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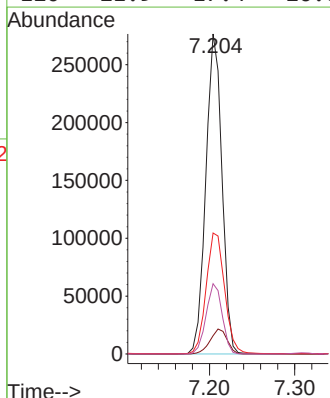
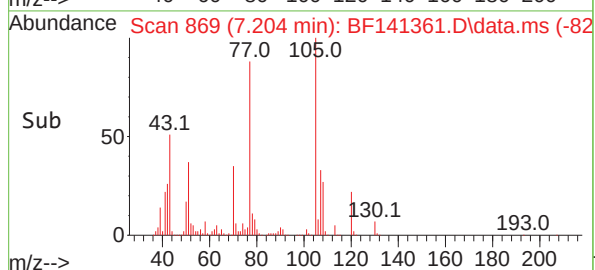
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

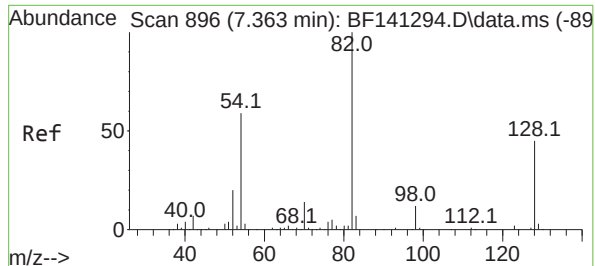


#22
Acetophenone
Concen: 42.153 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:105 Resp: 363495
Ion Ratio Lower Upper
105 100
71 5.7 6.8 10.2#
51 37.8 32.6 49.0
120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.781 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 576560

Ion Ratio Lower Upper

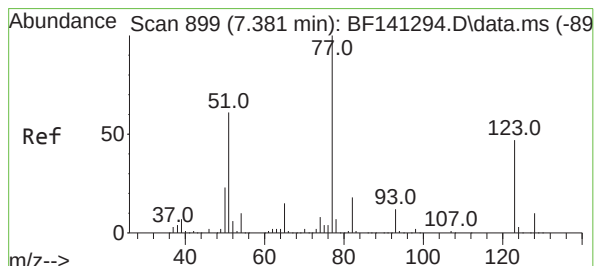
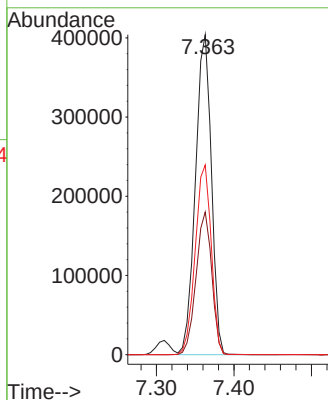
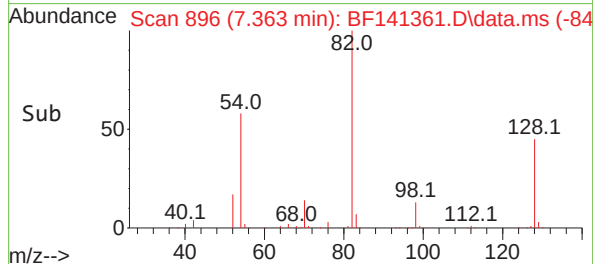
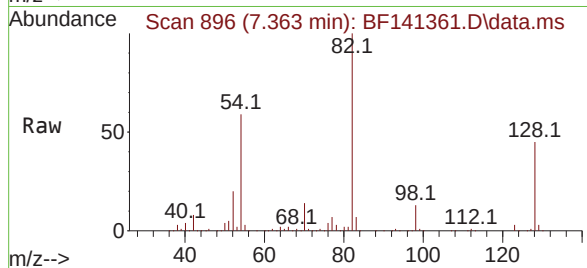
82 100

128 44.6 35.7 53.5

54 59.3 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#24

Nitrobenzene

Concen: 41.381 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

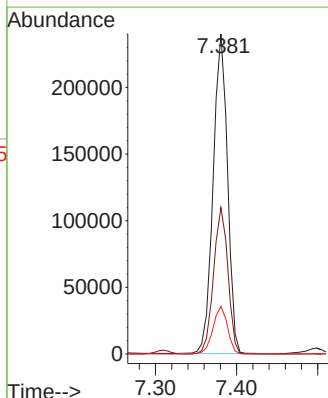
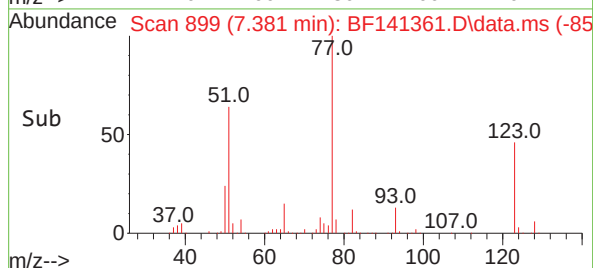
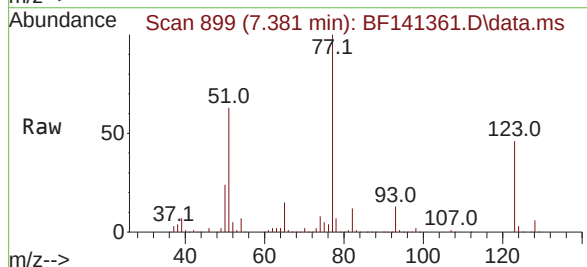
Tgt Ion: 77 Resp: 295113

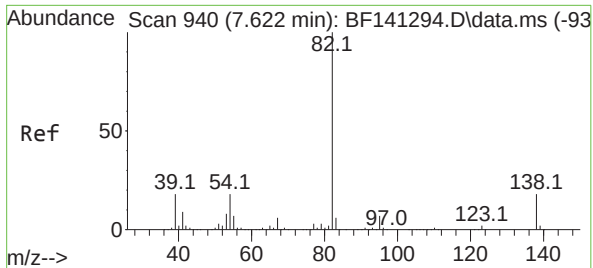
Ion Ratio Lower Upper

77 100

123 45.8 37.3 55.9

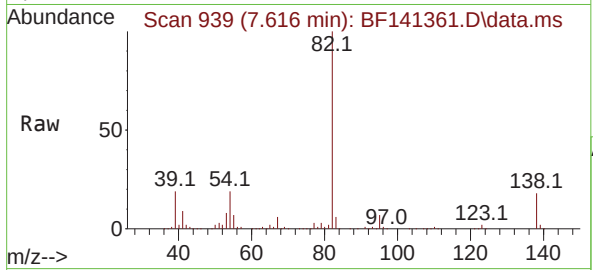
65 14.9 11.8 17.6





#25
Isophorone
Concen: 39.825 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

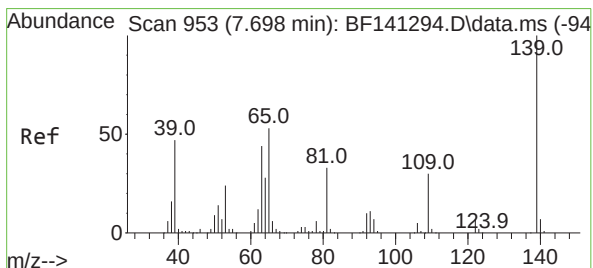
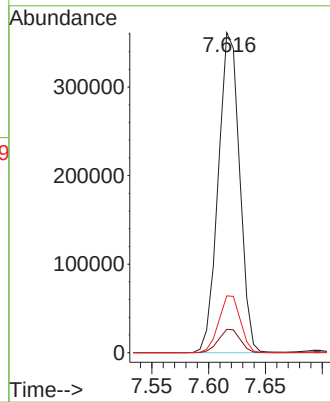
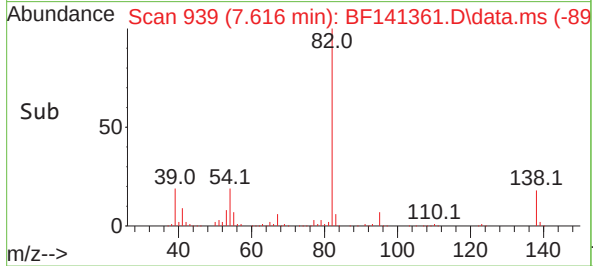
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 47375
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.7 14.7 22.1

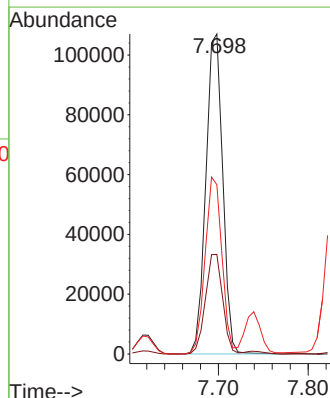
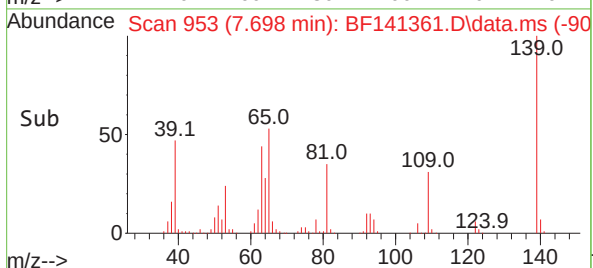
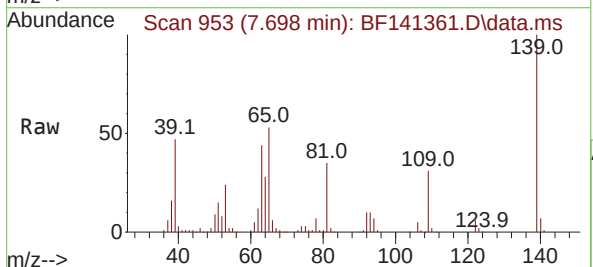
Manual Integrations
APPROVED

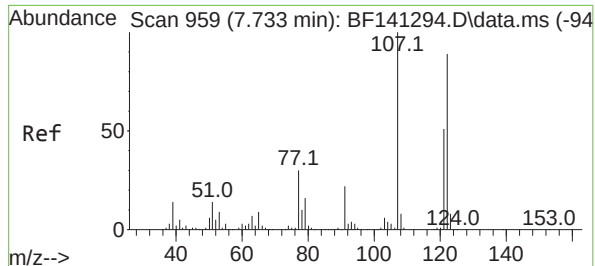
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 41.467 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:139 Resp: 139470
Ion Ratio Lower Upper
139 100
109 31.1 23.8 35.6
65 52.9 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 39.629 ng m

RT: 7.739 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF141361.D

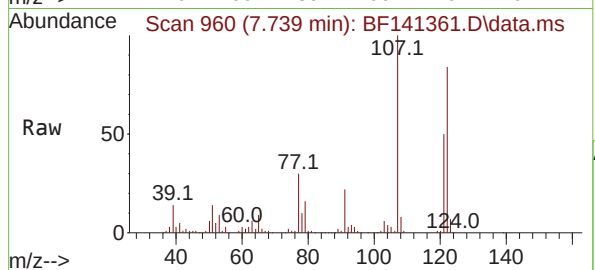
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 169654

Ion Ratio Lower Upper

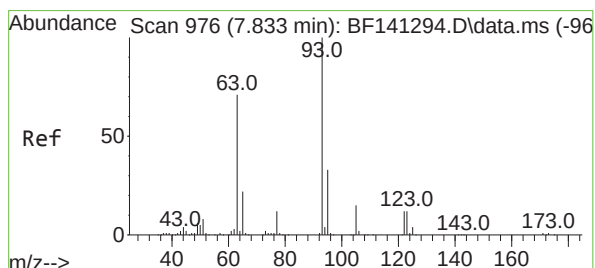
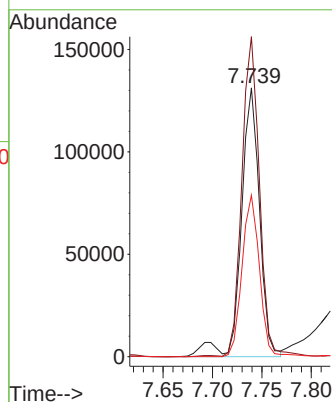
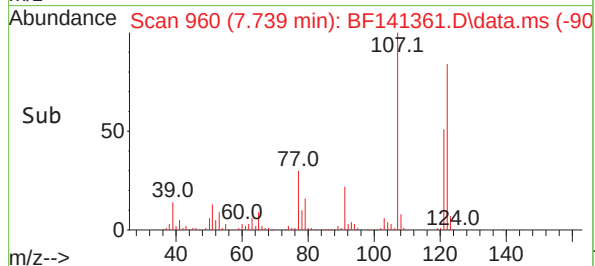
122 100

107 119.1 89.9 134.9

121 60.1 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#28

bis(2-Chloroethoxy)methane

Concen: 39.540 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

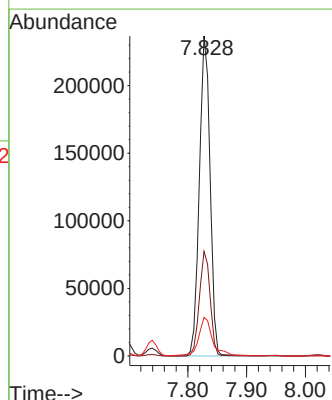
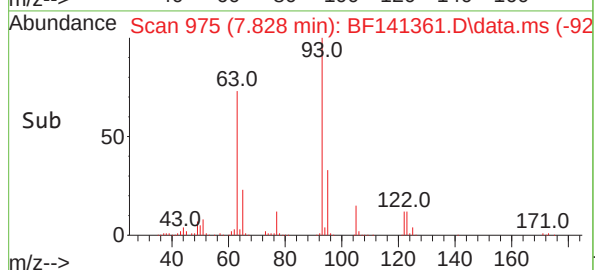
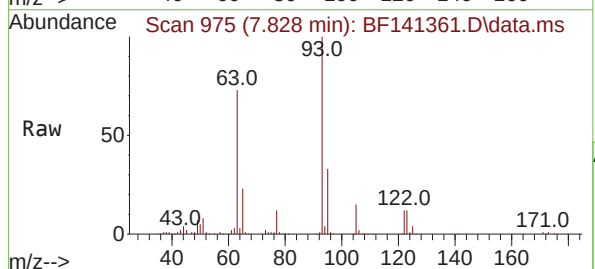
Tgt Ion: 93 Resp: 300026

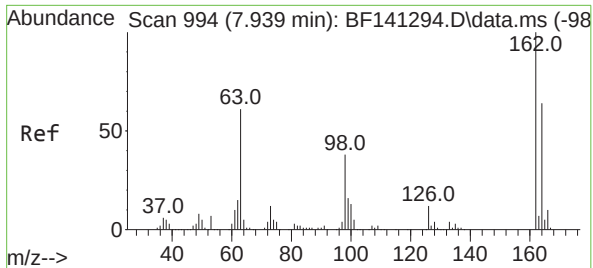
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.114 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 215470

Ion Ratio Lower Upper

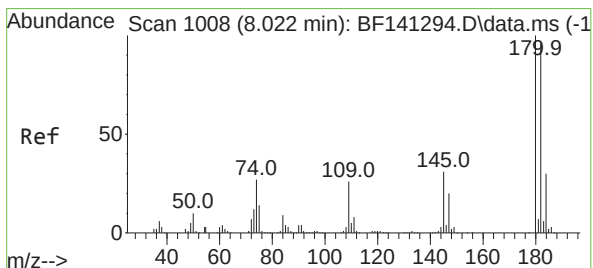
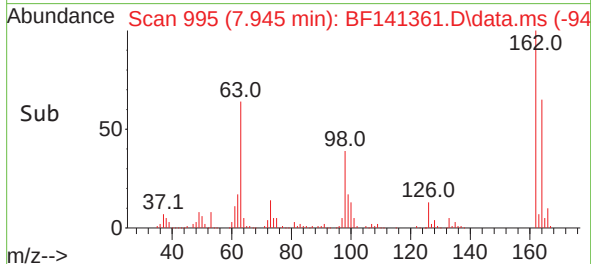
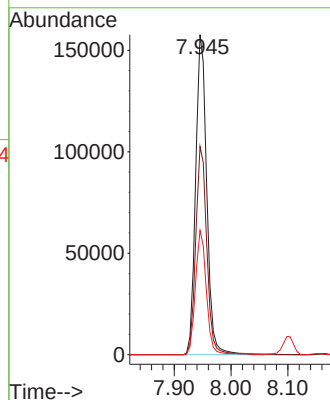
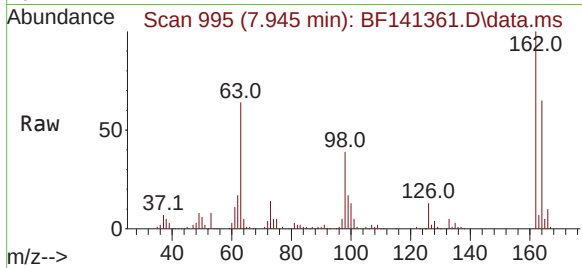
162 100

164 65.1 44.2 84.2

98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#30

1,2,4-Trichlorobenzene

Concen: 40.654 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

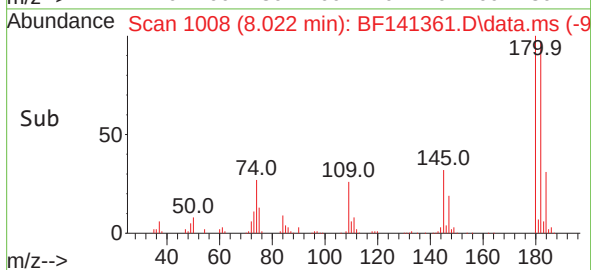
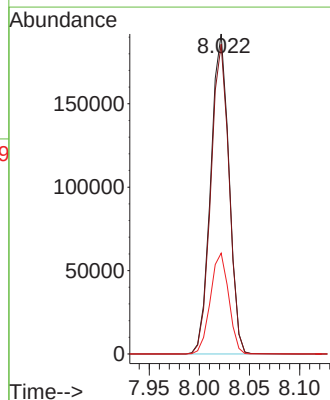
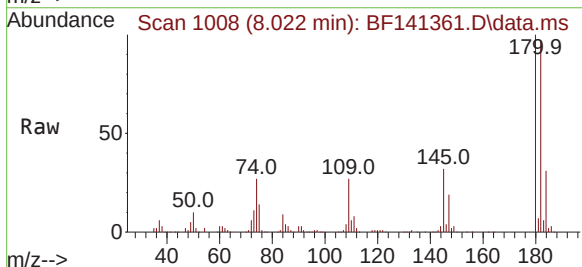
Tgt Ion:180 Resp: 243325

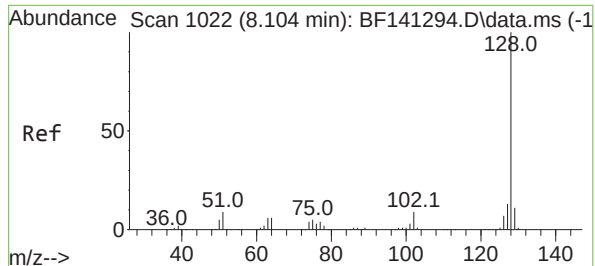
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

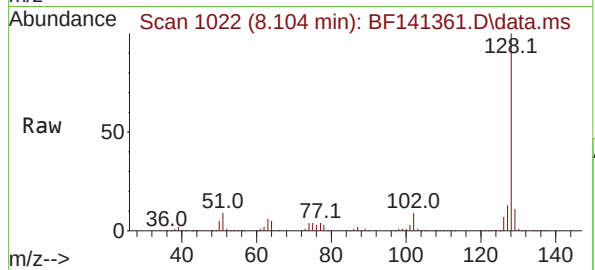
145 31.5 24.9 37.3





#31
Naphthalene
Concen: 40.850 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

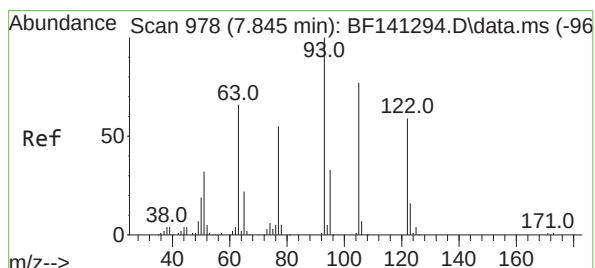
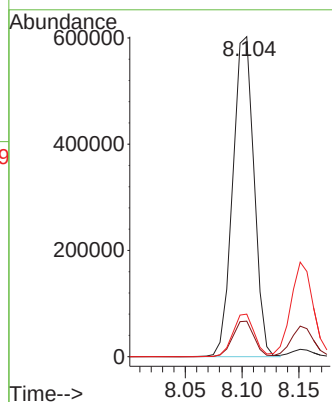
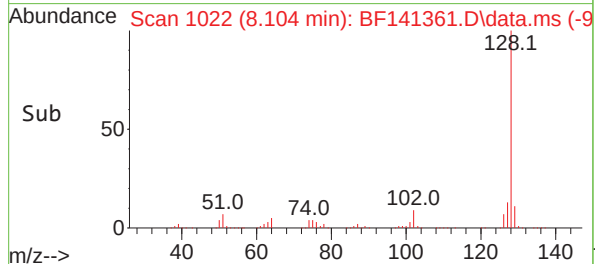
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 782884
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 15.8

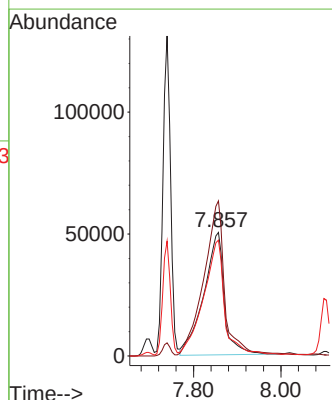
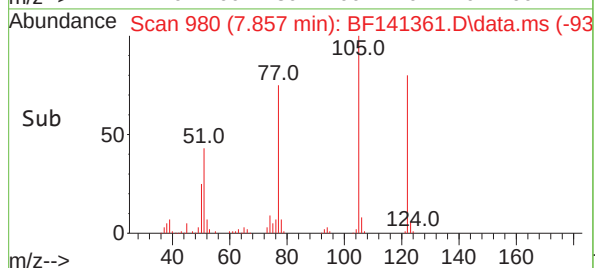
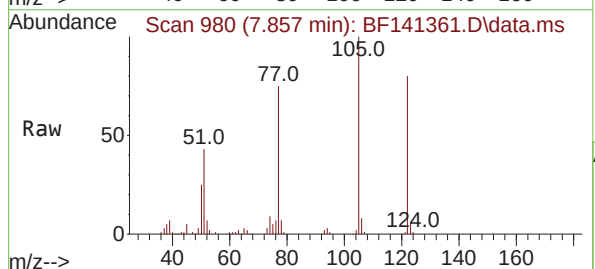
Manual Integrations
APPROVED

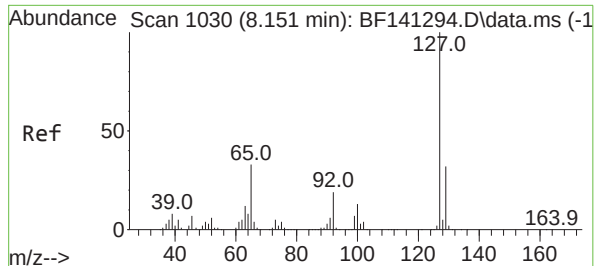
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 41.864 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:122 Resp: 164754
Ion Ratio Lower Upper
122 100
105 125.5 103.4 143.4
77 93.8 70.9 110.9





#33
4-Chloroaniline
Concen: 38.830 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

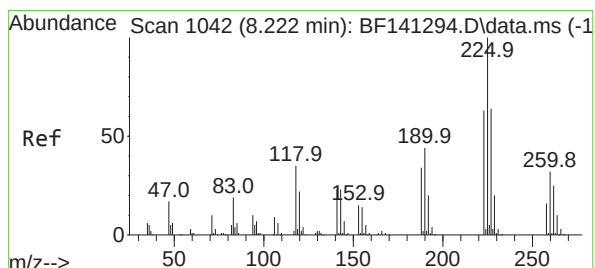
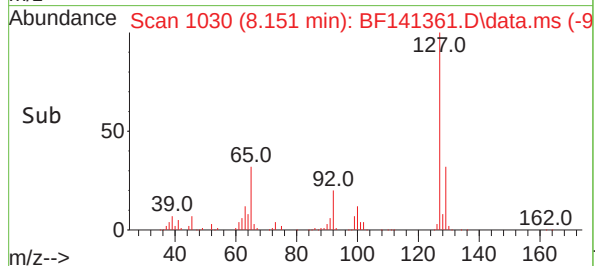
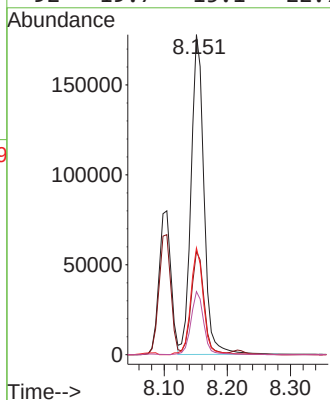
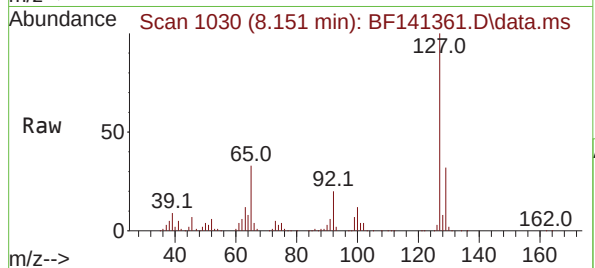
ClientSampleId :

SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	33.4	26.4	39.6
92	19.7	15.1	22.7

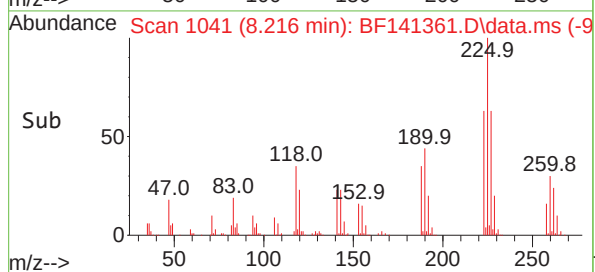
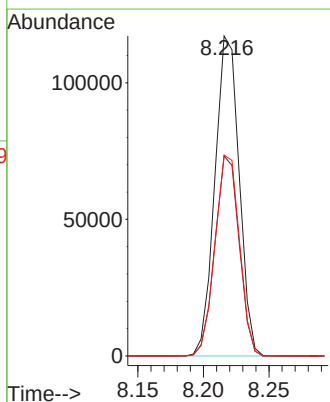
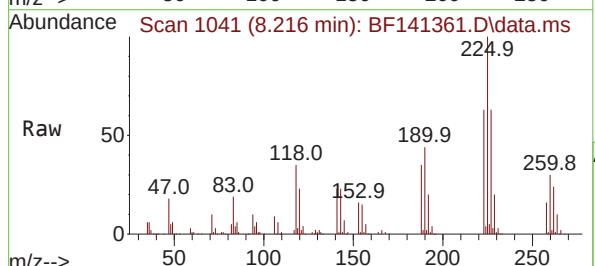
Manual Integrations
APPROVED

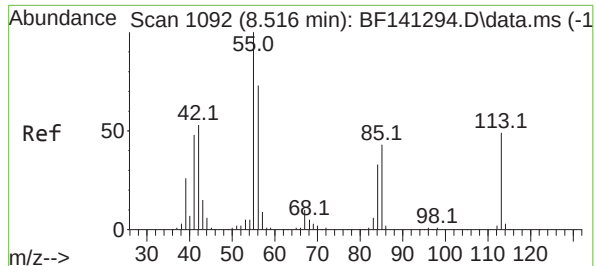
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 42.830 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	62.8	51.3	76.9





#35

Caprolactam

Concen: 40.128 ng

RT: 8.516 min Scan# 1109

Delta R.T. -0.030 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 6868

Ion Ratio Lower Upper

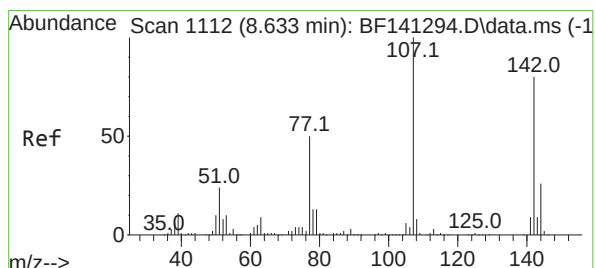
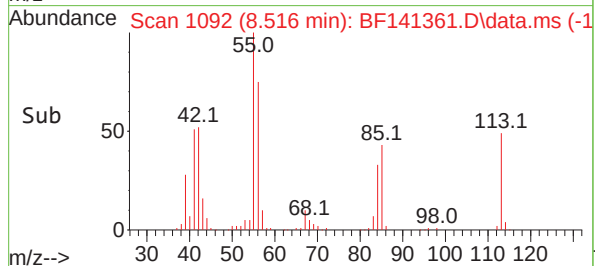
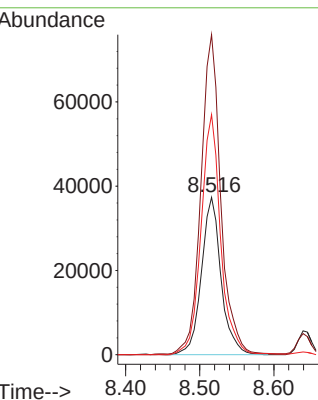
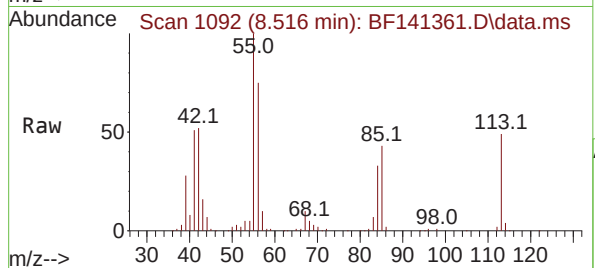
113 100

55 203.4 182.9 222.9

56 152.5 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#36

4-Chloro-3-methylphenol

Concen: 41.805 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

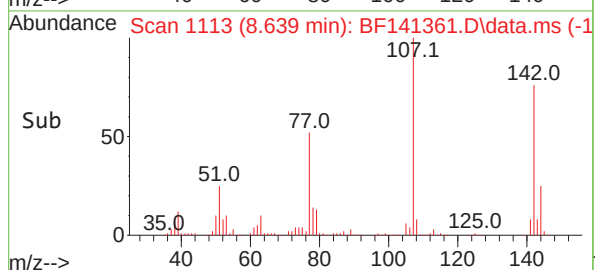
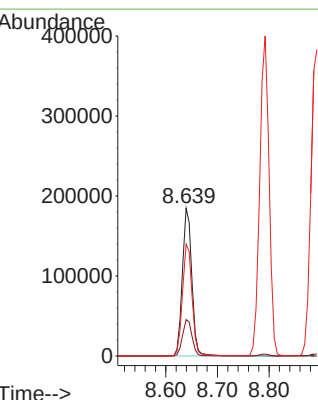
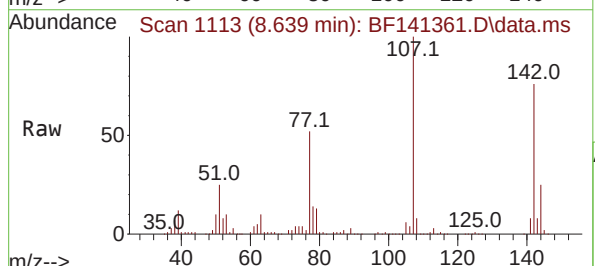
Tgt Ion:107 Resp: 235016

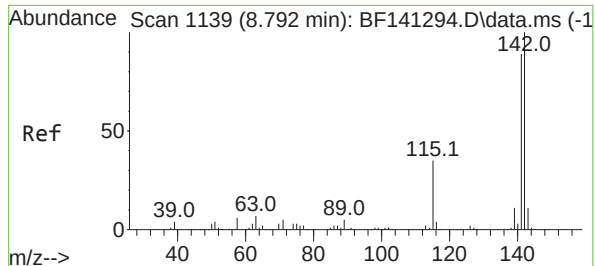
Ion Ratio Lower Upper

107 100

144 24.6 20.7 31.1

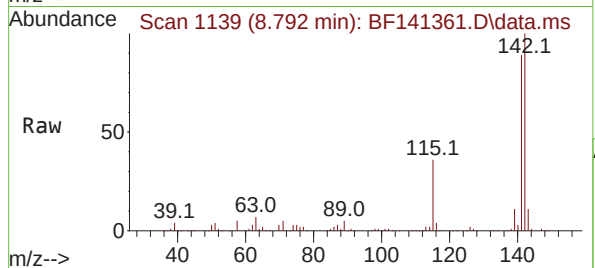
142 75.8 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.088 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

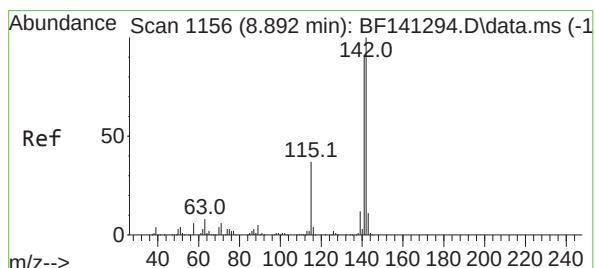
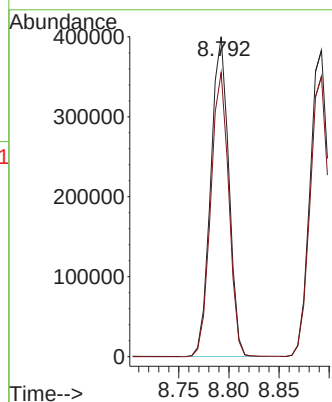
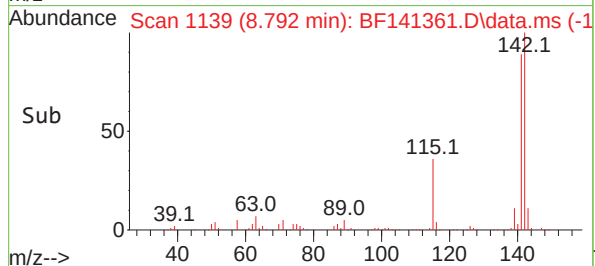
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 50049
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

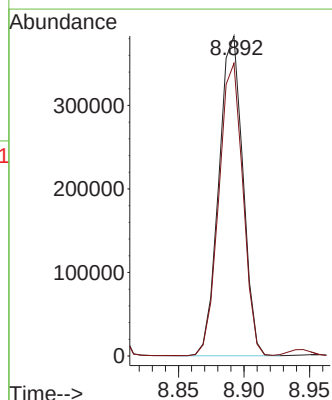
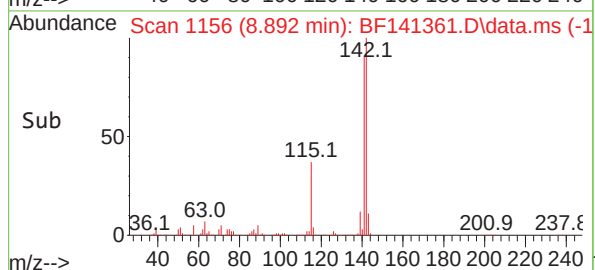
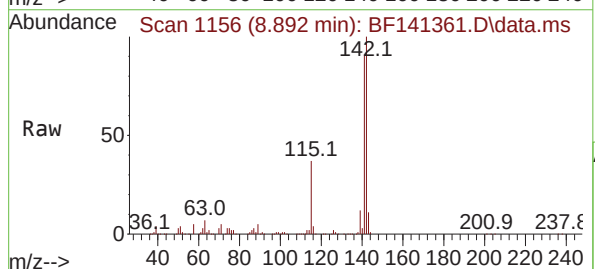
Manual Integrations
APPROVED

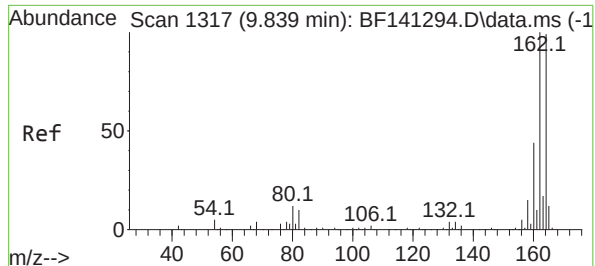
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 40.770 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:142 Resp: 487831
Ion Ratio Lower Upper
142 100
141 91.4 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

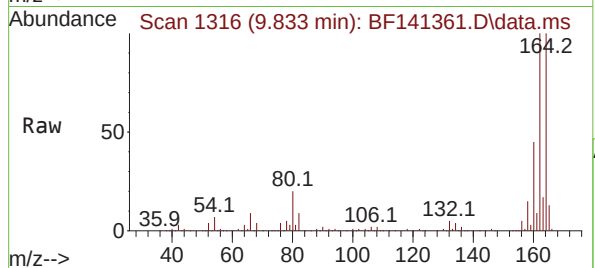
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTCCCC040



Tgt Ion:164 Resp: 19856

Ion Ratio Lower Upper

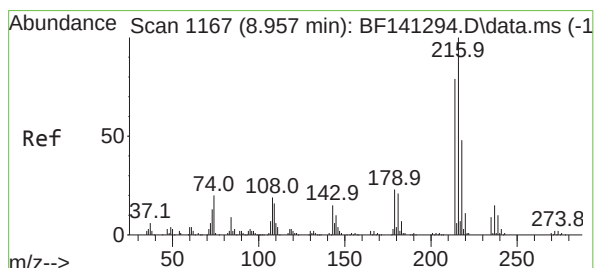
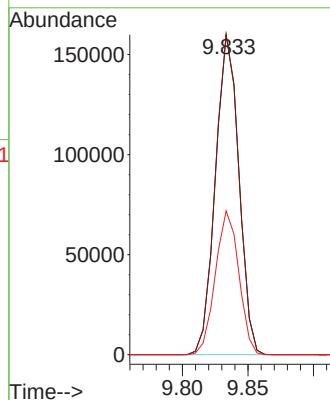
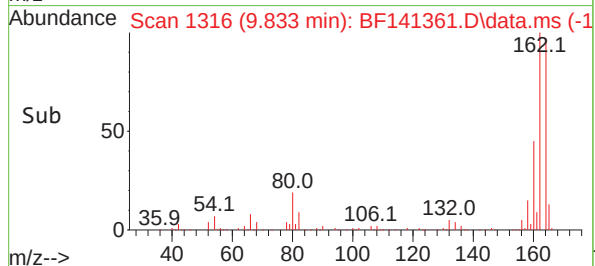
164 100

162 100.0 80.6 121.0

160 45.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#40

1,2,4,5-Tetrachlorobenzene

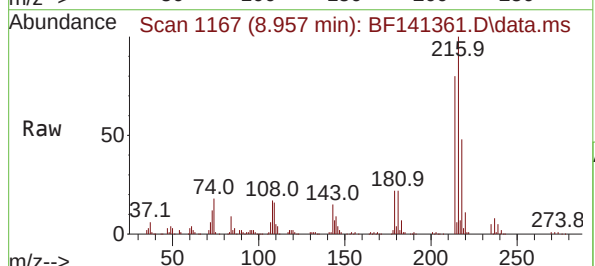
Concen: 40.237 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



Tgt Ion:216 Resp: 227300

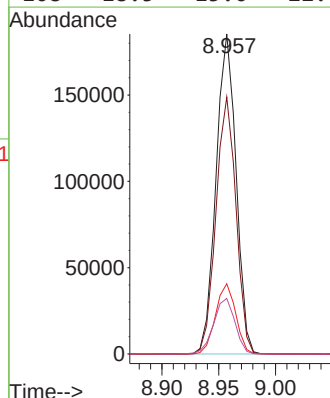
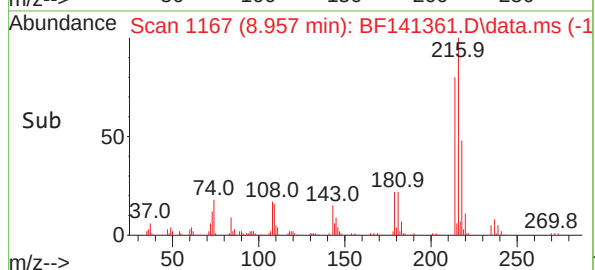
Ion Ratio Lower Upper

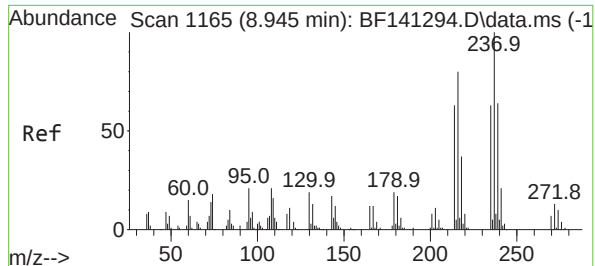
216 100

214 80.1 63.2 94.8

179 22.1 17.8 26.8

108 18.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 43.983 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

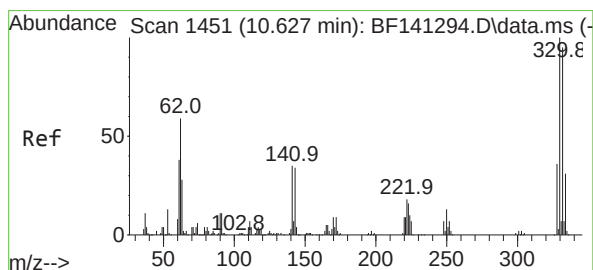
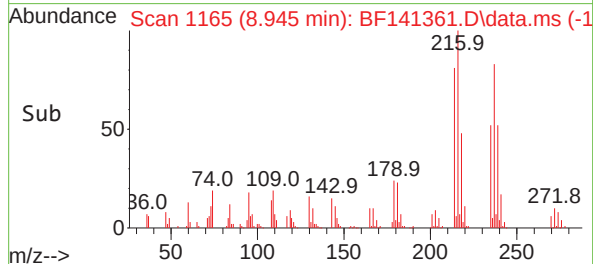
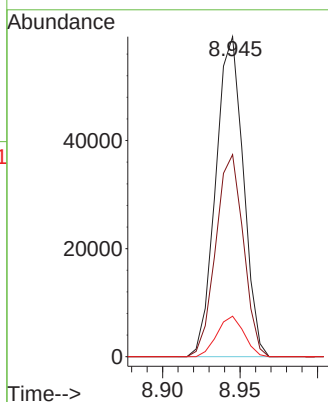
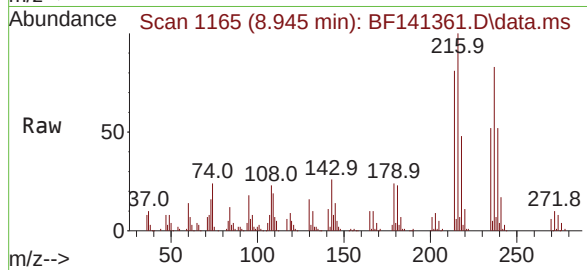
SSTDCCC040

Tgt Ion:	237	Resp:	7337
Ion Ratio	Lower	Upper	
237	100		
235	63.1	42.9	82.9
272	12.6	0.0	32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 87.321 ng

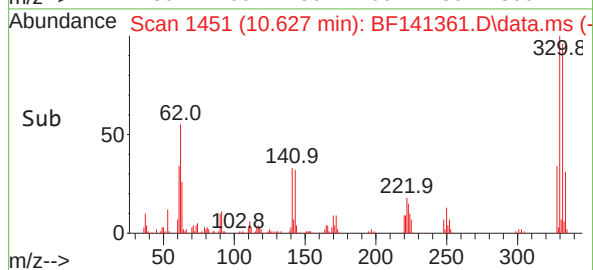
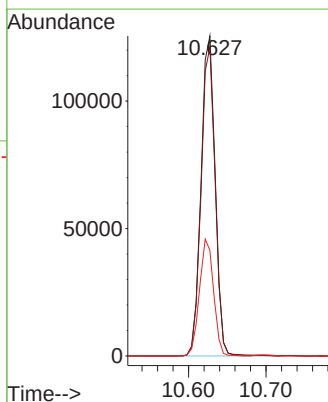
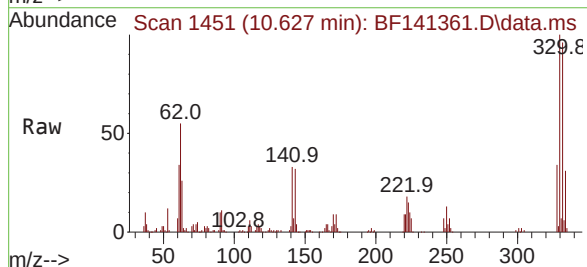
RT: 10.627 min Scan# 1451

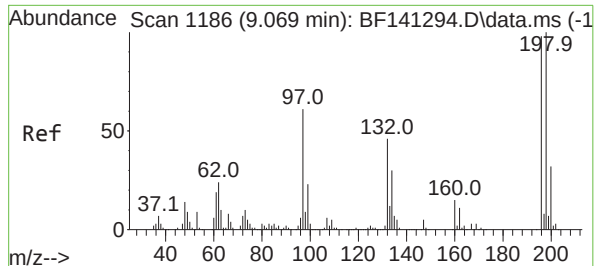
Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

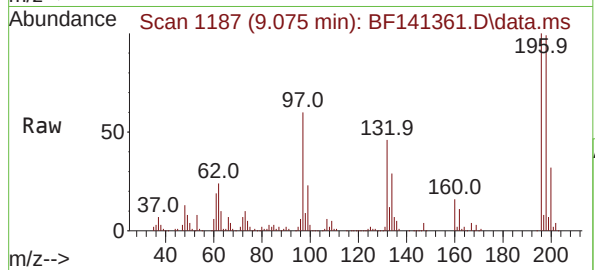
Tgt Ion:	330	Resp:	158958
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.1	114.1
141	36.5	28.8	43.2





#43
2,4,6-Trichlorophenol
Concen: 41.248 ng
RT: 9.075 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

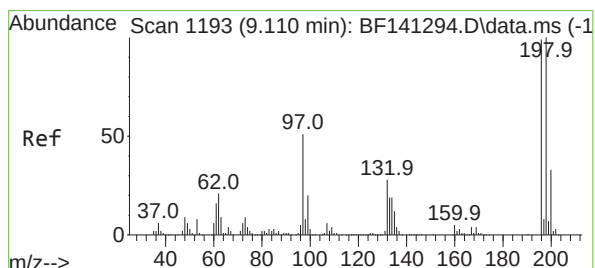
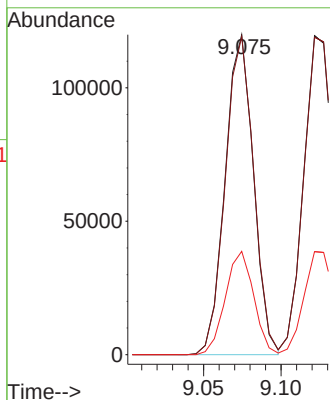
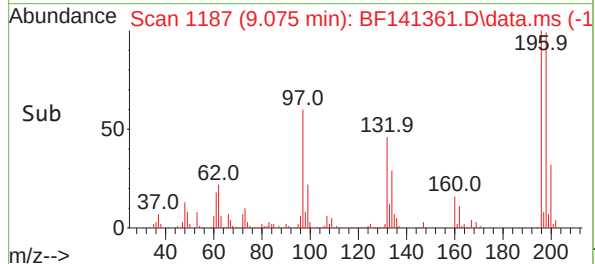
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



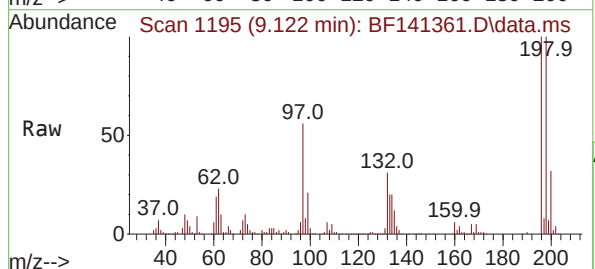
Tgt Ion:196 Resp: 152514
Ion Ratio Lower Upper
196 100
198 99.4 81.8 122.6
200 32.3 26.3 39.5

Manual Integrations
APPROVED

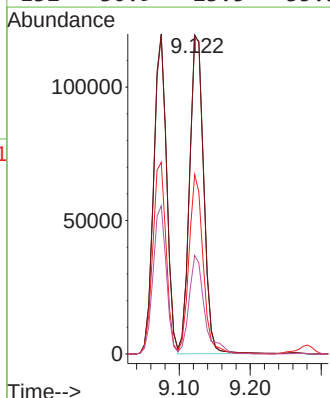
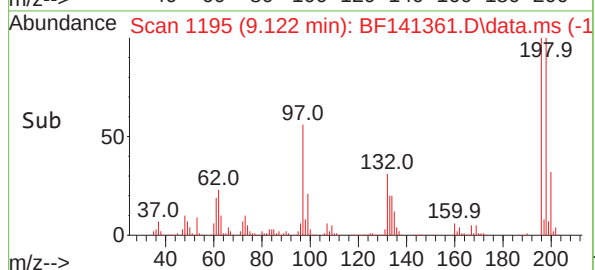
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

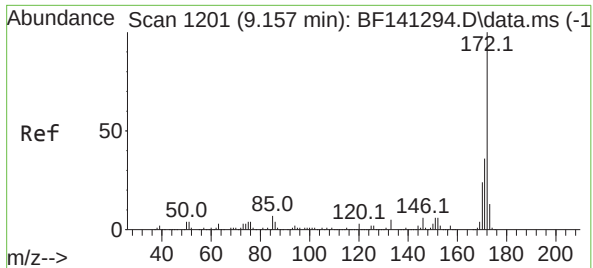


#44
2,4,5-Trichlorophenol
Concen: 41.031 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:196 Resp: 165119
Ion Ratio Lower Upper
196 100
198 99.5 80.5 120.7
97 56.2 42.8 64.2
132 30.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 80.940 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1044178

Ion Ratio Lower Upper

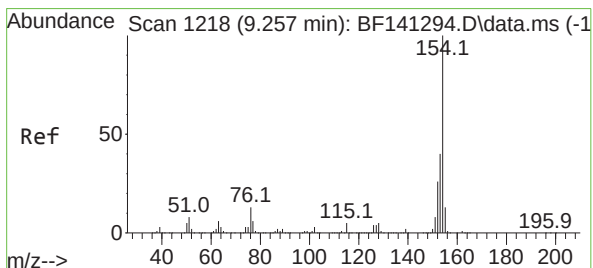
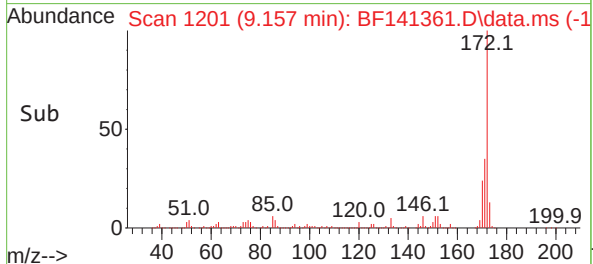
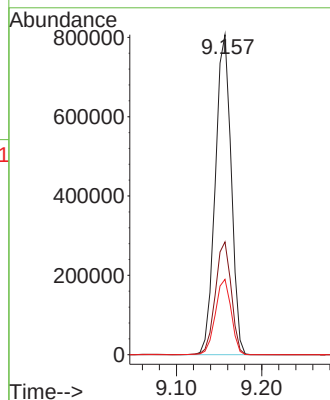
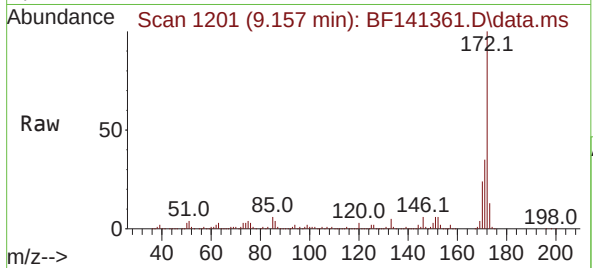
172 100

171 35.2 28.8 43.2

170 23.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#46

1,1'-Biphenyl

Concen: 39.699 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

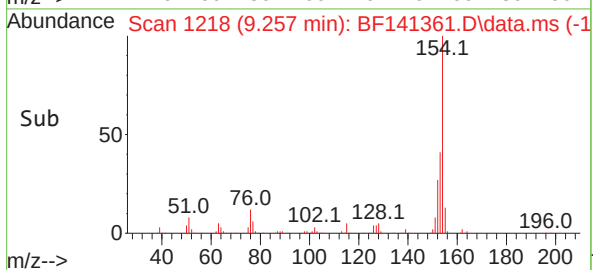
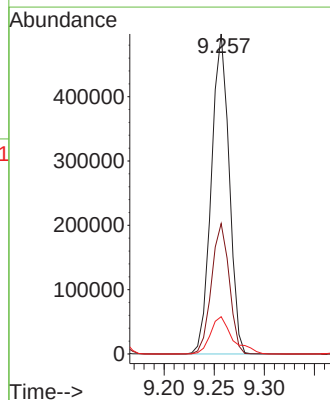
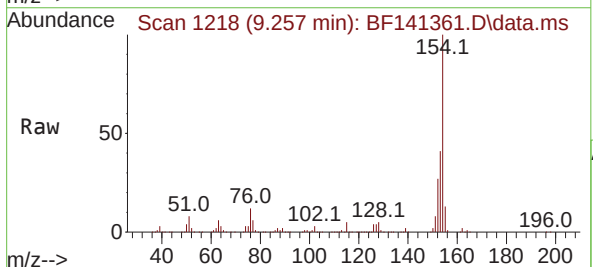
Tgt Ion:154 Resp: 614766

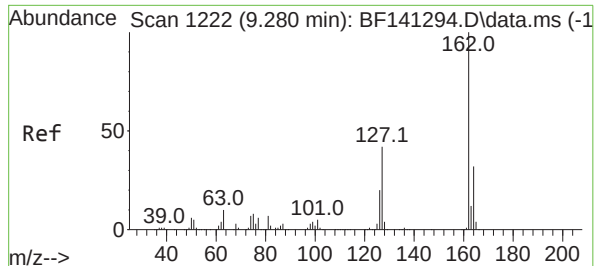
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 11.6 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.740 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 47967

Ion Ratio Lower Upper

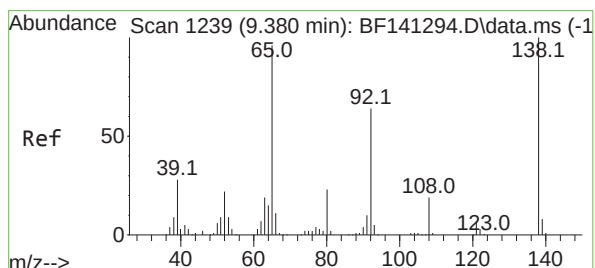
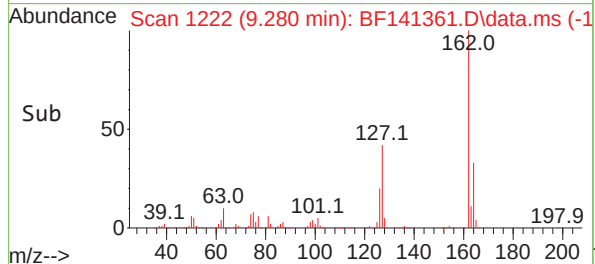
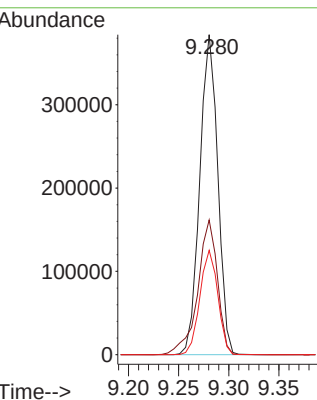
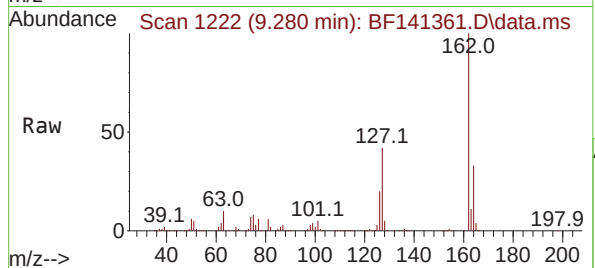
162 100

127 42.1 33.7 50.5

164 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#48

2-Nitroaniline

Concen: 41.055 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

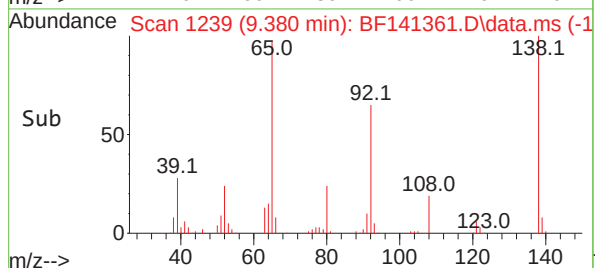
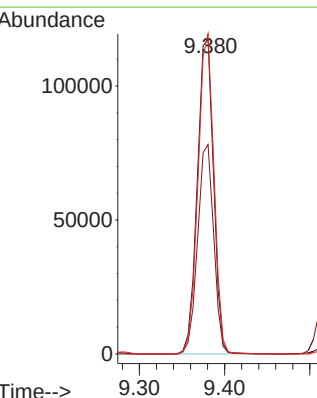
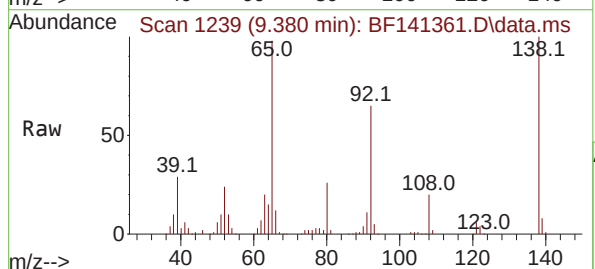
Tgt Ion: 65 Resp: 155868

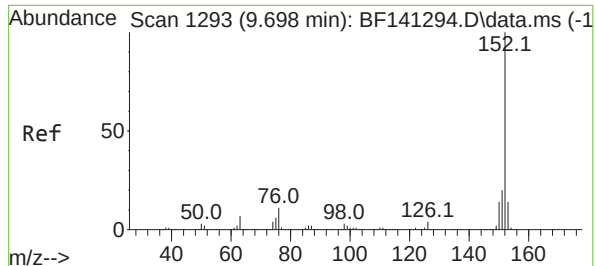
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 101.8 83.6 125.4





#49

Acenaphthylene

Concen: 39.923 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 67454

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

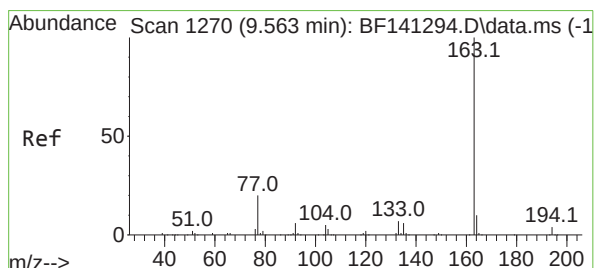
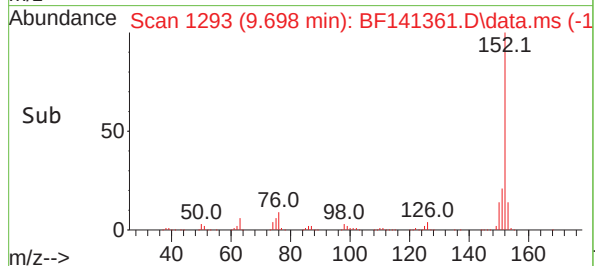
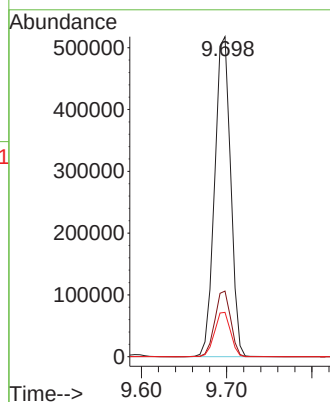
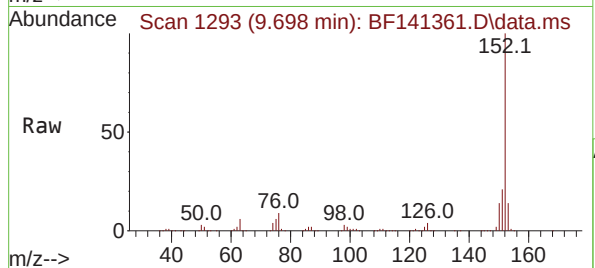
153 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 40.523 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

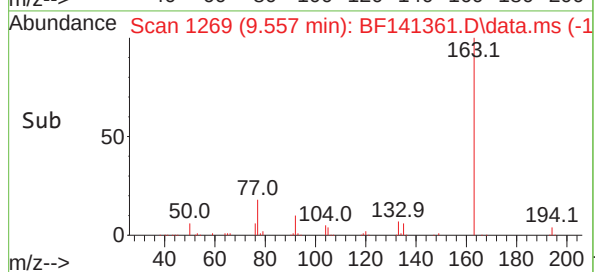
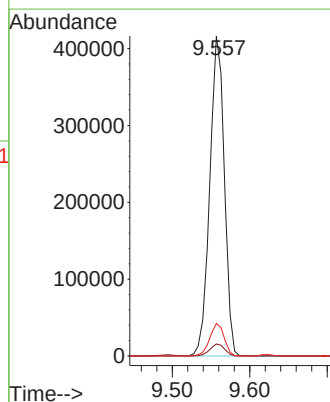
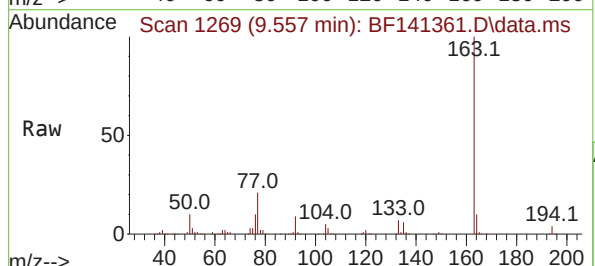
Tgt Ion:163 Resp: 543455

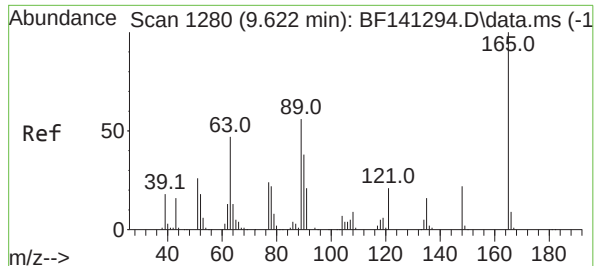
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

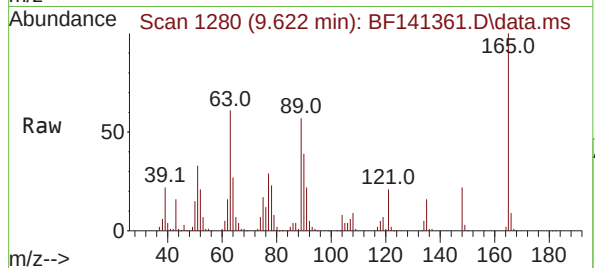
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 40.149 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

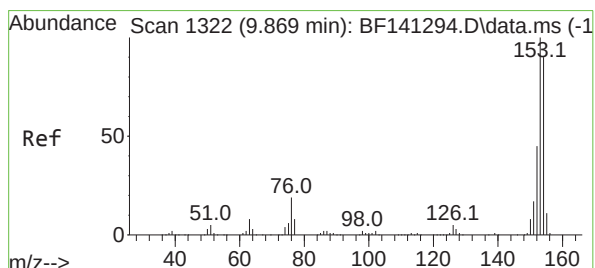
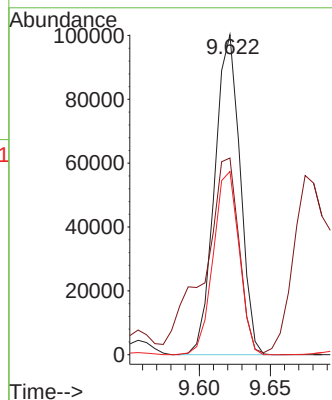
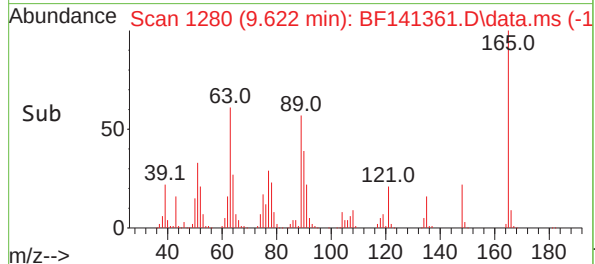
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 125020
Ion Ratio Lower Upper
165 100
63 61.5 48.1 72.1
89 57.2 44.9 67.3

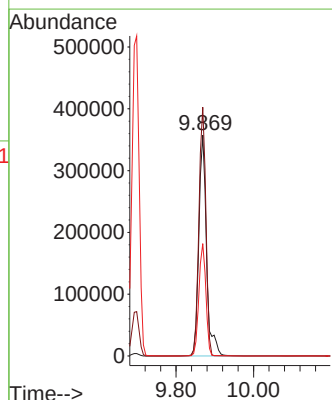
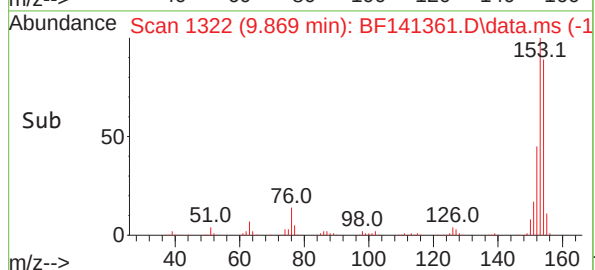
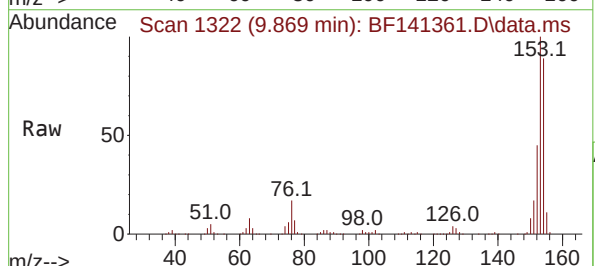
Manual Integrations
APPROVED

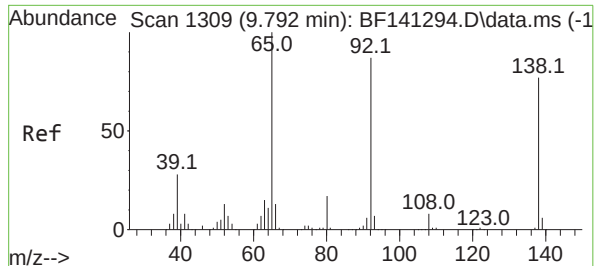
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 40.755 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:154 Resp: 491940
Ion Ratio Lower Upper
154 100
153 112.7 89.0 133.4
152 50.9 40.2 60.4





#53

3-Nitroaniline

Concen: 41.859 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 127750

Ion Ratio Lower Upper

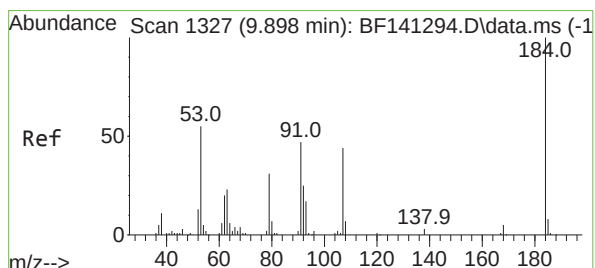
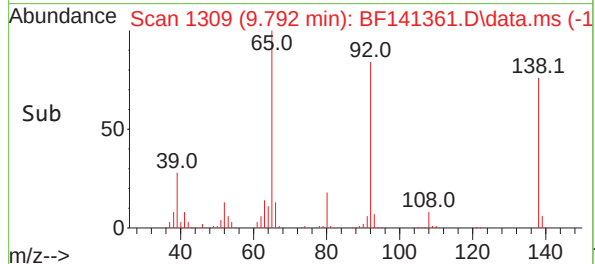
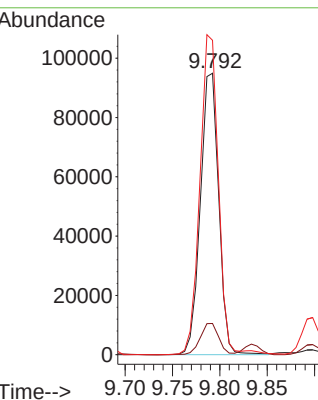
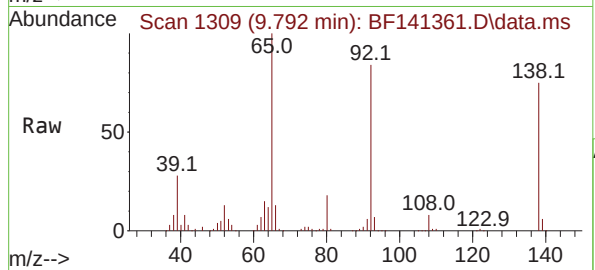
138 100

108 11.1 8.6 12.8

92 111.7 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#54

2,4-Dinitrophenol

Concen: 44.625 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

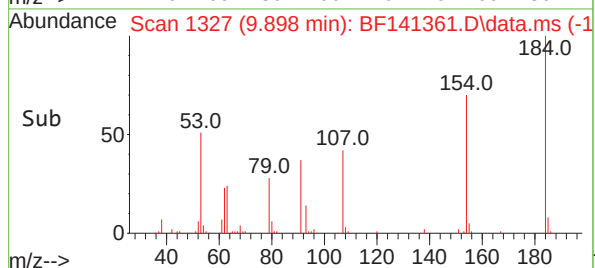
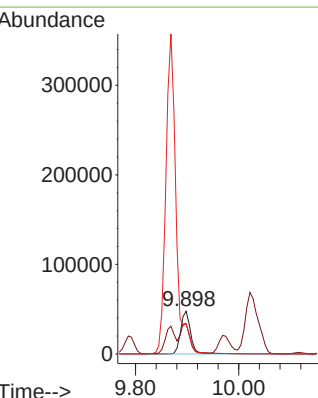
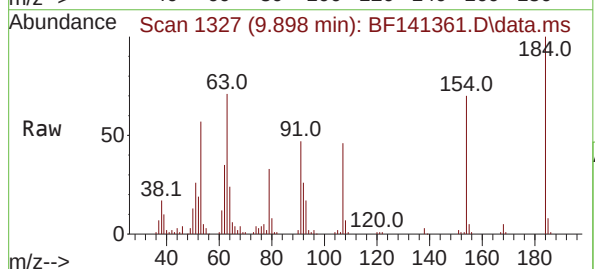
Tgt Ion:184 Resp: 64595

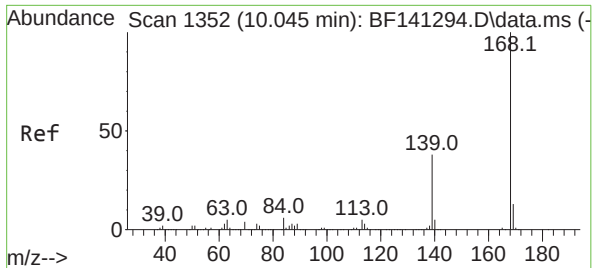
Ion Ratio Lower Upper

184 100

63 71.2 54.1 81.1

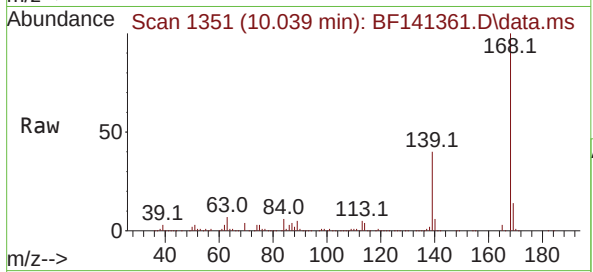
154 70.4 50.7 76.1





#55
Dibenzenofuran
Concen: 40.548 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

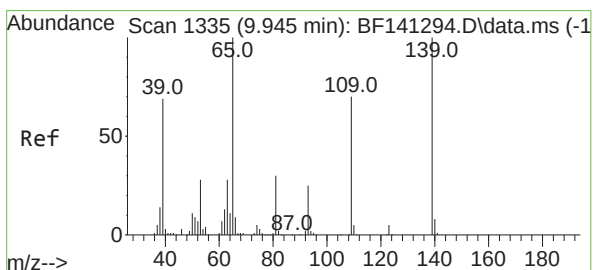
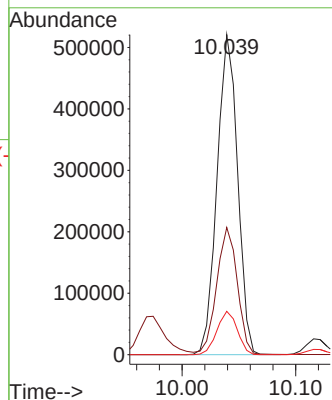
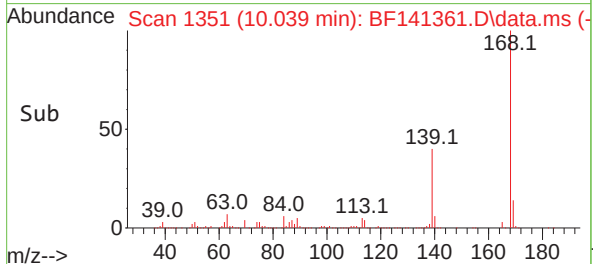
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 655150
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.6 10.8 16.2

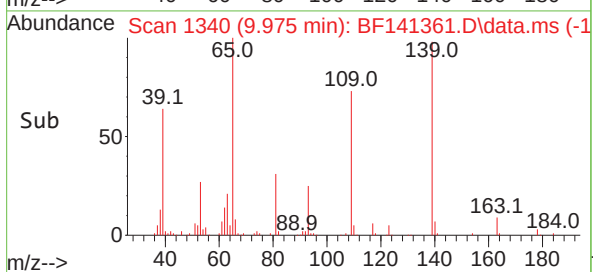
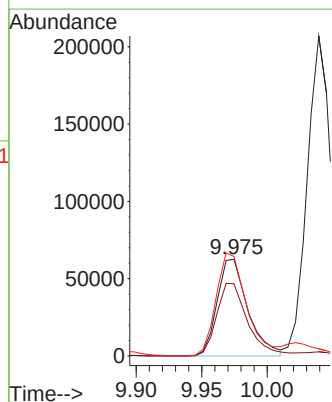
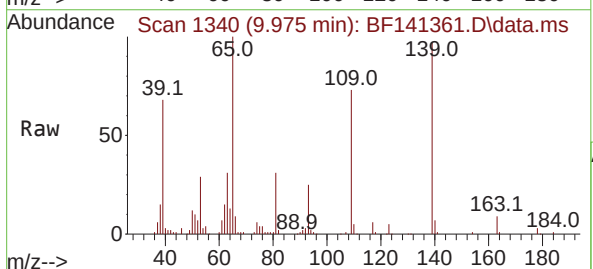
Manual Integrations
APPROVED

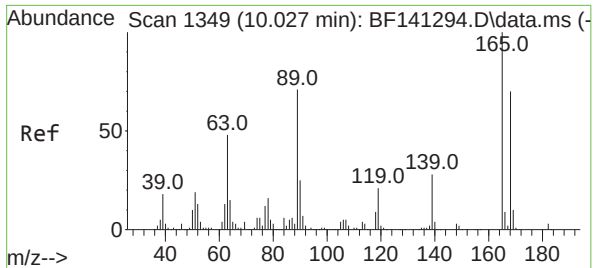
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 45.471 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

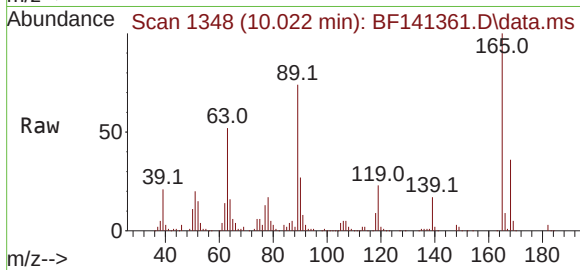
Tgt Ion:139 Resp: 101492
Ion Ratio Lower Upper
139 100
109 74.6 50.2 90.2
65 102.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 41.946 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

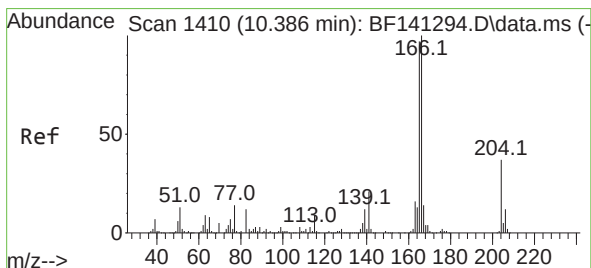
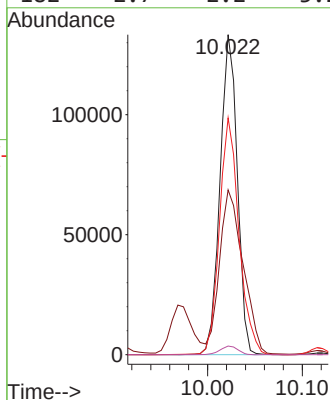
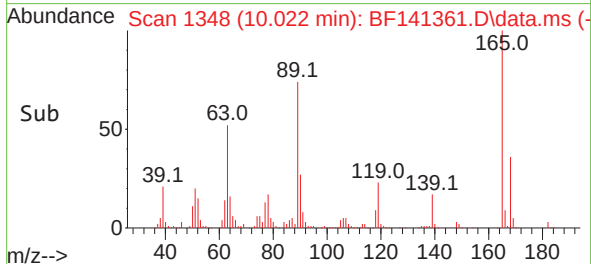
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



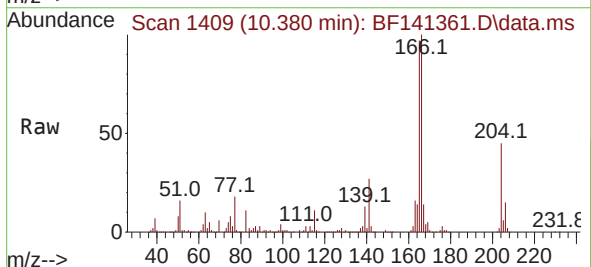
Tgt Ion:165 Resp: 169109
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 74.0 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
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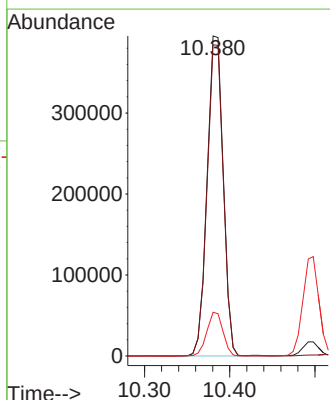
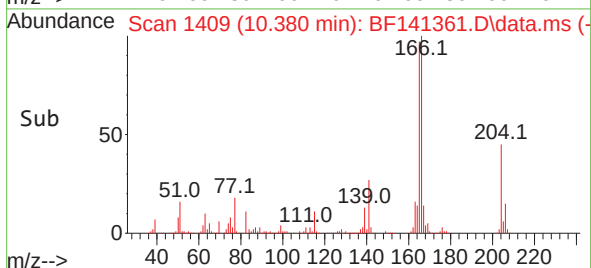
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

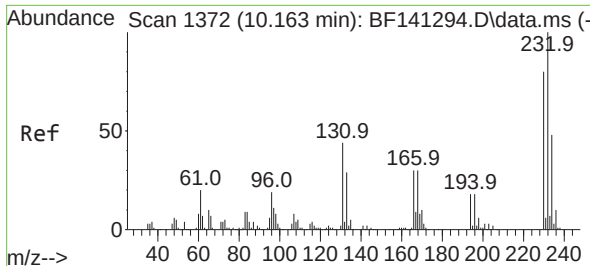


#58
Fluorene
Concen: 41.554 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



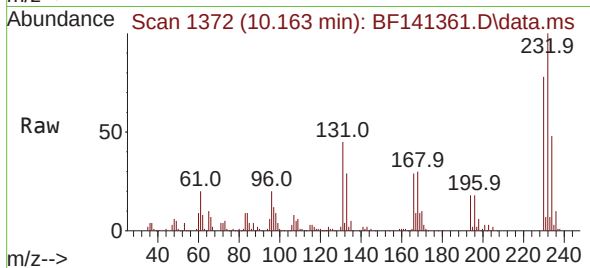
Tgt Ion:166 Resp: 520788
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.892 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

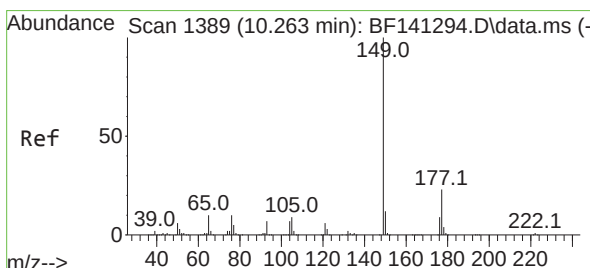
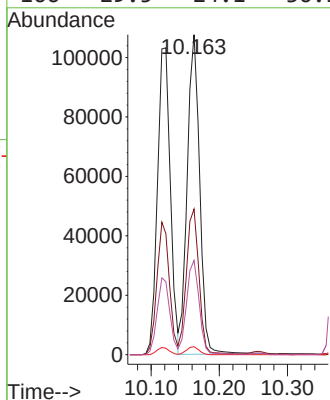
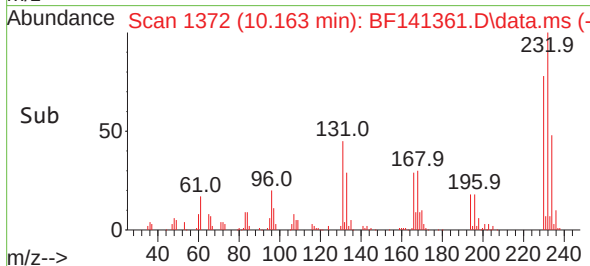
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



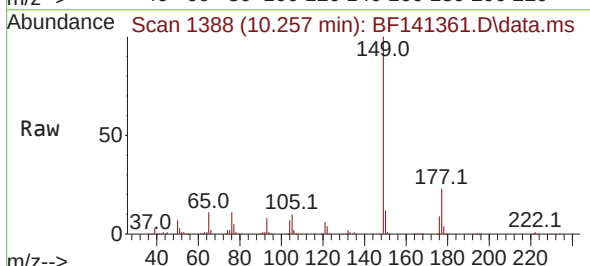
Tgt Ion:232 Resp: 13579
Ion Ratio Lower Upper
232 100
131 46.0 36.4 54.6
130 2.5 1.9 2.9
166 29.5 24.1 36.1

Manual Integrations
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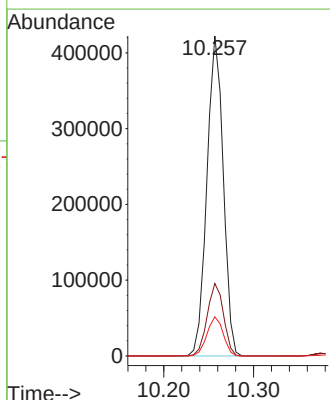
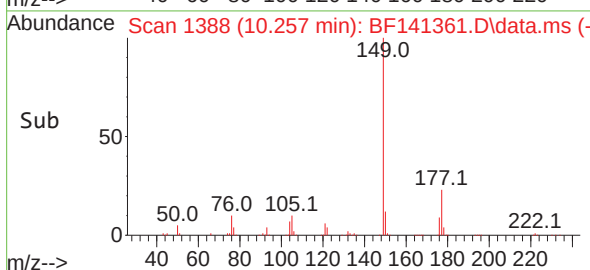
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

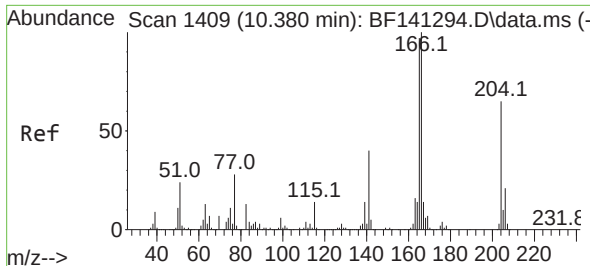


#60
Diethylphthalate
Concen: 41.025 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:149 Resp: 533471
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.2 10.0 15.0





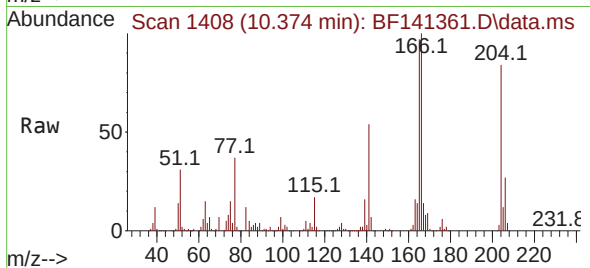
#61
4-Chlorophenyl-phenylether
Concen: 41.170 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

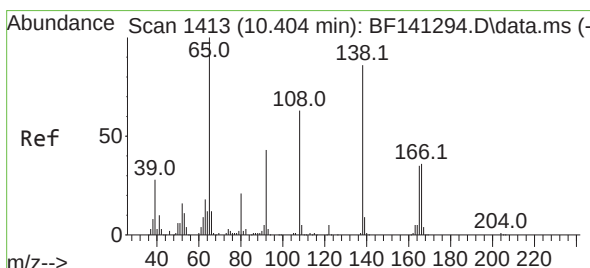
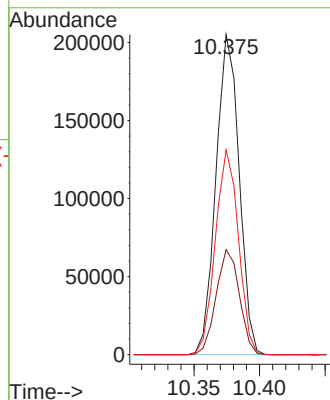
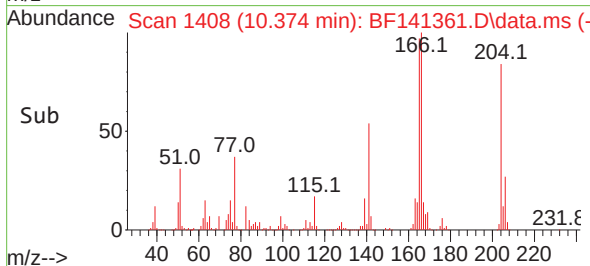


Tgt Ion:204 Resp: 252040
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 64.0 49.5 74.3

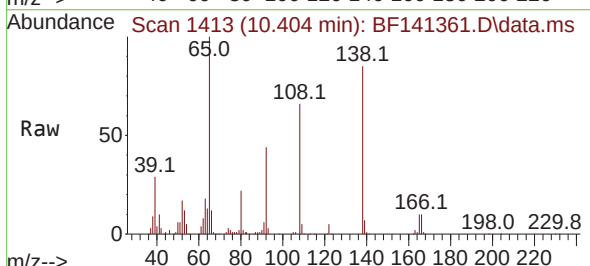
Manual Integrations

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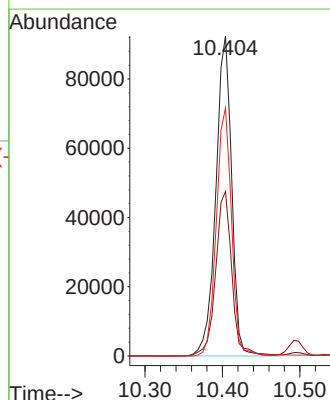
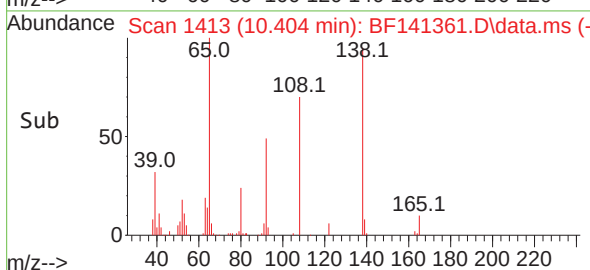
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

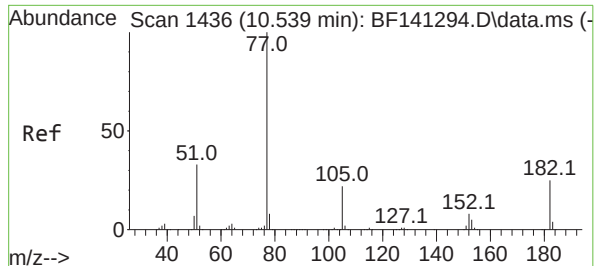


#62
4-Nitroaniline
Concen: 43.865 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



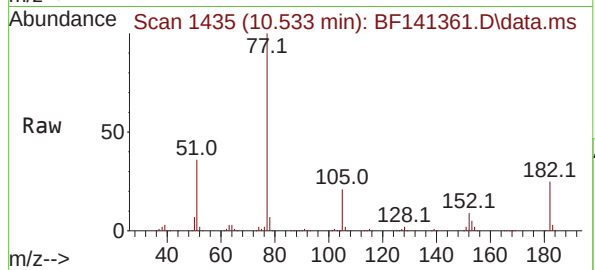
Tgt Ion:138 Resp: 131617
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 77.5 53.1 93.1





#63
Azobenzene
Concen: 40.048 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

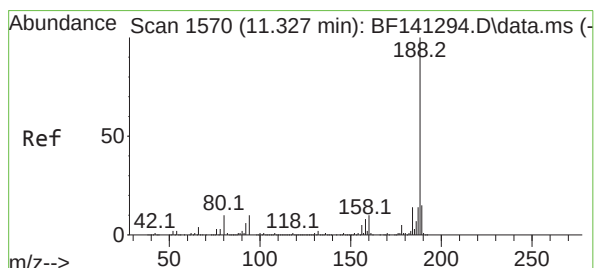
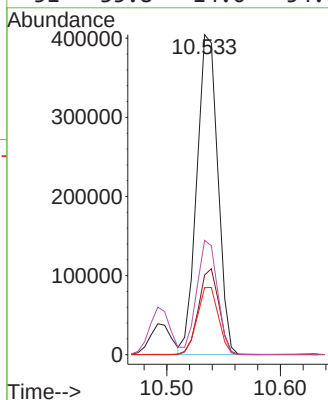
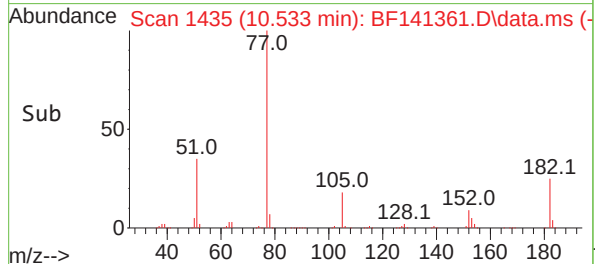
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



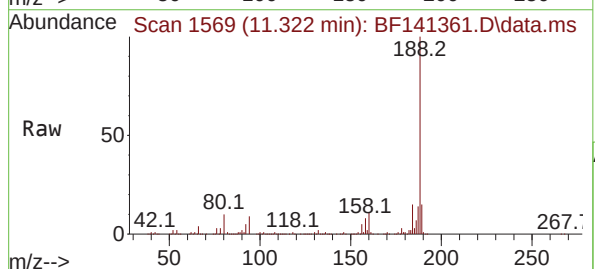
Tgt Ion: 77 Resp: 521272
Ion Ratio Lower Upper
77 100
182 24.9 5.1 45.1
105 20.9 1.8 41.8
51 35.8 14.0 54.0

Manual Integrations
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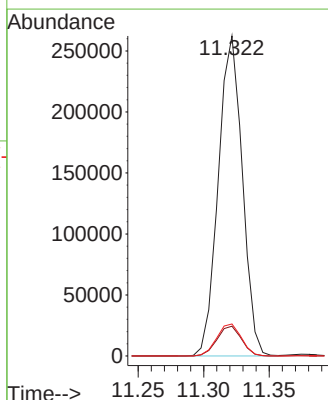
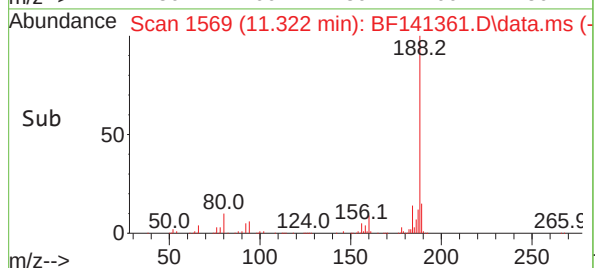
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

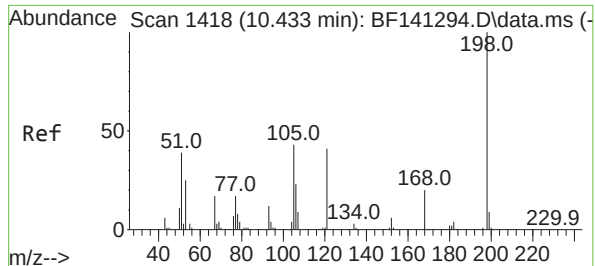


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:188 Resp: 334466
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 10.0 8.2 12.4





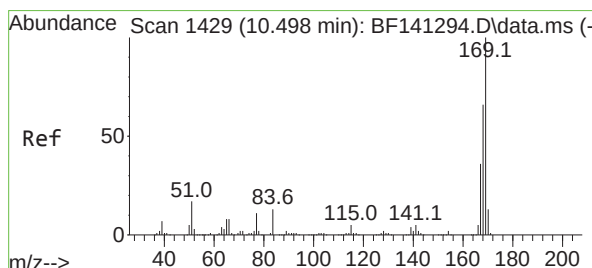
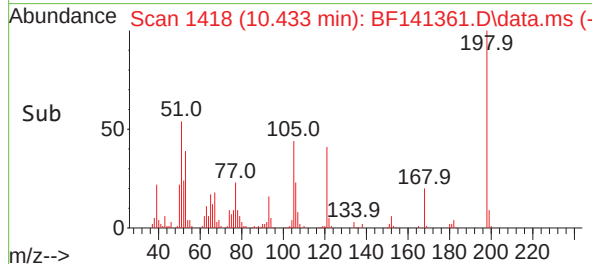
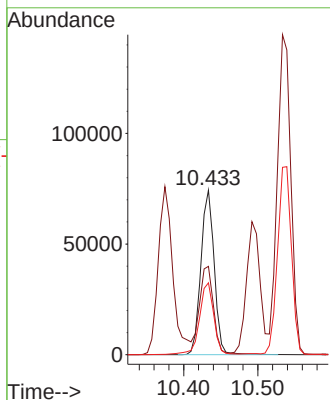
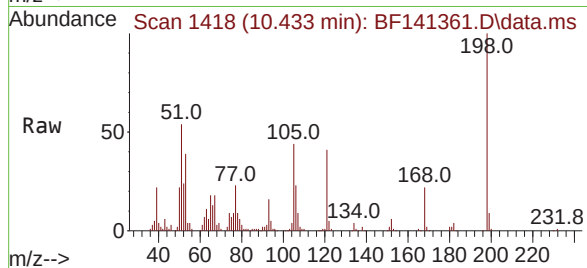
#65
4,6-Dinitro-2-methylphenol
Concen: 46.869 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 9272
Ion Ratio Lower Upper
198 100
51 53.7 33.4 73.4
105 43.7 24.4 64.4

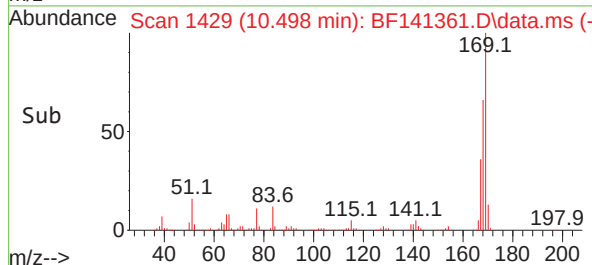
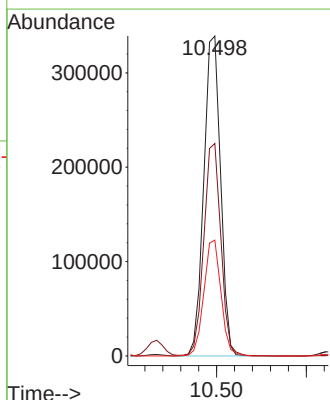
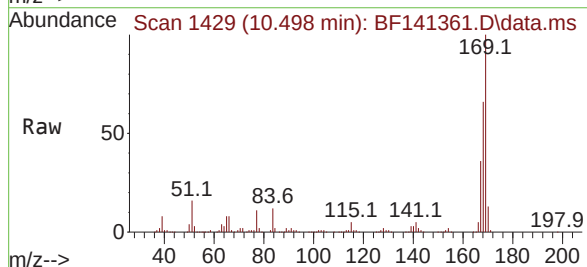
Manual Integrations
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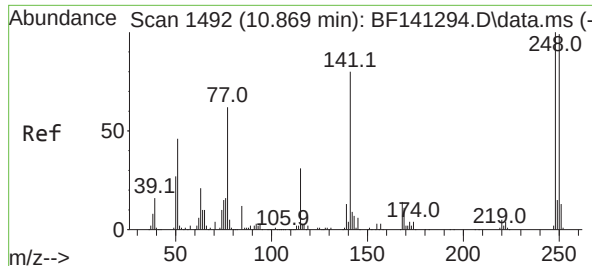
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 40.682 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

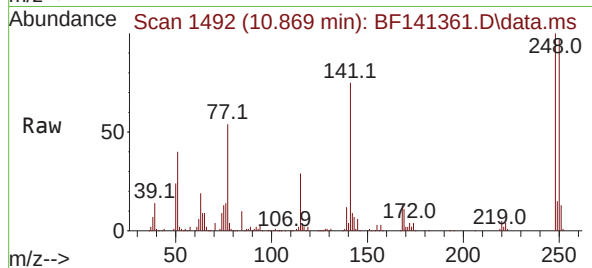
Tgt Ion:169 Resp: 440088
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.715 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

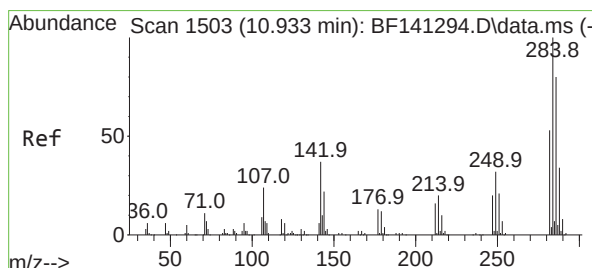
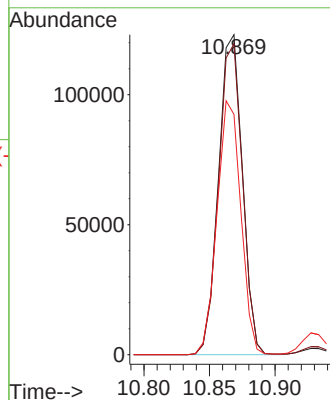
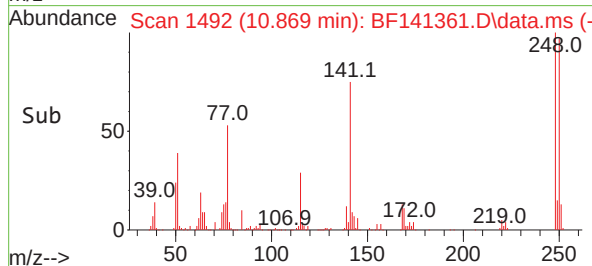
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



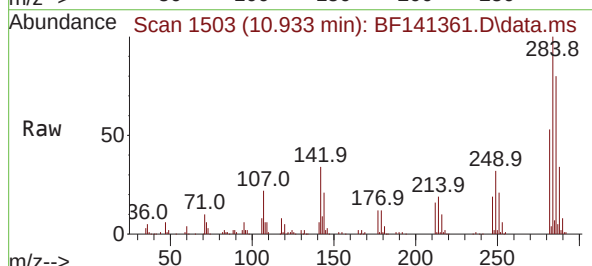
Tgt Ion:248 Resp: 156199
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.4
141 75.1 63.7 95.5

Manual Integrations
APPROVED

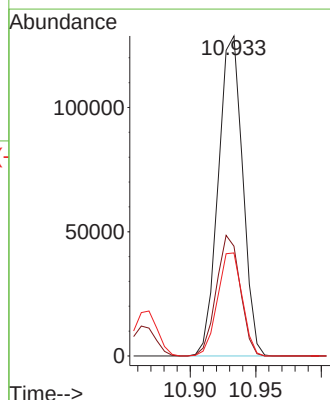
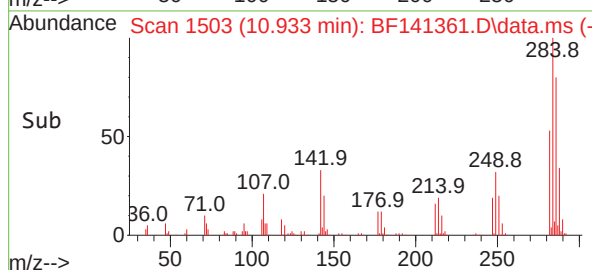
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

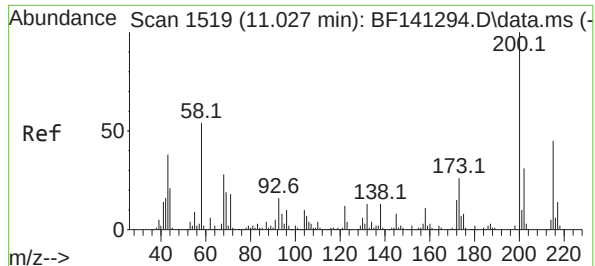


#68
Hexachlorobenzene
Concen: 41.866 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:284 Resp: 166289
Ion Ratio Lower Upper
284 100
142 34.3 29.5 44.3
249 32.2 25.4 38.2





#69

Atrazine

Concen: 39.975 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 14458

Ion Ratio Lower Upper

200 100

173 24.9 5.9 45.9

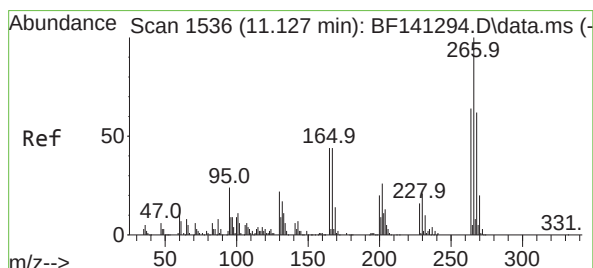
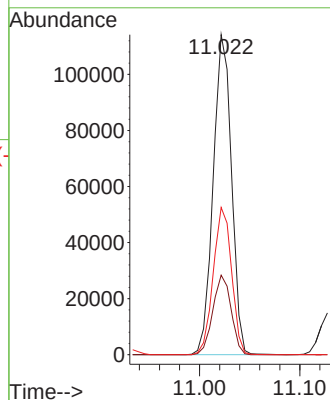
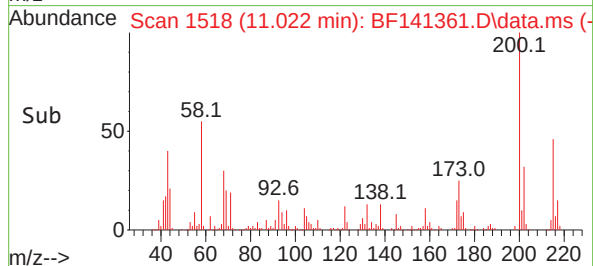
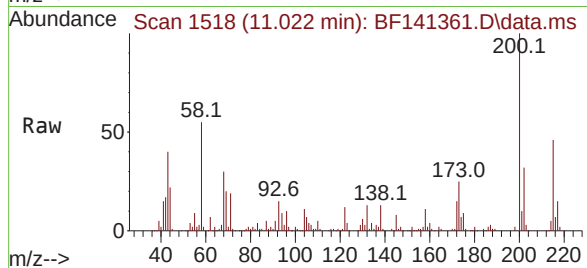
215 46.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 43.745 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

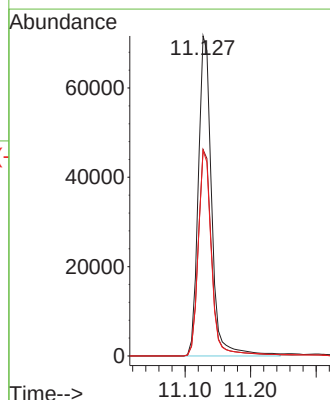
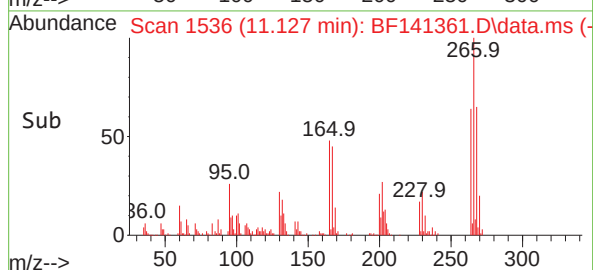
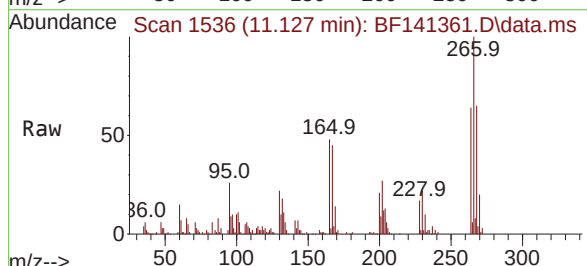
Tgt Ion:266 Resp: 101747

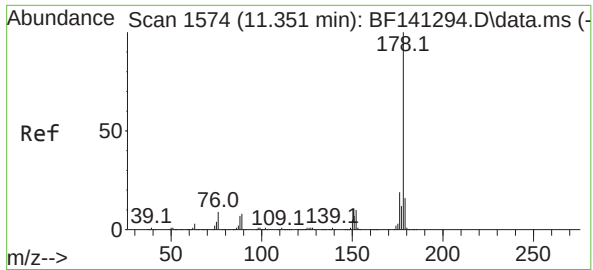
Ion Ratio Lower Upper

266 100

268 64.5 49.9 74.9

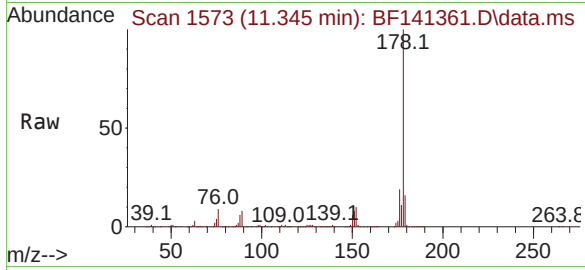
264 64.2 51.0 76.4





#71
Phenanthrene
Concen: 42.056 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

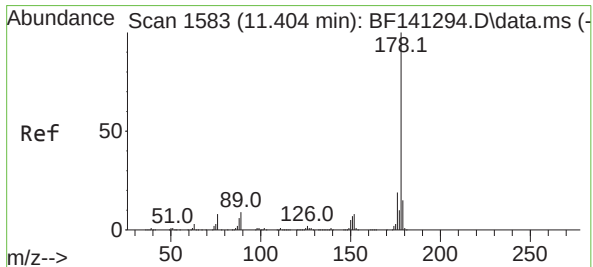
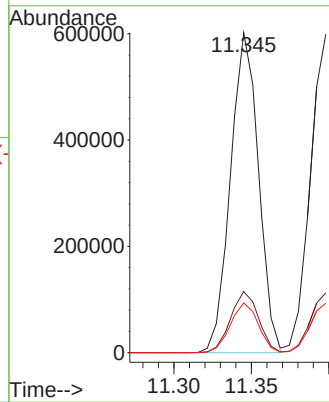
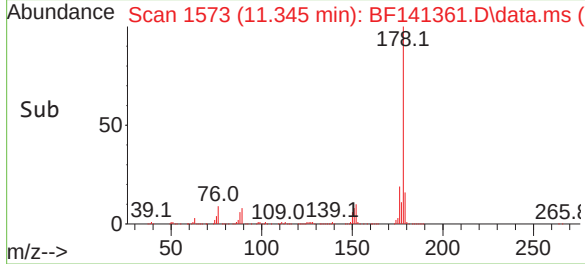
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 756111
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

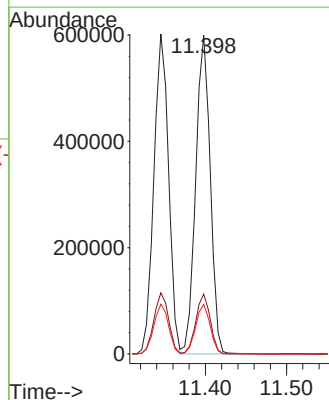
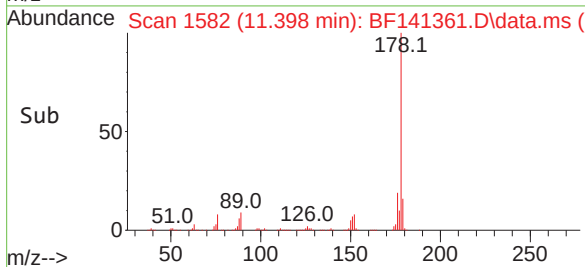
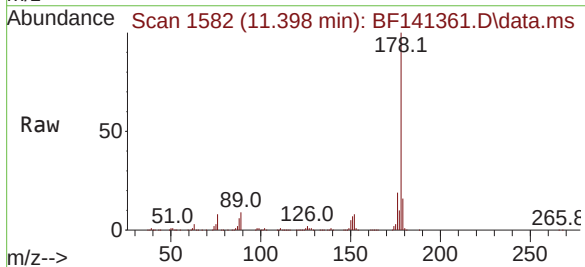
Manual Integrations
APPROVED

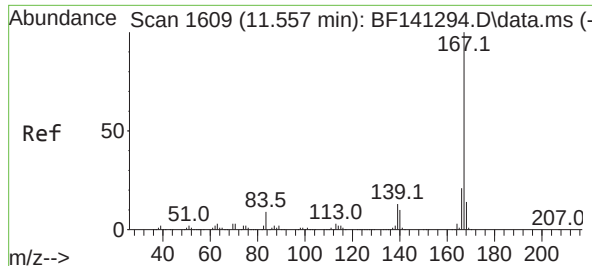
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 42.420 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

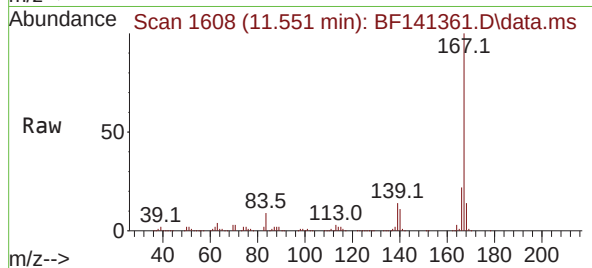
Tgt Ion:178 Resp: 747273
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.3 18.5





#73
Carbazole
Concen: 44.227 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

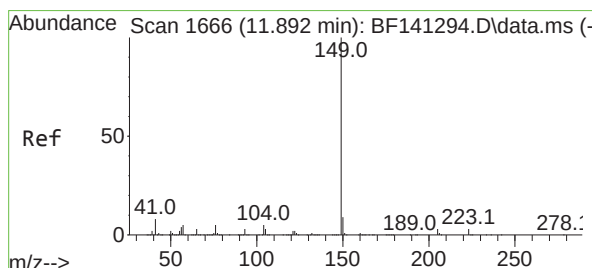
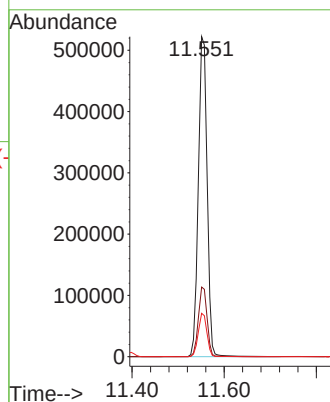
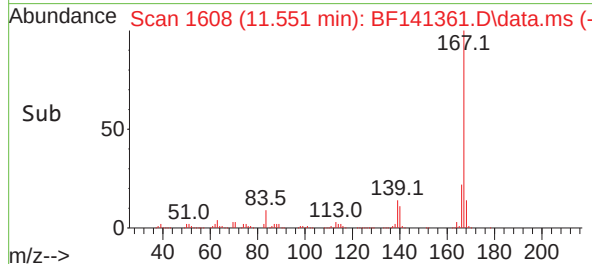
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 69085
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.5 10.6 16.0

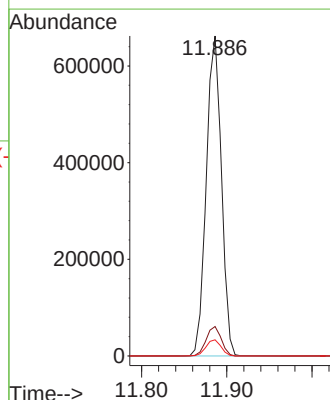
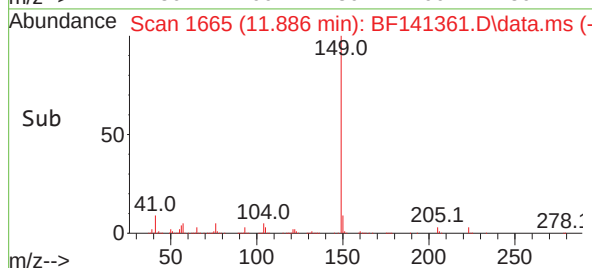
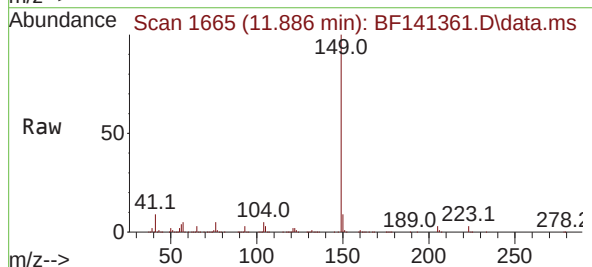
Manual Integrations
APPROVED

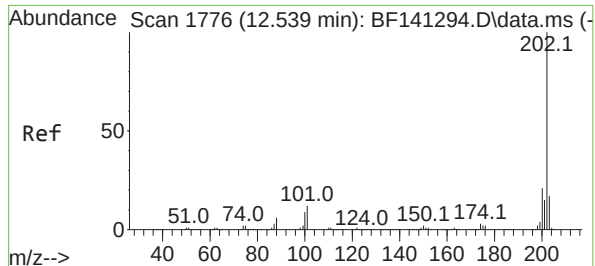
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#74
Di-n-butylphthalate
Concen: 43.100 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

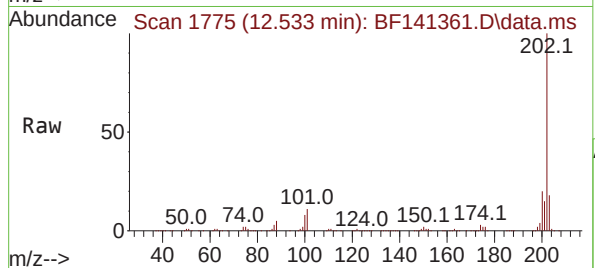
Tgt Ion:149 Resp: 815911
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 45.626 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

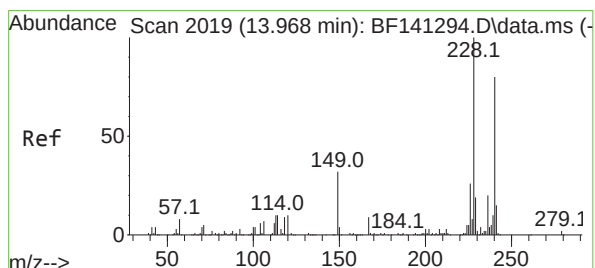
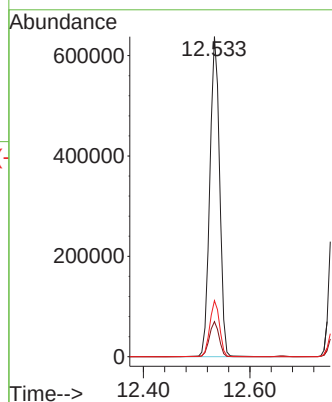
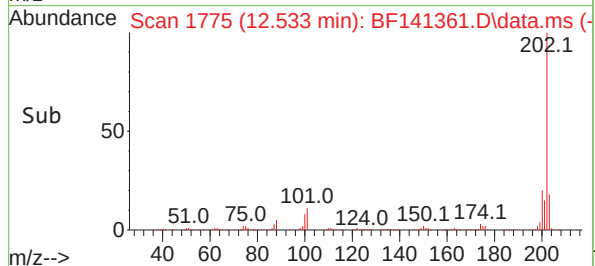
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



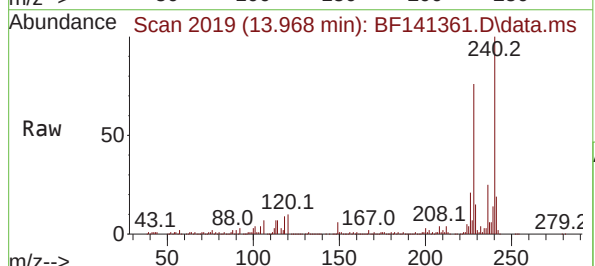
Tgt Ion:202 Resp: 809964
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.7
203 17.5 0.0 37.5

Manual Integrations
APPROVED

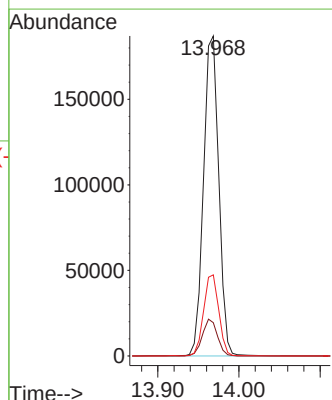
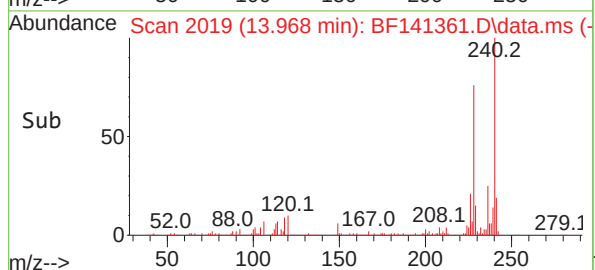
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

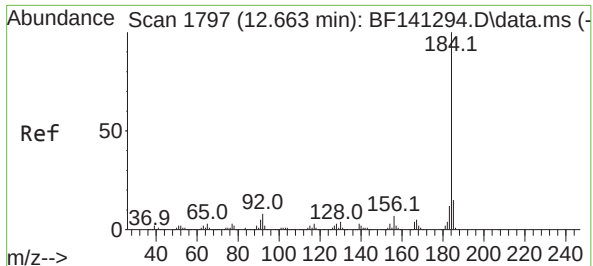


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



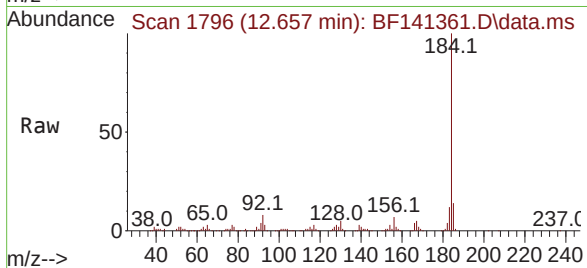
Tgt Ion:240 Resp: 243574
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.4 19.7 29.5





#77
Benzidine
Concen: 39.082 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

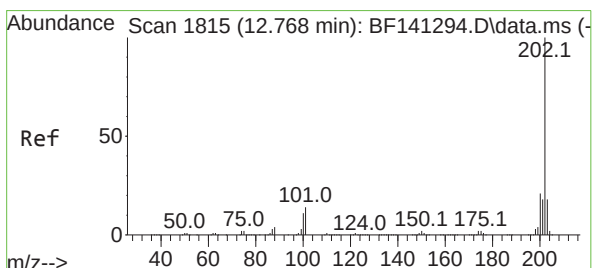
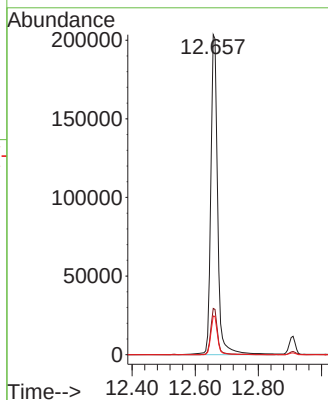
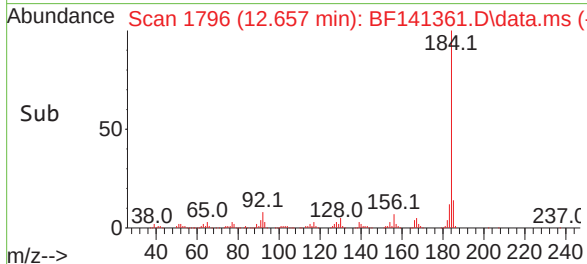
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 30517
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 12.1 9.5 14.3

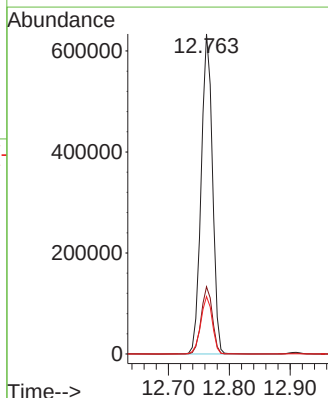
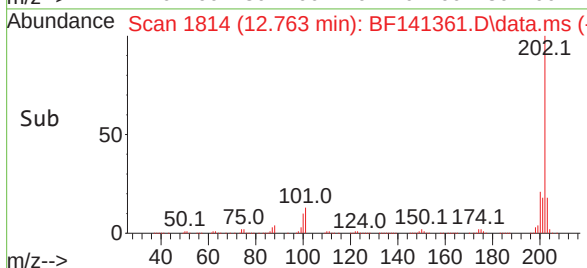
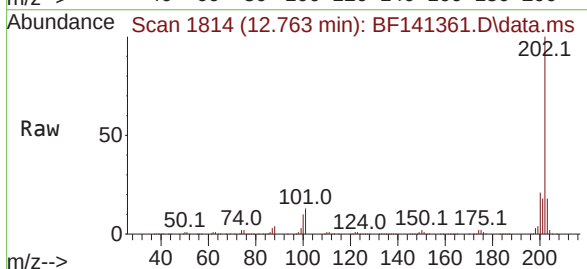
Manual Integrations
APPROVED

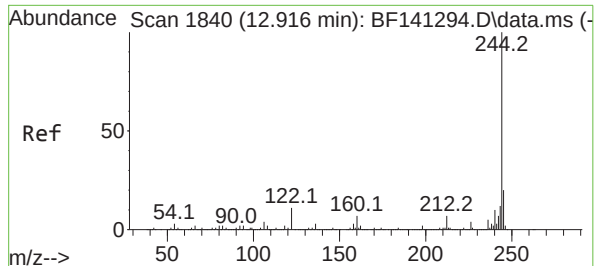
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 34.986 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:202 Resp: 817992
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 70.570 ng

RT: 12.910 min Scan# 111459

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 111459

Ion Ratio Lower Upper

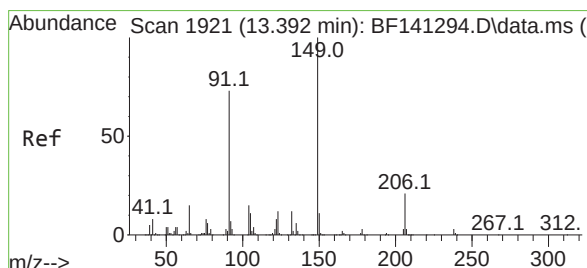
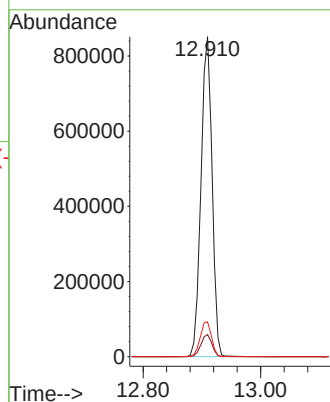
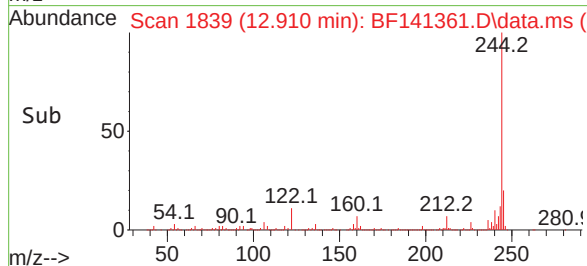
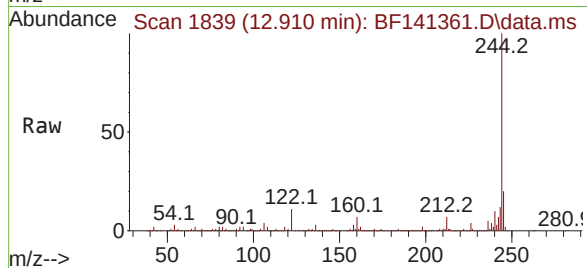
244 100

212 6.9 5.4 8.0

122 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#80

Butylbenzylphthalate

Concen: 38.308 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

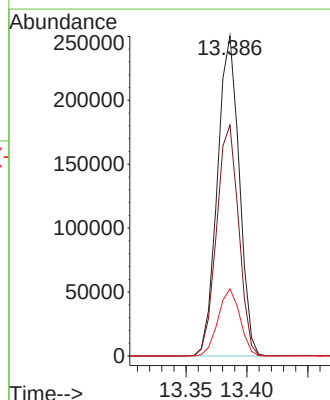
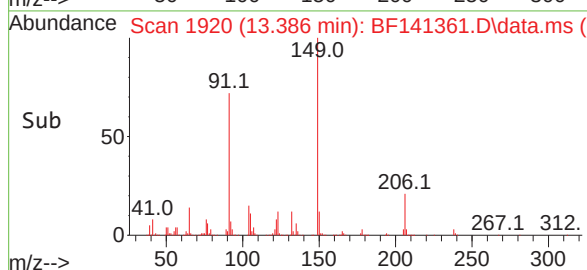
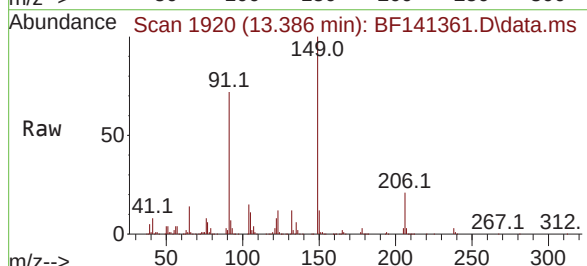
Tgt Ion:149 Resp: 312910

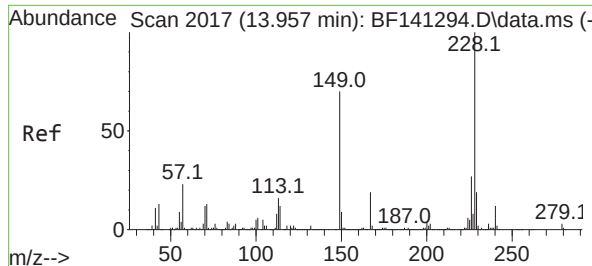
Ion Ratio Lower Upper

149 100

91 72.1 58.6 87.8

206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 38.325 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141361.D

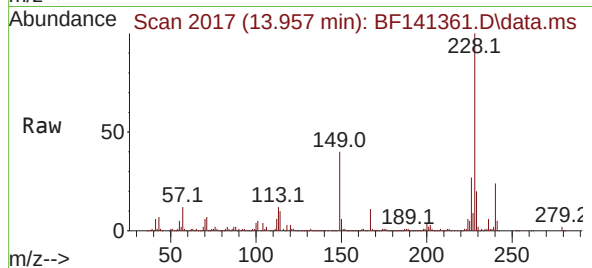
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:228 Resp: 64416

Ion Ratio Lower Upper

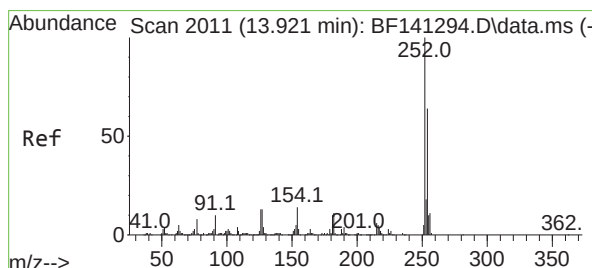
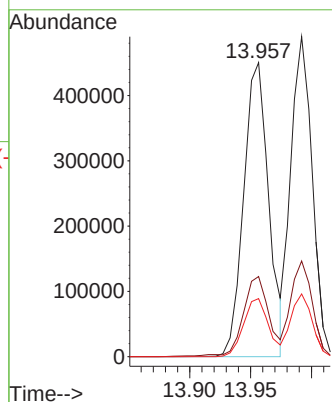
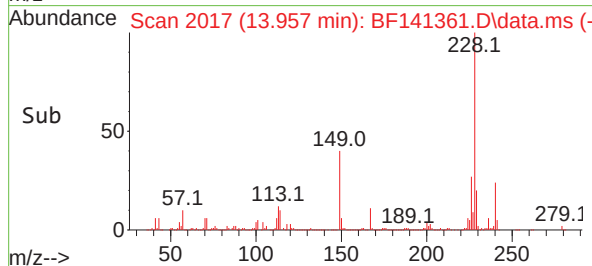
228 100

226 27.3 21.4 32.2

229 19.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#82

3,3'-Dichlorobenzidine

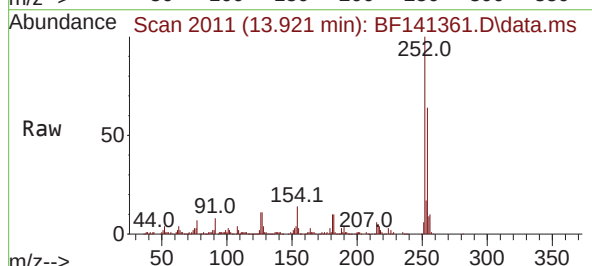
Concen: 39.687 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



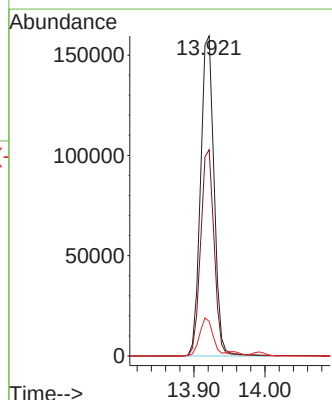
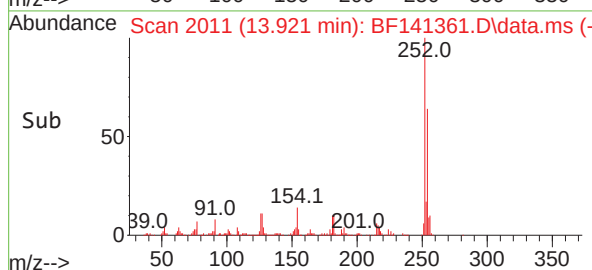
Tgt Ion:252 Resp: 212156

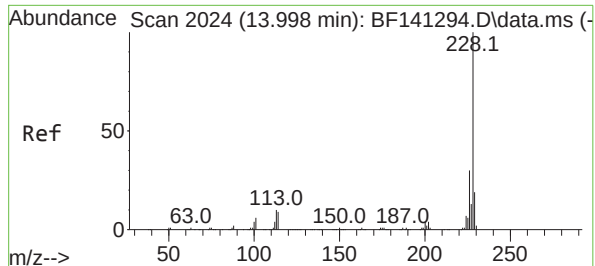
Ion Ratio Lower Upper

252 100

254 64.5 51.3 76.9

126 10.8 10.0 15.0





#83

Chrysene

Concen: 39.050 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 601529

Ion Ratio Lower Upper

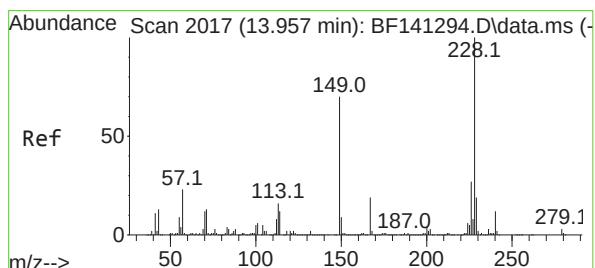
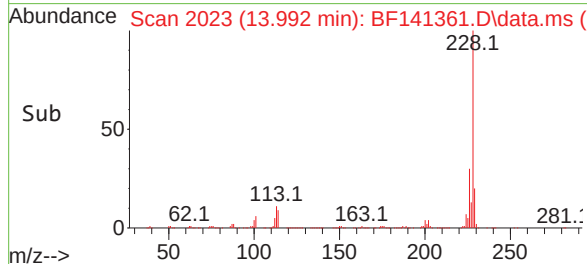
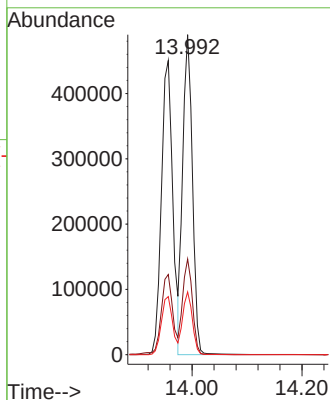
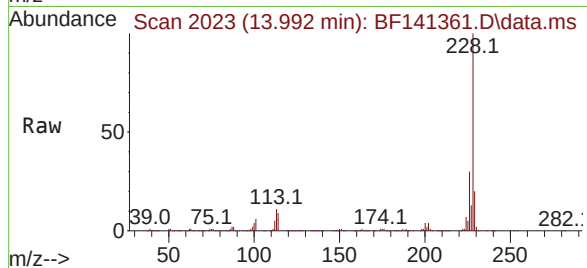
228 100

226 29.9 24.1 36.1

229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 42.145 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

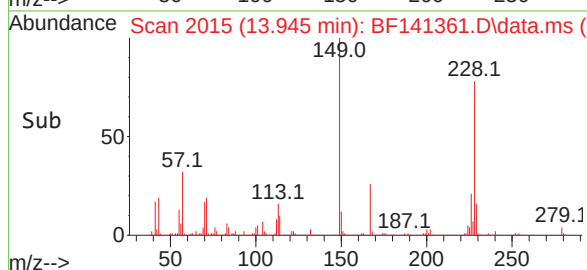
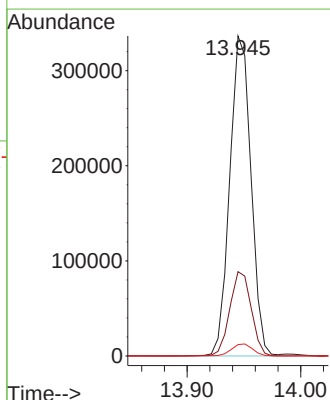
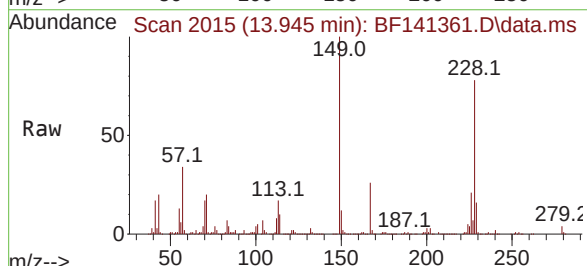
Tgt Ion:149 Resp: 436692

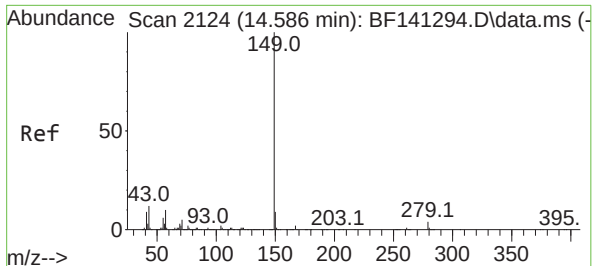
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

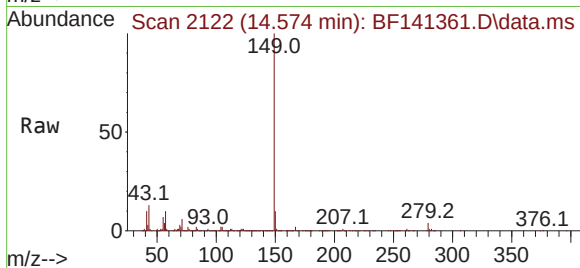
279 3.6 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 44.516 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

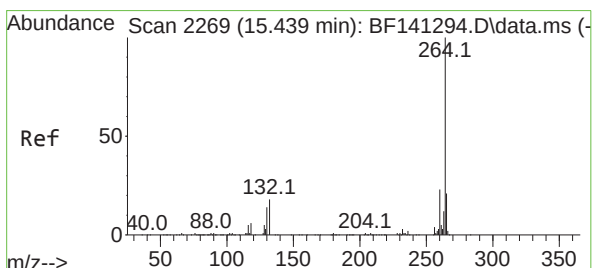
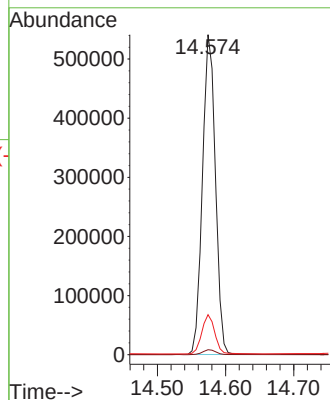
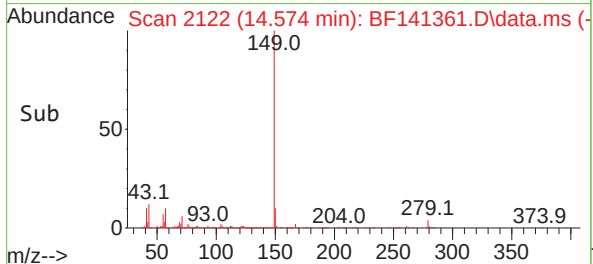
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 716424
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.2 9.8 14.8

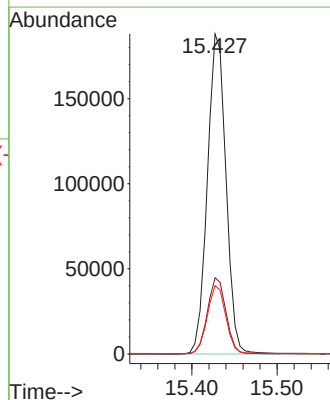
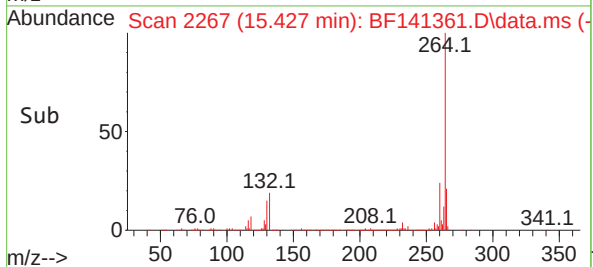
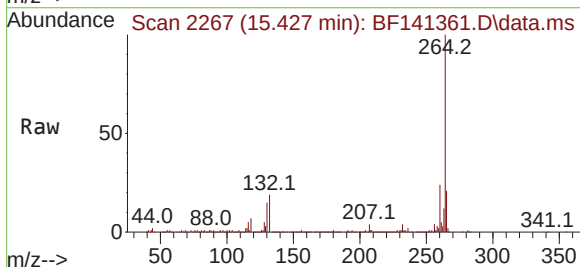
Manual Integrations
APPROVED

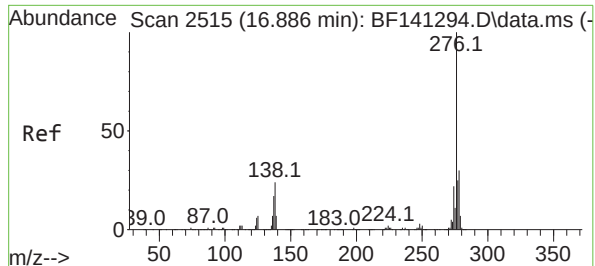
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:264 Resp: 284769
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.334 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.024 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 79646

Ion Ratio Lower Upper

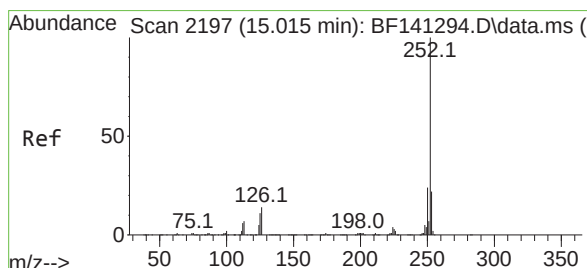
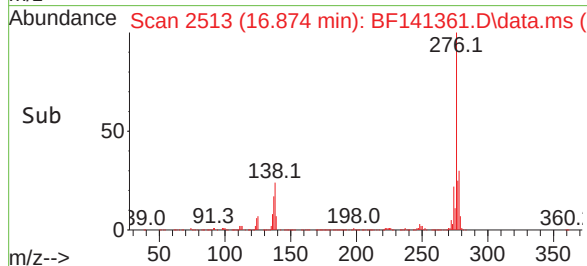
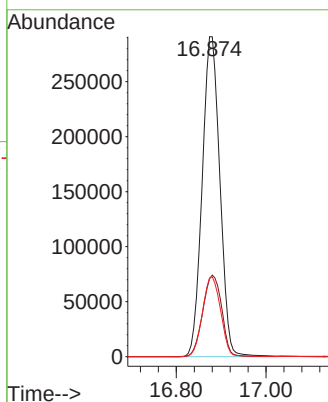
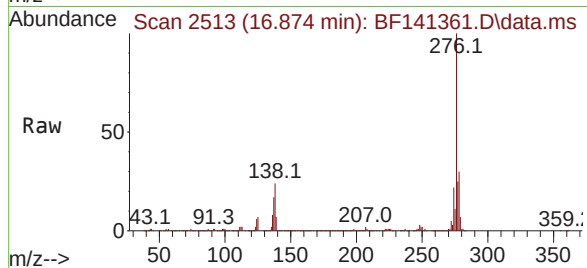
276 100

138 27.2 21.7 32.5

277 25.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#88

Benzo(b)fluoranthene

Concen: 44.175 ng

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

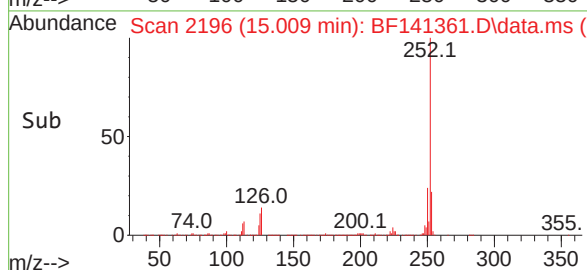
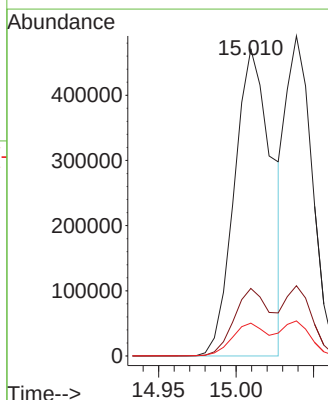
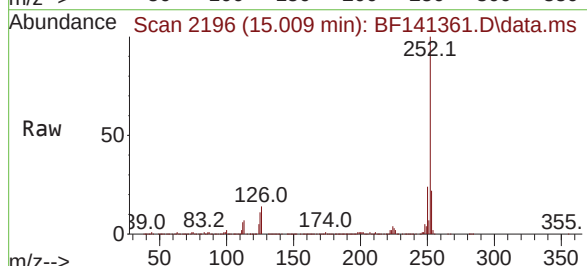
Tgt Ion:252 Resp: 791291

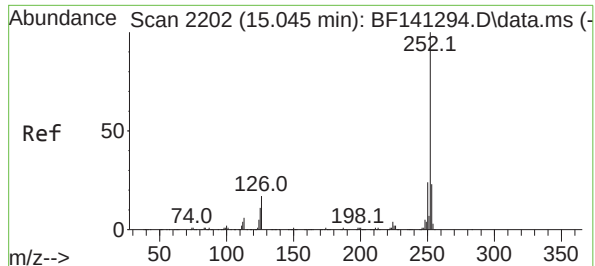
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 36.950 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 58634

Ion Ratio Lower Upper

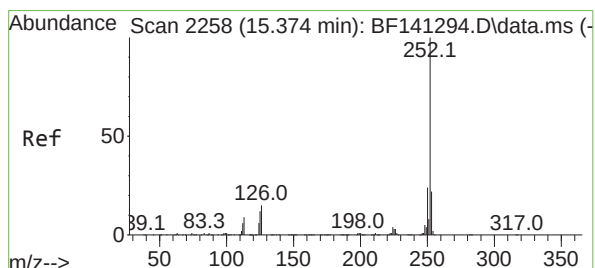
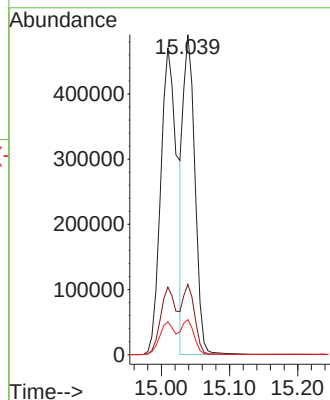
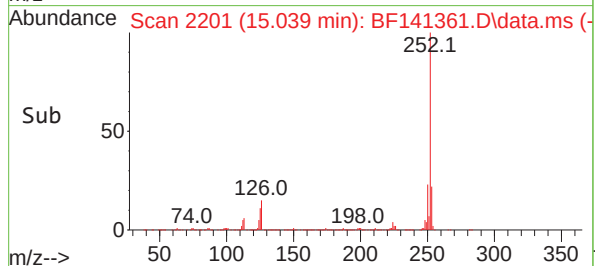
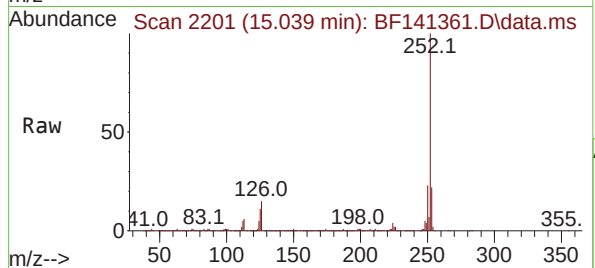
252 100

253 21.9 17.6 26.4

125 10.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#90

Benzo(a)pyrene

Concen: 41.504 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

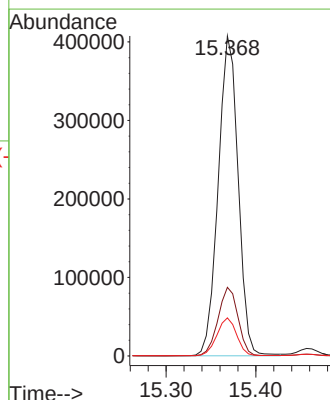
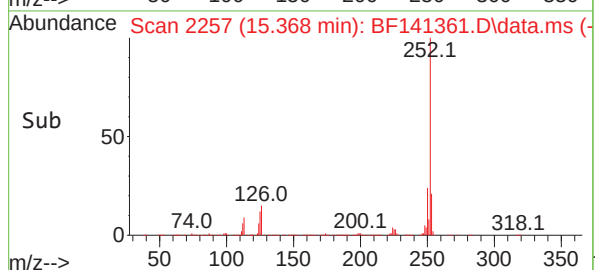
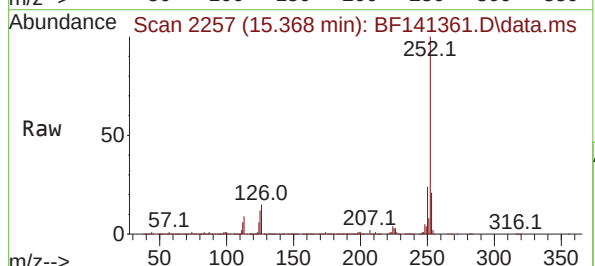
Tgt Ion:252 Resp: 628247

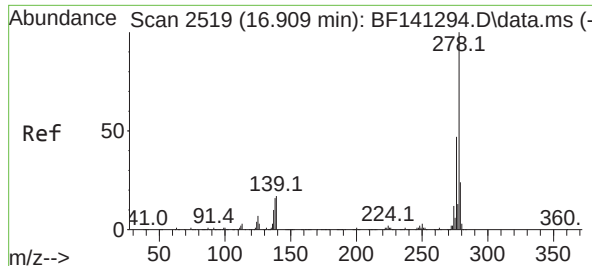
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.9 9.4 14.2





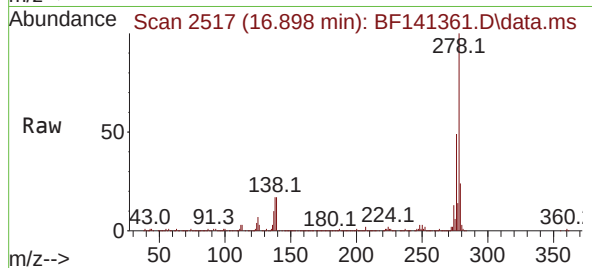
#91
Dibenzo(a,h)anthracene
Concen: 43.298 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

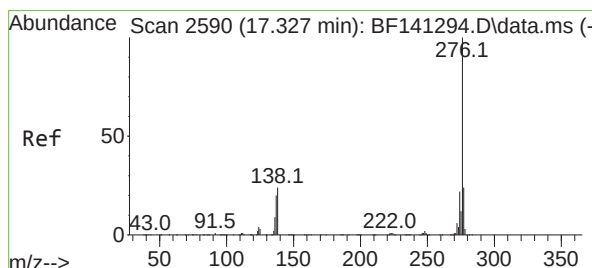
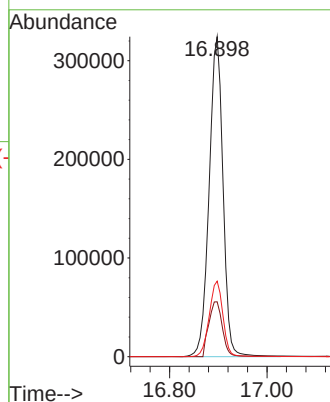
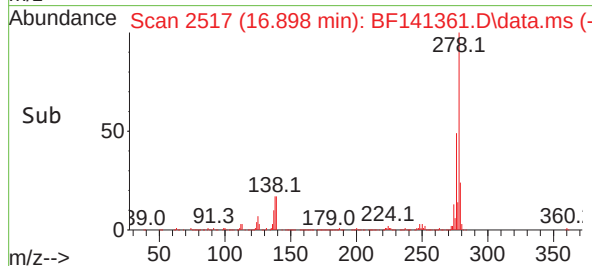
SSTDCCC040



Tgt Ion:278 Resp: 64025
Ion Ratio Lower Upper
278 100
139 17.2 13.9 20.9
279 23.6 18.8 28.2

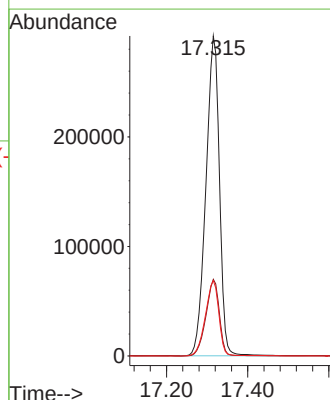
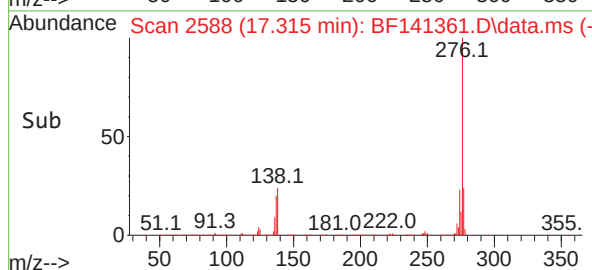
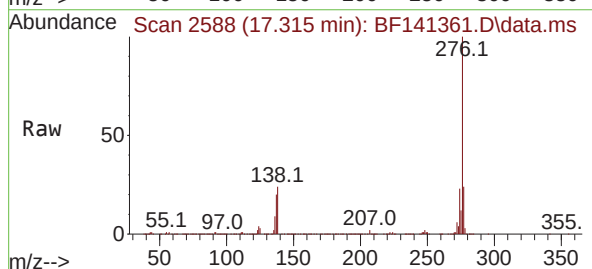
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 43.768 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:276 Resp: 672962
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	69	0.00
2	1,4-Dioxane	0.573	0.630	-9.9	81	-0.02
3	Pyridine	1.380	1.326	3.9	69	-0.02
4	n-Nitrosodimethylamine	0.789	0.841	-6.6	77	-0.04
5 S	2-Fluorophenol	1.303	1.313	-0.8	75	0.00
6	Aniline	1.403	1.302	7.2	66	-0.01
7 S	Phenol-d6	1.657	1.641	1.0	74	0.00
8	2-Chlorophenol	1.396	1.420	-1.7	75	0.00
9	Benzaldehyde	0.960	0.989	-3.0	76	0.00
10 C	Phenol	1.757	1.726	1.8	72	0.00
11	bis(2-Chloroethyl)ether	1.347	1.302	3.3	73	-0.01
12	1,3-Dichlorobenzene	1.540	1.572	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	1.547	1.568	-1.4	75	0.00
14	1,2-Dichlorobenzene	1.448	1.472	-1.7	76	0.00
15	Benzyl Alcohol	1.133	1.213	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.200	6.1	69	0.00
17	2-Methylphenol	1.135	1.098	3.3	72	0.00
18	Hexachloroethane	0.571	0.590	-3.3	77	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.973	1.2	75	-0.02
20	3+4-Methylphenols	1.393	1.446	-3.8	77	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22	Acetophenone	0.475	0.501	-5.5	78	-0.01
23 S	Nitrobenzene-d5	0.379	0.397	-4.7	76	0.00
24	Nitrobenzene	0.393	0.407	-3.6	74	-0.01
25	Isophorone	0.656	0.653	0.5	73	-0.01
26 C	2-Nitrophenol	0.185	0.192	-3.8	74	0.00
27	2,4-Dimethylphenol	0.236	0.234	0.8	71	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.414	1.0	72	-0.01
29 C	2,4-Dichlorophenol	0.289	0.297	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	75	0.00
31	Naphthalene	1.057	1.079	-2.1	75	0.00
32	Benzoic acid	0.217	0.227	-4.6	70	-0.02
33	4-Chloroaniline	0.358	0.348	2.8	70	0.00
34 C	Hexachlorobutadiene	0.194	0.207	-6.7	79	0.00
35	Caprolactam	0.094	0.095	-1.1	72	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.324	-4.5	77	0.00
37	2-Methylnaphthalene	0.672	0.690	-2.7	75	0.00
38	1-Methylnaphthalene	0.660	0.672	-1.8	75	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.572	-0.5	75	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	75	0.00
42 S	2,4,6-Tribromophenol	0.183	0.200	-9.3	81	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.384	-3.2	74	0.00
44	2,4,5-Trichlorophenol	0.405	0.416	-2.7	77	0.00
45 S	2-Fluorobiphenyl	1.299	1.315	-1.2	78	0.00
46	1,1'-Biphenyl	1.560	1.548	0.8	75	0.00
47	2-Chloronaphthalene	1.216	1.208	0.7	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.392	-2.6	76	0.00
49	Acenaphthylene	1.702	1.699	0.2	75	0.00
50	Dimethylphthalate	1.351	1.368	-1.3	78	-0.01
51	2,6-Dinitrotoluene	0.314	0.315	-0.3	75	0.00
52 C	Acenaphthene	1.216	1.239	-1.9	77	0.00
53	3-Nitroaniline	0.307	0.322	-4.9	75	0.00
54 P	2,4-Dinitrophenol	0.146	0.163	-11.6	78	0.00
55	Dibenzofuran	1.627	1.650	-1.4	76	0.00
56 P	4-Nitrophenol	0.225	0.256	-13.8	80	0.02
57	2,4-Dinitrotoluene	0.406	0.426	-4.9	77	-0.01
58	Fluorene	1.262	1.311	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.342	-7.2	79	0.00
60	Diethylphthalate	1.310	1.343	-2.5	77	-0.01
61	4-Chlorophenyl-phenylether	0.617	0.635	-2.9	78	0.00
62	4-Nitroaniline	0.302	0.331	-9.6	80	-0.01
63	Azobenzene	1.311	1.313	-0.2	75	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.139	-17.8	81	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.658	-1.7	77	0.00
67	4-Bromophenyl-phenylether	0.224	0.234	-4.5	79	0.00
68	Hexachlorobenzene	0.238	0.249	-4.6	79	0.00
69	Atrazine	0.216	0.216	0.0	74	-0.01
70 C	Pentachlorophenol	0.139	0.152	-9.4	77	0.00
71	Phenanthrene	1.075	1.130	-5.1	80	0.00
72	Anthracene	1.053	1.117	-6.1	81	0.00
73	Carbazole	0.934	1.033	-10.6	84	0.00
74	Di-n-butylphthalate	1.132	1.220	-7.8	82	0.00
75 C	Fluoranthene	1.062	1.211	-14.0	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77	Benzidine	0.641	0.626	2.3	80	0.00
78	Pyrene	1.920	1.679	12.6	89	0.00
79 S	Terphenyl-d14	1.297	1.144	11.8	90	0.00
80	Butylbenzylphthalate	0.671	0.642	4.3	96	0.00
81	Benzo(a)anthracene	1.380	1.322	4.2	97	0.00
82	3,3'-Dichlorobenzidine	0.439	0.436	0.7	97	0.00
83	Chrysene	1.265	1.235	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.896	-5.3	107	-0.01
85 c	Di-n-octyl phthalate	1.321	1.471	-11.4	112	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	1.291	1.398	-8.3	113	-0.02
88	Benzo(b)fluoranthene	1.258	1.389	-10.4	126	-0.01
89	Benzo(k)fluoranthene	1.114	1.030	7.5	97	-0.01
90 C	Benzo(a)pyrene	1.063	1.103	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	1.039	1.124	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	1.080	1.182	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	69	0.00
2	1,4-Dioxane	40.000	44.012	-10.0	81	-0.02
3	Pyridine	40.000	38.431	3.9	69	-0.02
4	n-Nitrosodimethylamine	40.000	42.660	-6.6	77	-0.04
5 S	2-Fluorophenol	80.000	80.639	-0.8	75	0.00
6	Aniline	40.000	37.112	7.2	66	-0.01
7 S	Phenol-d6	80.000	79.215	1.0	74	0.00
8	2-Chlorophenol	40.000	40.687	-1.7	75	0.00
9	Benzaldehyde	40.000	41.190	-3.0	76	0.00
10 C	Phenol	40.000	39.294	1.8	72	0.00
11	bis(2-Chloroethyl)ether	40.000	38.659	3.4	73	-0.01
12	1,3-Dichlorobenzene	40.000	40.844	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	40.000	40.554	-1.4	75	0.00
14	1,2-Dichlorobenzene	40.000	40.649	-1.6	76	0.00
15	Benzyl Alcohol	40.000	42.844	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.563	6.1	69	0.00
17	2-Methylphenol	40.000	38.689	3.3	72	0.00
18	Hexachloroethane	40.000	41.383	-3.5	77	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.542	1.1	75	-0.02
20	3+4-Methylphenols	40.000	41.520	-3.8	77	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22	Acetophenone	40.000	42.153	-5.4	78	-0.01
23 S	Nitrobenzene-d5	80.000	83.781	-4.7	76	0.00
24	Nitrobenzene	40.000	41.381	-3.5	74	-0.01
25	Isophorone	40.000	39.825	0.4	73	-0.01
26 C	2-Nitrophenol	40.000	41.467	-3.7	74	0.00
27	2,4-Dimethylphenol	40.000	39.629	0.9	71	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.540	1.2	72	-0.01
29 C	2,4-Dichlorophenol	40.000	41.114	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	40.000	40.654	-1.6	75	0.00
31	Naphthalene	40.000	40.850	-2.1	75	0.00
32	Benzoic acid	40.000	41.864	-4.7	70	-0.02
33	4-Chloroaniline	40.000	38.830	2.9	70	0.00
34 C	Hexachlorobutadiene	40.000	42.830	-7.1	79	0.00
35	Caprolactam	40.000	40.128	-0.3	72	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.805	-4.5	77	0.00
37	2-Methylnaphthalene	40.000	41.088	-2.7	75	0.00
38	1-Methylnaphthalene	40.000	40.770	-1.9	75	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.237	-0.6	75	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.983	-10.0	75	0.00
42 S	2,4,6-Tribromophenol	80.000	87.321	-9.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.248	-3.1	74	0.00
44	2,4,5-Trichlorophenol	40.000	41.031	-2.6	77	0.00
45 S	2-Fluorobiphenyl	80.000	80.940	-1.2	78	0.00
46	1,1'-Biphenyl	40.000	39.699	0.8	75	0.00
47	2-Chloronaphthalene	40.000	39.740	0.6	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	41.055	-2.6	76	0.00
49	Acenaphthylene	40.000	39.923	0.2	75	0.00
50	Dimethylphthalate	40.000	40.523	-1.3	78	-0.01
51	2,6-Dinitrotoluene	40.000	40.149	-0.4	75	0.00
52 C	Acenaphthene	40.000	40.755	-1.9	77	0.00
53	3-Nitroaniline	40.000	41.859	-4.6	75	0.00
54 P	2,4-Dinitrophenol	40.000	44.625	-11.6	78	0.00
55	Dibenzofuran	40.000	40.548	-1.4	76	0.00
56 P	4-Nitrophenol	40.000	45.471	-13.7	80	0.02
57	2,4-Dinitrotoluene	40.000	41.946	-4.9	77	-0.01
58	Fluorene	40.000	41.554	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.892	-7.2	79	0.00
60	Diethylphthalate	40.000	41.025	-2.6	77	-0.01
61	4-Chlorophenyl-phenylether	40.000	41.170	-2.9	78	0.00
62	4-Nitroaniline	40.000	43.865	-9.7	80	-0.01
63	Azobenzene	40.000	40.048	-0.1	75	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.869	-17.2	81	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.682	-1.7	77	0.00
67	4-Bromophenyl-phenylether	40.000	41.715	-4.3	79	0.00
68	Hexachlorobenzene	40.000	41.866	-4.7	79	0.00
69	Atrazine	40.000	39.975	0.1	74	-0.01
70 C	Pentachlorophenol	40.000	43.745	-9.4	77	0.00
71	Phenanthrene	40.000	42.056	-5.1	80	0.00
72	Anthracene	40.000	42.420	-6.1	81	0.00
73	Carbazole	40.000	44.227	-10.6	84	0.00
74	Di-n-butylphthalate	40.000	43.100	-7.8	82	0.00
75 C	Fluoranthene	40.000	45.626	-14.1	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77	Benzydine	40.000	39.082	2.3	80	0.00
78	Pyrene	40.000	34.986	12.5	89	0.00
79 S	Terphenyl-d14	80.000	70.570	11.8	90	0.00
80	Butylbenzylphthalate	40.000	38.308	4.2	96	0.00
81	Benzo(a)anthracene	40.000	38.325	4.2	97	0.00
82	3,3'-Dichlorobenzidine	40.000	39.687	0.8	97	0.00
83	Chrysene	40.000	39.050	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.145	-5.4	107	-0.01
85 c	Di-n-octyl phthalate	40.000	44.516	-11.3	112	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.334	-8.3	113	-0.02
88	Benzo(b)fluoranthene	40.000	44.175	-10.4	126	-0.01
89	Benzo(k)fluoranthene	40.000	36.950	7.6	97	-0.01
90 C	Benzo(a)pyrene	40.000	41.504	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	40.000	43.298	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	40.000	43.768	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.232		-10.7	
2-Fluorophenol	1.303	1.302		-0.1	
Phenol-d6	1.657	1.598		-3.6	
1,4-Dichlorobenzene	1.547	1.570		1.5	20.0
2-Methylphenol	1.135	1.109		-2.3	
3+4-Methylphenols	1.393	1.420		1.9	
Nitrobenzene-d5	0.379	0.382		0.8	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.389		-1.0	
Hexachlorobutadiene	0.194	0.204		5.2	20.0
2,4,6-Trichlorophenol	0.372	0.380		2.2	20.0
2-Fluorobiphenyl	1.299	1.292		-0.5	
2,4,5-Trichlorophenol	0.405	0.413		2.0	
2,4-Dinitrotoluene	0.406	0.423		4.2	
2,4,6-Tribromophenol	0.183	0.194		6.0	
Hexachlorobenzene	0.238	0.244		2.5	
Pentachlorophenol	0.139	0.157		12.9	20.0
Terphenyl-d14	1.297	1.274		-1.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	104167	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	414412	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	226326	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	383558	20.000	ng	0.00
76) Chrysene-d12	13.963	240	233911	20.000	ng	-0.01
86) Perylene-d12	15.415	264	231577	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	542601	79.968	ng	0.00
7) Phenol-d6	6.439	99	665791	77.133	ng	0.00
23) Nitrobenzene-d5	7.363	82	632818	80.499	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	175756	84.706	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1169231	79.517	ng	0.00
79) Terphenyl-d14	12.910	244	1192221	78.604	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	121152	40.599	ng	100
3) Pyridine	3.210	79	256725	35.706	ng	99
4) n-Nitrosodimethylamine	3.163	42	171120	41.662	ng	93
6) Aniline	6.457	93	214496	29.356	ng	# 6
8) 2-Chlorophenol	6.587	128	289746	39.841	ng	97
9) Benzaldehyde	6.345	77	216223	43.247	ng	99
10) Phenol	6.451	94	352818	38.559	ng	79
11) bis(2-Chloroethyl)ether	6.534	93	272822	38.887	ng	100
12) 1,3-Dichlorobenzene	6.734	146	319939	39.899	ng	100
13) 1,4-Dichlorobenzene	6.816	146	327100	40.605	ng	99
14) 1,2-Dichlorobenzene	6.969	146	306404	40.620	ng	99
15) Benzyl Alcohol	6.939	79	249700	42.330	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	456565	37.424	ng	76
17) 2-Methylphenol	7.063	107	231097	39.098	ng	# 91
18) Hexachloroethane	7.310	117	122966	41.378	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	204348	39.842	ng	99
20) 3+4-Methylphenols	7.210	107	295742	40.751	ng	96
22) Acetophenone	7.204	105	403113	40.923	ng	# 97
24) Nitrobenzene	7.381	77	322702	39.612	ng	98
25) Isophorone	7.616	82	541055	39.816	ng	99
26) 2-Nitrophenol	7.692	139	155896	40.576	ng	96
27) 2,4-Dimethylphenol	7.739	122	196433m	40.168	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	338131	39.010	ng	99
29) 2,4-Dichlorophenol	7.945	162	242512	40.508	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	271821	39.757	ng	100
31) Naphthalene	8.098	128	867292	39.616	ng	100
32) Benzoic acid	7.857	122	193009	42.934	ng	98
33) 4-Chloroaniline	8.151	127	242580	32.676	ng	99
34) Hexachlorobutadiene	8.216	225	168912	42.128	ng	99
35) Caprolactam	8.516	113	79702	40.764	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	263711	41.066	ng	96
37) 2-Methylnaphthalene	8.792	142	556906	40.024	ng	99
38) 1-Methylnaphthalene	8.886	142	547195	40.034	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	258626	40.167	ng	100
41) Hexachlorocyclopentadiene	8.939	237	83996	44.173	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	171810	40.768	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	186902	40.747	ng	100
46) 1,1'-Biphenyl	9.257	154	695314	39.393	ng	99
47) 2-Chloronaphthalene	9.280	162	541319	39.346	ng	99
48) 2-Nitroaniline	9.375	65	175746	40.613	ng	96
49) Acenaphthylene	9.692	152	761884	39.561	ng	100
50) Dimethylphthalate	9.557	163	614225	40.182	ng	99
51) 2,6-Dinitrotoluene	9.622	165	142423	40.128	ng	100
52) Acenaphthene	9.869	154	554750	40.321	ng	99
53) 3-Nitroaniline	9.786	138	140545	40.403	ng	98
54) 2,4-Dinitrophenol	9.892	184	76994	46.667	ng	91
55) Dibenzofuran	10.039	168	727950	39.528	ng	98
56) 4-Nitrophenol	9.969	139	106562	41.887	ng	94
57) 2,4-Dinitrotoluene	10.022	165	191425	41.657	ng	97
58) Fluorene	10.380	166	581931	40.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	152033	42.131	ng	98
60) Diethylphthalate	10.257	149	609242	41.105	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	280983	40.268	ng	97
62) 4-Nitroaniline	10.404	138	147941	43.258	ng	96
63) Azobenzene	10.533	77	585808	39.486	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	107093	47.204	ng	97
66) n-Nitrosodiphenylamine	10.492	169	492539	39.703	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	179324	41.761	ng	98
68) Hexachlorobenzene	10.927	284	186820	41.015	ng	98
69) Atrazine	11.022	200	166008	40.023	ng	99
70) Pentachlorophenol	11.127	266	120209	45.068	ng	98
71) Phenanthrene	11.345	178	840073	40.745	ng	100
72) Anthracene	11.398	178	829686	41.070	ng	100
73) Carbazole	11.551	167	749638	41.848	ng	99
74) Di-n-butylphthalate	11.886	149	917962	42.285	ng	100
75) Fluoranthene	12.533	202	861847	42.335	ng	98
77) Benzidine	12.657	184	219025	29.208	ng	99
78) Pyrene	12.763	202	860076	38.305	ng	100
80) Butylbenzylphthalate	13.380	149	328897	41.929	ng	99
81) Benzo(a)anthracene	13.951	228	604276	37.437	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	198361	38.639	ng	99
83) Chrysene	13.986	228	580099	39.215	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436237	43.840	ng	99
85) Di-n-octyl phthalate	14.562	149	689323	44.601	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	626825	41.938	ng	98
88) Benzo(b)fluoranthene	14.998	252	571343	39.222	ng	99
89) Benzo(k)fluoranthene	15.027	252	534749	41.439	ng	99
90) Benzo(a)pyrene	15.357	252	503731	40.922	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	510363	42.442	ng	98
92) Benzo(g,h,i)perylene	17.298	276	518300	41.452	ng	98

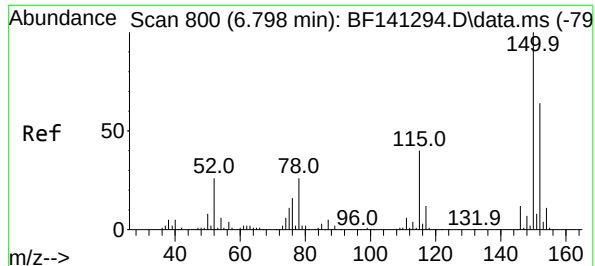
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





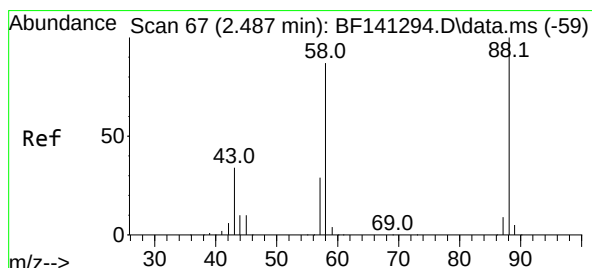
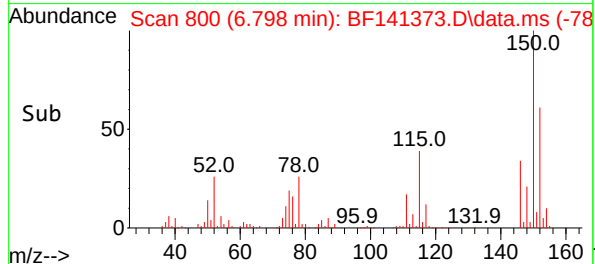
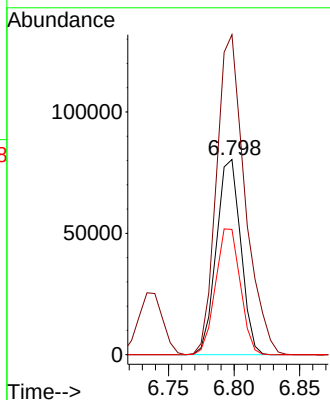
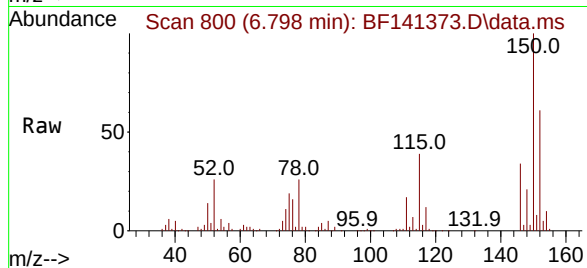
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 10416
Ion Ratio Lower Upper
152 100
150 163.9 125.9 188.9
115 64.2 49.7 74.5

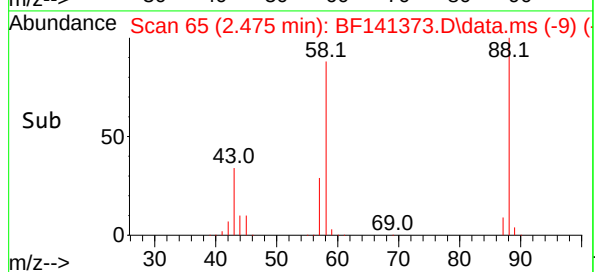
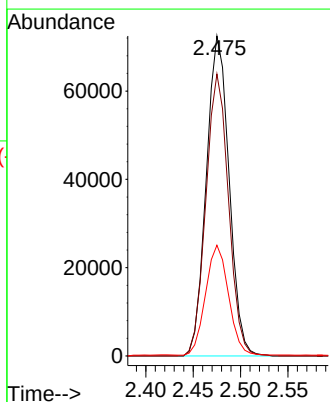
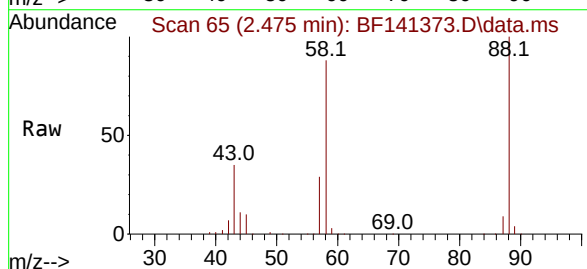
Manual Integrations
APPROVED

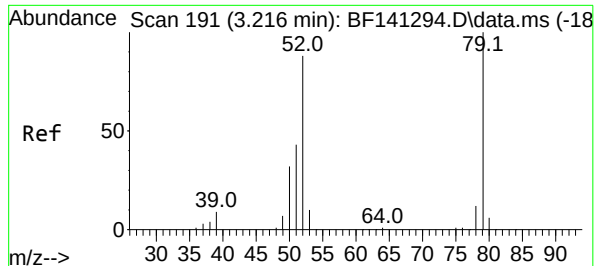
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 40.599 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

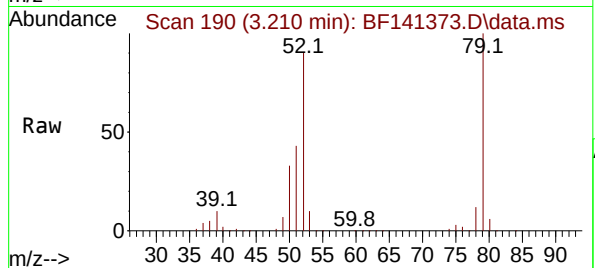
Tgt Ion: 88 Resp: 121152
Ion Ratio Lower Upper
88 100
58 87.5 70.2 105.4
43 34.6 27.6 41.4





#3
Pyridine
Concen: 35.706 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

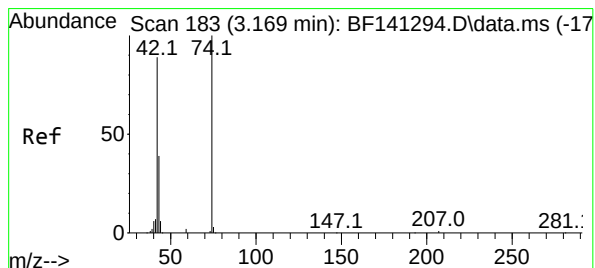
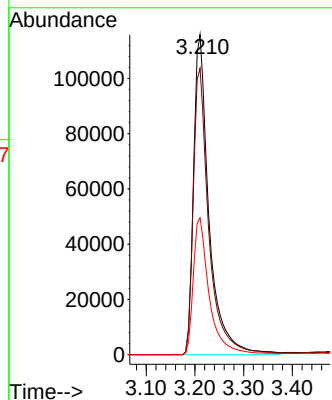
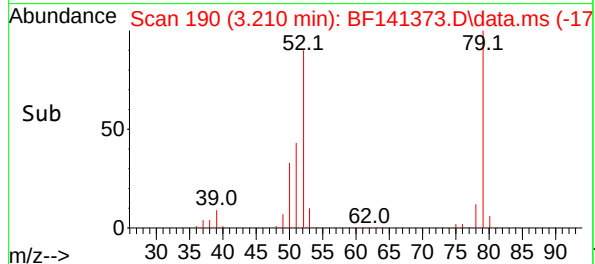
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



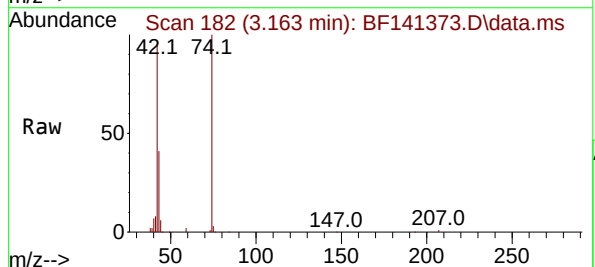
Tgt Ion: 79 Resp: 25672
Ion Ratio Lower Upper
79 100
52 89.5 70.3 105.5
51 42.8 34.3 51.5

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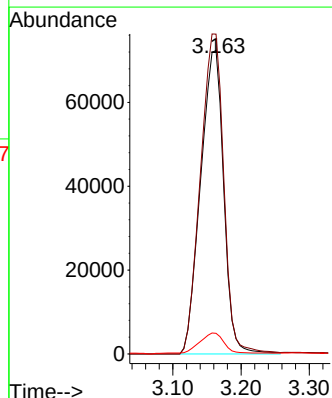
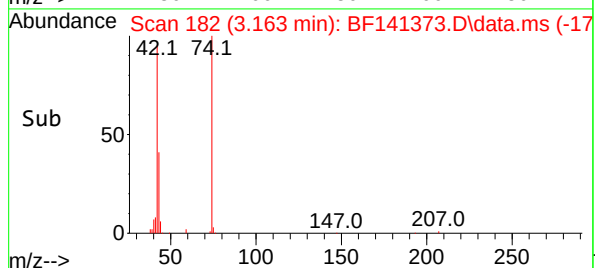
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

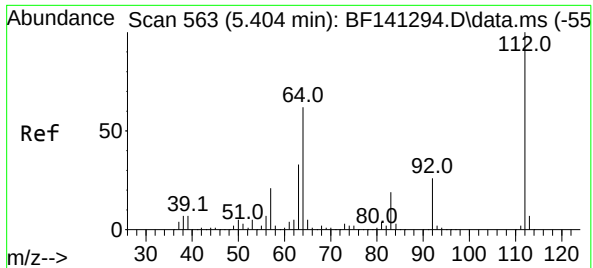


#4
n-Nitrosodimethylamine
Concen: 41.662 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion: 42 Resp: 171120
Ion Ratio Lower Upper
42 100
74 105.3 90.3 135.5
44 6.8 5.7 8.5





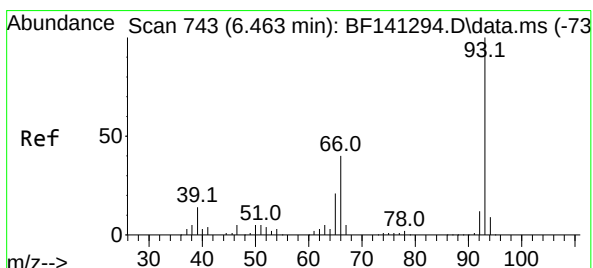
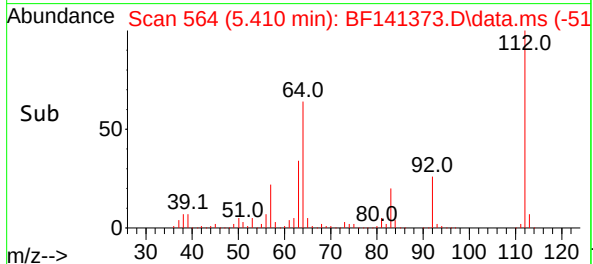
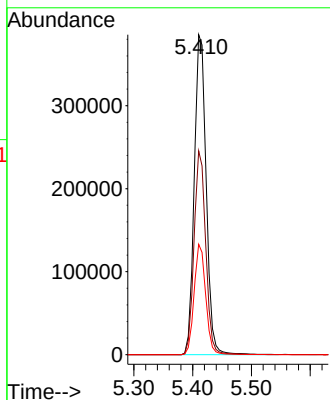
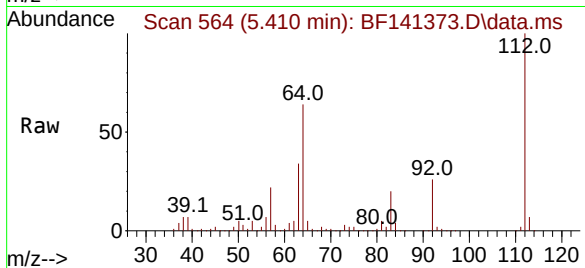
#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.410 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 54260
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 34.5 26.1 39.1

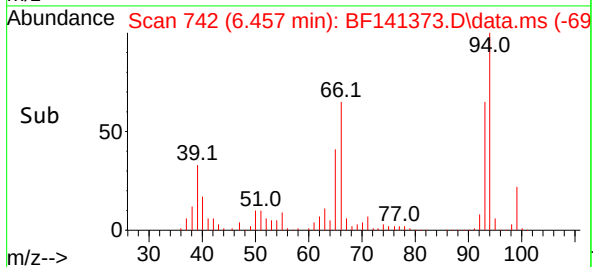
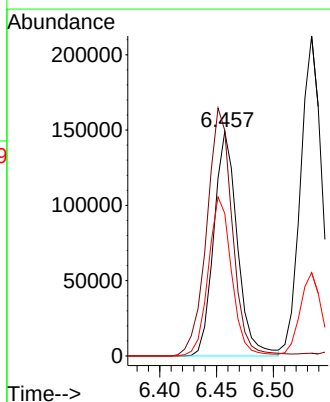
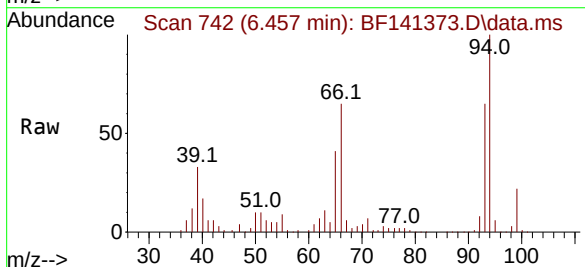
Manual Integrations
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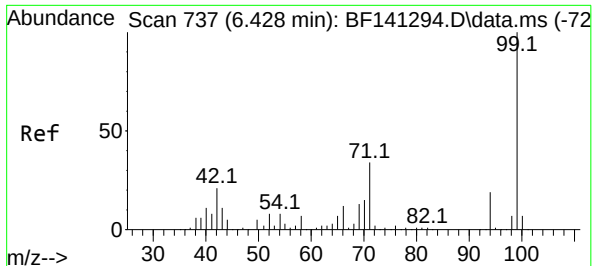
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 29.356 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

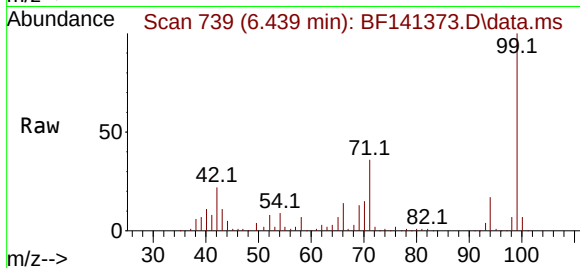
Tgt Ion: 93 Resp: 214496
Ion Ratio Lower Upper
93 100
66 100.5 32.5 48.7#
65 63.5 17.0 25.6#





#7
Phenol-d6
Concen: 77.133 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

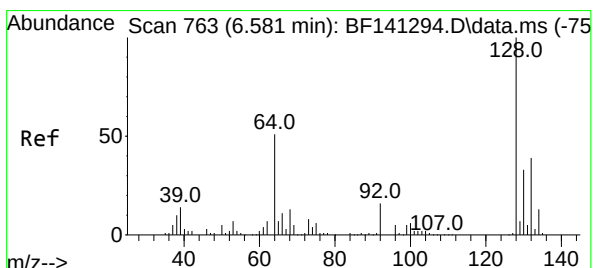
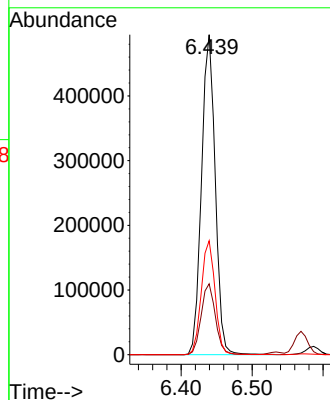
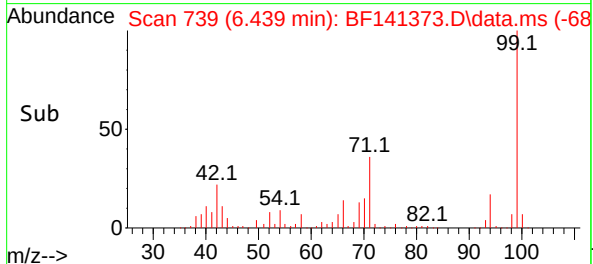
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 66579
Ion Ratio Lower Upper
99 100
42 22.1 17.1 25.7
71 35.6 26.9 40.3

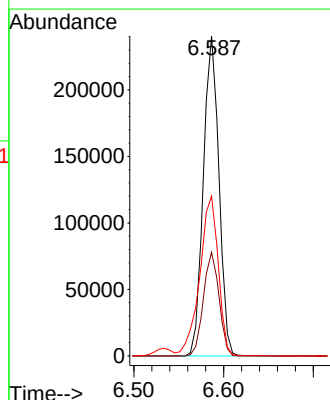
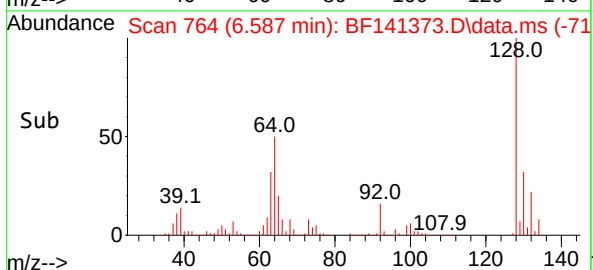
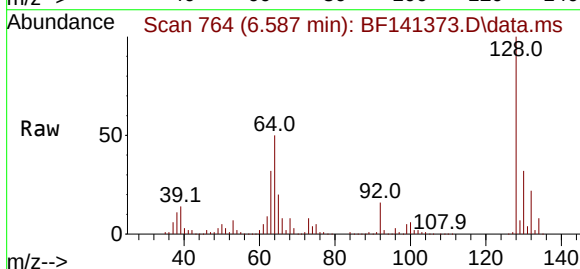
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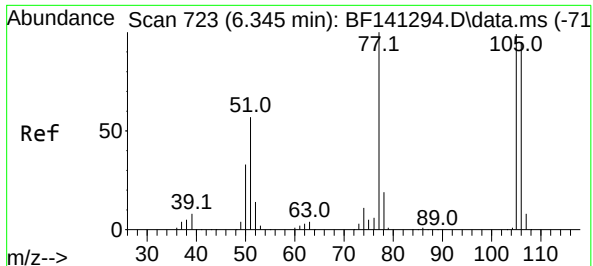
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 39.841 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

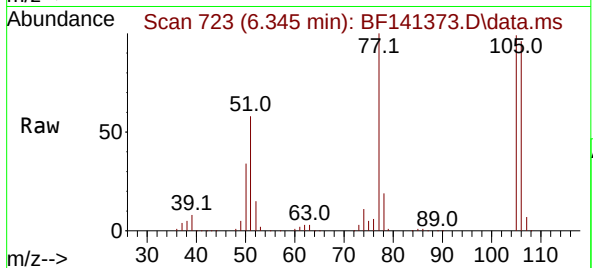
Tgt Ion:128 Resp: 289746
Ion Ratio Lower Upper
128 100
130 32.4 12.5 52.5
64 50.0 32.9 72.9





#9
Benzaldehyde
Concen: 43.247 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

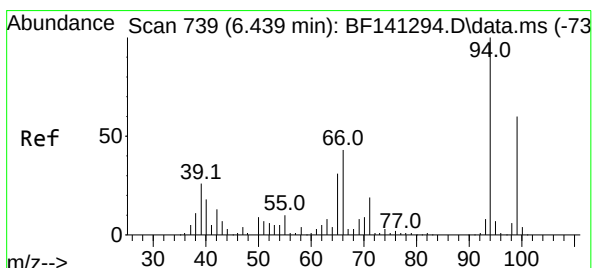
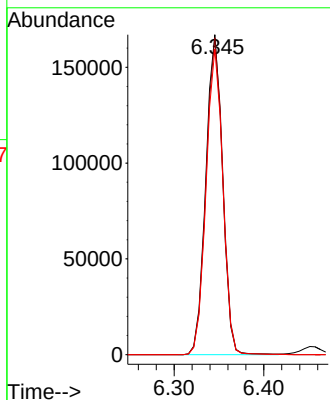
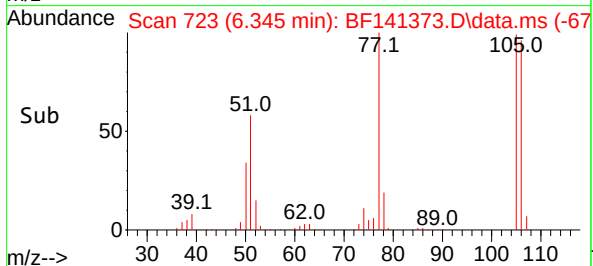
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 21622
Ion Ratio Lower Upper
77 100
105 99.0 79.4 119.4
106 95.5 74.6 114.6

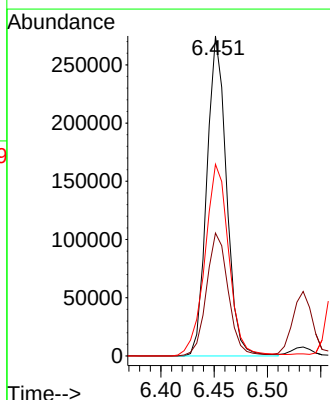
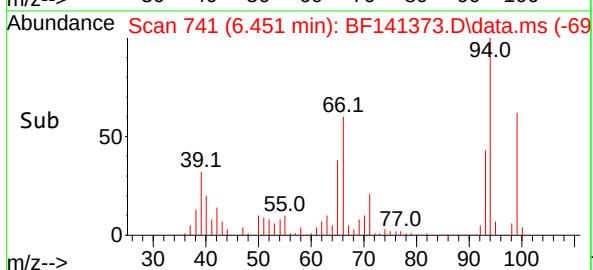
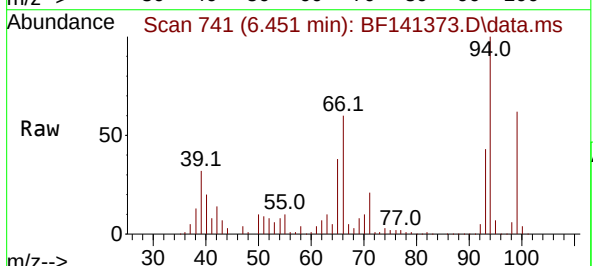
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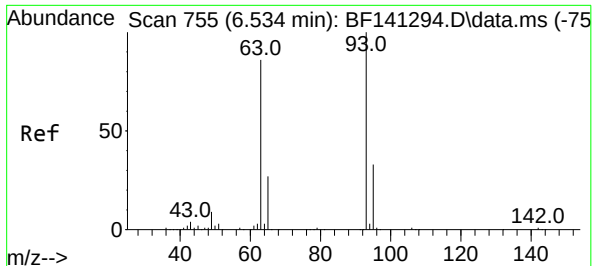
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 38.559 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 94 Resp: 352818
Ion Ratio Lower Upper
94 100
65 38.4 10.8 50.8
66 59.9 23.3 63.3





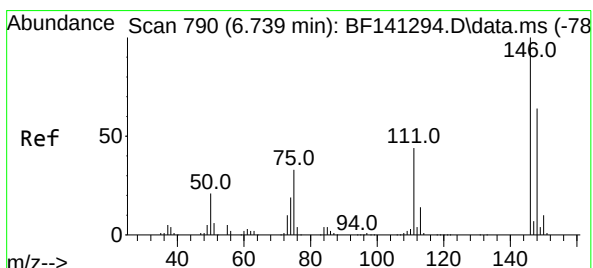
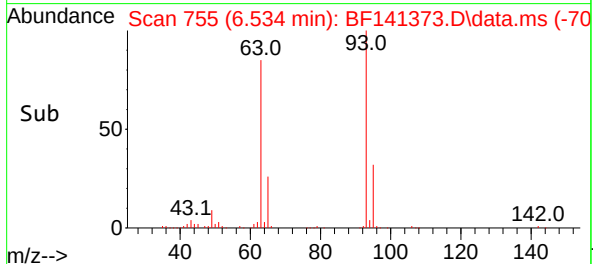
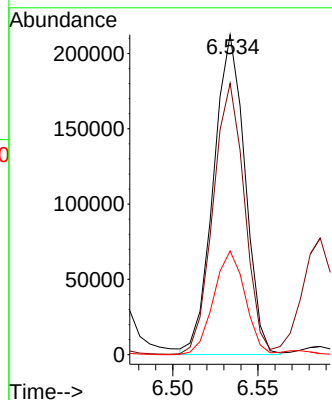
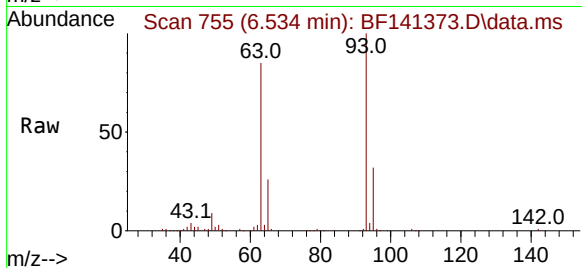
#11
bis(2-Chloroethyl)ether
Concen: 38.887 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 27282
Ion Ratio Lower Upper
93 100
63 84.8 65.0 105.0
95 32.4 12.4 52.4

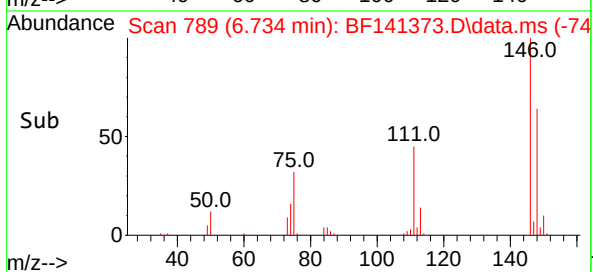
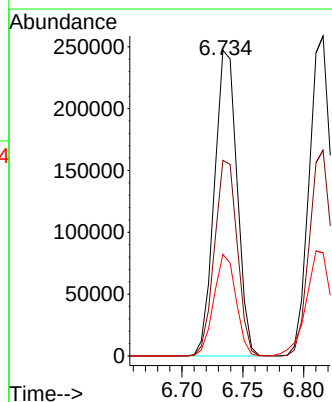
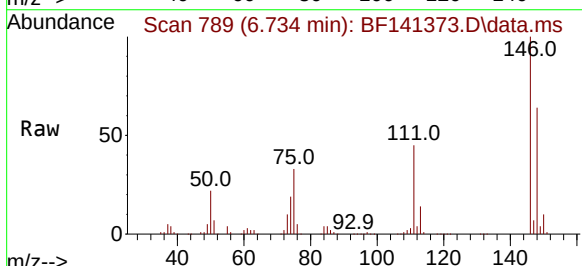
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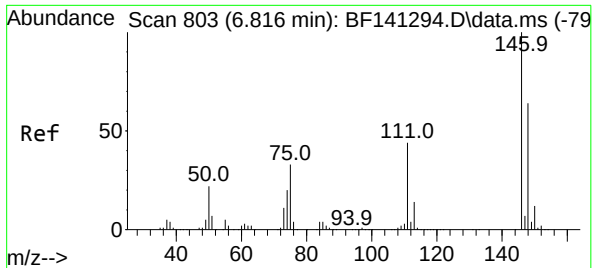
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 39.899 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 319939
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 33.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.605 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 327100

Ion Ratio Lower Upper

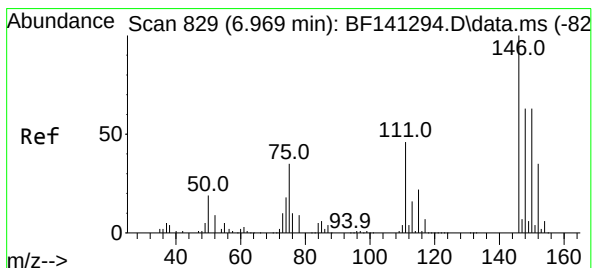
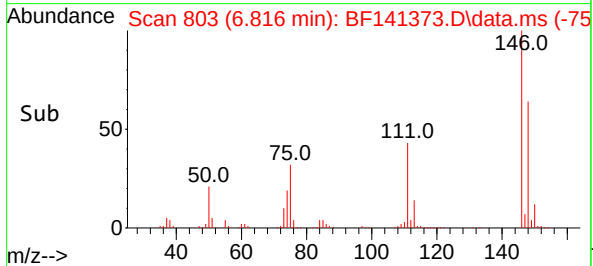
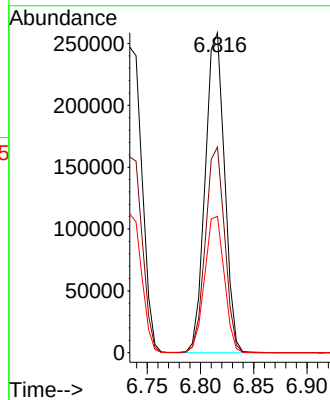
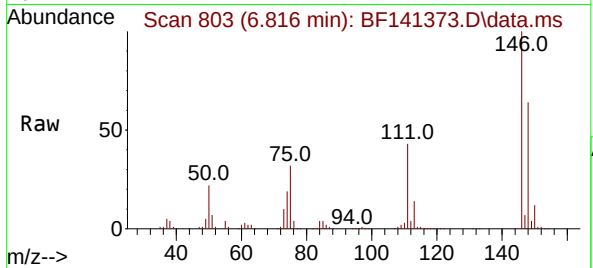
146 100

148 64.3 51.2 76.8

111 42.6 35.0 52.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#14

1,2-Dichlorobenzene

Concen: 40.620 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

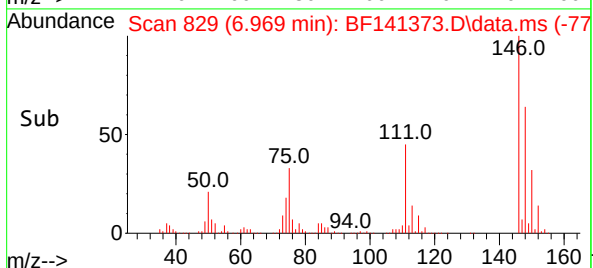
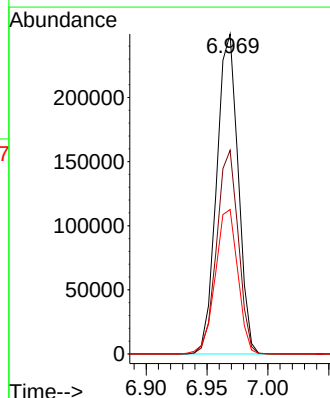
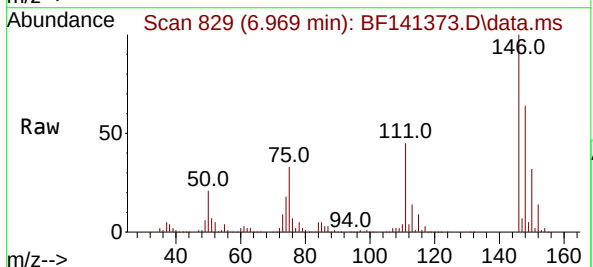
Tgt Ion:146 Resp: 306404

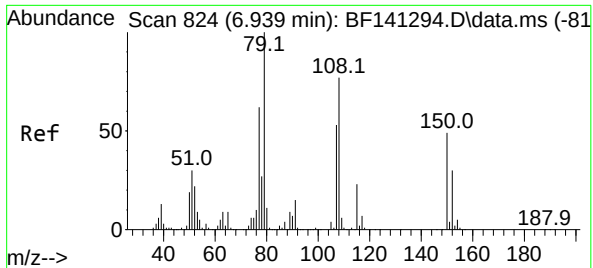
Ion Ratio Lower Upper

146 100

148 63.6 50.5 75.7

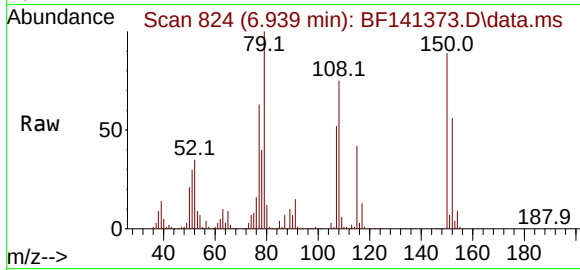
111 45.2 36.6 55.0





#15
Benzyl Alcohol
Concen: 42.330 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

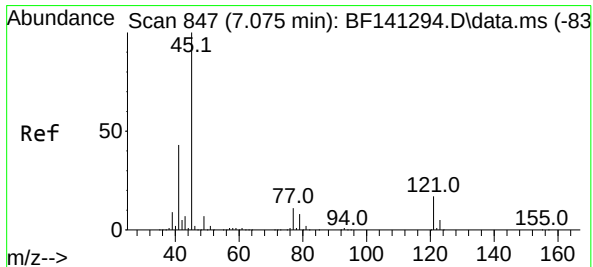
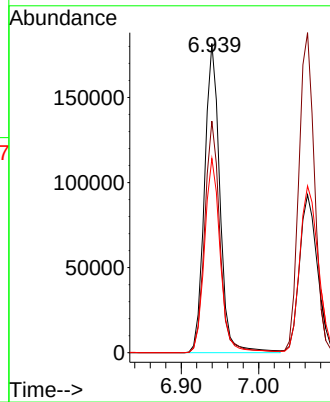
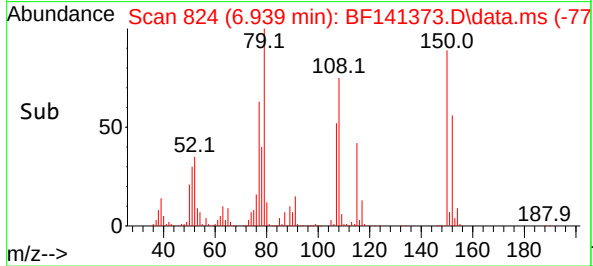
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 249700
Ion Ratio Lower Upper
79 100
108 74.9 61.4 92.0
77 62.9 49.9 74.9

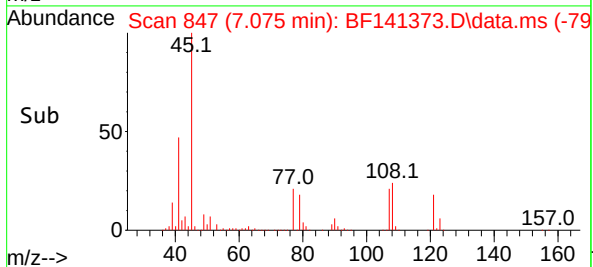
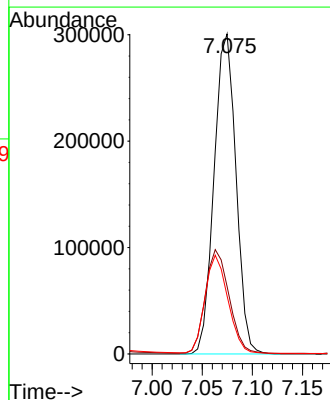
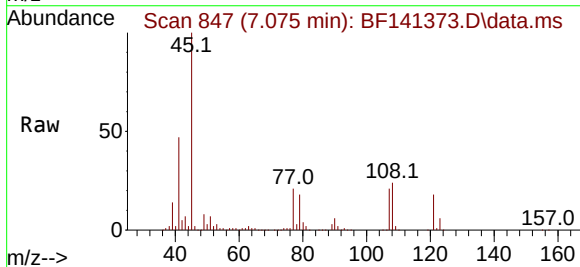
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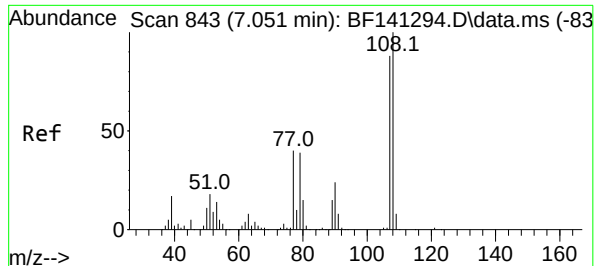
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.424 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 45 Resp: 456565
Ion Ratio Lower Upper
45 100
77 21.1 0.0 31.8
79 18.1 0.0 29.1





#17

2-Methylphenol

Concen: 39.098 ng

RT: 7.063 min Scan# 843

Delta R.T. 0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

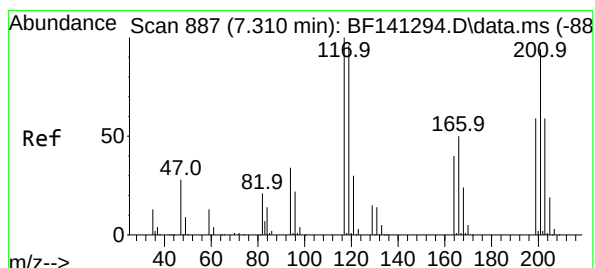
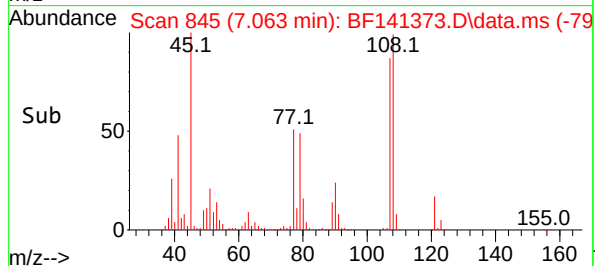
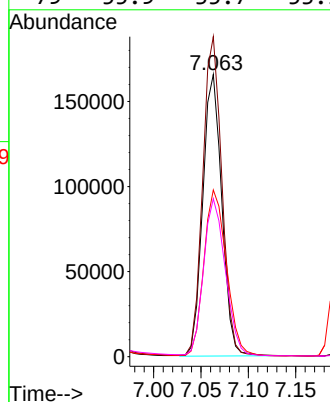
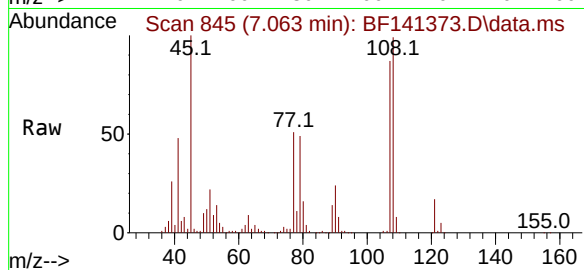
SSTDCCC040

Tgt Ion:	107	Resp:	23109
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	59.1	36.2	54.4
79	55.9	35.7	53.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#18

Hexachloroethane

Concen: 41.378 ng

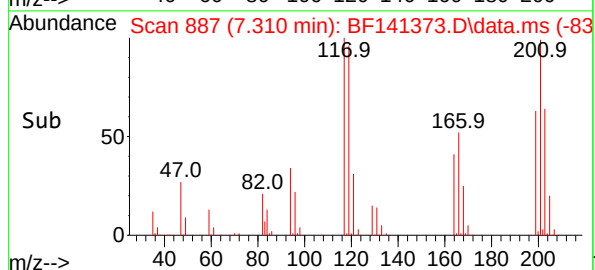
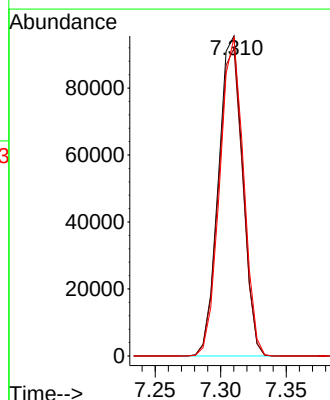
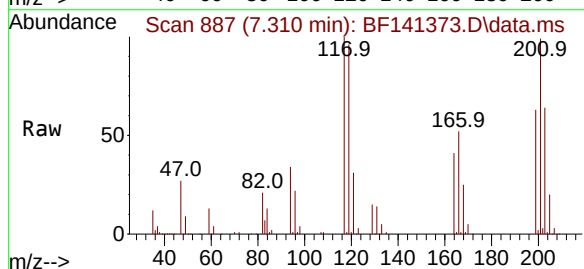
RT: 7.310 min Scan# 887

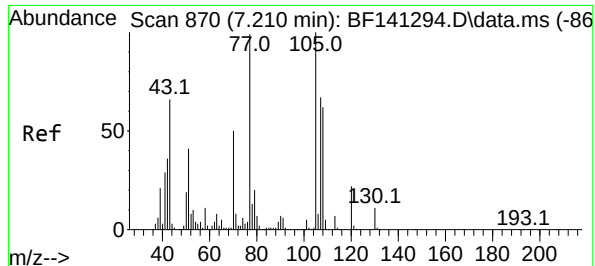
Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:	117	Resp:	122966
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	99.4	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.842 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 20434

Ion Ratio Lower Upper

70 100

42 69.6 56.8 85.2

101 9.8 7.7 11.5

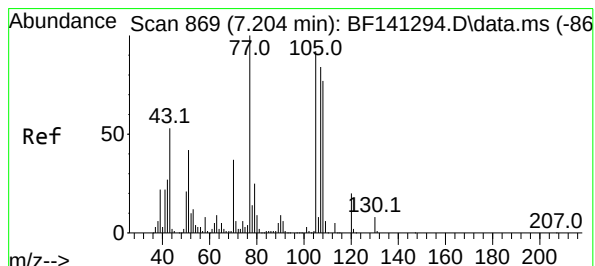
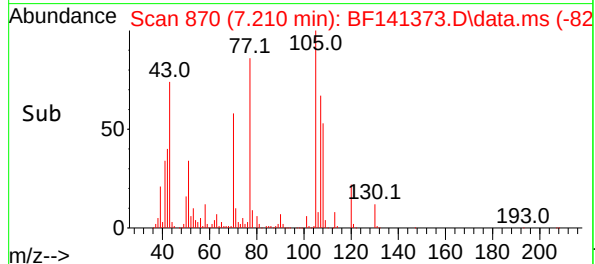
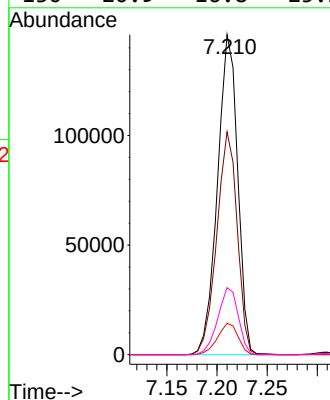
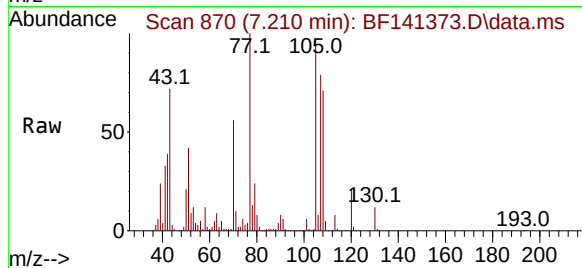
130 20.9 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 40.751 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 295742

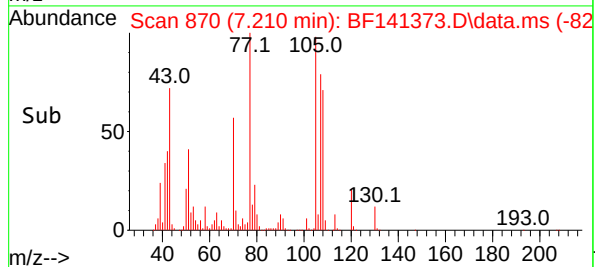
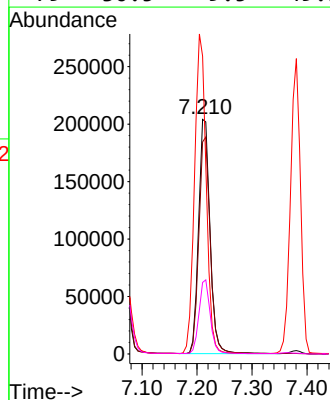
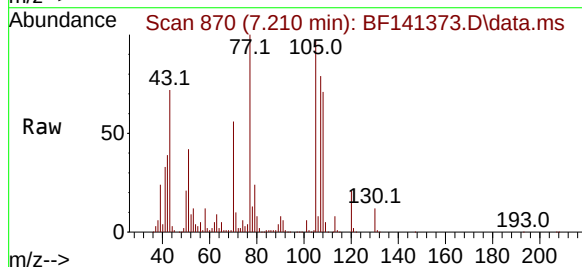
Ion Ratio Lower Upper

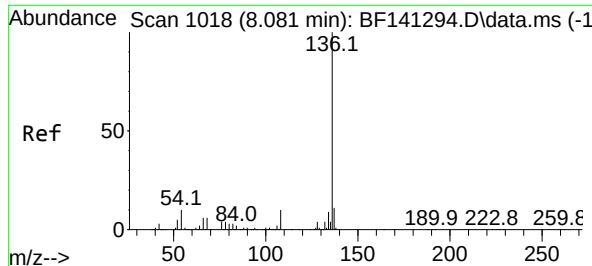
107 100

108 90.3 70.9 110.9

77 126.9 98.5 138.5

79 30.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141373.D

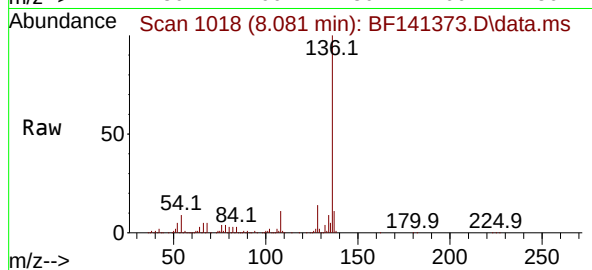
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 41441

Ion Ratio Lower Upper

136 100

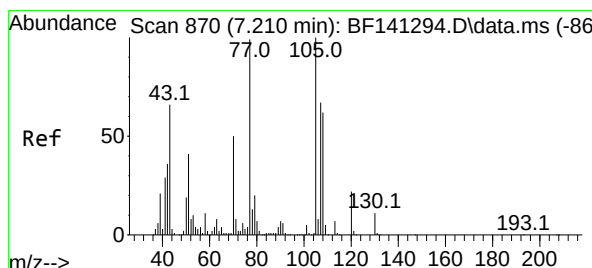
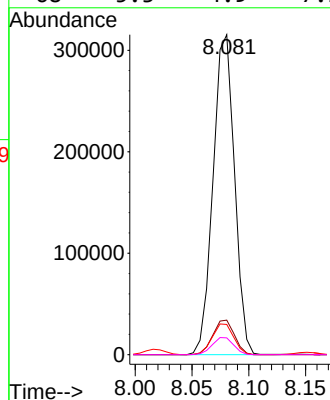
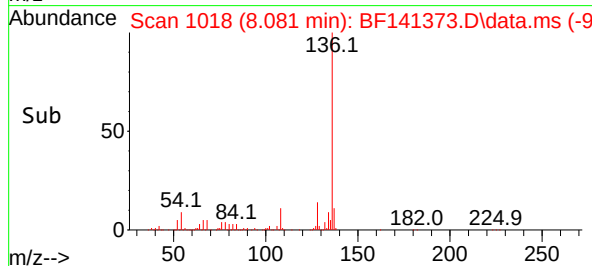
137 10.8 8.6 13.0

54 9.5 7.8 11.8

68 5.3 4.9 7.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
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#22

Acetophenone

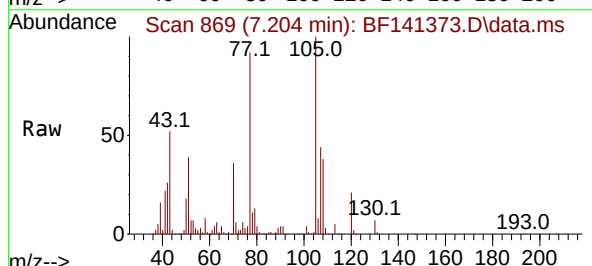
Concen: 40.923 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14



Tgt Ion:105 Resp: 403113

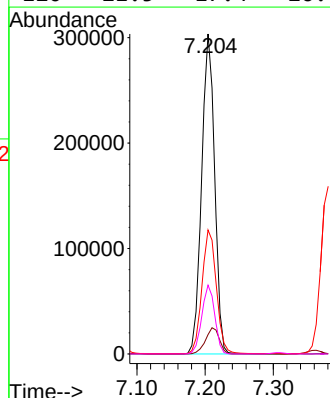
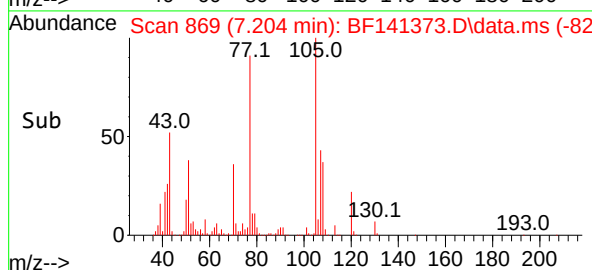
Ion Ratio Lower Upper

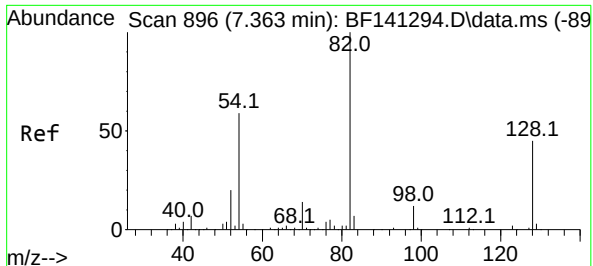
105 100

71 6.0 6.8 10.2#

51 38.8 32.6 49.0

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.499 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 632818

Ion Ratio Lower Upper

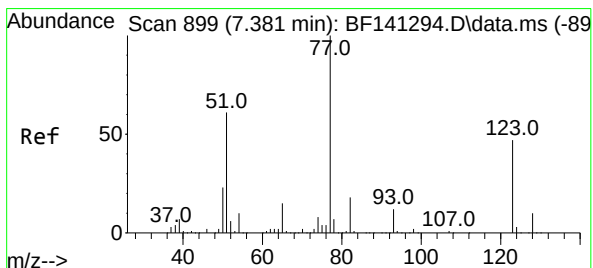
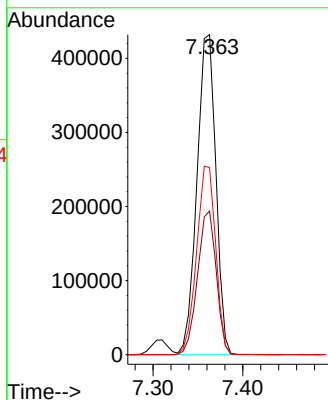
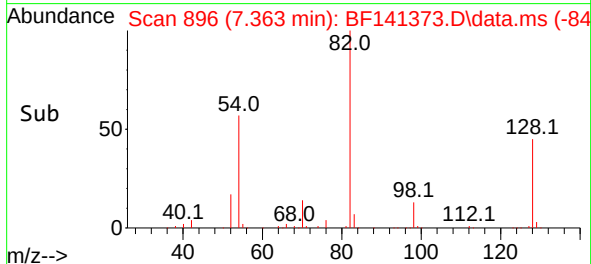
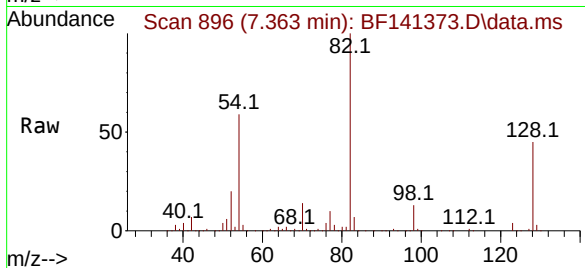
82 100

128 44.9 35.7 53.5

54 58.5 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#24

Nitrobenzene

Concen: 39.612 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

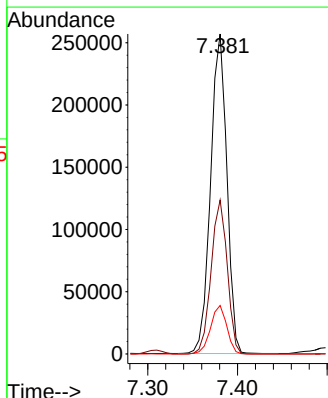
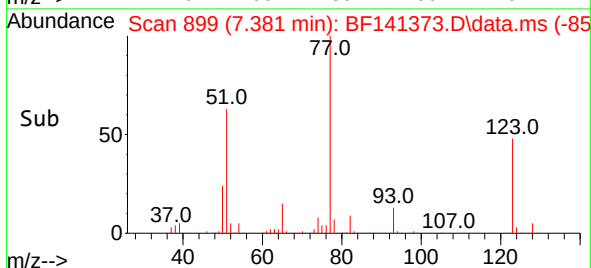
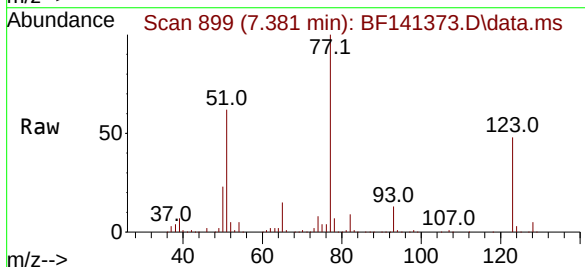
Tgt Ion: 77 Resp: 322702

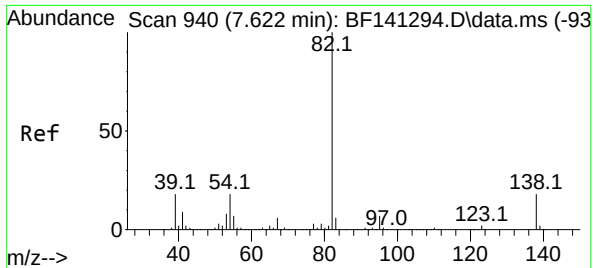
Ion Ratio Lower Upper

77 100

123 48.1 37.3 55.9

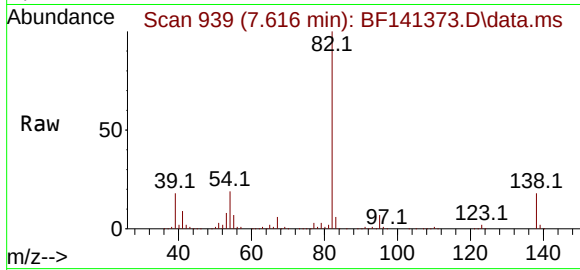
65 15.1 11.8 17.6





#25
Isophorone
Concen: 39.816 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

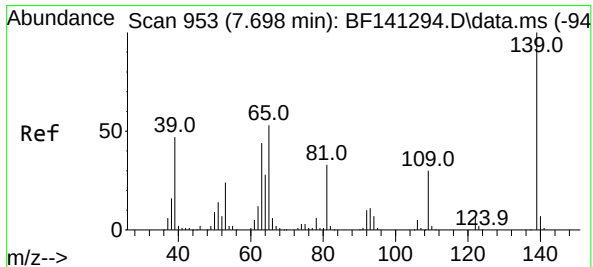
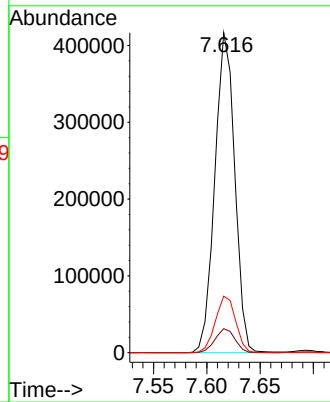
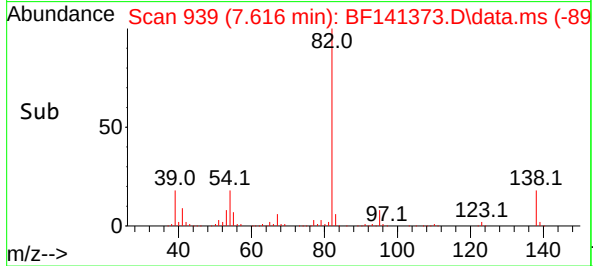
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 54105
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1

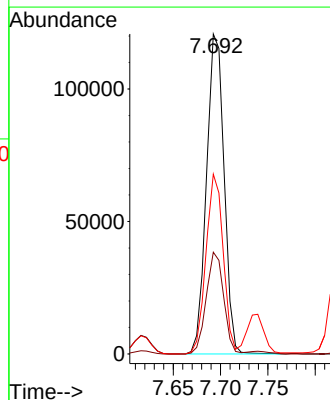
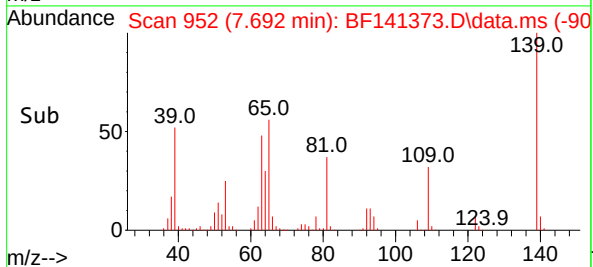
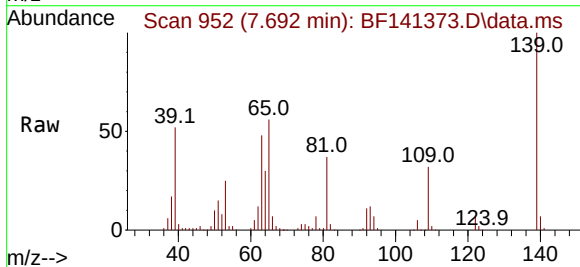
Manual Integrations
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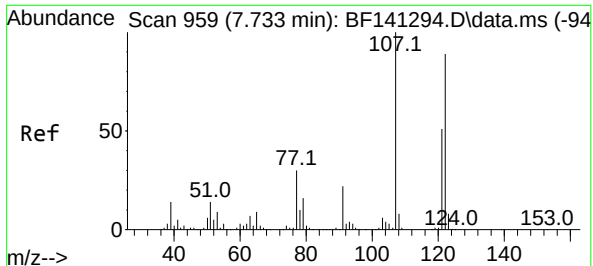
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 40.576 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:139 Resp: 155896
Ion Ratio Lower Upper
139 100
109 31.8 23.8 35.6
65 56.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 40.168 ng m

RT: 7.739 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 19643

Ion Ratio Lower Upper

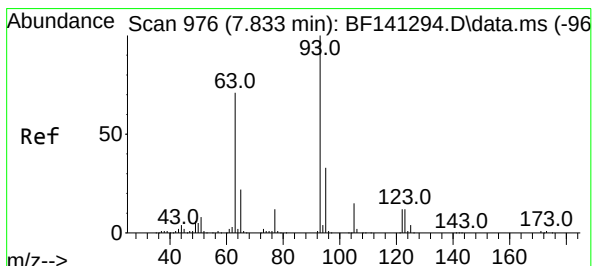
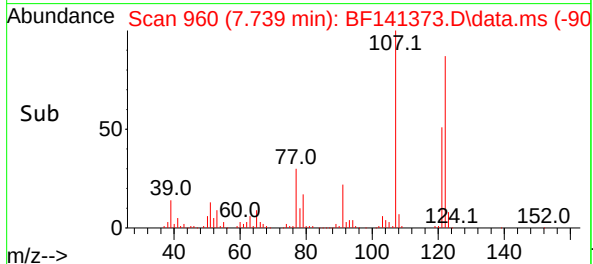
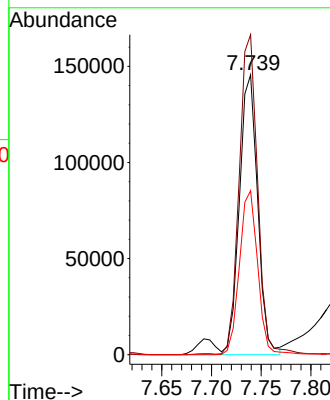
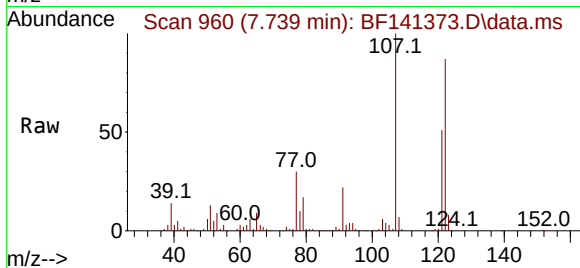
122 100

107 114.4 89.9 134.9

121 58.6 46.1 69.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#28

bis(2-Chloroethoxy)methane

Concen: 39.010 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

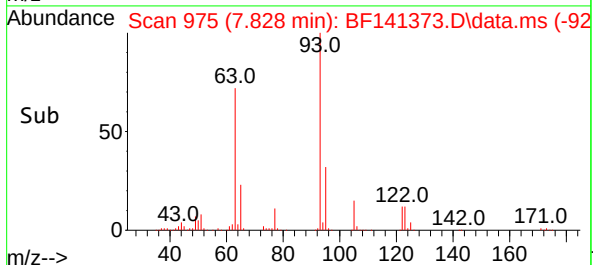
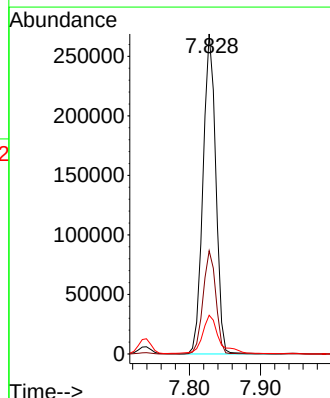
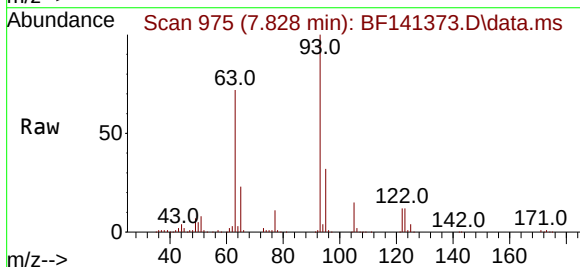
Tgt Ion: 93 Resp: 338131

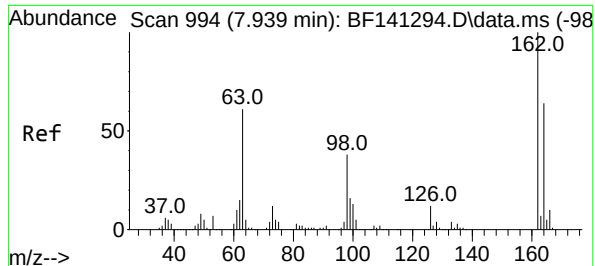
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 40.508 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 24251

Ion Ratio Lower Upper

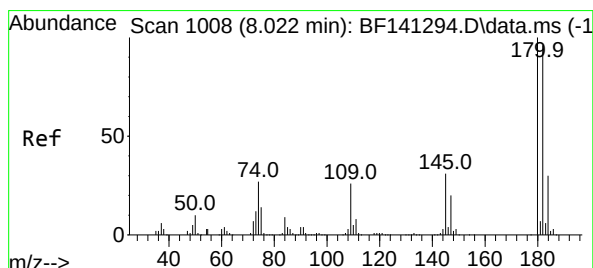
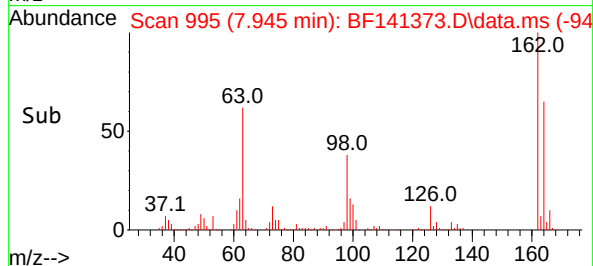
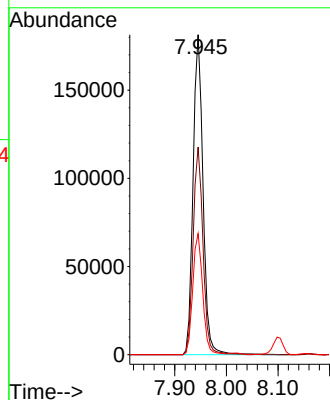
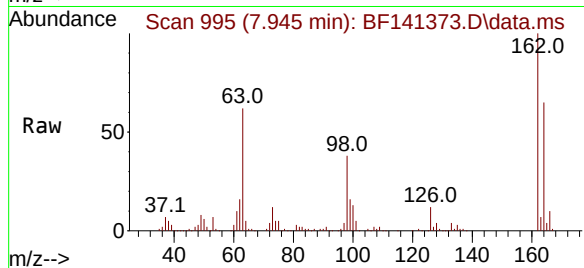
162 100

164 64.8 44.2 84.2

98 37.9 18.2 58.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#30

1,2,4-Trichlorobenzene

Concen: 39.757 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

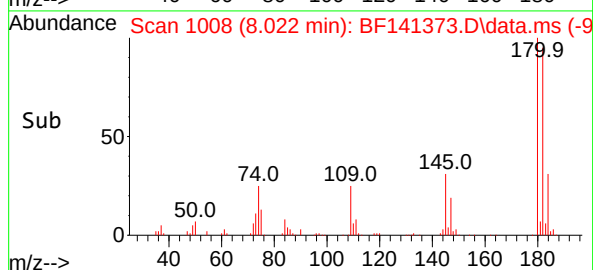
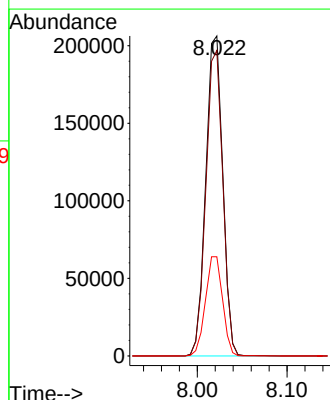
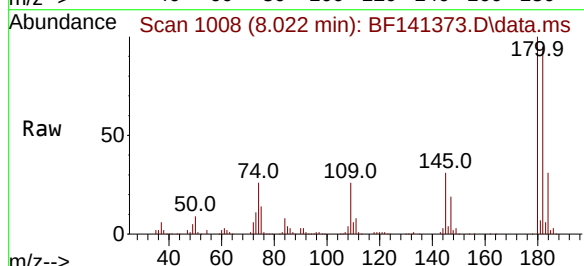
Tgt Ion:180 Resp: 271821

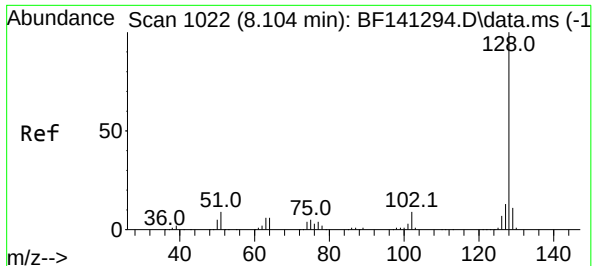
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 39.616 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 86729

Ion Ratio Lower Upper

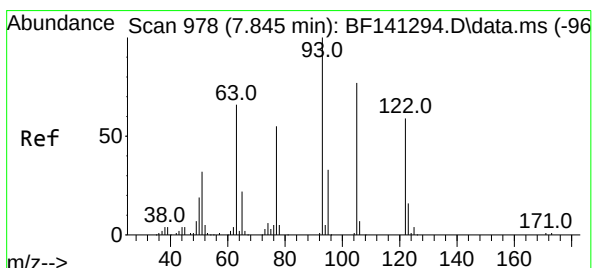
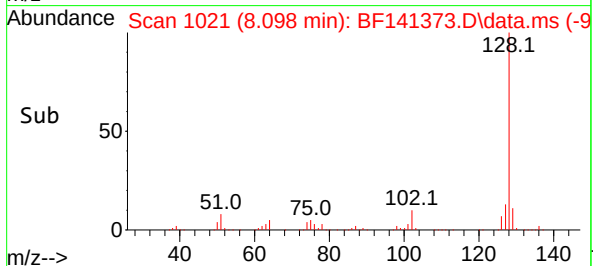
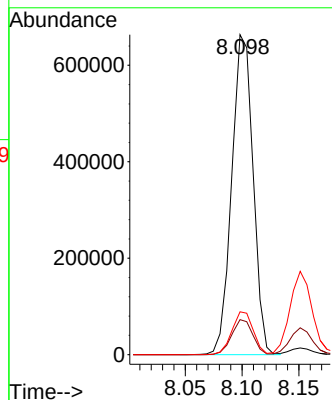
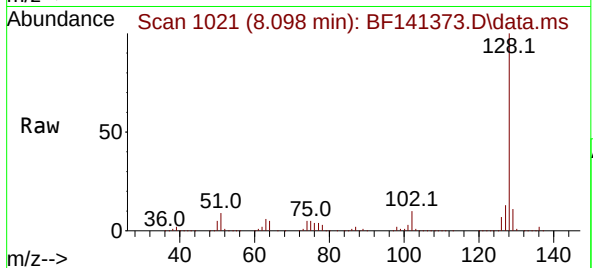
128 100

129 10.9 8.9 13.3

127 13.4 10.6 15.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
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#32

Benzoic acid

Concen: 42.934 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

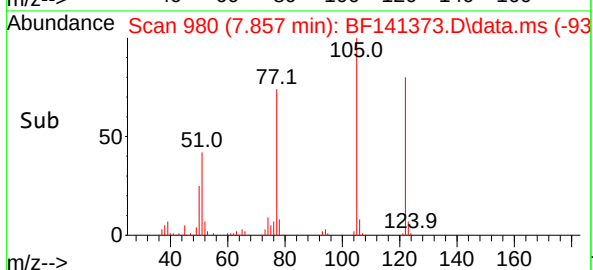
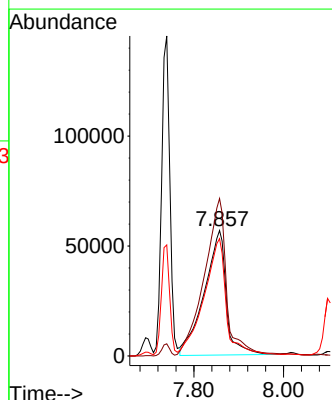
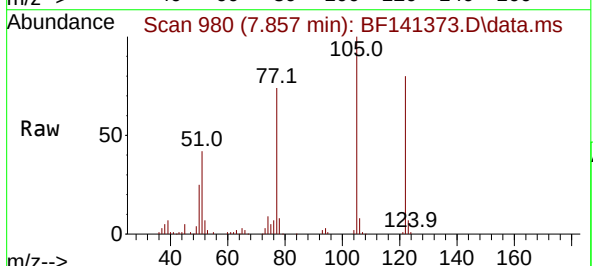
Tgt Ion:122 Resp: 193009

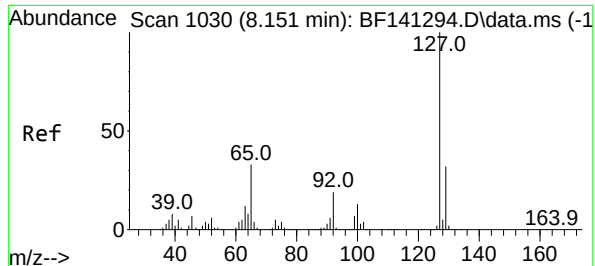
Ion Ratio Lower Upper

122 100

105 125.4 103.4 143.4

77 93.4 70.9 110.9





#33

4-Chloroaniline

Concen: 32.676 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 242580

Ion Ratio Lower Upper

127 100

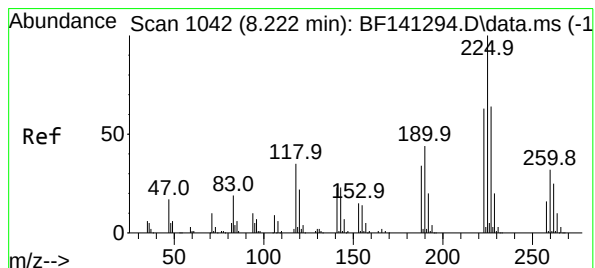
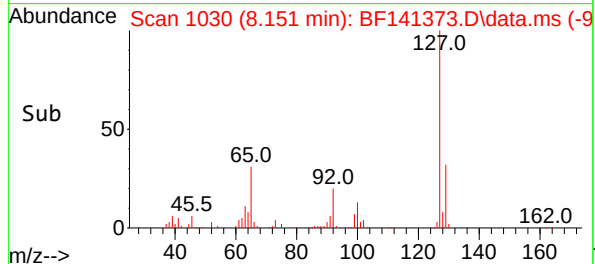
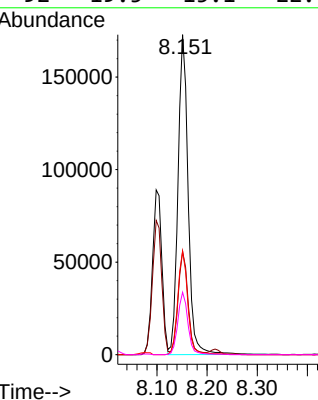
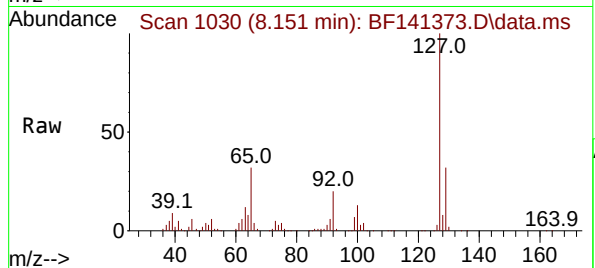
129 32.3 25.7 38.5

65 32.4 26.4 39.6

92 19.5 15.1 22.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
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#34

Hexachlorobutadiene

Concen: 42.128 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

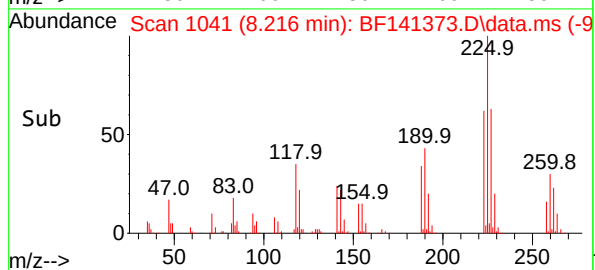
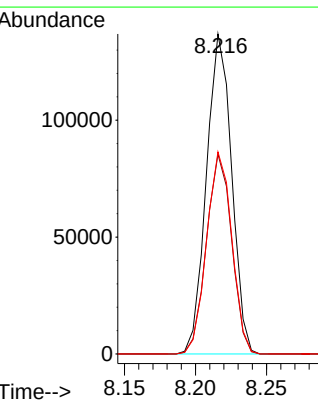
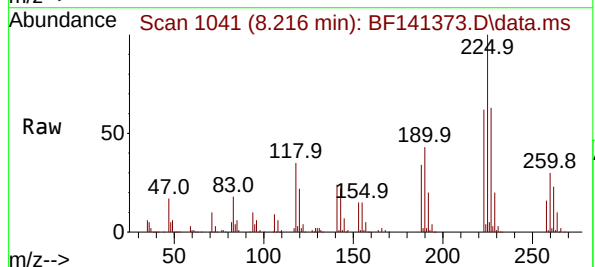
Tgt Ion:225 Resp: 168912

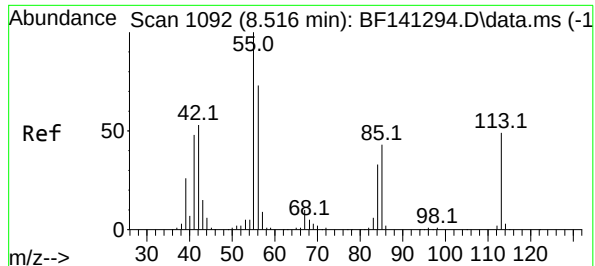
Ion Ratio Lower Upper

225 100

223 62.4 50.4 75.6

227 63.2 51.3 76.9





#35

Caprolactam

Concen: 40.764 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.030 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 7970

Ion Ratio Lower Upper

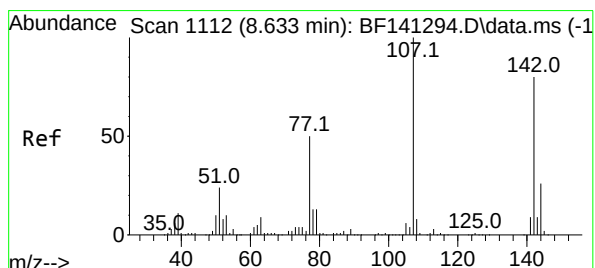
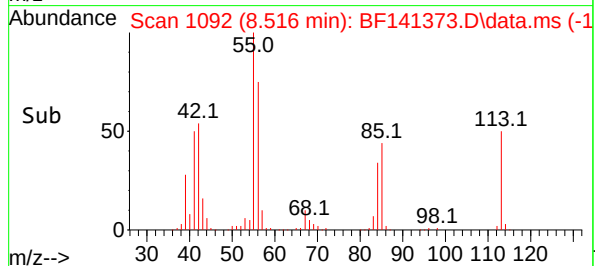
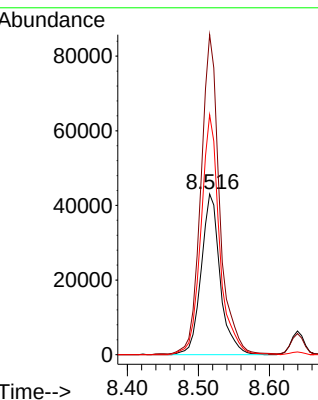
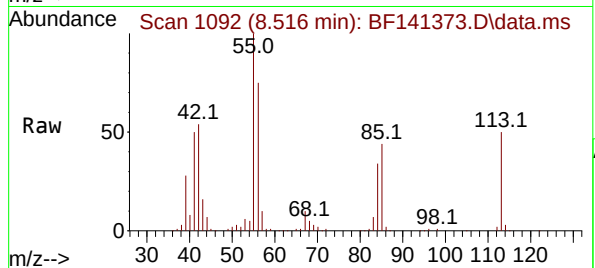
113 100

55 199.2 182.9 222.9

56 149.3 127.9 167.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#36

4-Chloro-3-methylphenol

Concen: 41.066 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

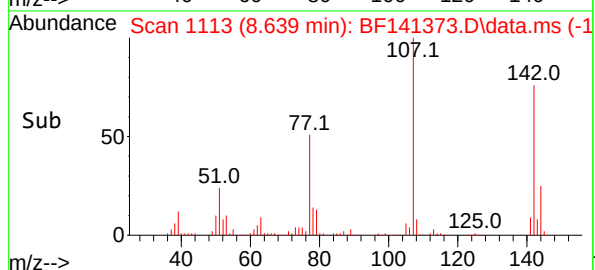
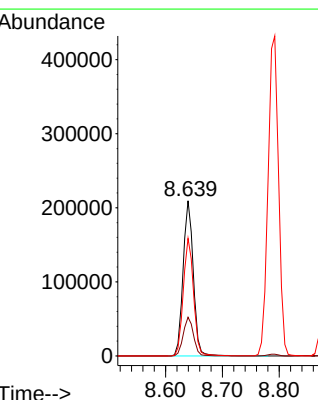
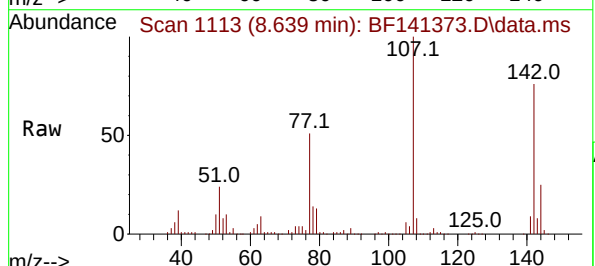
Tgt Ion:107 Resp: 263711

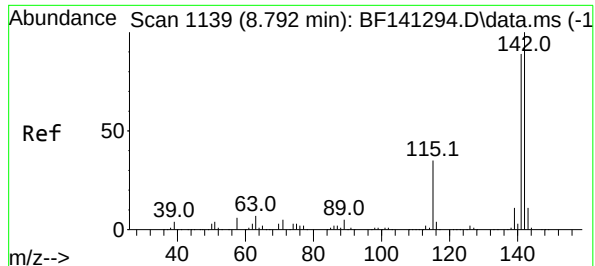
Ion Ratio Lower Upper

107 100

144 24.9 20.7 31.1

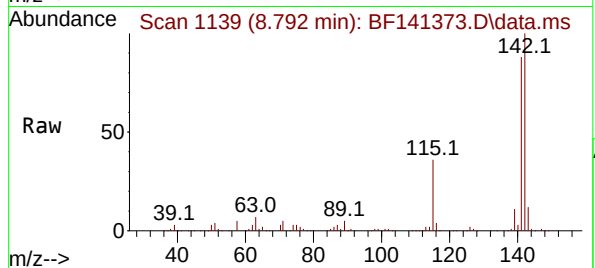
142 75.7 63.8 95.8





#37
2-Methylnaphthalene
Concen: 40.024 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

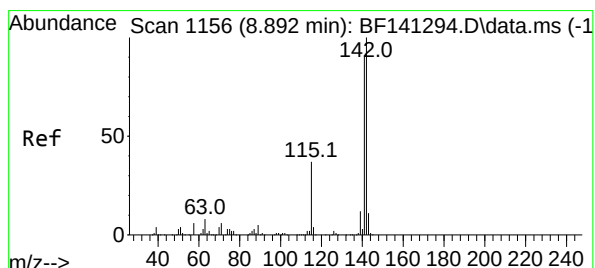
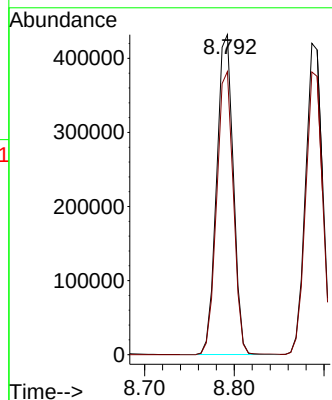
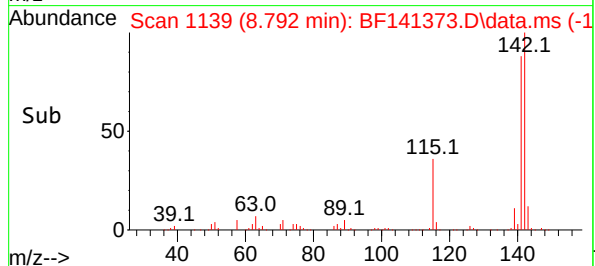
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 556900
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9

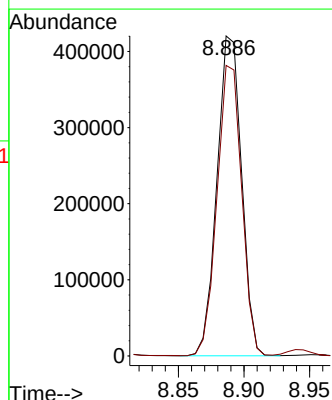
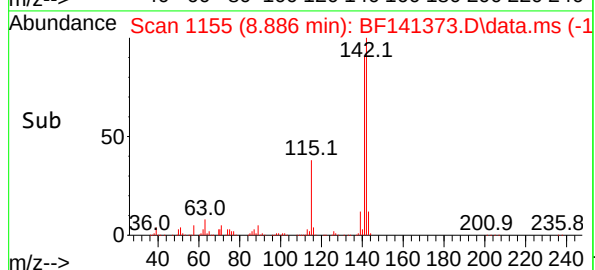
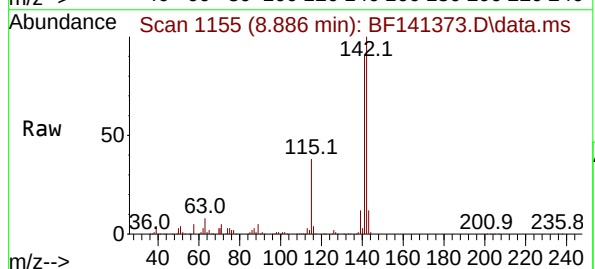
Manual Integrations
APPROVED

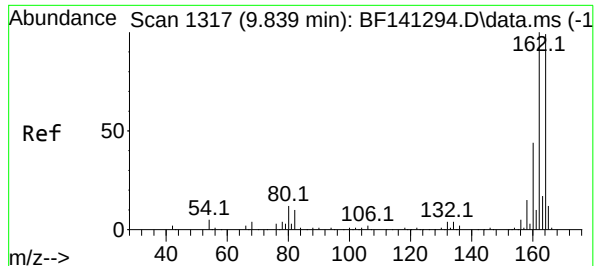
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 40.034 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 547195
Ion Ratio Lower Upper
142 100
141 90.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141373.D

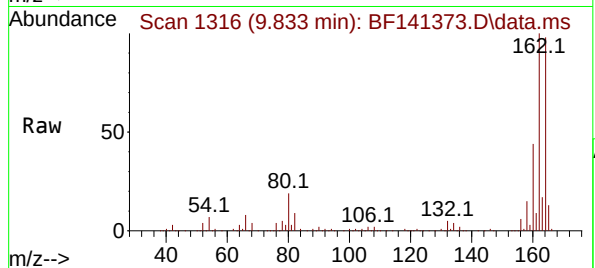
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTCCCC040



Tgt Ion:164 Resp: 226320

Ion Ratio Lower Upper

164 100

162 102.0 80.6 121.0

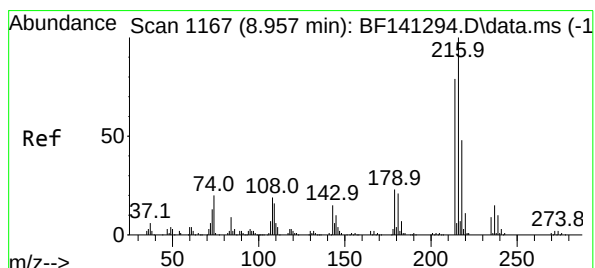
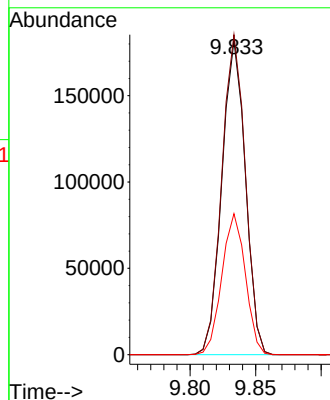
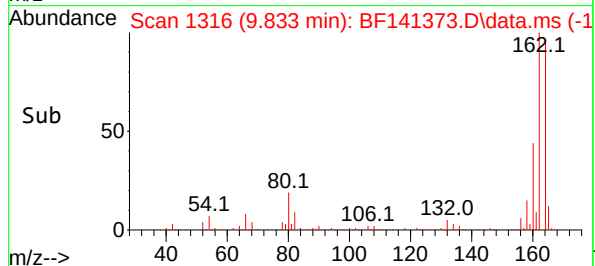
160 44.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

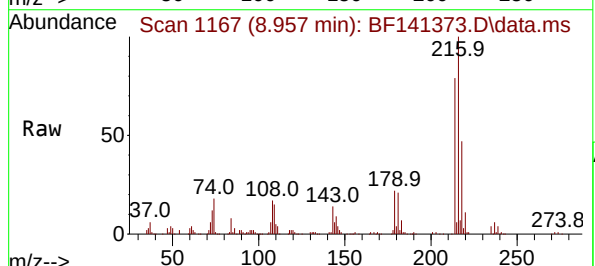
Concen: 40.167 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14



Tgt Ion:216 Resp: 258626

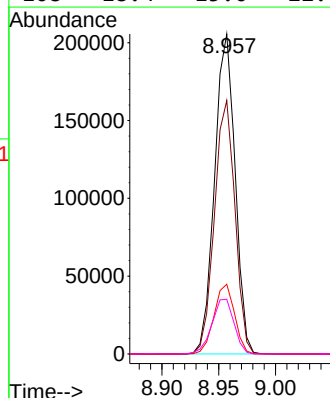
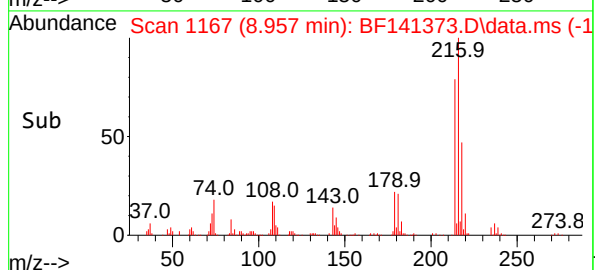
Ion Ratio Lower Upper

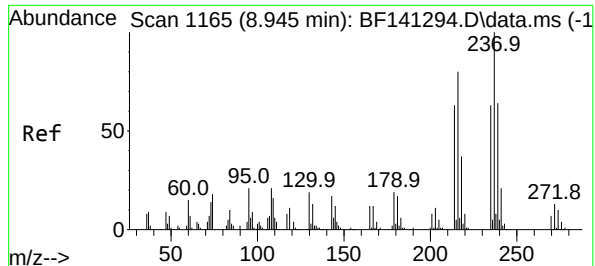
216 100

214 79.1 63.2 94.8

179 21.8 17.8 26.8

108 18.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 44.173 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

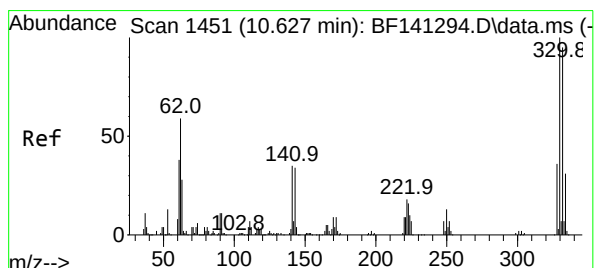
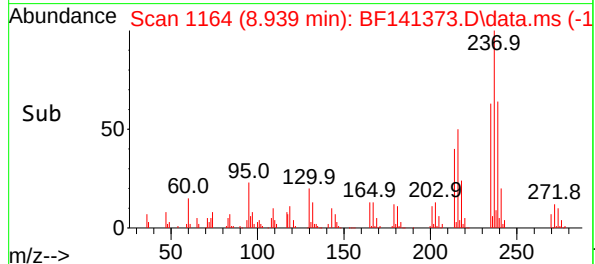
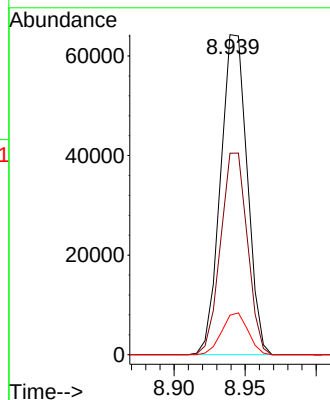
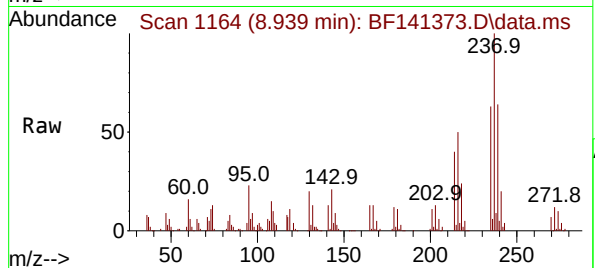
SSTDCCC040

Tgt Ion:	237	Resp:	83990
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.9	82.9
272	12.4	0.0	32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 84.706 ng

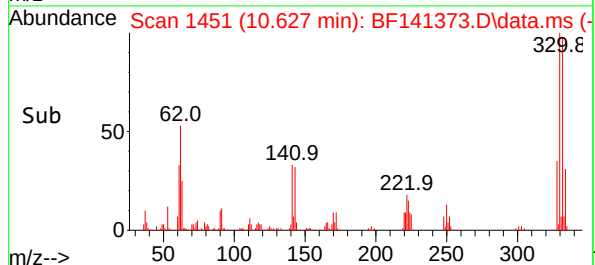
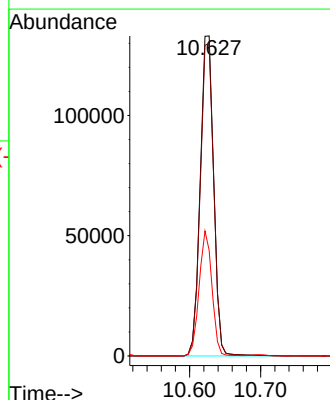
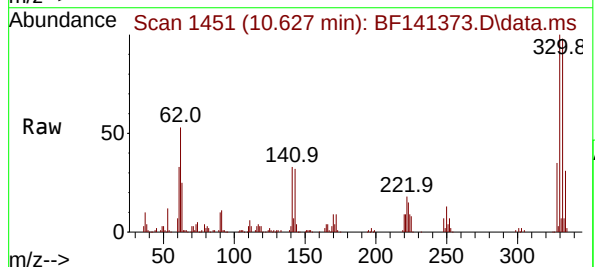
RT: 10.627 min Scan# 1451

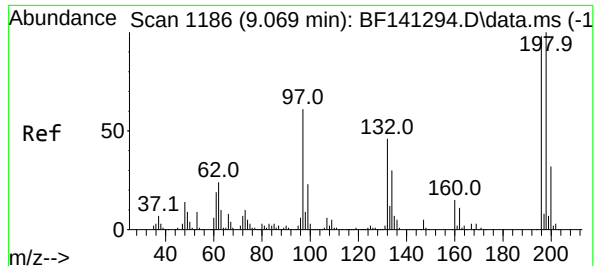
Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:	330	Resp:	175756
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.1	114.1
141	37.2	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 40.768 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 171810

Ion Ratio Lower Upper

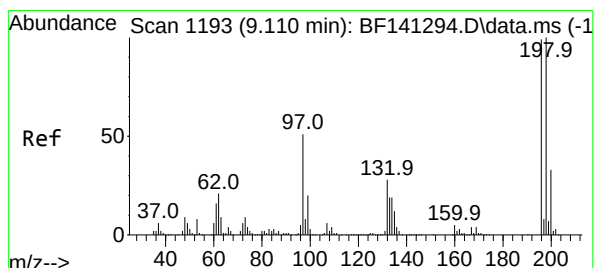
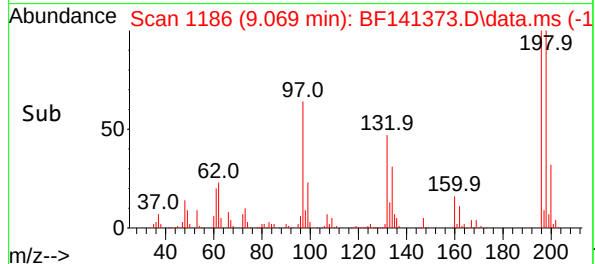
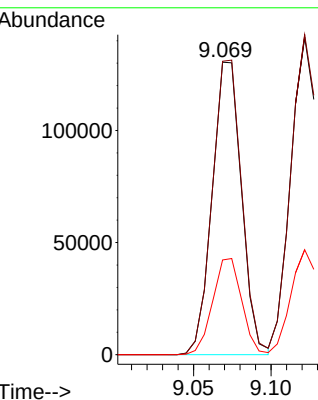
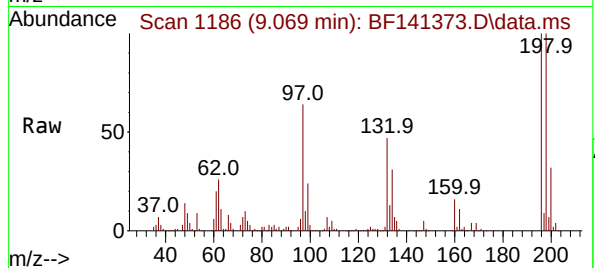
196 100

198 100.3 81.8 122.6

200 32.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#44

2,4,5-Trichlorophenol

Concen: 40.747 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 186902

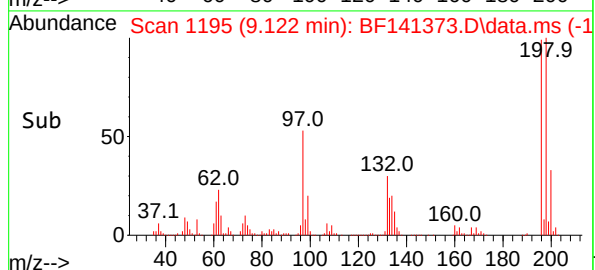
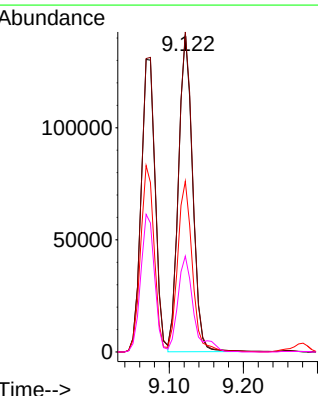
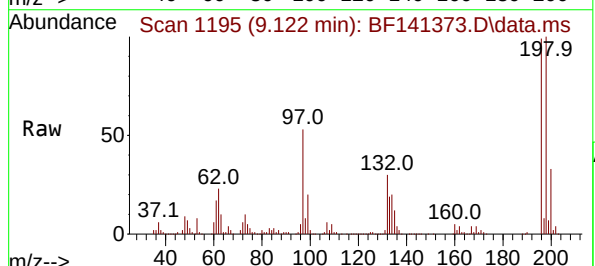
Ion Ratio Lower Upper

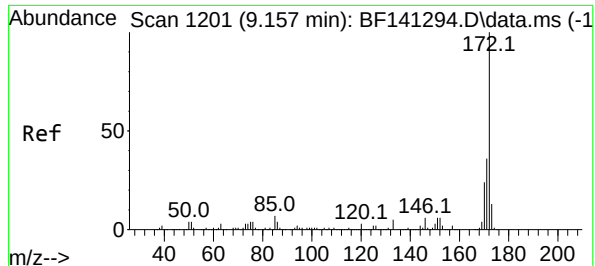
196 100

198 100.8 80.5 120.7

97 53.8 42.8 64.2

132 30.2 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 79.517 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 116923

Ion Ratio Lower Upper

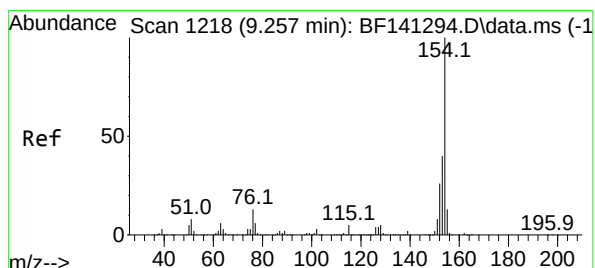
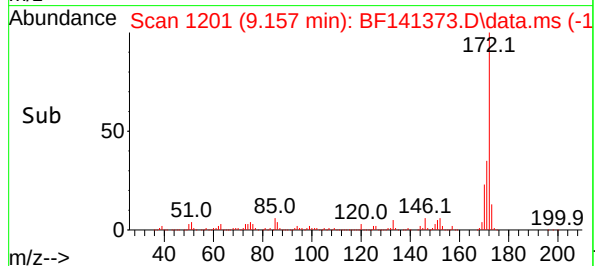
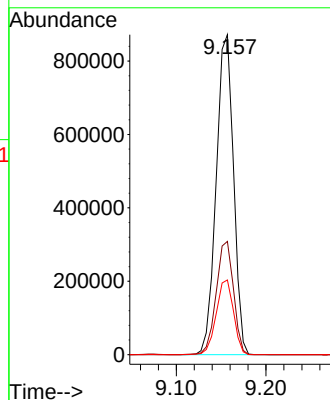
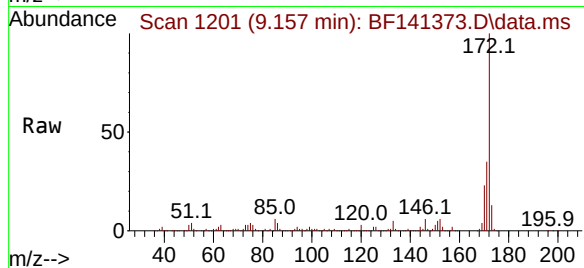
172 100

171 35.4 28.8 43.2

170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#46

1,1'-Biphenyl

Concen: 39.393 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

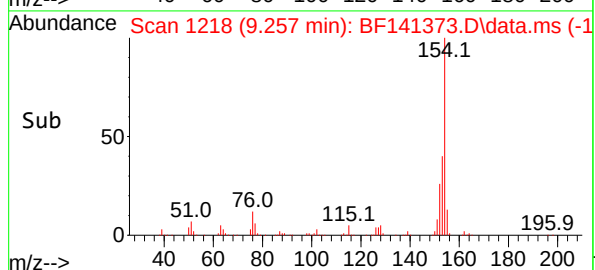
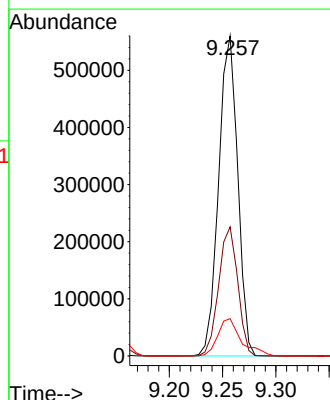
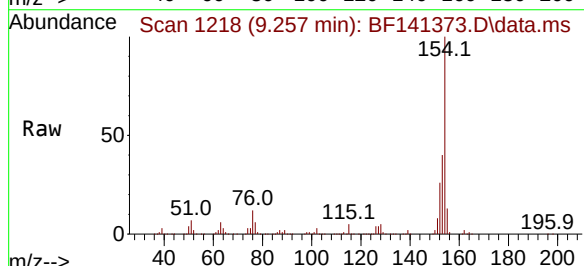
Tgt Ion:154 Resp: 695314

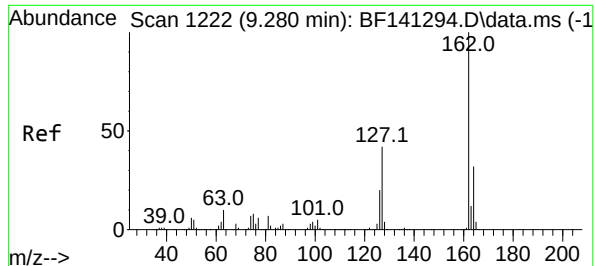
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 11.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.346 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 541319

Ion Ratio Lower Upper

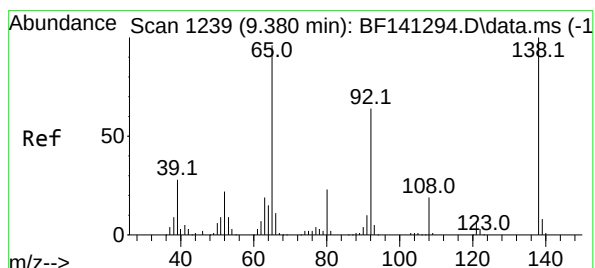
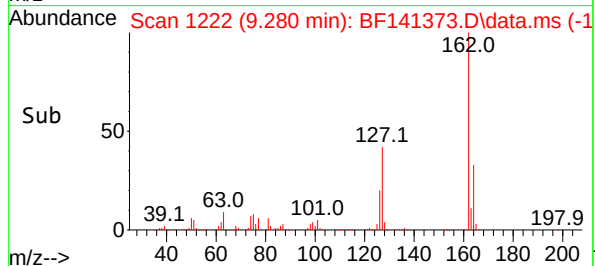
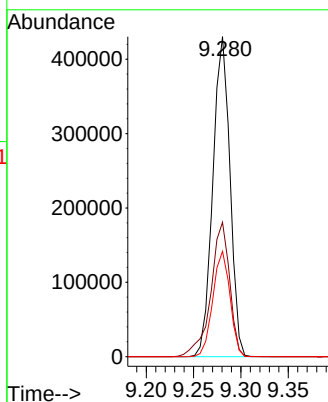
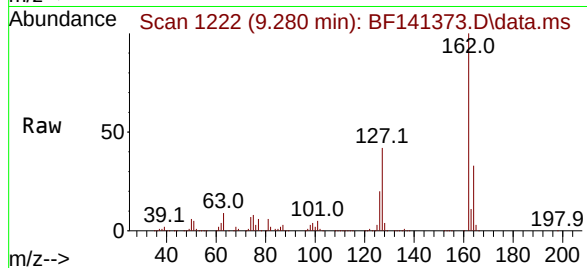
162 100

127 42.0 33.7 50.5

164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#48

2-Nitroaniline

Concen: 40.613 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

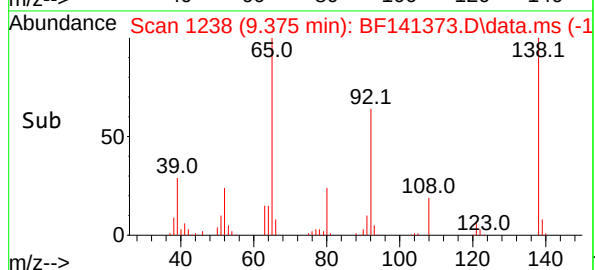
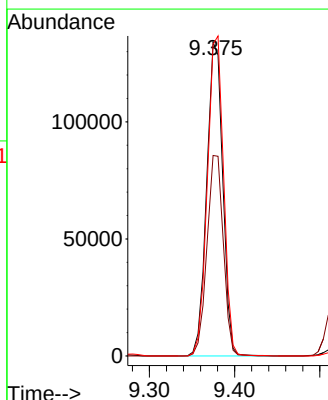
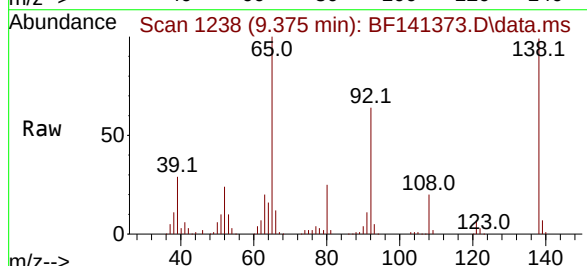
Tgt Ion: 65 Resp: 175746

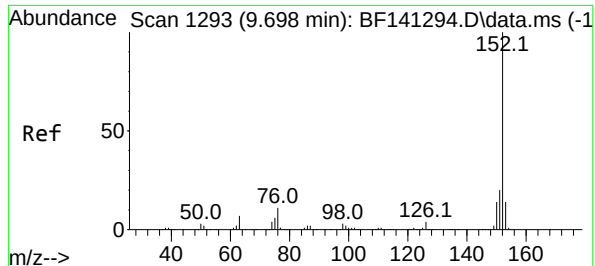
Ion Ratio Lower Upper

65 100

92 63.9 53.3 79.9

138 99.3 83.6 125.4





#49

Acenaphthylene

Concen: 39.561 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

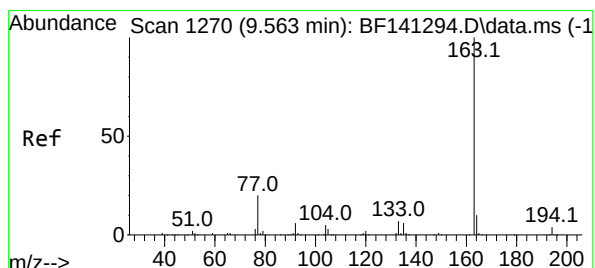
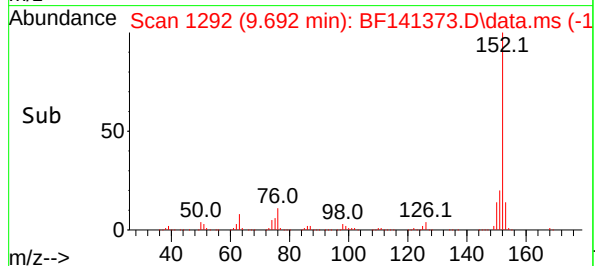
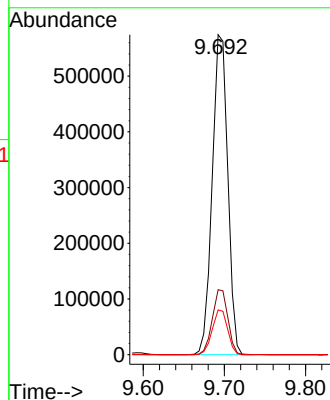
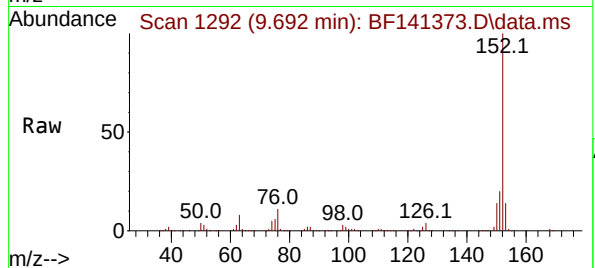
SSTDCCC040

Tgt Ion:152	Resp: 761884
Ion Ratio	Lower Upper
152 100	
151 20.3	16.2 24.2
153 14.0	11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 40.182 ng

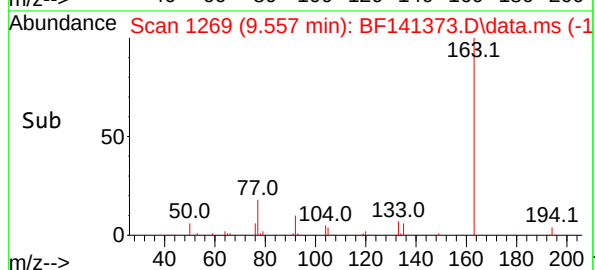
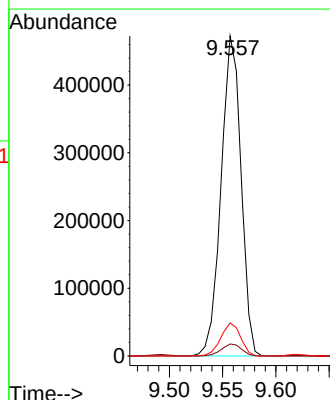
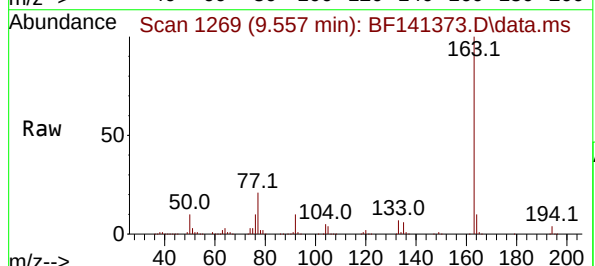
RT: 9.557 min Scan# 1269

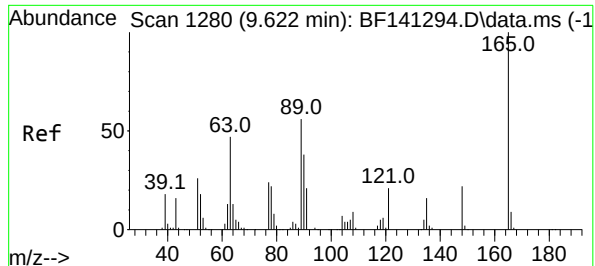
Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:163	Resp: 614225
Ion Ratio	Lower Upper
163 100	
194 3.8	3.0 4.6
164 10.3	8.0 12.0





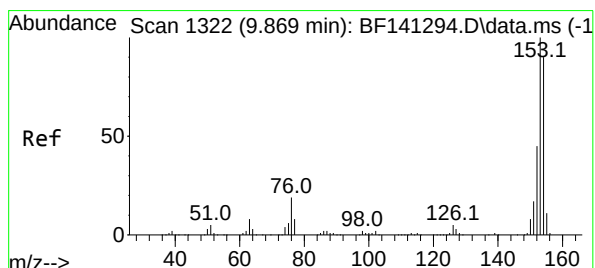
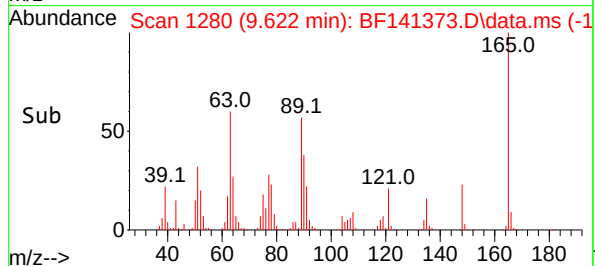
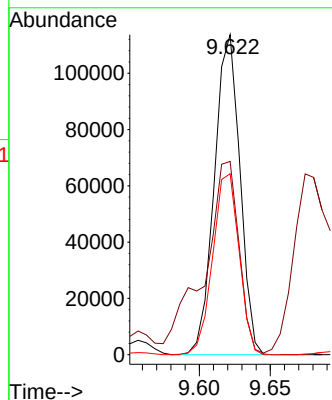
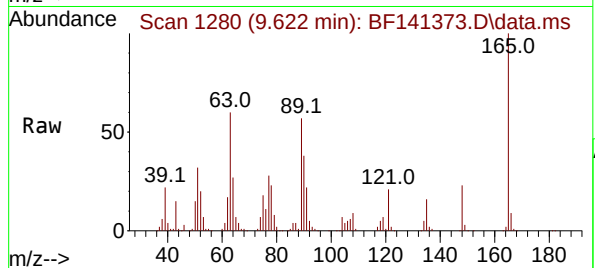
#51
2,6-Dinitrotoluene
Concen: 40.128 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 14242
Ion Ratio Lower Upper
165 100
63 60.4 48.1 72.1
89 56.5 44.9 67.3

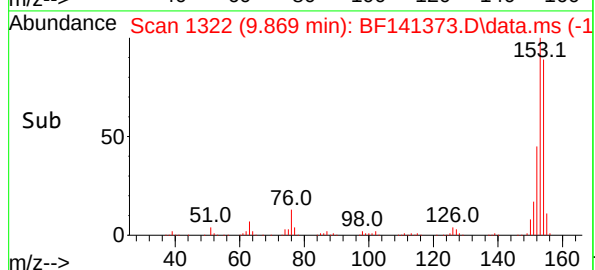
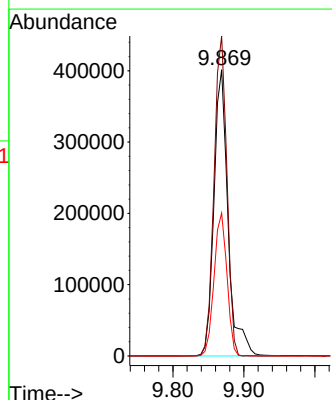
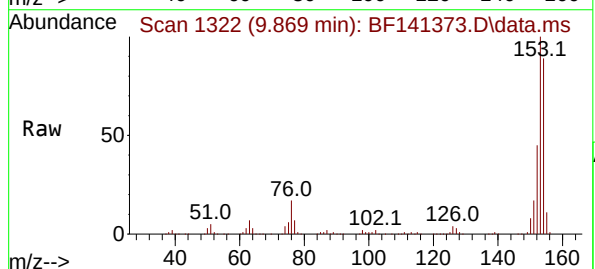
Manual Integrations
APPROVED

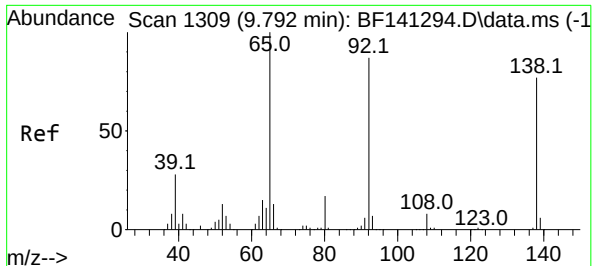
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 40.321 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:154 Resp: 554750
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 49.9 40.2 60.4





#53

3-Nitroaniline

Concen: 40.403 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 140549

Ion Ratio Lower Upper

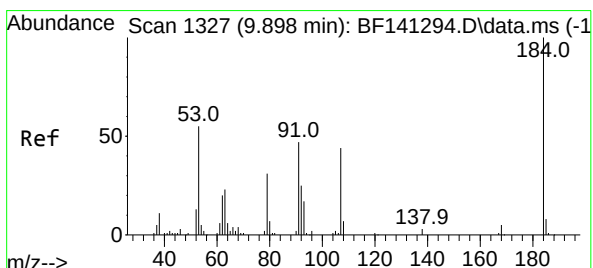
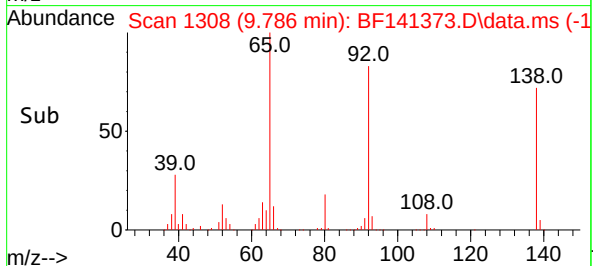
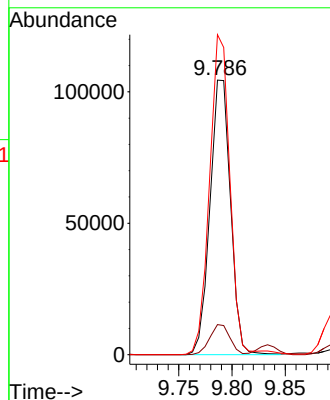
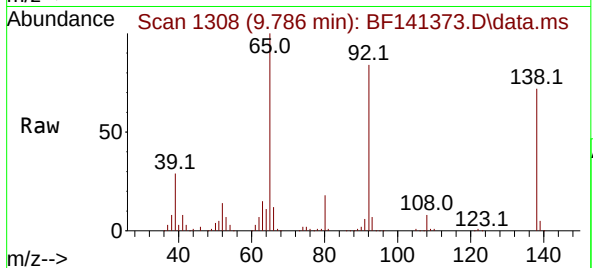
138 100

108 10.9 8.6 12.8

92 116.5 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#54

2,4-Dinitrophenol

Concen: 46.667 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

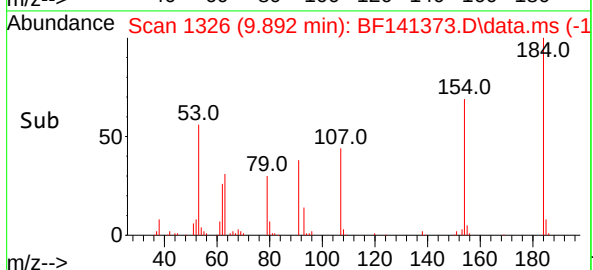
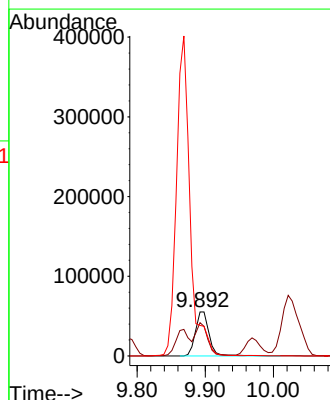
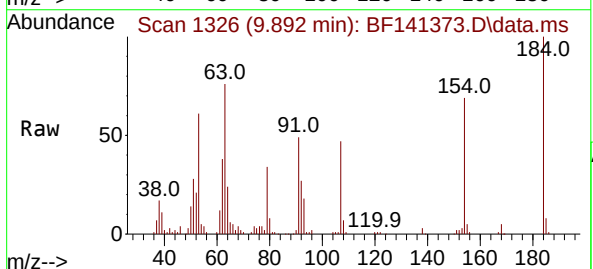
Tgt Ion:184 Resp: 76994

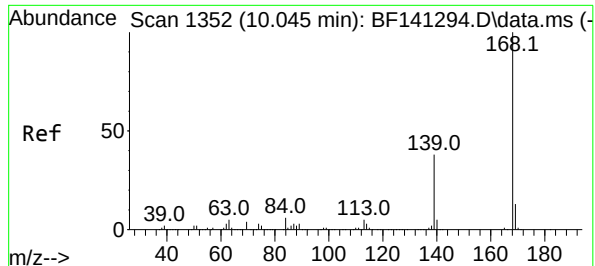
Ion Ratio Lower Upper

184 100

63 75.5 54.1 81.1

154 69.4 50.7 76.1





#55

Dibenzofuran

Concen: 39.528 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 727950

Ion Ratio Lower Upper

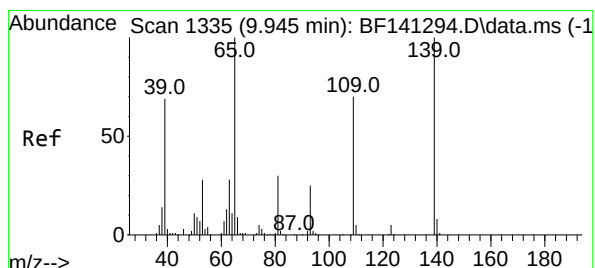
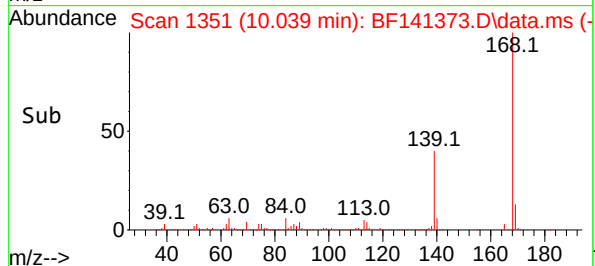
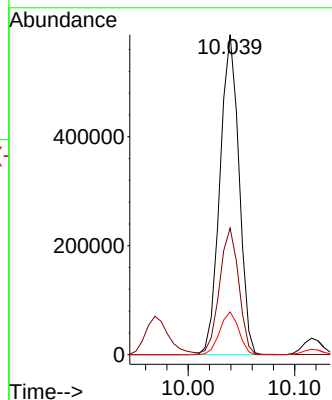
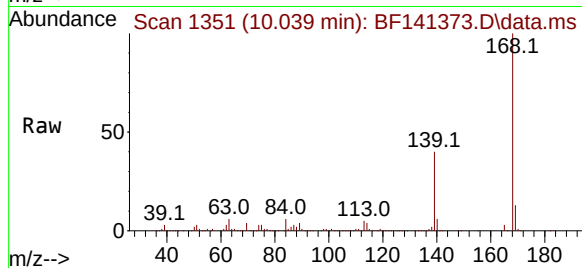
168 100

139 39.6 30.6 46.0

169 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#56

4-Nitrophenol

Concen: 41.887 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

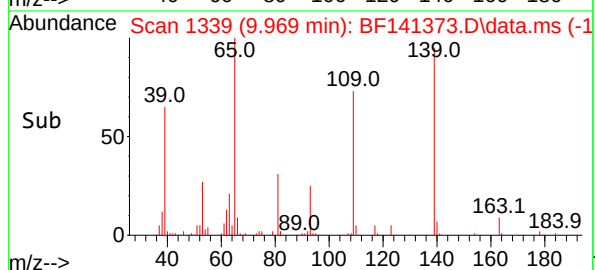
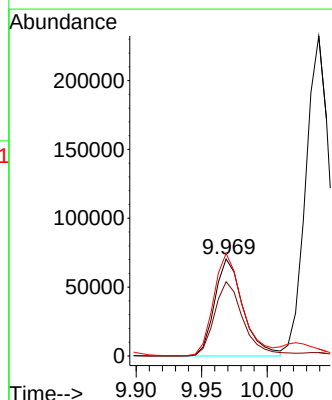
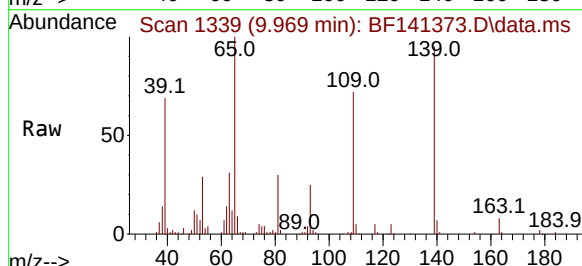
Tgt Ion:139 Resp: 106562

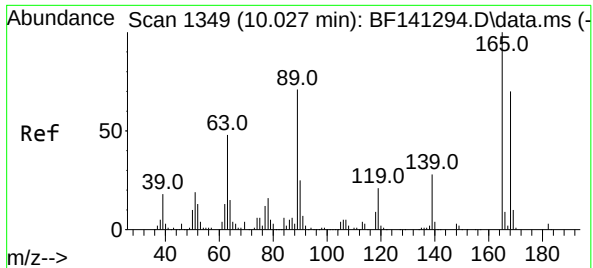
Ion Ratio Lower Upper

139 100

109 76.5 50.2 90.2

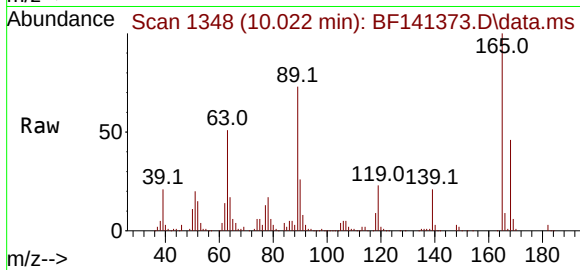
65 105.7 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 41.657 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

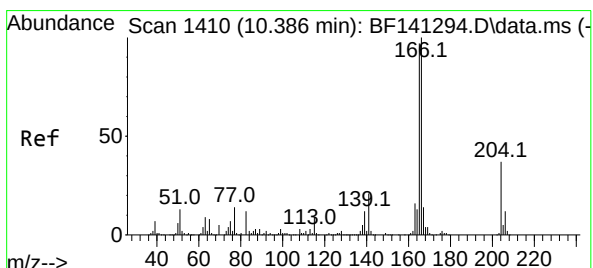
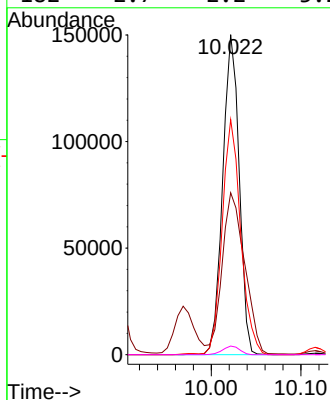
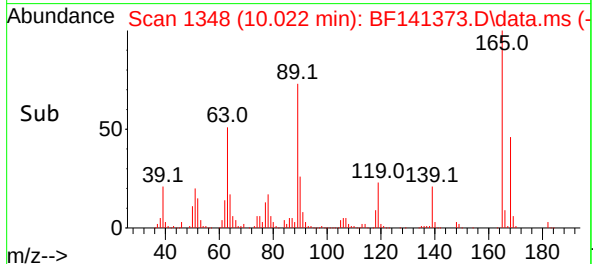
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



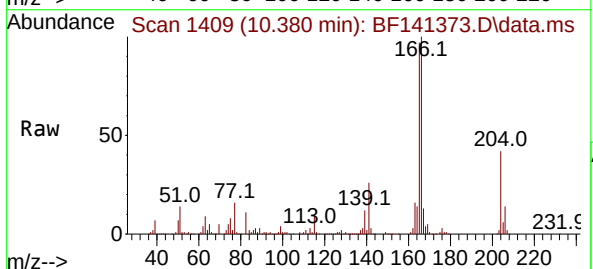
Tgt Ion:165 Resp: 19142
Ion Ratio Lower Upper
165 100
63 50.6 39.2 58.8
89 73.5 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

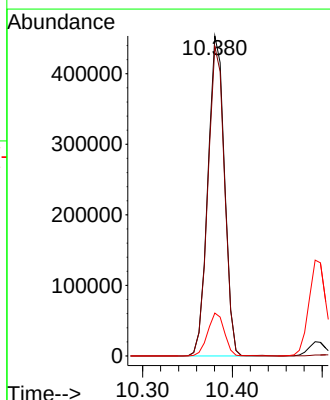
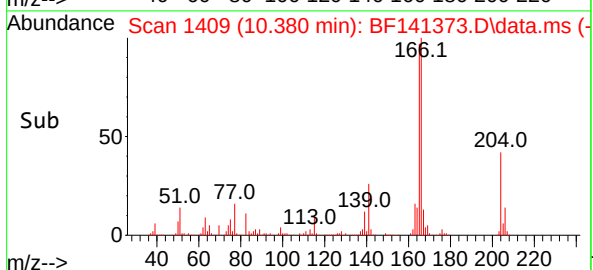
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

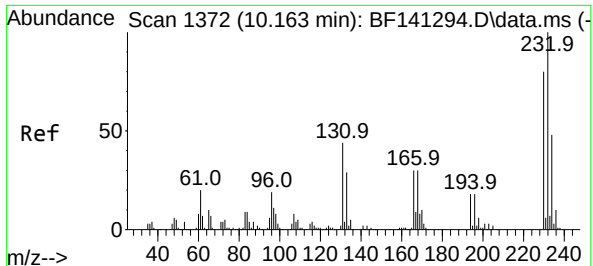


#58
Fluorene
Concen: 40.737 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



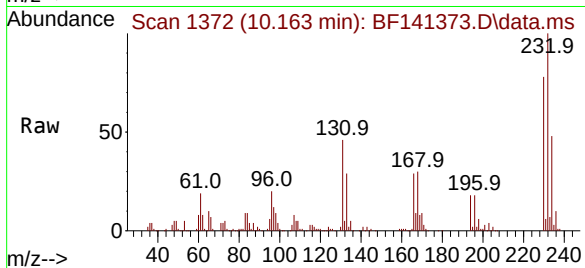
Tgt Ion:166 Resp: 581931
Ion Ratio Lower Upper
166 100
165 96.7 77.5 116.3
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.131 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

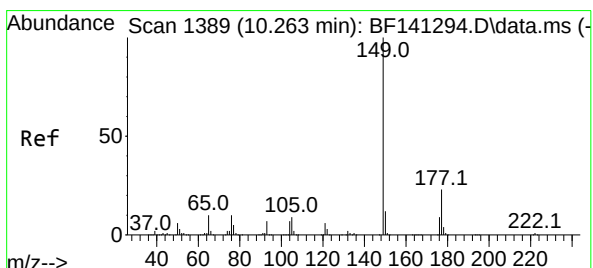
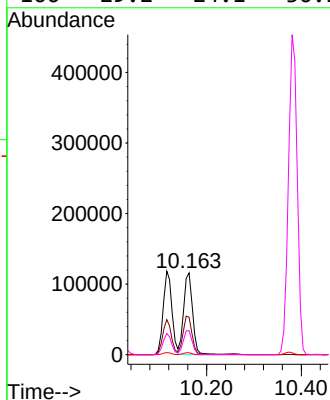
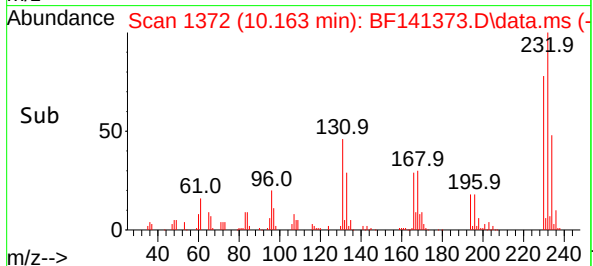
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



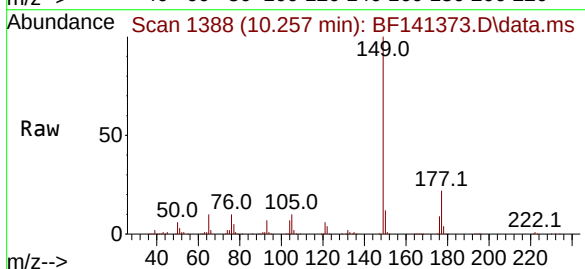
Tgt Ion:232 Resp: 152031
Ion Ratio Lower Upper
232 100
131 47.1 36.4 54.6
130 2.3 1.9 2.9
166 29.2 24.1 36.1

Manual Integrations
APPROVED

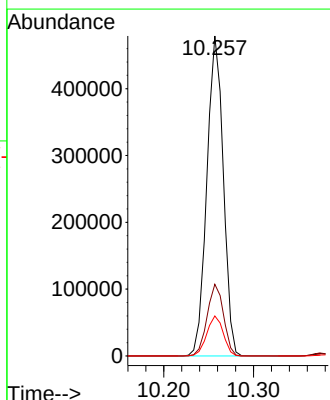
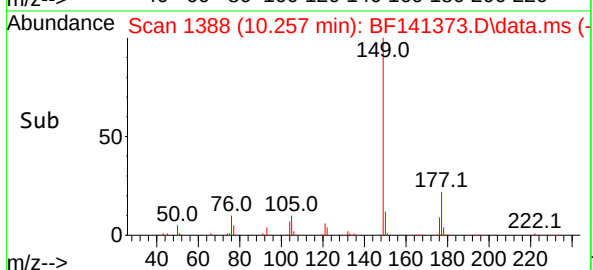
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

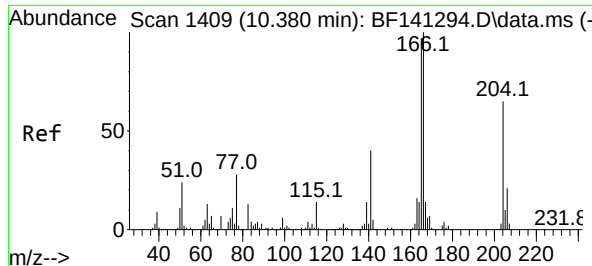


#60
Diethylphthalate
Concen: 41.105 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:149 Resp: 609242
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





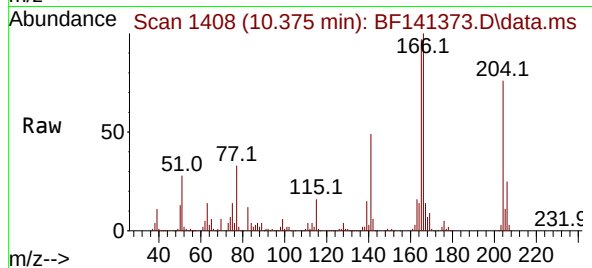
#61
4-Chlorophenyl-phenylether
Concen: 40.268 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

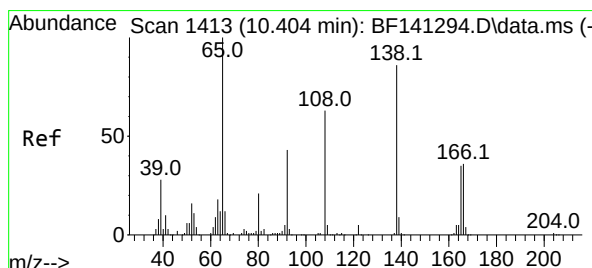
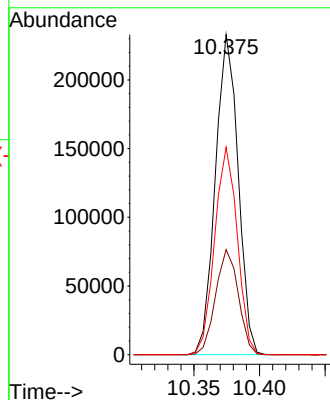
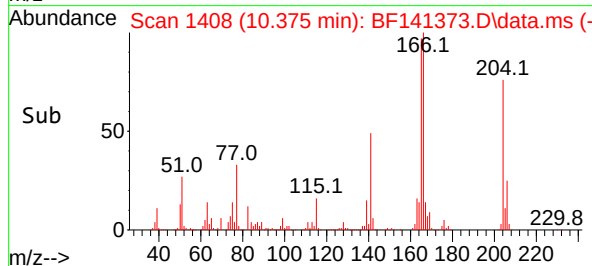
SSTDCCC040



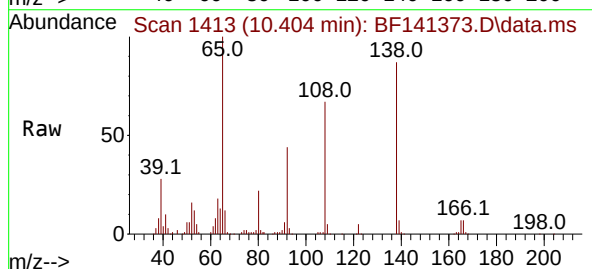
Tgt Ion:204 Resp: 28098
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 64.8 49.5 74.3

Manual Integrations
APPROVED

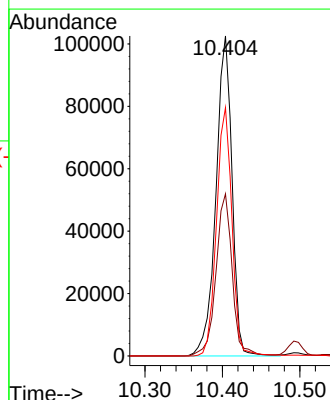
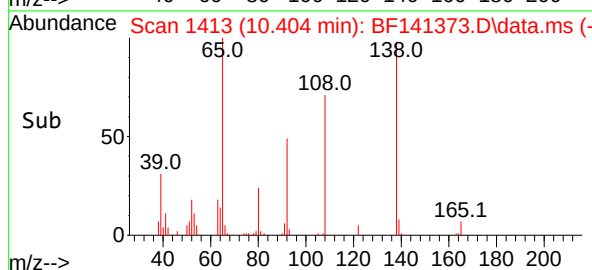
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

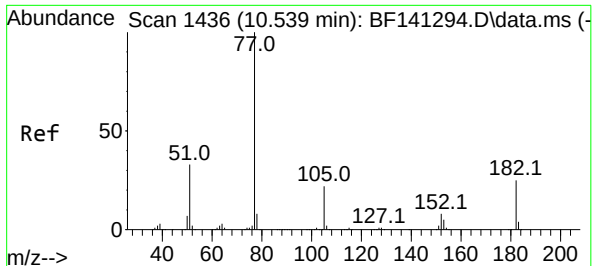


#62
4-Nitroaniline
Concen: 43.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



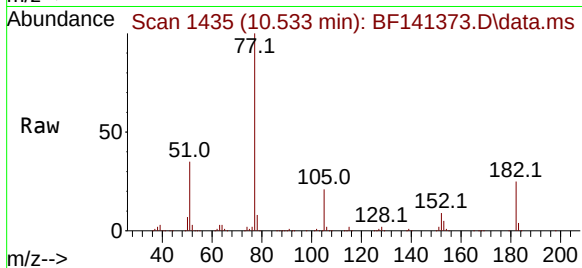
Tgt Ion:138 Resp: 147941
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 77.6 53.1 93.1





#63
Azobenzene
Concen: 39.486 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

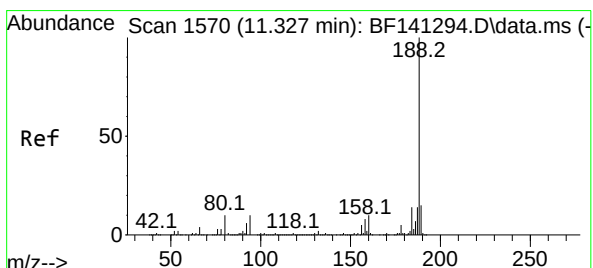
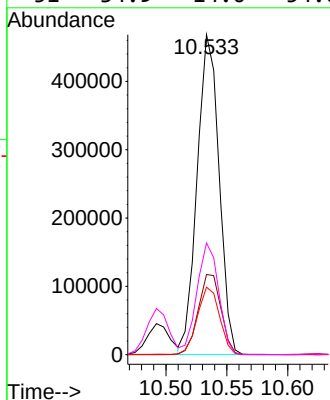
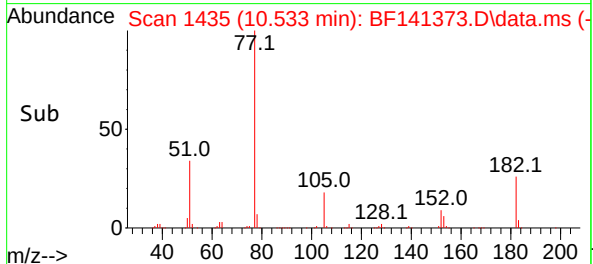
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 585808
Ion Ratio Lower Upper
77 100
182 25.1 5.1 45.1
105 21.1 1.8 41.8
51 34.9 14.0 54.0

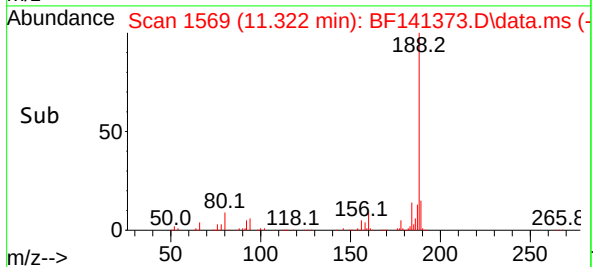
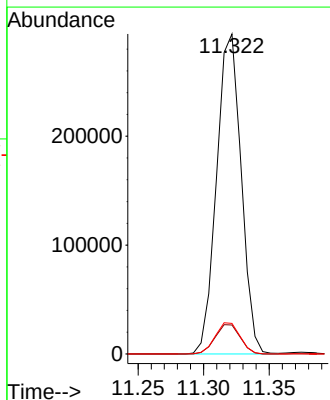
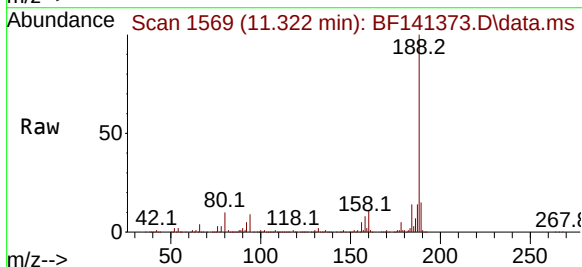
Manual Integrations
APPROVED

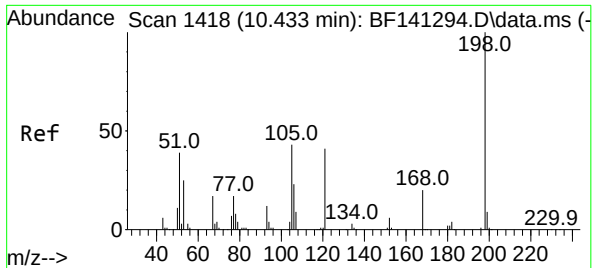
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:188 Resp: 383558
Ion Ratio Lower Upper
188 100
94 9.0 7.8 11.6
80 9.5 8.2 12.4





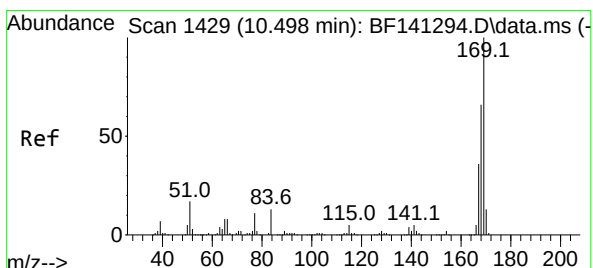
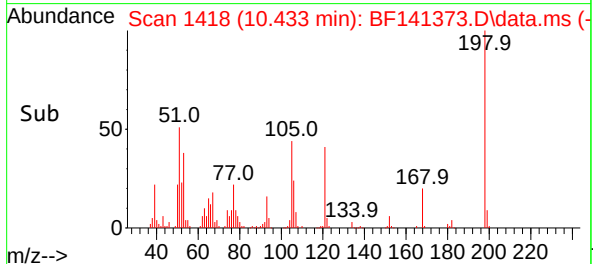
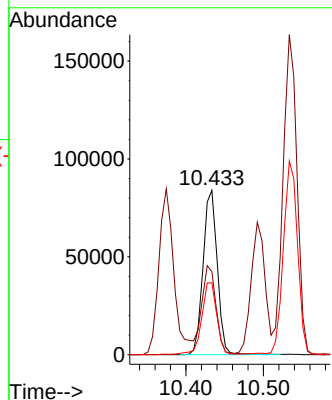
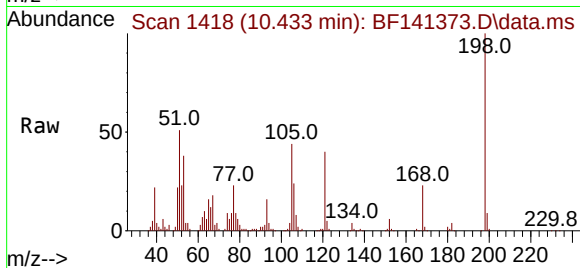
#65
4,6-Dinitro-2-methylphenol
Concen: 47.204 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 107091
Ion Ratio Lower Upper
198 100
51 50.6 33.4 73.4
105 43.7 24.4 64.4

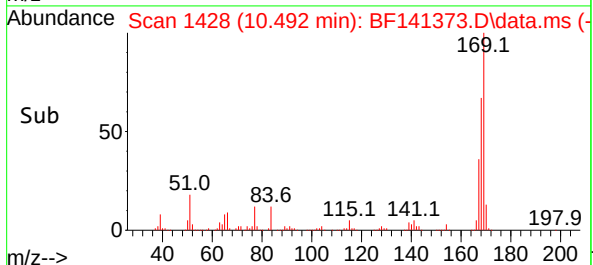
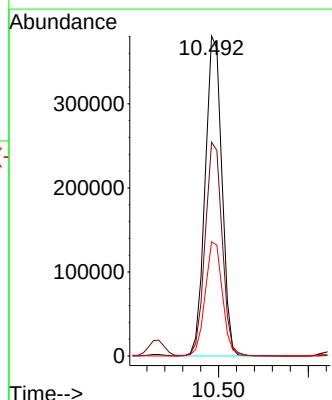
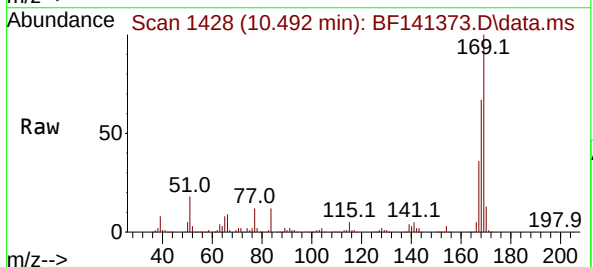
Manual Integrations
APPROVED

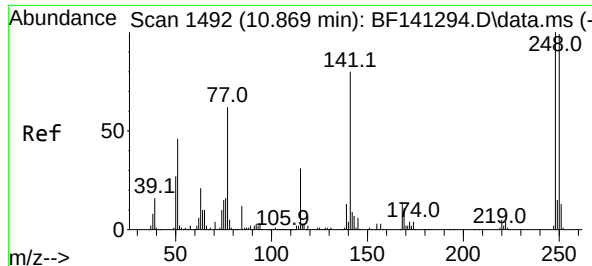
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 39.703 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

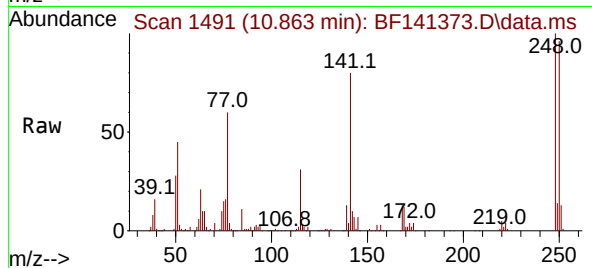
Tgt Ion:169 Resp: 492539
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.4
167 35.6 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.761 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

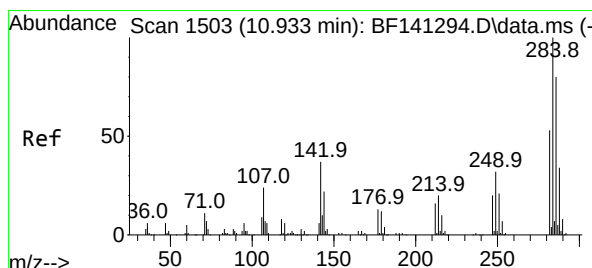
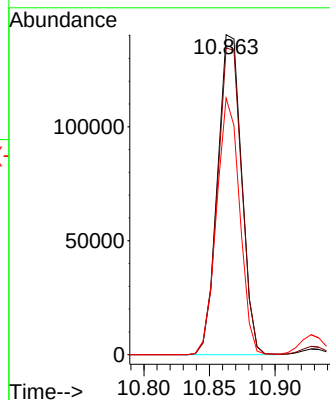
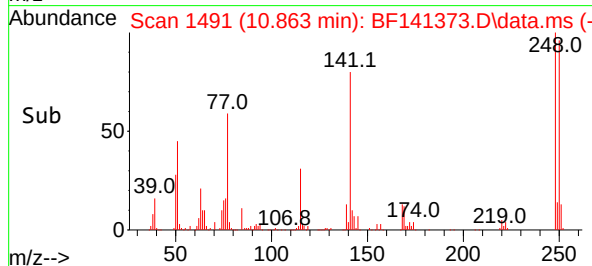
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



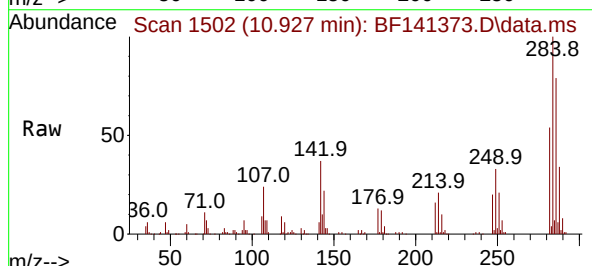
Tgt Ion:248 Resp: 179324
Ion Ratio Lower Upper
248 100
250 95.9 79.0 118.4
141 80.2 63.7 95.5

Manual Integrations
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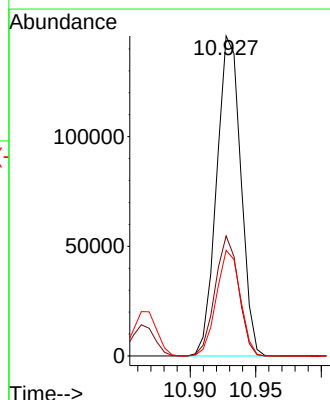
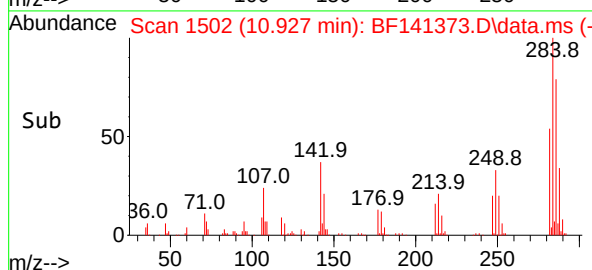
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

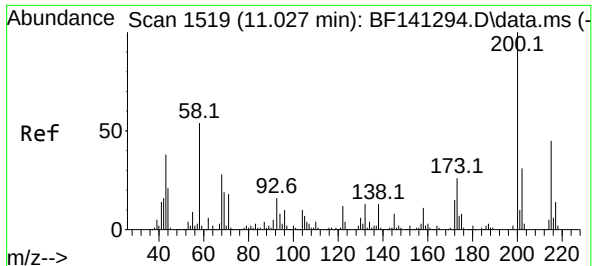


#68
Hexachlorobenzene
Concen: 41.015 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:284 Resp: 186820
Ion Ratio Lower Upper
284 100
142 37.5 29.5 44.3
249 33.0 25.4 38.2





#69

Atrazine

Concen: 40.023 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 166008

Ion Ratio Lower Upper

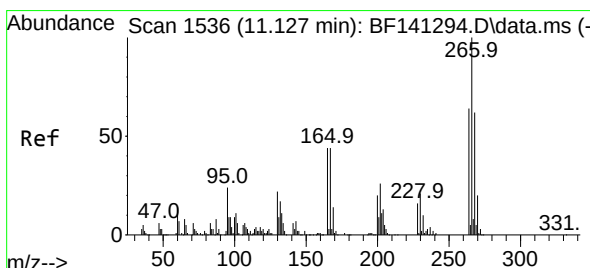
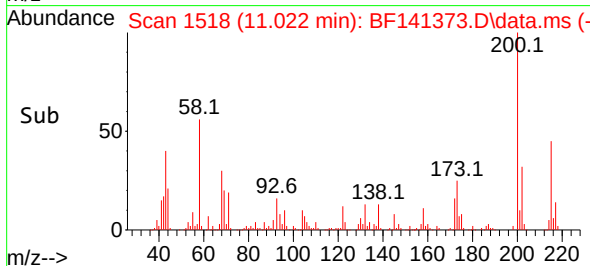
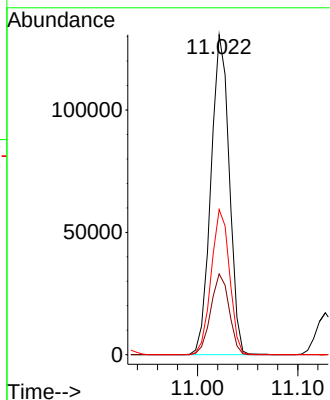
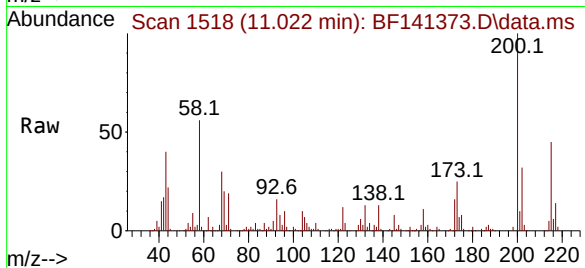
200 100

173 25.3 5.9 45.9

215 45.3 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#70

Pentachlorophenol

Concen: 45.068 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

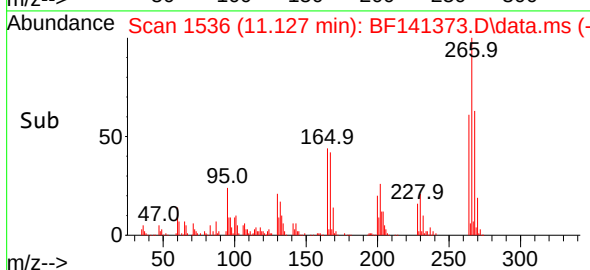
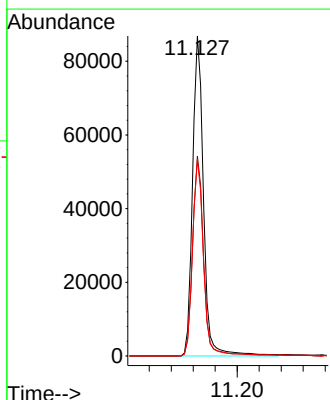
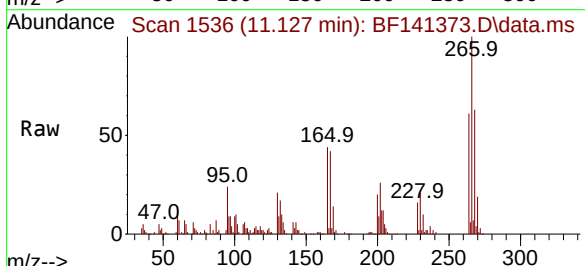
Tgt Ion:266 Resp: 120209

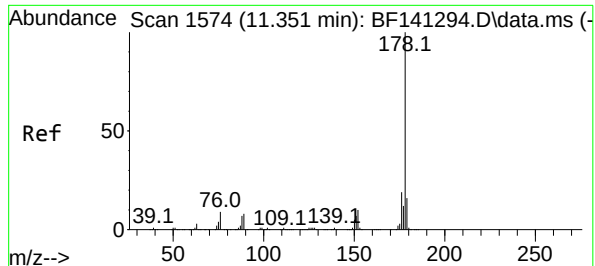
Ion Ratio Lower Upper

266 100

268 62.5 49.9 74.9

264 61.4 51.0 76.4





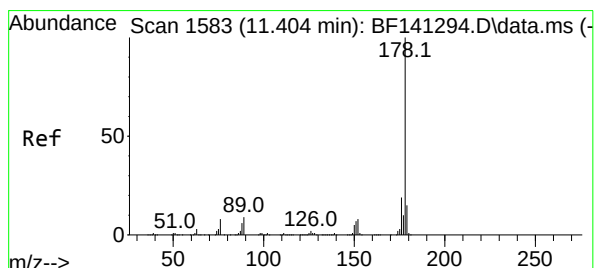
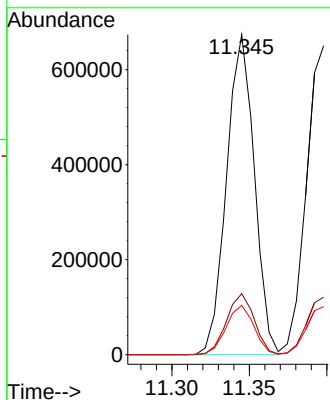
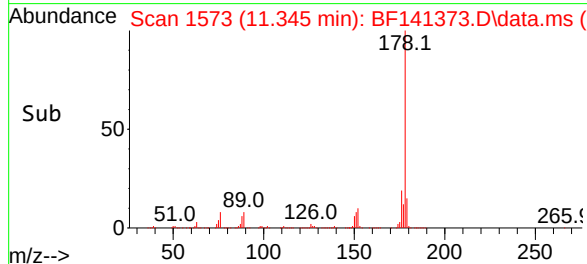
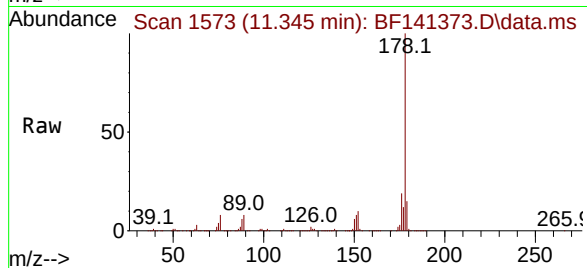
#71
Phenanthrene
Concen: 40.745 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 840073
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 12.5 18.7

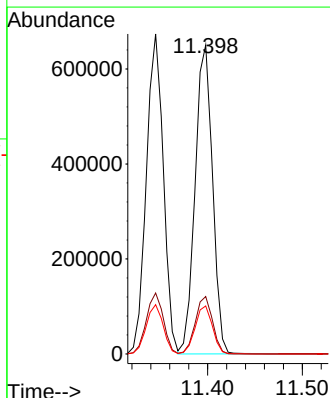
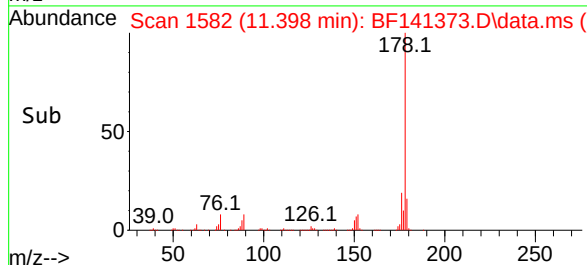
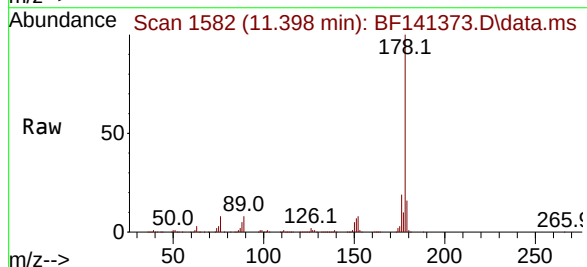
Manual Integrations
APPROVED

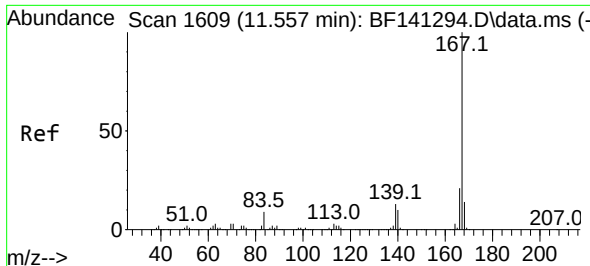
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 41.070 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

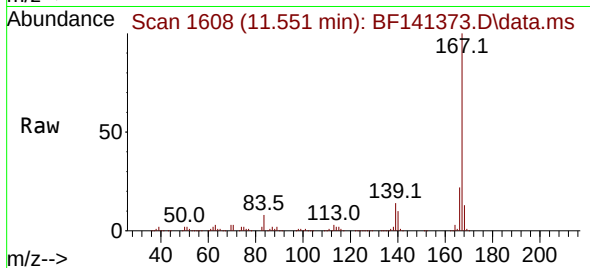
Tgt Ion:178 Resp: 829686
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5





#73
Carbazole
Concen: 41.848 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

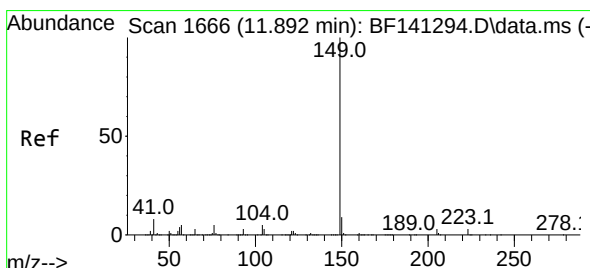
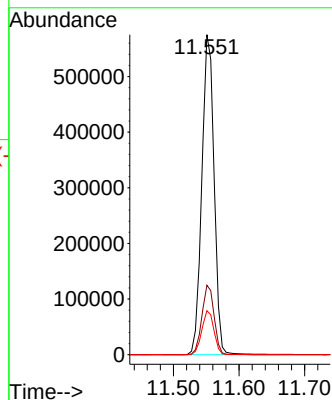
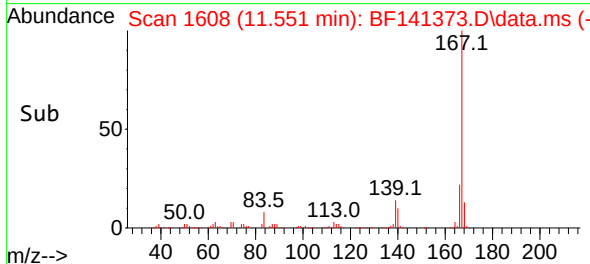
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



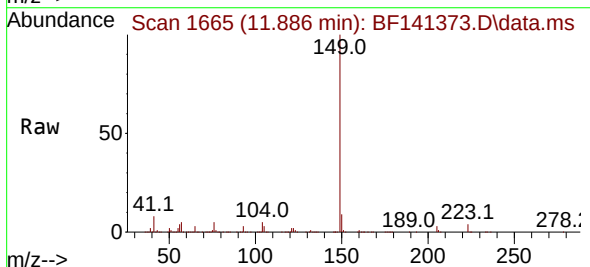
Tgt Ion:167 Resp: 749638
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.8 10.6 16.0

Manual Integrations
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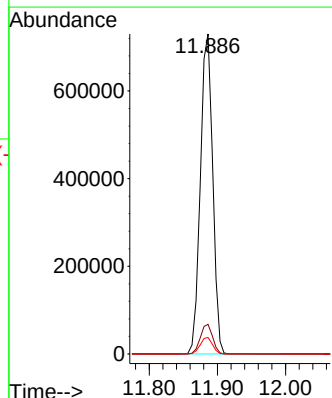
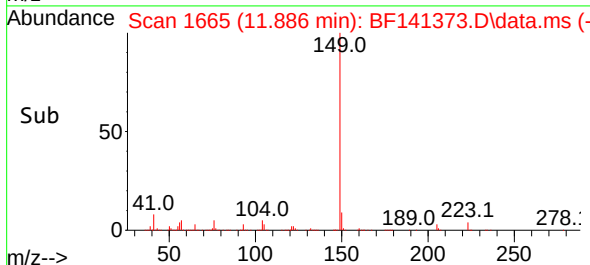
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

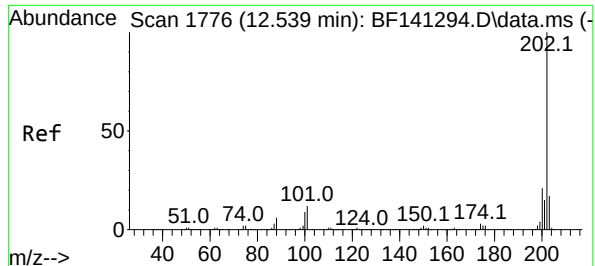


#74
Di-n-butylphthalate
Concen: 42.285 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:149 Resp: 917962
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 42.335 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

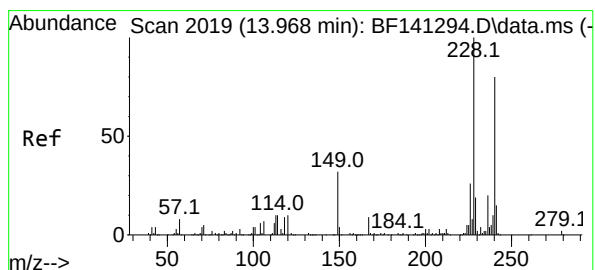
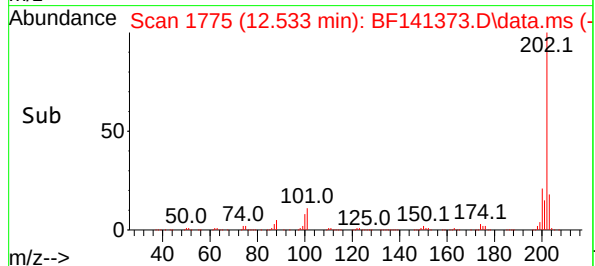
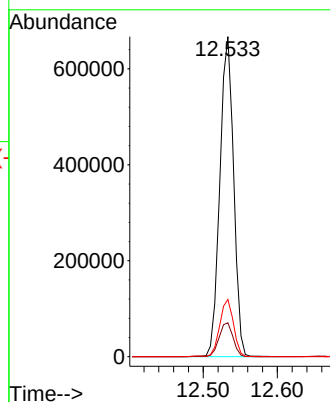
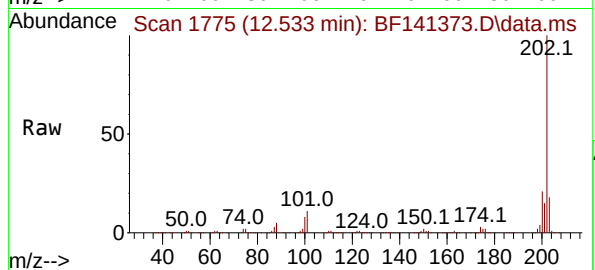
SSTDCCC040

Tgt Ion:	202	Resp:	86184
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.7
203	17.8	0.0	37.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

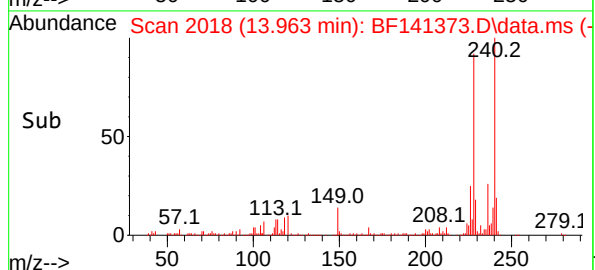
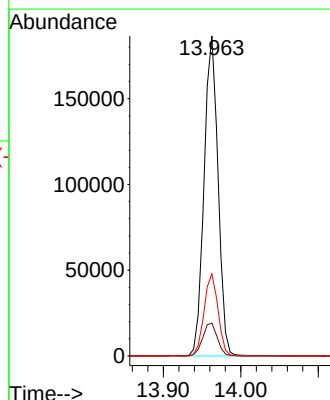
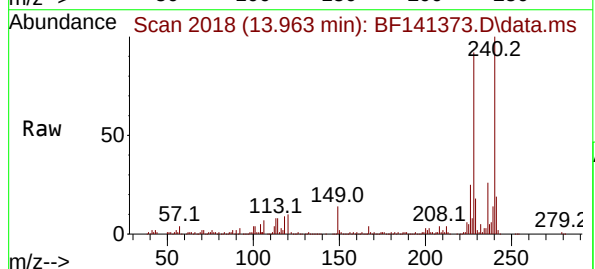
RT: 13.963 min Scan# 2018

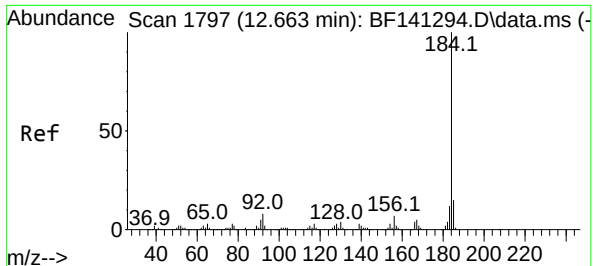
Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:	240	Resp:	233911
Ion Ratio	Lower	Upper	
240	100		
120	10.3	10.0	15.0
236	25.7	19.7	29.5





#77

Benzidine

Concen: 29.208 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 21902

Ion Ratio Lower Upper

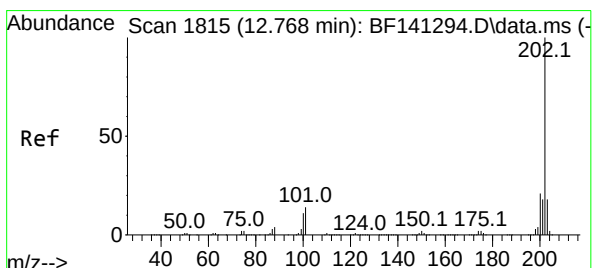
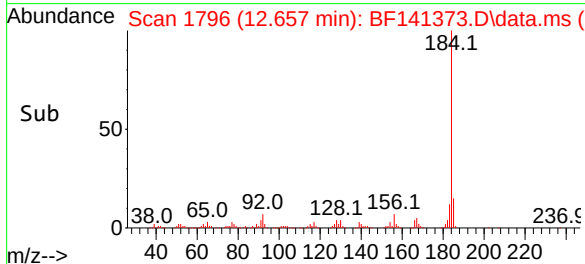
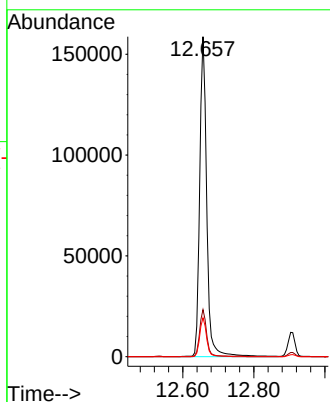
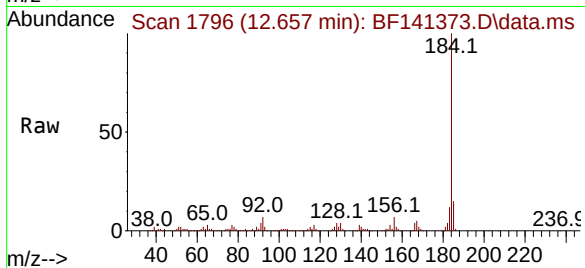
184 100

185 14.7 11.9 17.9

183 12.2 9.5 14.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#78

Pyrene

Concen: 38.305 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

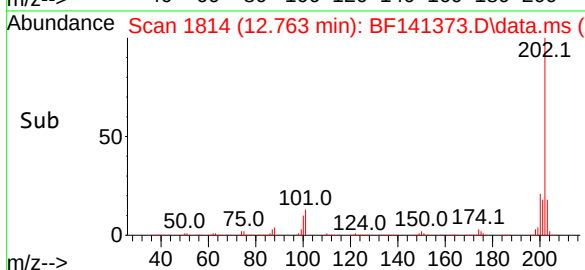
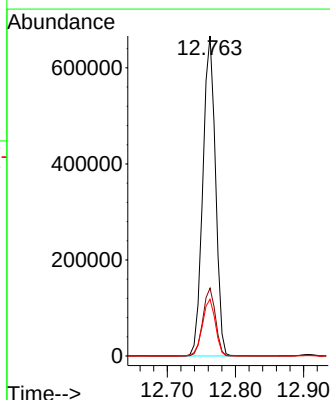
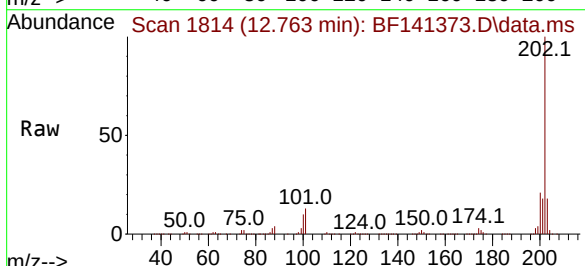
Tgt Ion:202 Resp: 860076

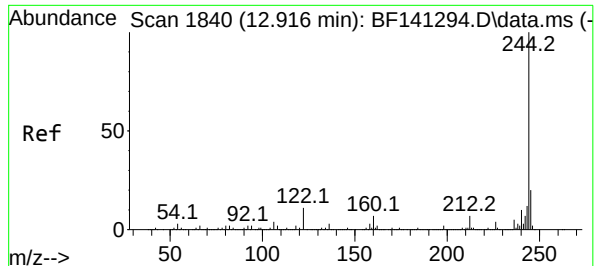
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 78.604 ng

RT: 12.910 min Scan# 119222

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 119222

Ion Ratio Lower Upper

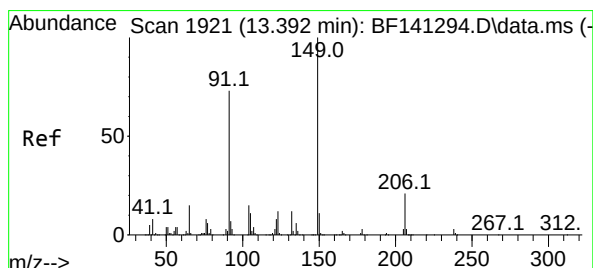
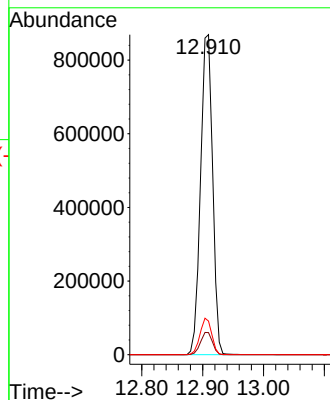
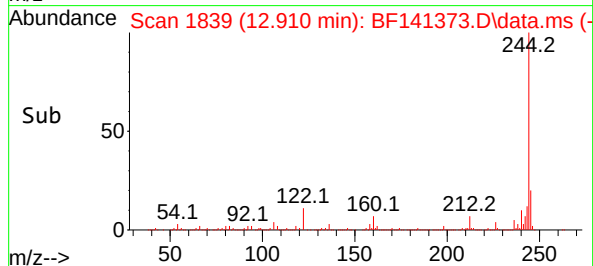
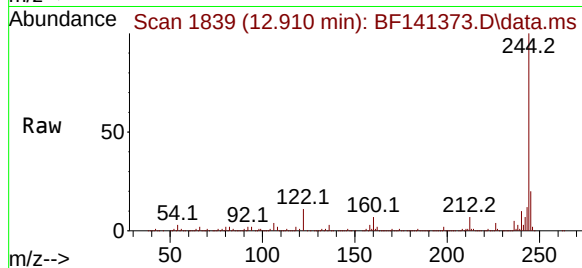
244 100

212 6.9 5.4 8.0

122 10.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#80

Butylbenzylphthalate

Concen: 41.929 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

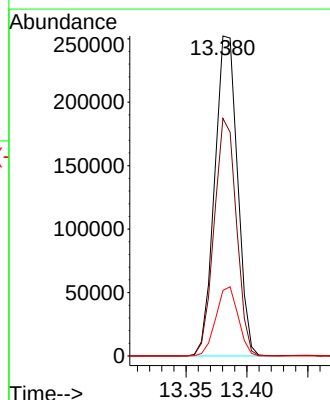
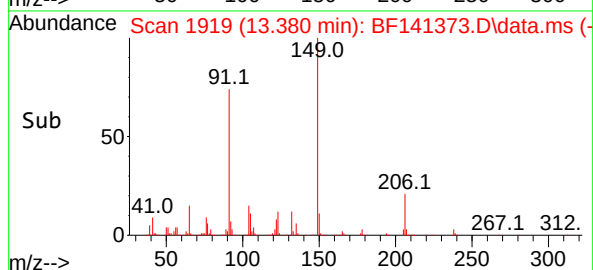
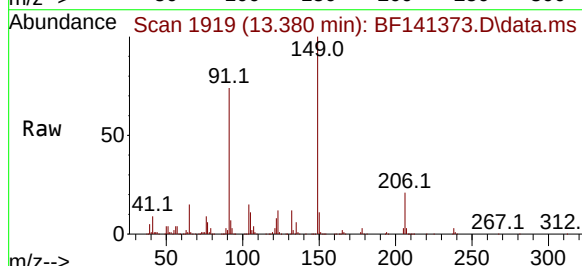
Tgt Ion:149 Resp: 328897

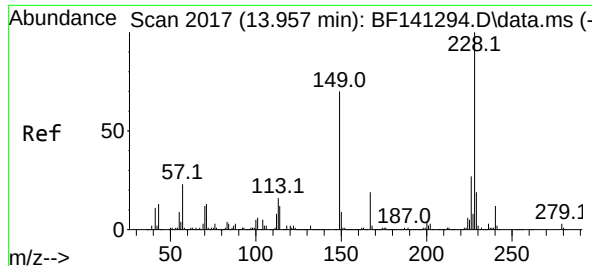
Ion Ratio Lower Upper

149 100

91 74.2 58.6 87.8

206 20.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 37.437 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 604270

Ion Ratio Lower Upper

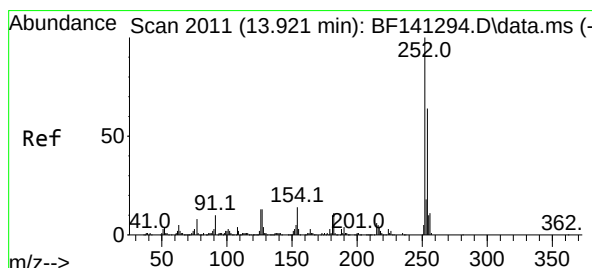
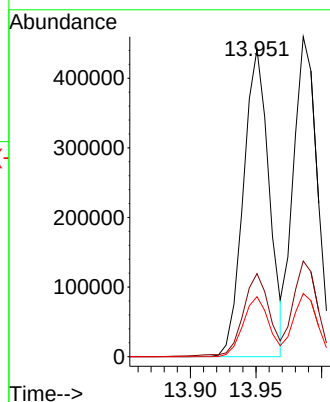
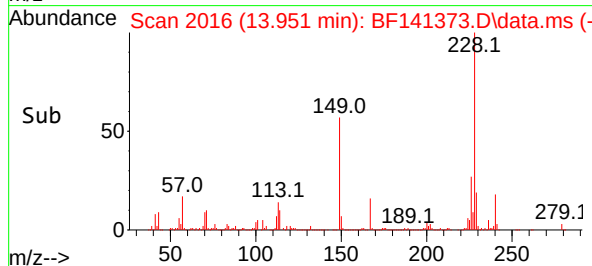
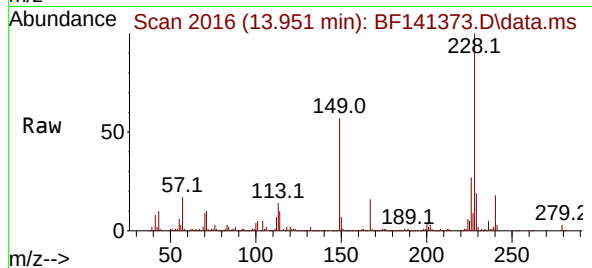
228 100

226 27.0 21.4 32.2

229 19.5 15.5 23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#82

3,3'-Dichlorobenzidine

Concen: 38.639 ng

RT: 13.915 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

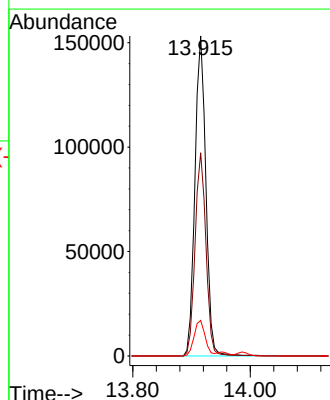
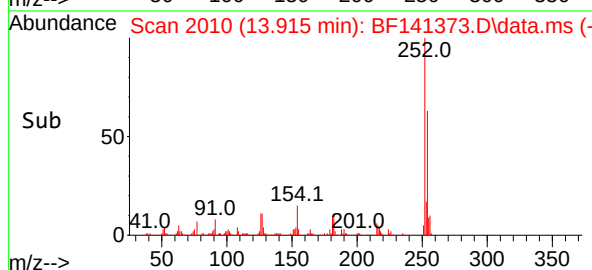
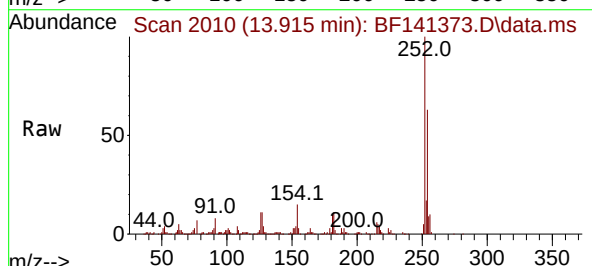
Tgt Ion:252 Resp: 198361

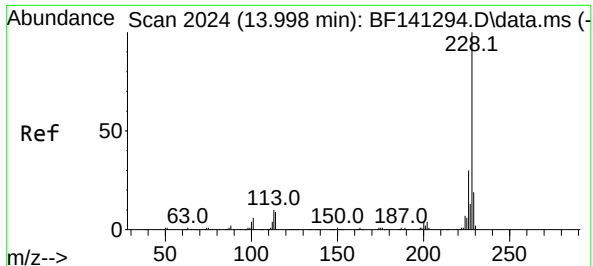
Ion Ratio Lower Upper

252 100

254 63.5 51.3 76.9

126 11.1 10.0 15.0





#83

Chrysene

Concen: 39.215 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 580099

Ion Ratio Lower Upper

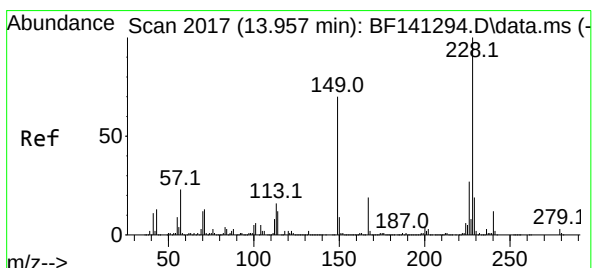
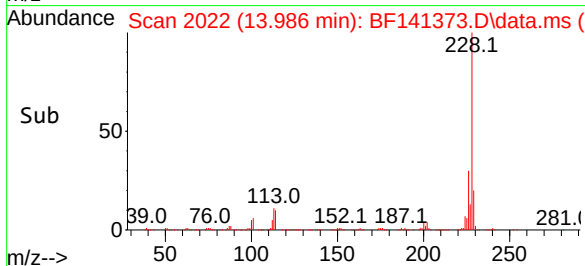
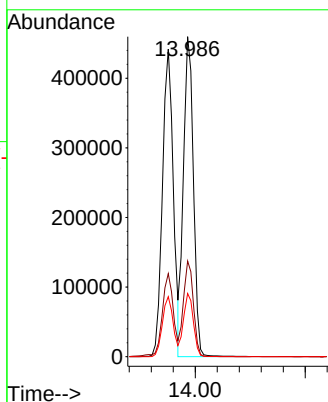
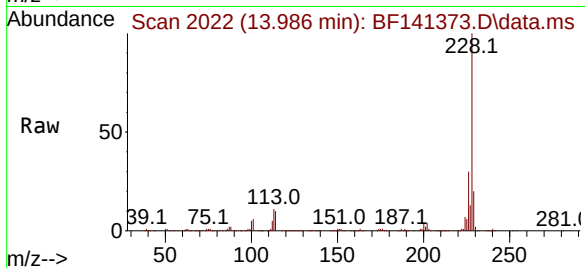
228 100

226 29.9 24.1 36.1

229 19.8 15.6 23.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 43.840 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

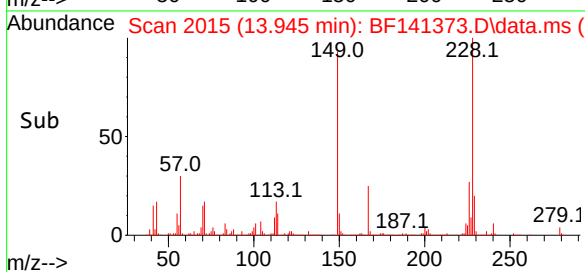
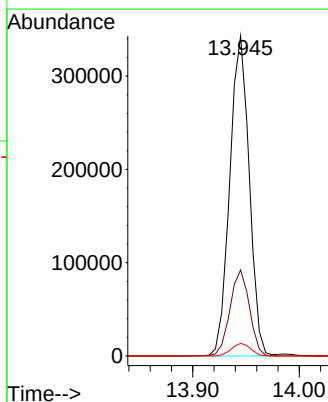
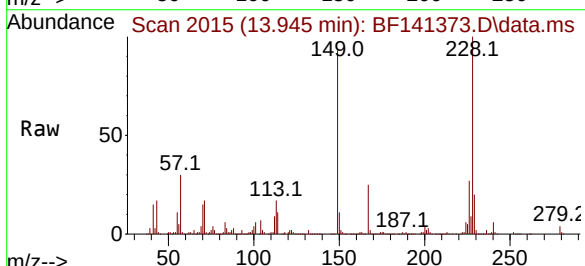
Tgt Ion:149 Resp: 436237

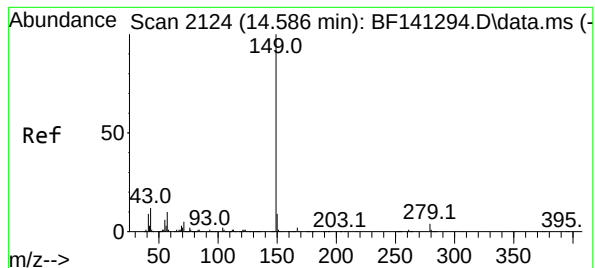
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

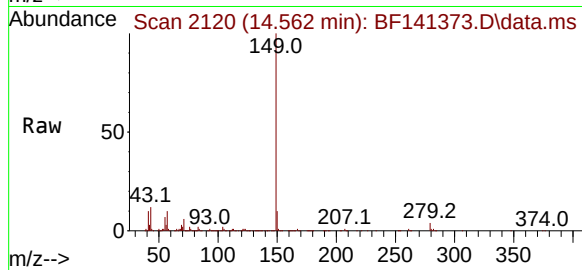
279 4.0 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 44.601 ng
RT: 14.562 min Scan# 2124
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

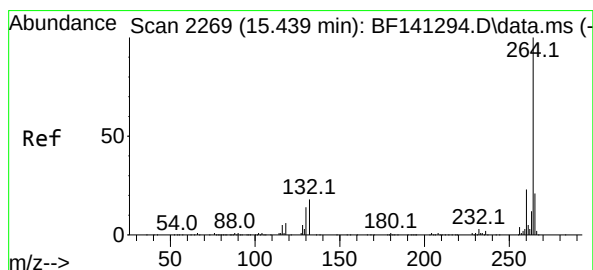
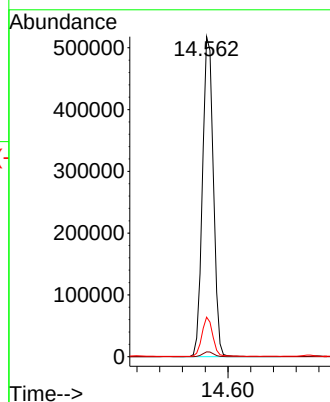
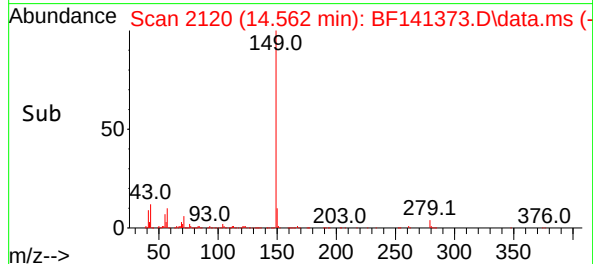
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



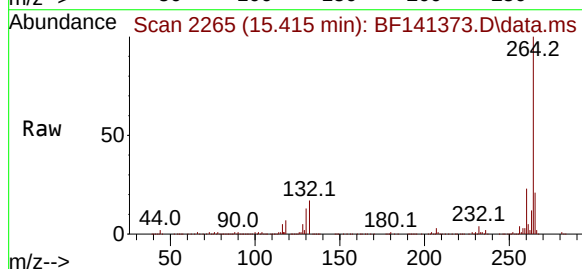
Tgt Ion:149 Resp: 68932
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.2 9.8 14.8

Manual Integrations
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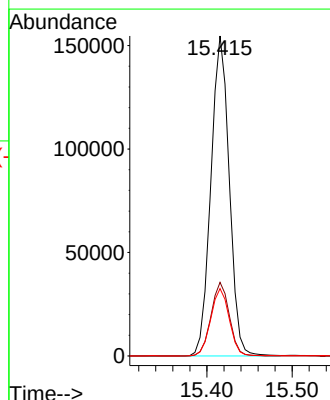
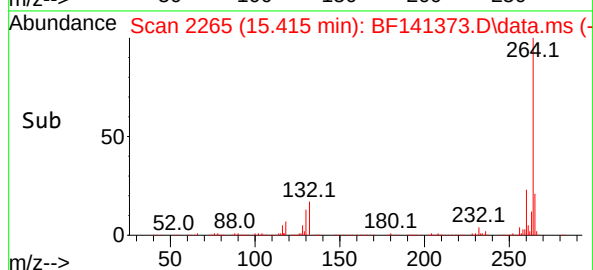
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

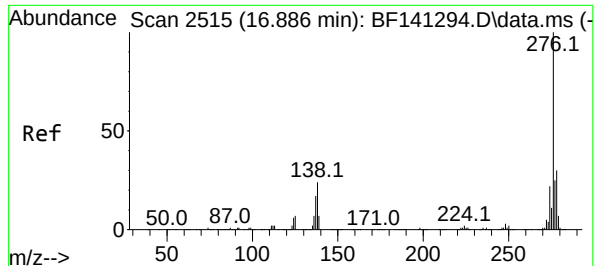


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:264 Resp: 231577
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.1 16.7 25.1





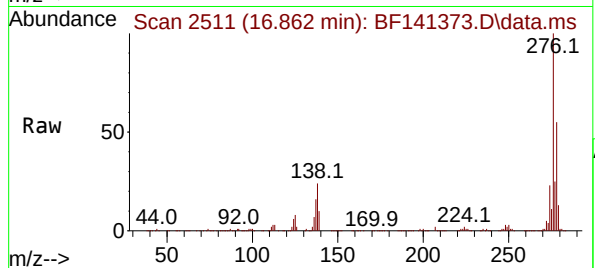
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.938 ng
RT: 16.862 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

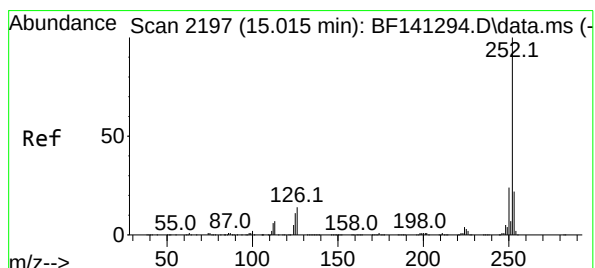
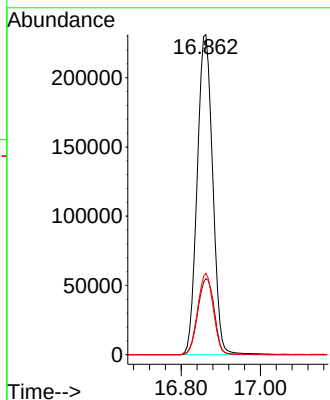
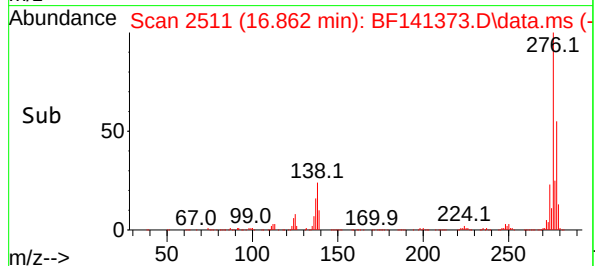
SSTDCCC040



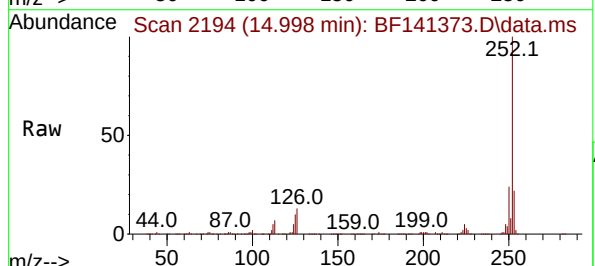
Tgt Ion: 276 Resp: 62682
Ion Ratio Lower Upper
276 100
138 25.3 21.7 32.5
277 25.7 20.3 30.5

Manual Integrations
APPROVED

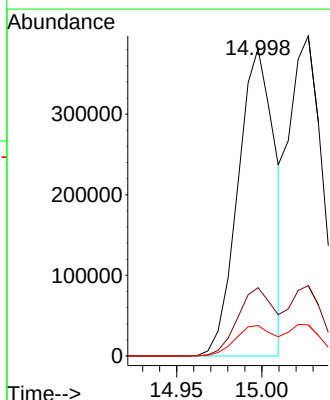
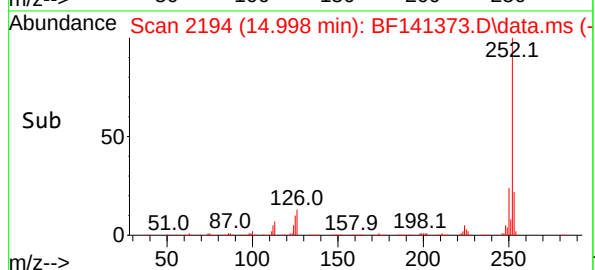
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

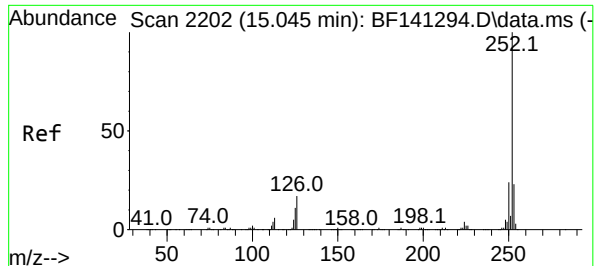


#88
Benzo(b)fluoranthene
Concen: 39.222 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion: 252 Resp: 571343
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 41.439 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTCCCC040

Tgt Ion:252 Resp: 534749

Ion Ratio Lower Upper

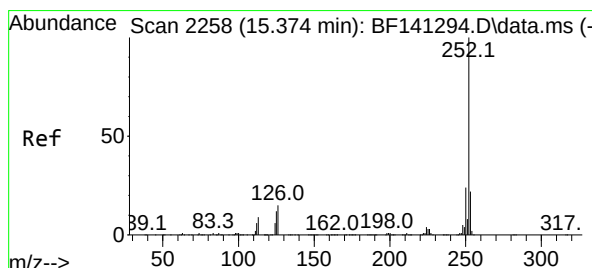
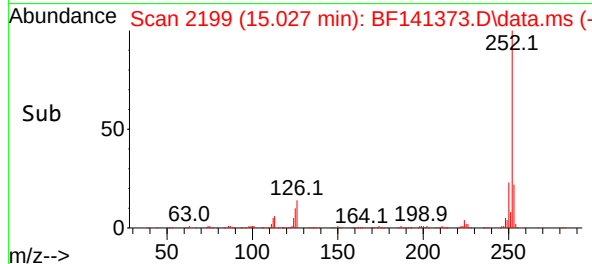
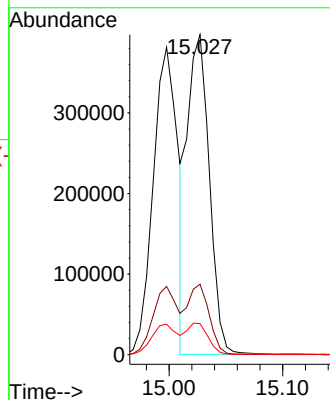
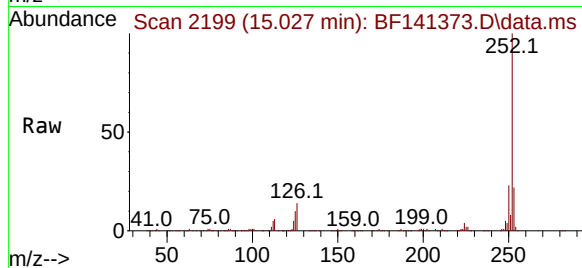
252 100

253 22.0 17.6 26.4

125 9.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#90

Benzo(a)pyrene

Concen: 40.922 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

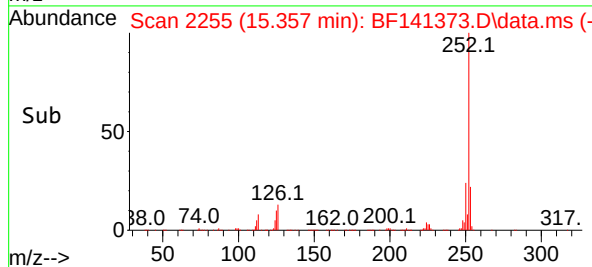
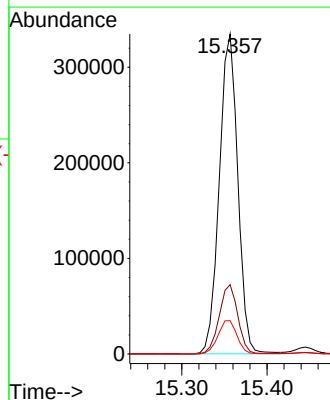
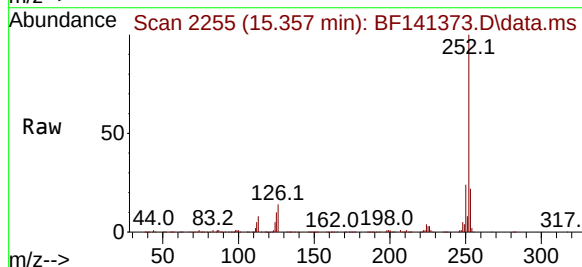
Tgt Ion:252 Resp: 503731

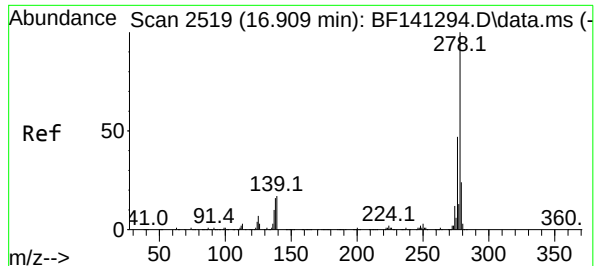
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 10.4 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 42.442 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.041 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

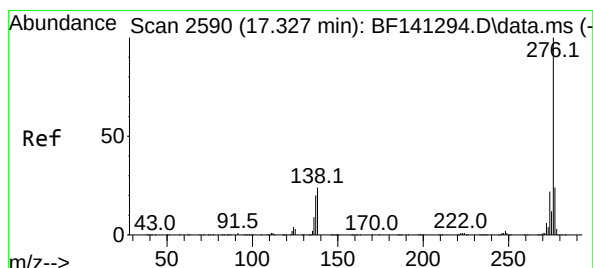
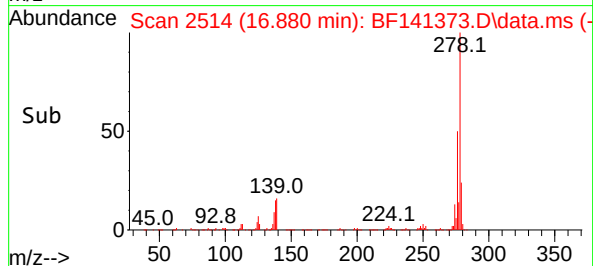
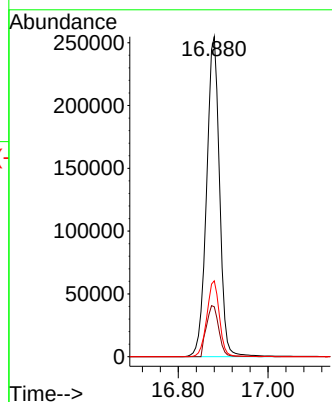
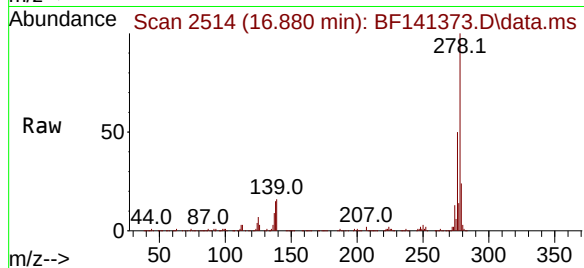
ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 51036
Ion Ratio Lower Upper
278 100
139 15.6 13.9 20.9
279 23.7 18.8 28.2

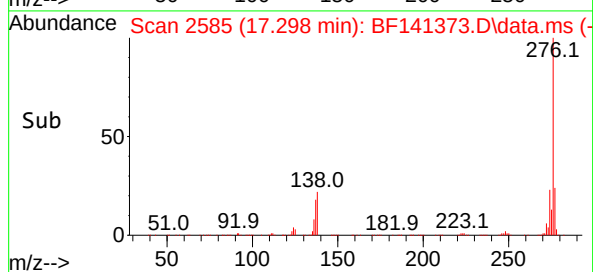
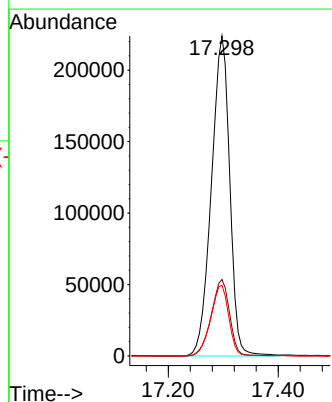
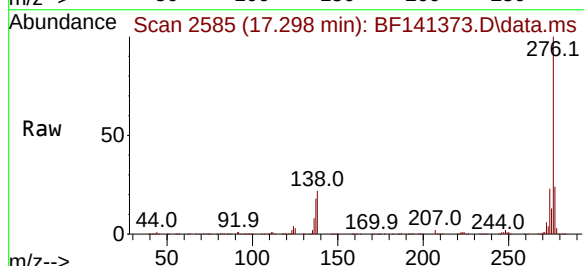
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 41.452 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 518300
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 22.1 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	76	0.00
2	1,4-Dioxane	0.573	0.582	-1.6	83	-0.02
3	Pyridine	1.380	1.232	10.7	71	-0.02
4	n-Nitrosodimethylamine	0.789	0.821	-4.1	83	-0.04
5 S	2-Fluorophenol	1.303	1.302	0.1	83	0.00
6	Aniline	1.403	1.030	26.6#	58	-0.01
7 S	Phenol-d6	1.657	1.598	3.6	80	0.00
8	2-Chlorophenol	1.396	1.391	0.4	82	0.00
9	Benzaldehyde	0.960	1.038	-8.1	88	0.00
10 C	Phenol	1.757	1.694	3.6	79	0.00
11	bis(2-Chloroethyl)ether	1.347	1.310	2.7	81	-0.01
12	1,3-Dichlorobenzene	1.540	1.536	0.3	82	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.570	-1.5	84	0.00
14	1,2-Dichlorobenzene	1.448	1.471	-1.6	84	0.00
15	Benzyl Alcohol	1.133	1.199	-5.8	85	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.192	6.4	76	0.00
17	2-Methylphenol	1.135	1.109	2.3	81	0.00
18	Hexachloroethane	0.571	0.590	-3.3	85	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.981	0.4	84	-0.02
20	3+4-Methylphenols	1.393	1.420	-1.9	84	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22	Acetophenone	0.475	0.486	-2.3	87	-0.01
23 S	Nitrobenzene-d5	0.379	0.382	-0.8	84	0.00
24	Nitrobenzene	0.393	0.389	1.0	81	-0.01
25	Isophorone	0.656	0.653	0.5	83	-0.01
26 C	2-Nitrophenol	0.185	0.188	-1.6	83	-0.01
27	2,4-Dimethylphenol	0.236	0.237	-0.4	82	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.408	2.4	82	-0.01
29 C	2,4-Dichlorophenol	0.289	0.293	-1.4	84	0.00
30	1,2,4-Trichlorobenzene	0.330	0.328	0.6	84	0.00
31	Naphthalene	1.057	1.046	1.0	83	-0.01
32	Benzoic acid	0.217	0.233	-7.4	82	-0.02
33	4-Chloroaniline	0.358	0.293	18.2	67	0.00
34 C	Hexachlorobutadiene	0.194	0.204	-5.2	89	0.00
35	Caprolactam	0.094	0.096	-2.1	84	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.318	-2.6	86	0.00
37	2-Methylnaphthalene	0.672	0.672	0.0	84	0.00
38	1-Methylnaphthalene	0.660	0.660	0.0	85	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.571	-0.4	86	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.186	-10.7	86	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.194	-6.0	90	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.380	-2.2	83	0.00
44	2,4,5-Trichlorophenol	0.405	0.413	-2.0	88	0.00
45 S	2-Fluorobiphenyl	1.299	1.292	0.5	87	0.00
46	1,1'-Biphenyl	1.560	1.536	1.5	84	0.00
47	2-Chloronaphthalene	1.216	1.196	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.388	-1.6	85	0.00
49	Acenaphthylene	1.702	1.683	1.1	84	-0.01
50	Dimethylphthalate	1.351	1.357	-0.4	88	-0.01
51	2,6-Dinitrotoluene	0.314	0.315	-0.3	85	0.00
52 C	Acenaphthene	1.216	1.226	-0.8	87	0.00
53	3-Nitroaniline	0.307	0.310	-1.0	82	-0.01
54 P	2,4-Dinitrophenol	0.146	0.170	-16.4	92	-0.01
55	Dibenzofuran	1.627	1.608	1.2	85	0.00
56 P	4-Nitrophenol	0.225	0.235	-4.4	84	0.01
57	2,4-Dinitrotoluene	0.406	0.423	-4.2	88	-0.01
58	Fluorene	1.262	1.286	-1.9	88	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	88	0.00
60	Diethylphthalate	1.310	1.346	-2.7	88	-0.01
61	4-Chlorophenyl-phenylether	0.617	0.621	-0.6	88	0.00
62	4-Nitroaniline	0.302	0.327	-8.3	90	-0.01
63	Azobenzene	1.311	1.294	1.3	85	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.140	-18.6	93	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.642	0.8	86	-0.01
67	4-Bromophenyl-phenylether	0.224	0.234	-4.5	90	-0.01
68	Hexachlorobenzene	0.238	0.244	-2.5	89	-0.01
69	Atrazine	0.216	0.216	0.0	85	-0.01
70 C	Pentachlorophenol	0.139	0.157	-12.9	92	0.00
71	Phenanthrene	1.075	1.095	-1.9	89	0.00
72	Anthracene	1.053	1.082	-2.8	90	0.00
73	Carbazole	0.934	0.977	-4.6	91	0.00
74	Di-n-butylphthalate	1.132	1.197	-5.7	92	0.00
75 C	Fluoranthene	1.062	1.123	-5.7	93	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzidine	0.641	0.468	27.0#	58	0.00
78	Pyrene	1.920	1.838	4.3	94	0.00
79 S	Terphenyl-d14	1.297	1.274	1.8	97	0.00
80	Butylbenzylphthalate	0.671	0.703	-4.8	101	-0.01
81	Benzo(a)anthracene	1.380	1.292	6.4	91	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.424	3.4	91	-0.01
83	Chrysene	1.265	1.240	2.0	98	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.932	-9.5	107	-0.01
85 c	Di-n-octyl phthalate	1.321	1.473	-11.5	108	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	83	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.353	-4.8	89	-0.04
88	Benzo(b)fluoranthene	1.258	1.234	1.9	91	-0.02
89	Benzo(k)fluoranthene	1.114	1.155	-3.7	88	-0.02
90 C	Benzo(a)pyrene	1.063	1.088	-2.4	89	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.102	-6.1	90	-0.04
92	Benzo(g,h,i)perylene	1.080	1.119	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	76	0.00
2	1,4-Dioxane	40.000	40.599	-1.5	83	-0.02
3	Pyridine	40.000	35.706	10.7	71	-0.02
4	n-Nitrosodimethylamine	40.000	41.662	-4.2	83	-0.04
5 S	2-Fluorophenol	80.000	79.968	0.0	83	0.00
6	Aniline	40.000	29.356	26.6#	58	-0.01
7 S	Phenol-d6	80.000	77.133	3.6	80	0.00
8	2-Chlorophenol	40.000	39.841	0.4	82	0.00
9	Benzaldehyde	40.000	43.247	-8.1	88	0.00
10 C	Phenol	40.000	38.559	3.6	79	0.00
11	bis(2-Chloroethyl)ether	40.000	38.887	2.8	81	-0.01
12	1,3-Dichlorobenzene	40.000	39.899	0.3	82	-0.01
13 C	1,4-Dichlorobenzene	40.000	40.605	-1.5	84	0.00
14	1,2-Dichlorobenzene	40.000	40.620	-1.5	84	0.00
15	Benzyl Alcohol	40.000	42.330	-5.8	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.424	6.4	76	0.00
17	2-Methylphenol	40.000	39.098	2.3	81	0.00
18	Hexachloroethane	40.000	41.378	-3.4	85	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.842	0.4	84	-0.02
20	3+4-Methylphenols	40.000	40.751	-1.9	84	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22	Acetophenone	40.000	40.923	-2.3	87	-0.01
23 S	Nitrobenzene-d5	80.000	80.499	-0.6	84	0.00
24	Nitrobenzene	40.000	39.612	1.0	81	-0.01
25	Isophorone	40.000	39.816	0.5	83	-0.01
26 C	2-Nitrophenol	40.000	40.576	-1.4	83	-0.01
27	2,4-Dimethylphenol	40.000	40.168	-0.4	82	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.010	2.5	82	-0.01
29 C	2,4-Dichlorophenol	40.000	40.508	-1.3	84	0.00
30	1,2,4-Trichlorobenzene	40.000	39.757	0.6	84	0.00
31	Naphthalene	40.000	39.616	1.0	83	-0.01
32	Benzoic acid	40.000	42.934	-7.3	82	-0.02
33	4-Chloroaniline	40.000	32.676	18.3	67	0.00
34 C	Hexachlorobutadiene	40.000	42.128	-5.3	89	0.00
35	Caprolactam	40.000	40.764	-1.9	84	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.066	-2.7	86	0.00
37	2-Methylnaphthalene	40.000	40.024	-0.1	84	0.00
38	1-Methylnaphthalene	40.000	40.034	-0.1	85	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.167	-0.4	86	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.173	-10.4	86	-0.01
42 S	2,4,6-Tribromophenol	80.000	84.706	-5.9	90	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.768	-1.9	83	0.00
44	2,4,5-Trichlorophenol	40.000	40.747	-1.9	88	0.00
45 S	2-Fluorobiphenyl	80.000	79.517	0.6	87	0.00
46	1,1'-Biphenyl	40.000	39.393	1.5	84	0.00
47	2-Chloronaphthalene	40.000	39.346	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	40.613	-1.5	85	0.00
49	Acenaphthylene	40.000	39.561	1.1	84	-0.01
50	Dimethylphthalate	40.000	40.182	-0.5	88	-0.01
51	2,6-Dinitrotoluene	40.000	40.128	-0.3	85	0.00
52 C	Acenaphthene	40.000	40.321	-0.8	87	0.00
53	3-Nitroaniline	40.000	40.403	-1.0	82	-0.01
54 P	2,4-Dinitrophenol	40.000	46.667	-16.7	92	-0.01
55	Dibenzofuran	40.000	39.528	1.2	85	0.00
56 P	4-Nitrophenol	40.000	41.887	-4.7	84	0.01
57	2,4-Dinitrotoluene	40.000	41.657	-4.1	88	-0.01
58	Fluorene	40.000	40.737	-1.8	88	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.131	-5.3	88	0.00
60	Diethylphthalate	40.000	41.105	-2.8	88	-0.01
61	4-Chlorophenyl-phenylether	40.000	40.268	-0.7	88	0.00
62	4-Nitroaniline	40.000	43.258	-8.1	90	-0.01
63	Azobenzene	40.000	39.486	1.3	85	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	47.204	-18.0	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.703	0.7	86	-0.01
67	4-Bromophenyl-phenylether	40.000	41.761	-4.4	90	-0.01
68	Hexachlorobenzene	40.000	41.015	-2.5	89	-0.01
69	Atrazine	40.000	40.023	-0.1	85	-0.01
70 C	Pentachlorophenol	40.000	45.068	-12.7	92	0.00
71	Phenanthrene	40.000	40.745	-1.9	89	0.00
72	Anthracene	40.000	41.070	-2.7	90	0.00
73	Carbazole	40.000	41.848	-4.6	91	0.00
74	Di-n-butylphthalate	40.000	42.285	-5.7	92	0.00
75 C	Fluoranthene	40.000	42.335	-5.8	93	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzydine	40.000	29.208	27.0#	58	0.00
78	Pyrene	40.000	38.305	4.2	94	0.00
79 S	Terphenyl-d14	80.000	78.604	1.7	97	0.00
80	Butylbenzylphthalate	40.000	41.929	-4.8	101	-0.01
81	Benzo(a)anthracene	40.000	37.437	6.4	91	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.639	3.4	91	-0.01
83	Chrysene	40.000	39.215	2.0	98	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	43.840	-9.6	107	-0.01
85 c	Di-n-octyl phthalate	40.000	44.601	-11.5	108	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	83	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.938	-4.8	89	-0.04
88	Benzo(b)fluoranthene	40.000	39.222	1.9	91	-0.02
89	Benzo(k)fluoranthene	40.000	41.439	-3.6	88	-0.02
90 C	Benzo(a)pyrene	40.000	40.922	-2.3	89	-0.02
91	Dibenzo(a,h)anthracene	40.000	42.442	-6.1	90	-0.04
92	Benzo(g,h,i)perylene	40.000	41.452	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.270		-8.0	
2-Fluorophenol	1.303	1.302		-0.1	
Phenol-d6	1.657	1.560		-5.9	
1,4-Dichlorobenzene	1.547	1.539		-0.5	20.0
2-Methylphenol	1.135	1.074		-5.4	
3+4-Methylphenols	1.393	1.375		-1.3	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
2,4-Dinitrotoluene	0.406	0.441		8.6	
2,4,6-Tribromophenol	0.183	0.202		10.4	
Hexachlorobenzene	0.238	0.243		2.1	
Pentachlorophenol	0.139	0.161		15.8	20.0
Terphenyl-d14	1.297	1.200		-7.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87552	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	331835	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	180473	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	318826	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	235294	20.000	ng	-0.01
86) Perylene-d12	15.421	264	201713	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	455924	79.945	ng	0.00
7) Phenol-d6	6.434	99	546451	75.322	ng	0.00
23) Nitrobenzene-d5	7.357	82	519110	82.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	145841	88.147	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	958786	81.771	ng	-0.01
79) Terphenyl-d14	12.904	244	1129373	74.022	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.440	88	97099	38.714	ng	98
3) Pyridine	3.175	79	222403	36.803	ng	97
4) n-Nitrosodimethylamine	3.122	42	142862m	41.383	ng	
6) Aniline	6.451	93	220322	35.876	ng	# 16
8) 2-Chlorophenol	6.581	128	242879	39.734	ng	96
9) Benzaldehyde	6.340	77	156434	37.226	ng	99
10) Phenol	6.445	94	288967	37.574	ng	# 71
11) bis(2-Chloroethyl)ether	6.528	93	221049	37.487	ng	98
12) 1,3-Dichlorobenzene	6.734	146	262908	39.009	ng	99
13) 1,4-Dichlorobenzene	6.810	146	269514	39.806	ng	100
14) 1,2-Dichlorobenzene	6.963	146	251753	39.708	ng	99
15) Benzyl Alcohol	6.934	79	203978	41.142	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	369176	36.004	ng	80
17) 2-Methylphenol	7.057	107	188055	37.854	ng	# 92
18) Hexachloroethane	7.304	117	102015	40.842	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	162661	37.733	ng	100
20) 3+4-Methylphenols	7.210	107	240839	39.483	ng	# 88
22) Acetophenone	7.198	105	326166	41.351	ng	# 98
24) Nitrobenzene	7.375	77	264172	40.497	ng	100
25) Isophorone	7.610	82	426672	39.213	ng	99
26) 2-Nitrophenol	7.692	139	122977	39.973	ng	97
27) 2,4-Dimethylphenol	7.734	122	152342m	38.904	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	267181	38.495	ng	99
29) 2,4-Dichlorophenol	7.939	162	196668	41.025	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	222442	40.631	ng	99
31) Naphthalene	8.098	128	703917	40.155	ng	100
32) Benzoic acid	7.845	122	152241	42.292	ng	100
33) 4-Chloroaniline	8.151	127	230545	38.783	ng	99
34) Hexachlorobutadiene	8.216	225	137723	42.897	ng	99
35) Caprolactam	8.510	113	62051	39.634	ng	95
36) 4-Chloro-3-methylphenol	8.634	107	215967	42.000	ng	95
37) 2-Methylnaphthalene	8.787	142	453714	40.722	ng	98
38) 1-Methylnaphthalene	8.886	142	443121	40.487	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	211825	41.257	ng	100
41) Hexachlorocyclopentadiene	8.939	237	66678	43.974	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	137805	41.007	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

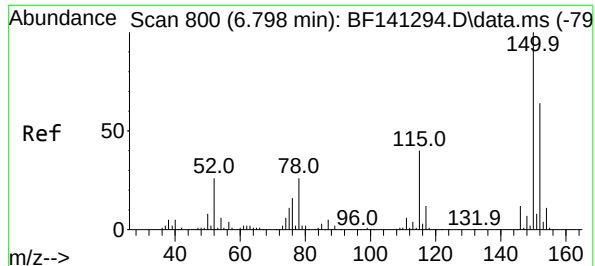
Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	152071	41.577	ng	100
46) 1,1'-Biphenyl	9.251	154	564241	40.089	ng	99
47) 2-Chloronaphthalene	9.275	162	436455	39.785	ng	99
48) 2-Nitroaniline	9.375	65	140664	40.764	ng	99
49) Acenaphthylene	9.692	152	619791	40.360	ng	100
50) Dimethylphthalate	9.557	163	494930	40.604	ng	100
51) 2,6-Dinitrotoluene	9.616	165	115835	40.929	ng	98
52) Acenaphthene	9.863	154	453408	41.328	ng	100
53) 3-Nitroaniline	9.786	138	115797	41.746	ng	98
54) 2,4-Dinitrophenol	9.892	184	59519	45.240	ng	92
55) Dibenzofuran	10.033	168	602409	41.022	ng	97
56) 4-Nitrophenol	9.963	139	92908	45.798	ng	96
57) 2,4-Dinitrotoluene	10.022	165	159291	43.471	ng	98
58) Fluorene	10.381	166	471526	41.395	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	123166	42.803	ng	98
60) Diethylphthalate	10.251	149	495870	41.956	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	233902	42.037	ng	100
62) 4-Nitroaniline	10.398	138	123996	45.468	ng	93
63) Azobenzene	10.533	77	475982	40.234	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	87646	46.476	ng	97
66) n-Nitrosodiphenylamine	10.492	169	404177	39.195	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	143325	40.154	ng	99
68) Hexachlorobenzene	10.928	284	155137	40.974	ng	99
69) Atrazine	11.022	200	136423	39.568	ng	99
70) Pentachlorophenol	11.128	266	102799	46.366	ng	100
71) Phenanthrene	11.339	178	707114	41.259	ng	99
72) Anthracene	11.392	178	696374	41.470	ng	99
73) Carbazole	11.551	167	655823	44.044	ng	99
74) Di-n-butylphthalate	11.880	149	774119	42.899	ng	100
75) Fluoranthene	12.533	202	790425	46.710	ng	98
77) Benzidine	12.657	184	284455	37.710	ng	99
78) Pyrene	12.763	202	813495	36.018	ng	100
80) Butylbenzylphthalate	13.386	149	325399	41.239	ng	97
81) Benzo(a)anthracene	13.951	228	614138	37.824	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193800	37.529	ng	99
83) Chrysene	13.986	228	597592	40.160	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	428215	42.781	ng	98
85) Di-n-octyl phthalate	14.568	149	666025	42.840	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	539887	41.469	ng	97
88) Benzo(b)fluoranthene	15.004	252	541045	42.641	ng	99
89) Benzo(k)fluoranthene	15.027	252	459921	40.917	ng	99
90) Benzo(a)pyrene	15.363	252	432427	40.330	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430740	41.123	ng	98
92) Benzo(g,h,i)perylene	17.304	276	448843	41.212	ng	96

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

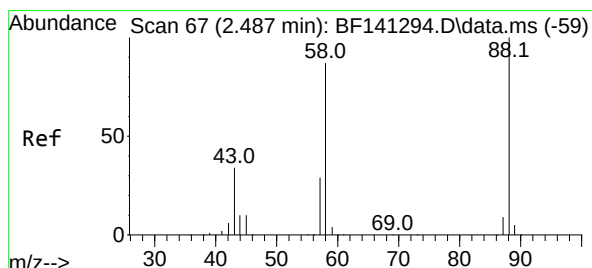
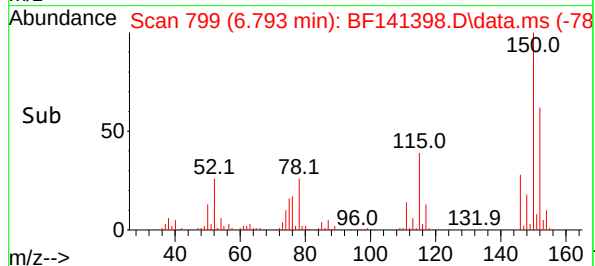
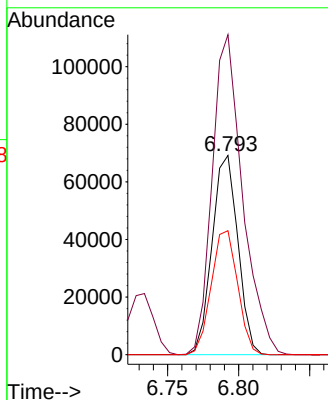
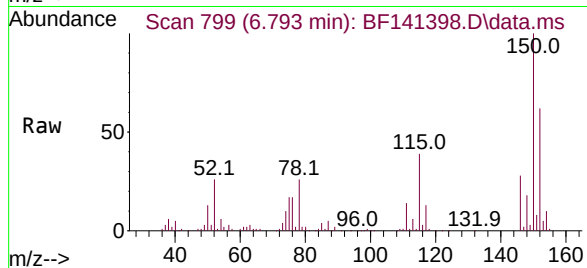
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- 16
- 17



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

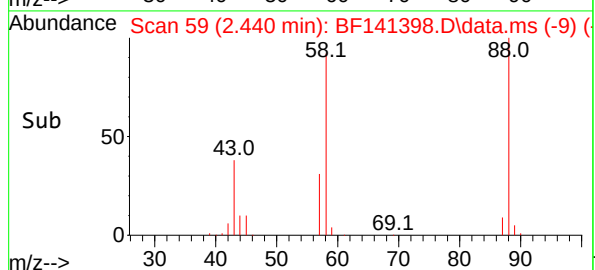
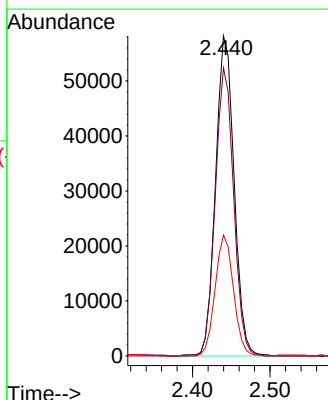
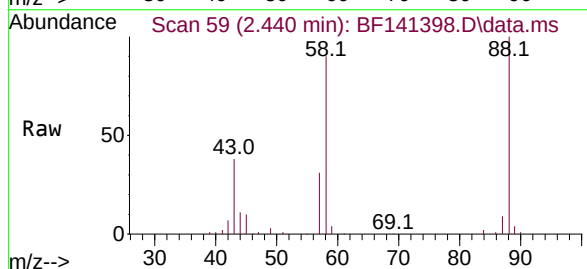
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

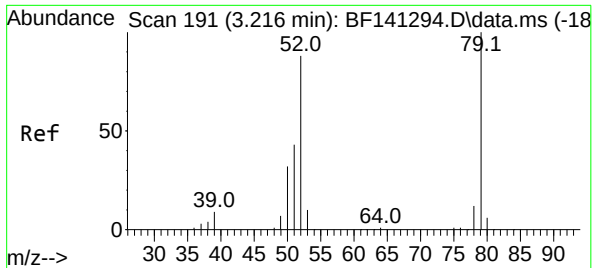
Tgt Ion:152 Resp: 87552
 Ion Ratio Lower Upper
 152 100
 150 160.6 125.9 188.9
 115 62.3 49.7 74.5



#2
 1,4-Dioxane
 Concen: 38.714 ng
 RT: 2.440 min Scan# 59
 Delta R.T. -0.053 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

Tgt Ion: 88 Resp: 97099
 Ion Ratio Lower Upper
 88 100
 58 89.1 70.2 105.4
 43 37.5 27.6 41.4

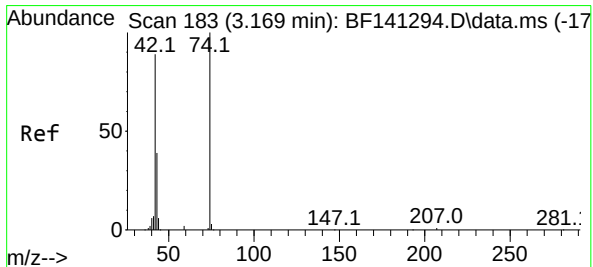
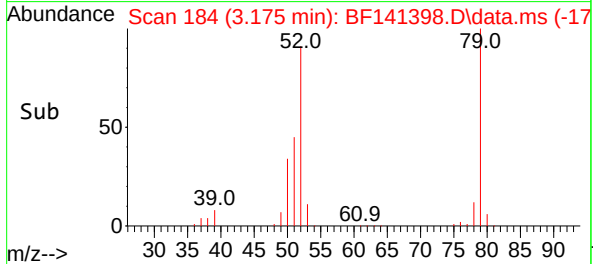
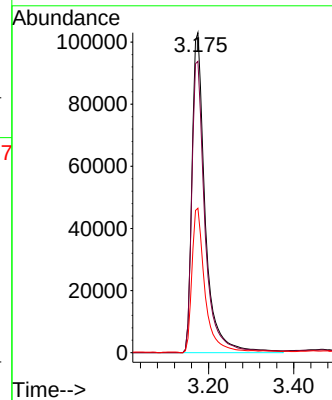
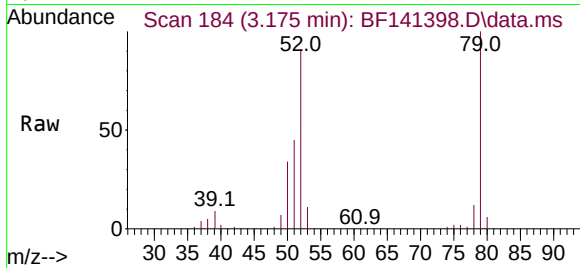




#3
Pyridine
Concen: 36.803 ng
RT: 3.175 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

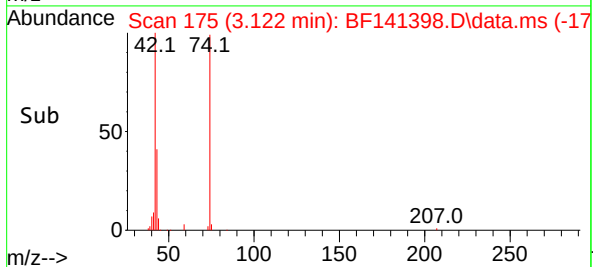
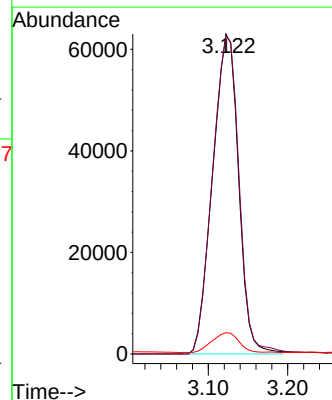
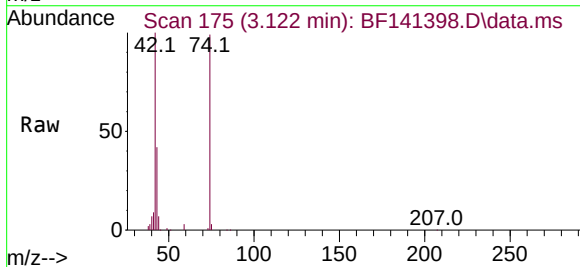
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

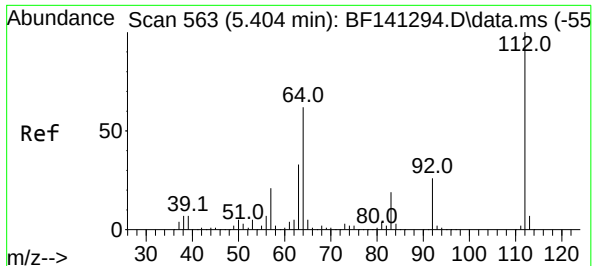
Tgt Ion: 79 Resp: 222403
Ion Ratio Lower Upper
79 100
52 91.1 70.3 105.5
51 45.1 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 41.383 ng m
RT: 3.122 min Scan# 175
Delta R.T. -0.077 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 42 Resp: 142862
Ion Ratio Lower Upper
42 100
74 99.4 90.3 135.5
44 6.7 5.7 8.5

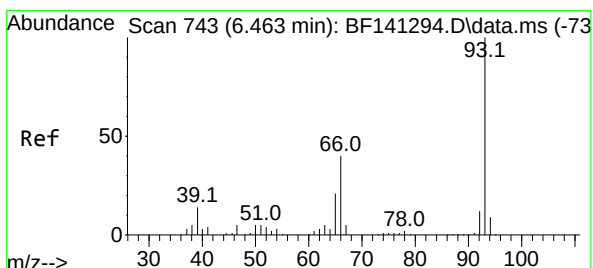
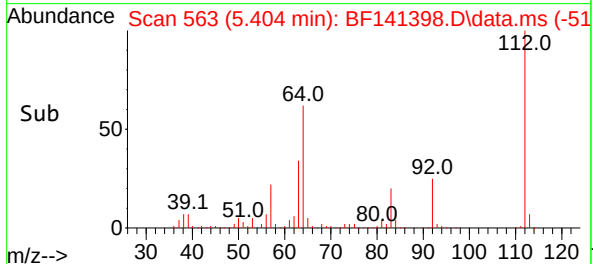
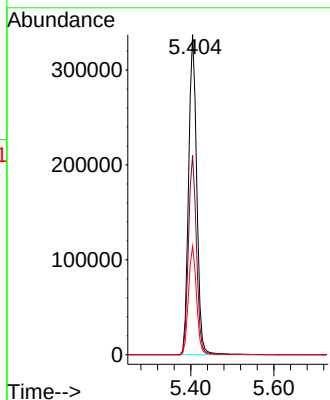
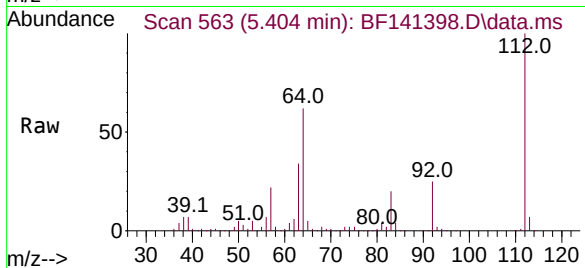




#5
2-Fluorophenol
Concen: 79.945 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

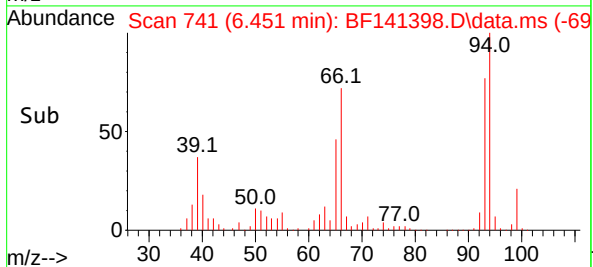
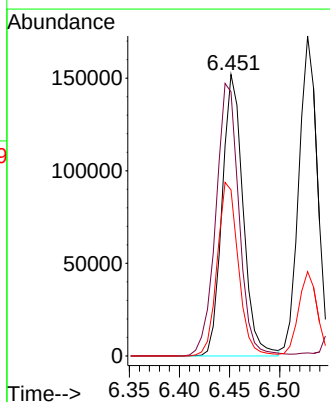
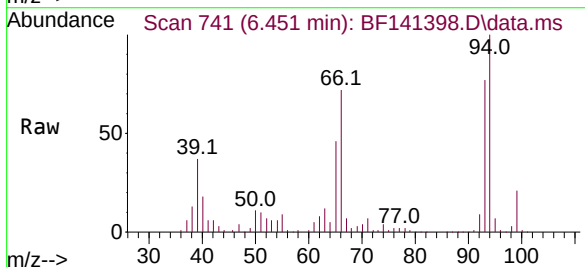
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

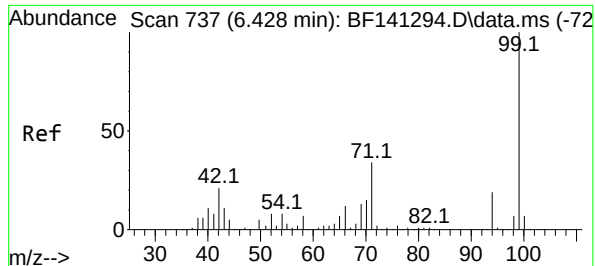
Tgt Ion:112 Resp: 455924
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.9 26.1 39.1



#6
Aniline
Concen: 35.876 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 220322
Ion Ratio Lower Upper
93 100
66 93.9 32.5 48.7#
65 59.0 17.0 25.6#

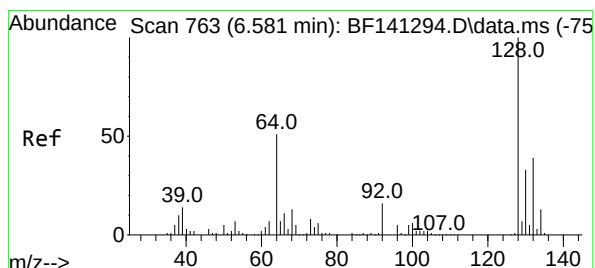
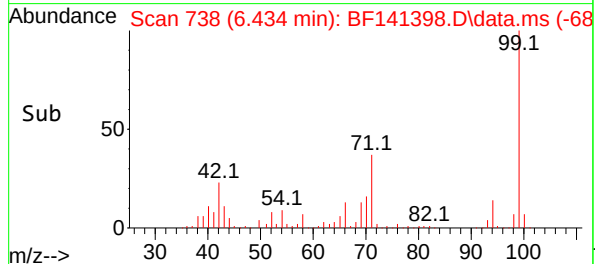
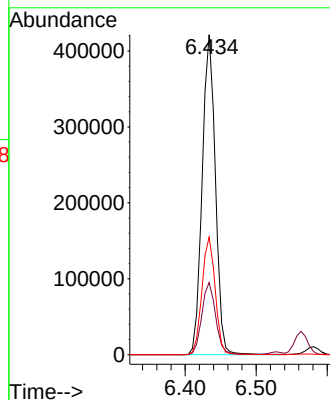
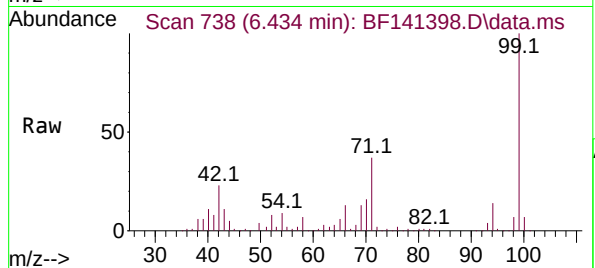




#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

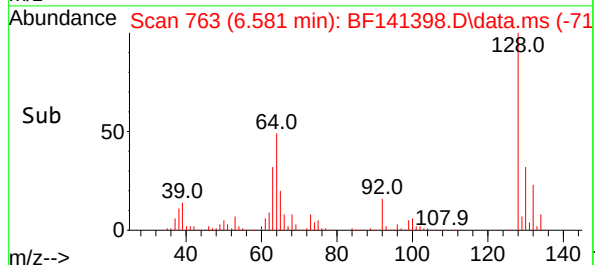
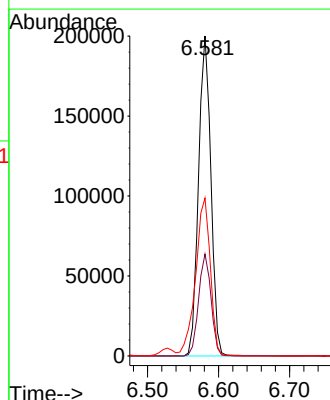
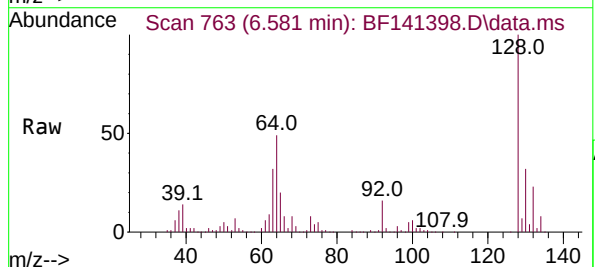
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

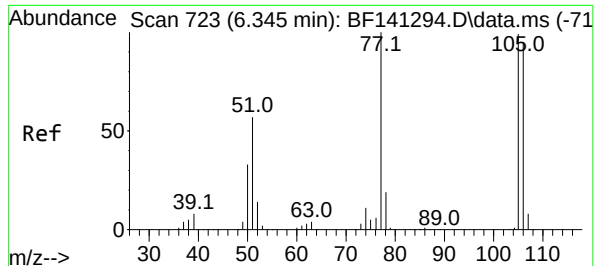
Tgt Ion: 99 Resp: 546451
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.7 26.9 40.3



#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 128 Resp: 242879
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 49.3 32.9 72.9





#9

Benzaldehyde

Concen: 37.226 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

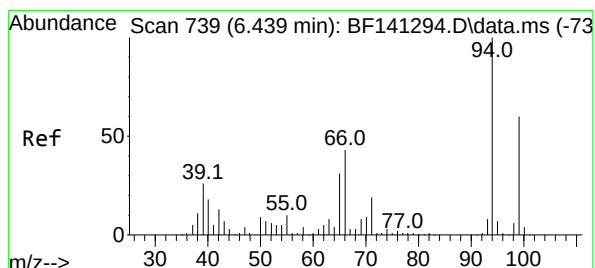
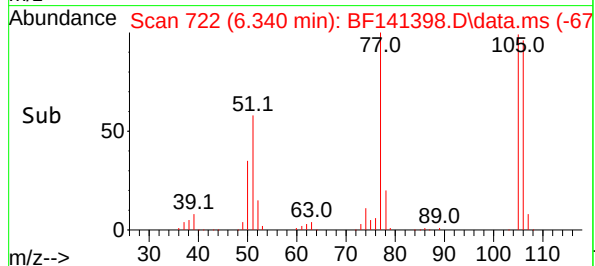
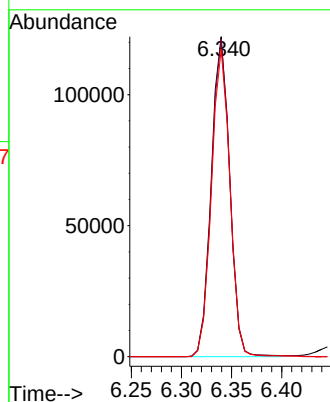
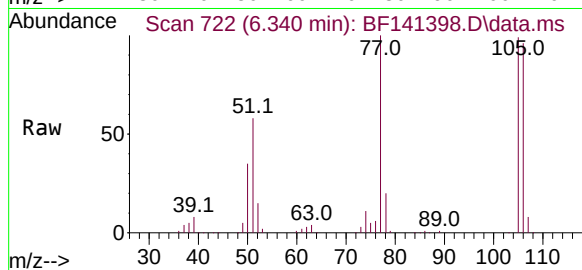
Tgt Ion: 77 Resp: 156434

Ion Ratio Lower Upper

77 100

105 99.2 79.4 119.4

106 96.0 74.6 114.6



#10

Phenol

Concen: 37.574 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

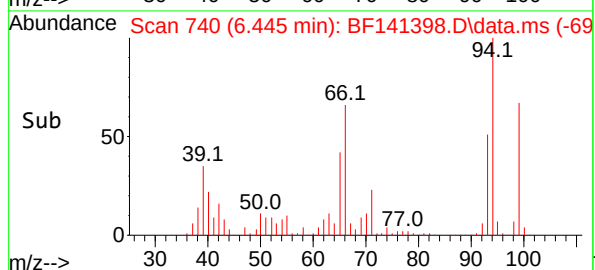
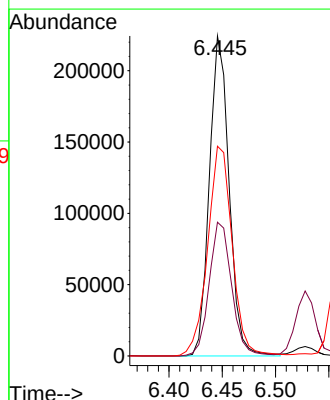
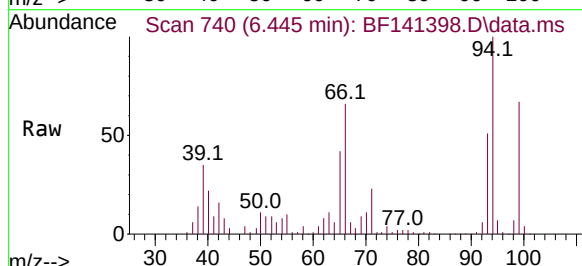
Tgt Ion: 94 Resp: 288967

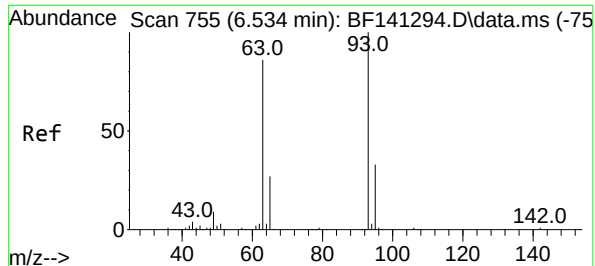
Ion Ratio Lower Upper

94 100

65 41.8 10.8 50.8

66 65.6 23.3 63.3#





#11

bis(2-Chloroethyl)ether

Concen: 37.487 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

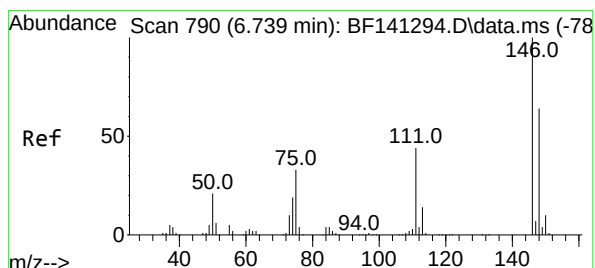
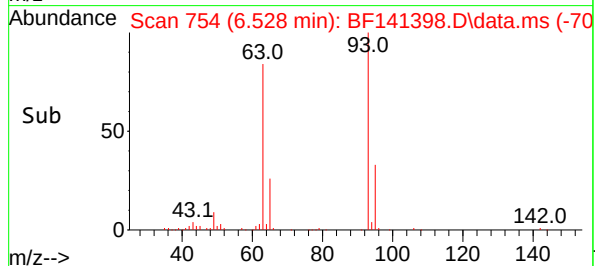
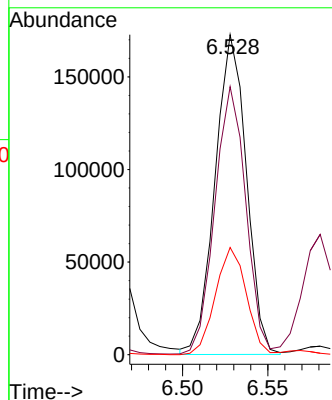
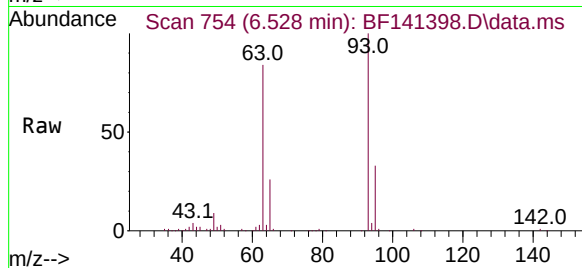
Tgt Ion: 93 Resp: 221049

Ion Ratio Lower Upper

93 100

63 83.7 65.0 105.0

95 33.5 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.009 ng

RT: 6.734 min Scan# 789

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

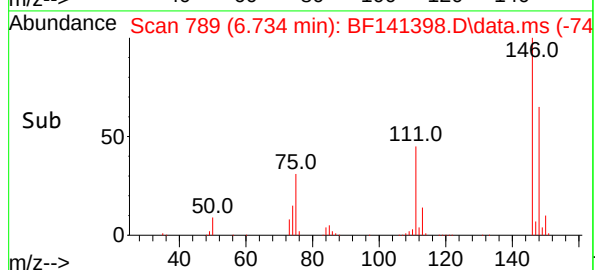
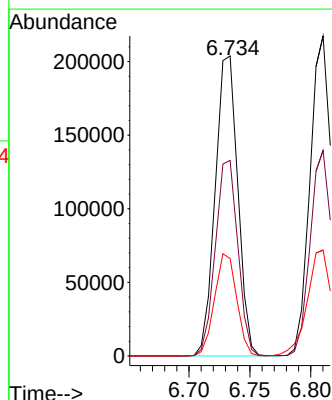
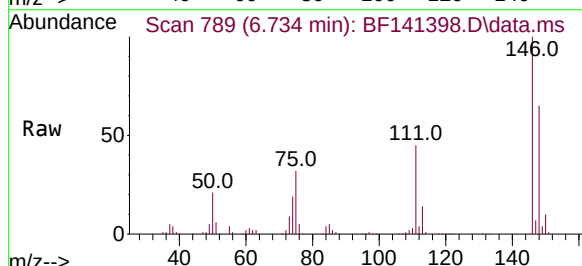
Tgt Ion: 146 Resp: 262908

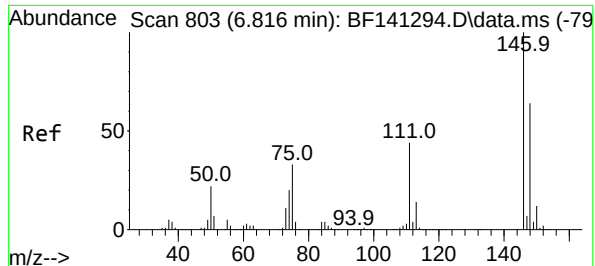
Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

75 32.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.806 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

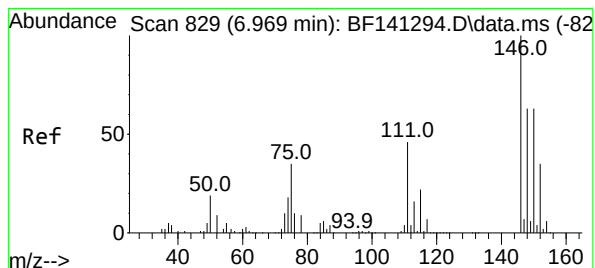
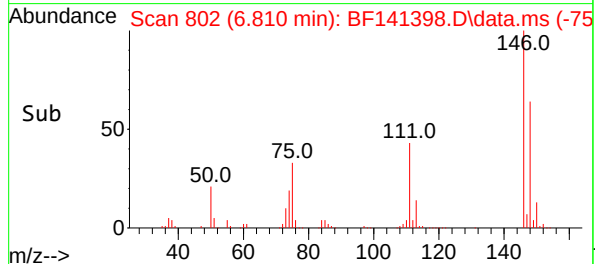
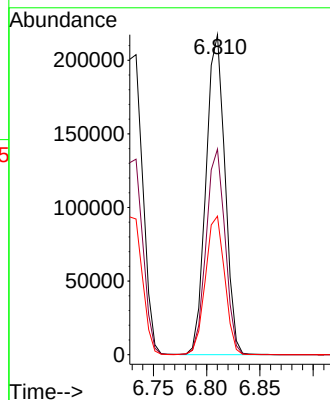
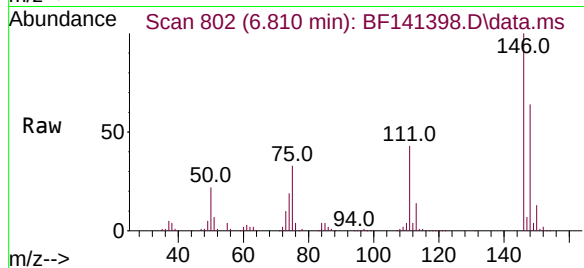
Tgt Ion:146 Resp: 269514

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

111 43.3 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 39.708 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

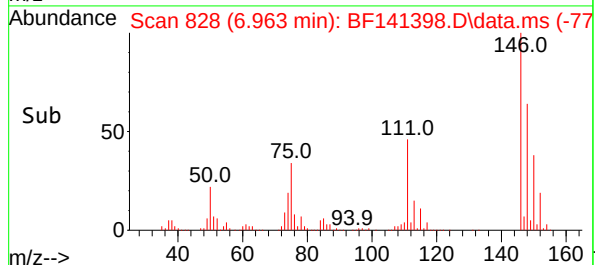
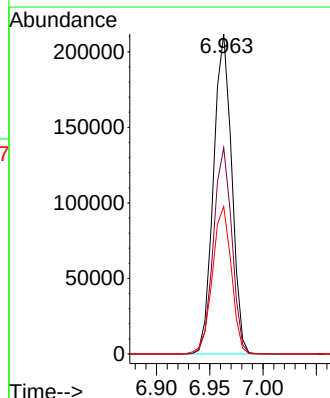
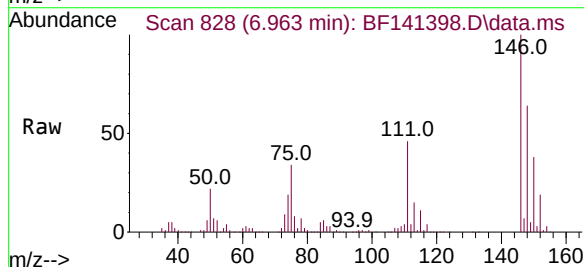
Tgt Ion:146 Resp: 251753

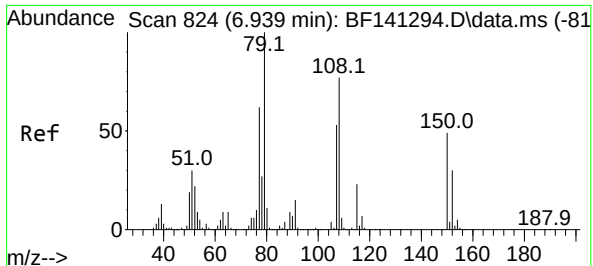
Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

111 46.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 41.142 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

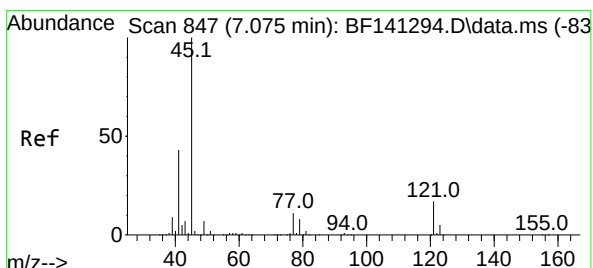
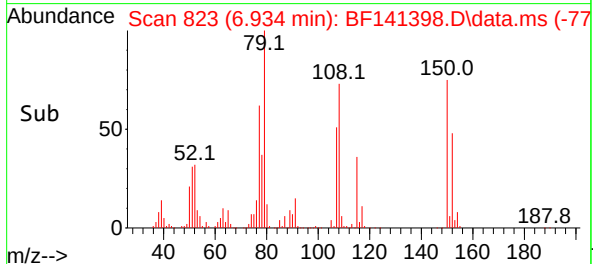
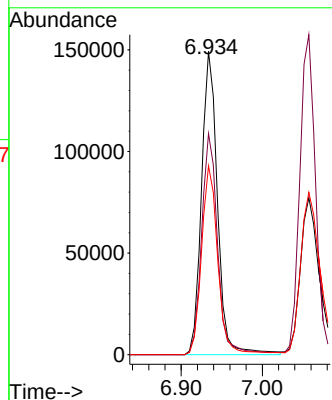
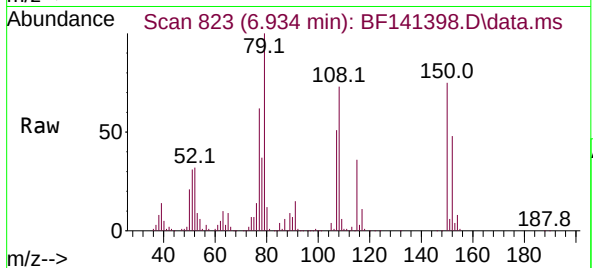
Tgt Ion: 79 Resp: 203978

Ion Ratio Lower Upper

79 100

108 72.9 61.4 92.0

77 62.3 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.004 ng

RT: 7.069 min Scan# 846

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

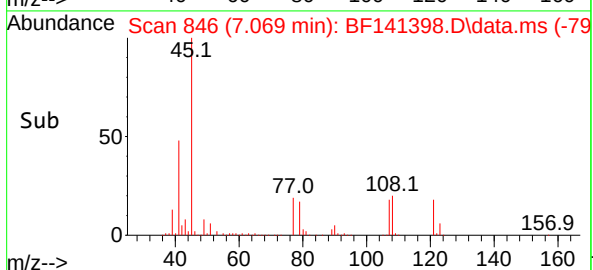
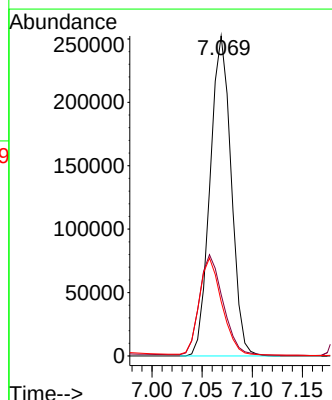
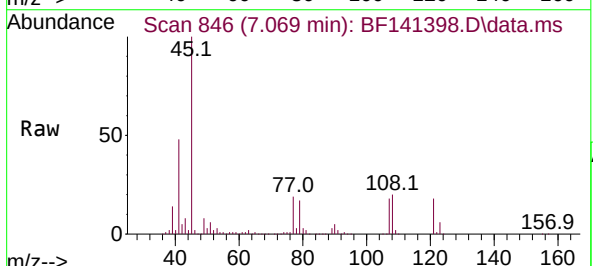
Tgt Ion: 45 Resp: 369176

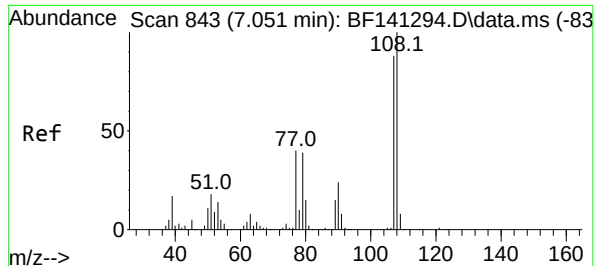
Ion Ratio Lower Upper

45 100

77 19.2 0.0 31.8

79 17.0 0.0 29.1





#17

2-Methylphenol

Concen: 37.854 ng

RT: 7.057 min Scan# 84

Delta R.T. -0.000 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 188055

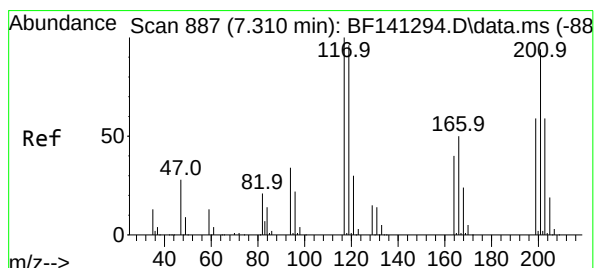
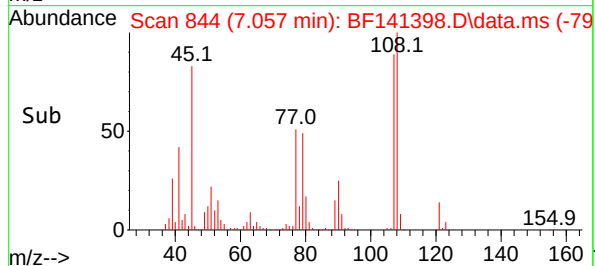
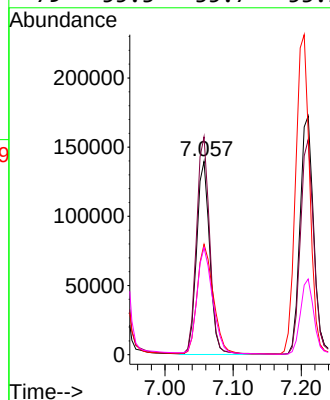
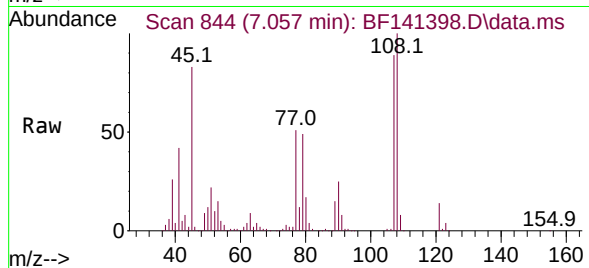
Ion Ratio Lower Upper

107 100

108 112.7 90.8 136.2

77 57.1 36.2 54.4#

79 55.3 35.7 53.5#



#18

Hexachloroethane

Concen: 40.842 ng

RT: 7.304 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

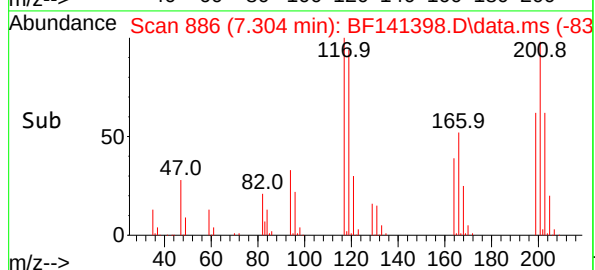
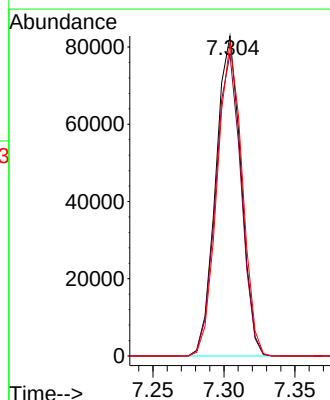
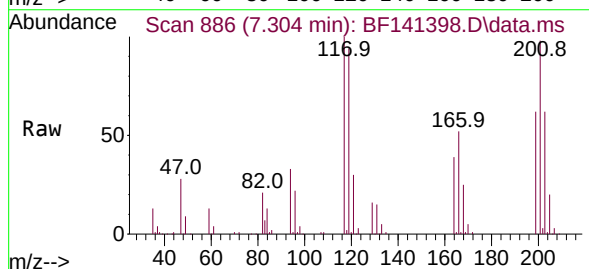
Tgt Ion:117 Resp: 102015

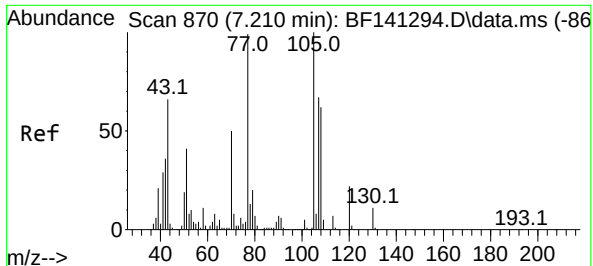
Ion Ratio Lower Upper

117 100

119 94.4 76.6 114.8

201 97.9 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.733 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 162661

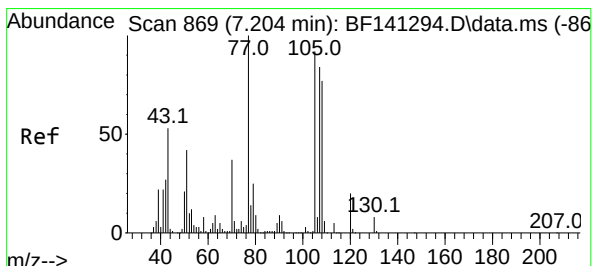
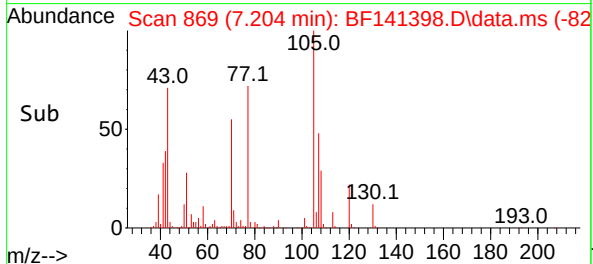
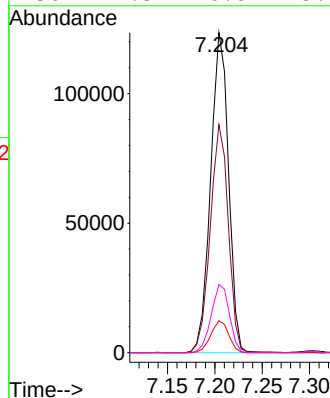
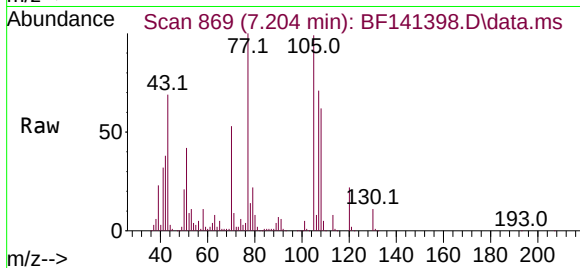
Ion Ratio Lower Upper

70 100

42 71.2 56.8 85.2

101 10.0 7.7 11.5

130 21.3 16.8 25.2



#20

3+4-Methylphenols

Concen: 39.483 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion: 107 Resp: 240839

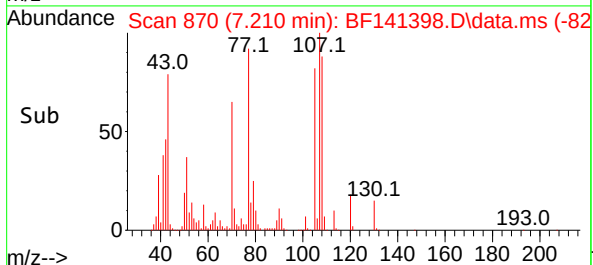
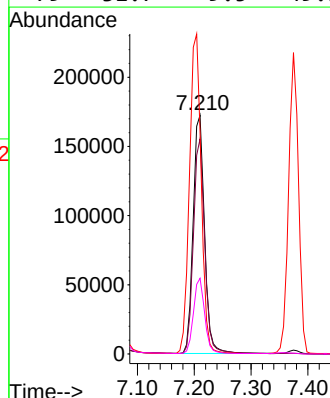
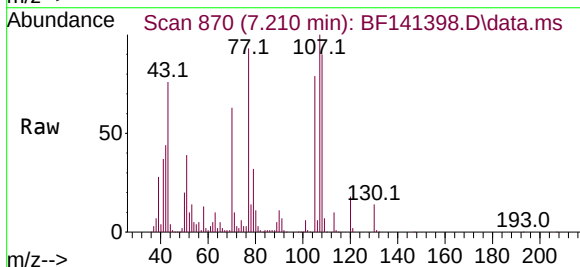
Ion Ratio Lower Upper

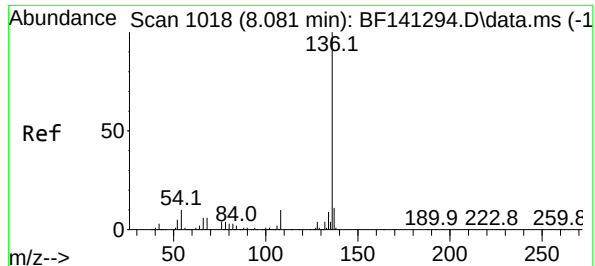
107 100

108 90.0 70.9 110.9

77 93.0 98.5 138.5#

79 31.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 331835

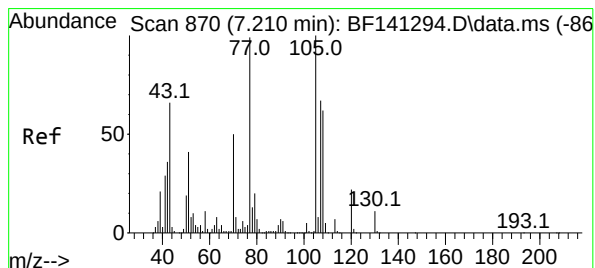
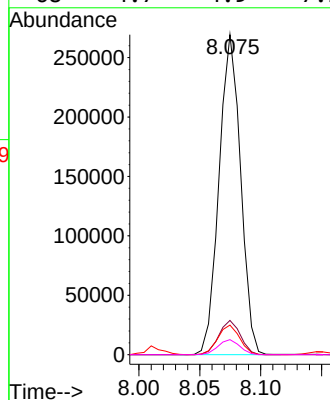
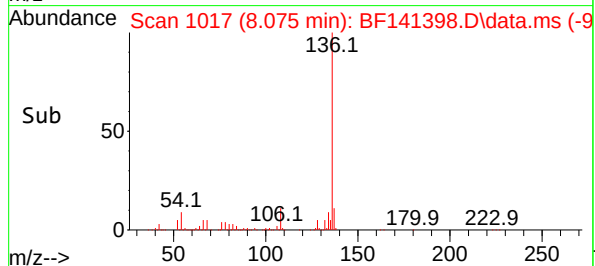
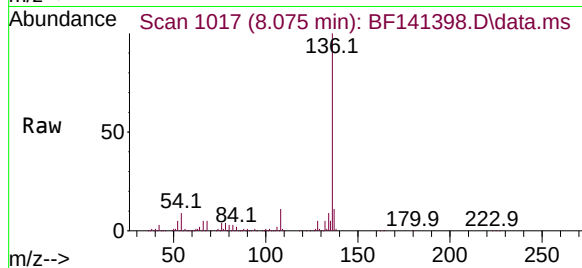
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 41.351 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:105 Resp: 326166

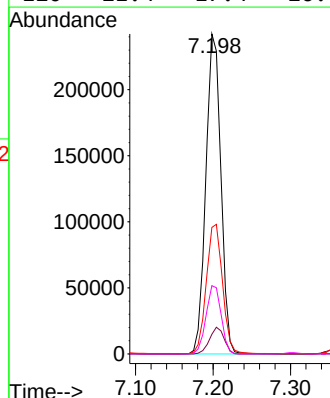
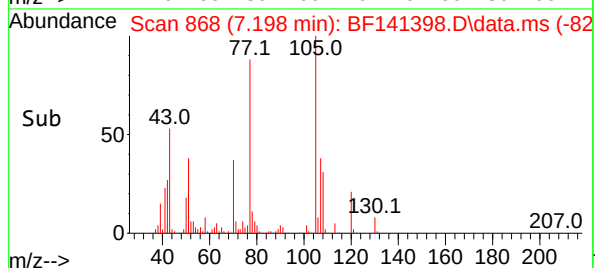
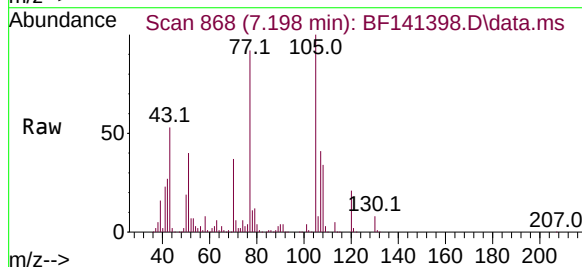
Ion Ratio Lower Upper

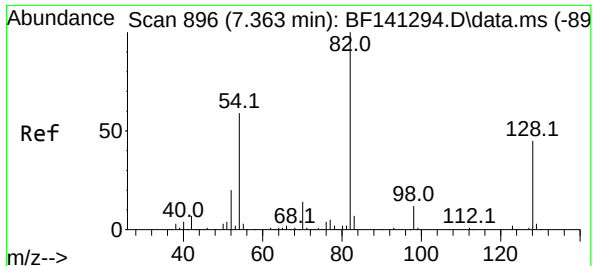
105 100

71 6.2 6.8 10.2#

51 39.6 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 82.468 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

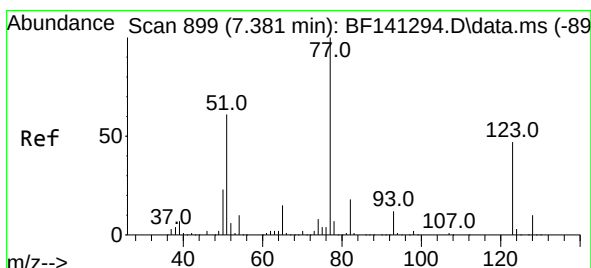
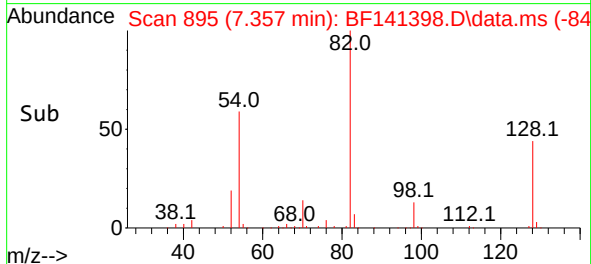
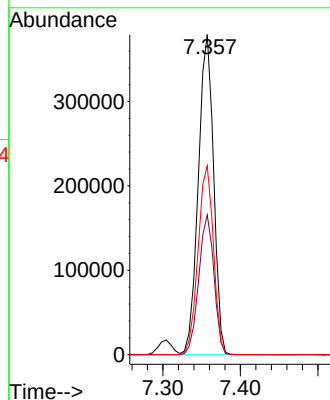
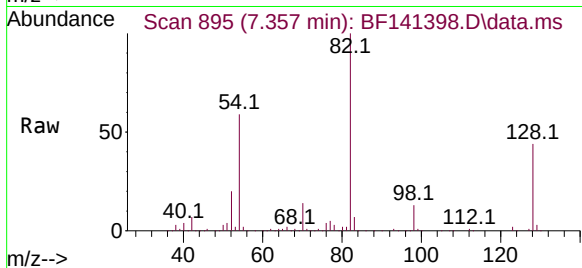
Tgt Ion: 82 Resp: 519110

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

54 59.0 47.1 70.7



#24

Nitrobenzene

Concen: 40.497 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

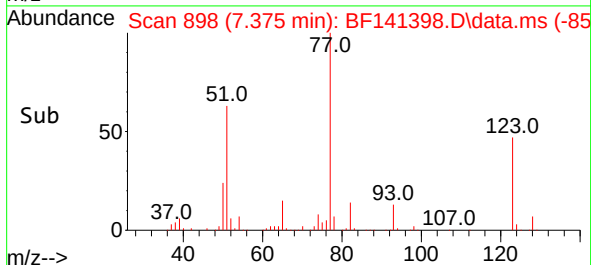
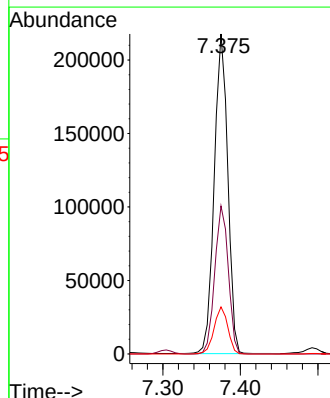
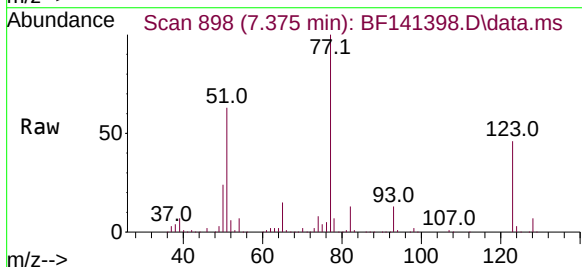
Tgt Ion: 77 Resp: 264172

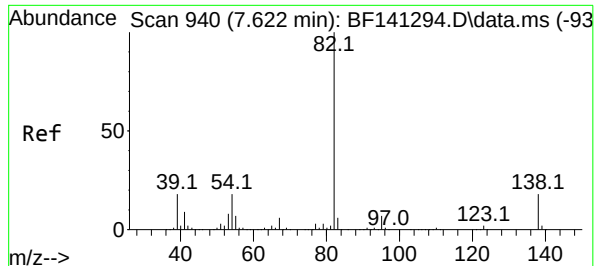
Ion Ratio Lower Upper

77 100

123 46.3 37.3 55.9

65 14.7 11.8 17.6





#25

Isophorone

Concen: 39.213 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

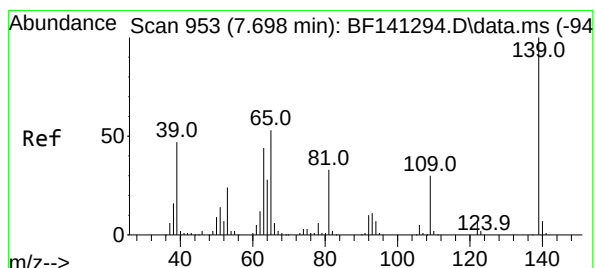
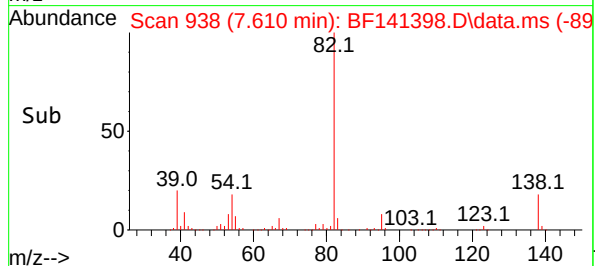
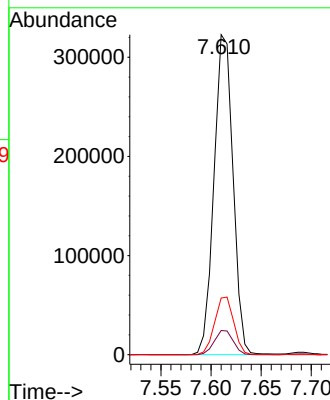
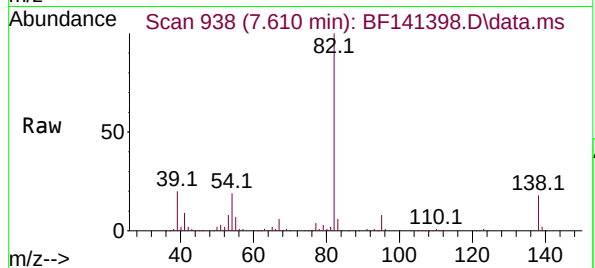
Tgt Ion: 82 Resp: 426672

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

138 17.7 14.7 22.1



#26

2-Nitrophenol

Concen: 39.973 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

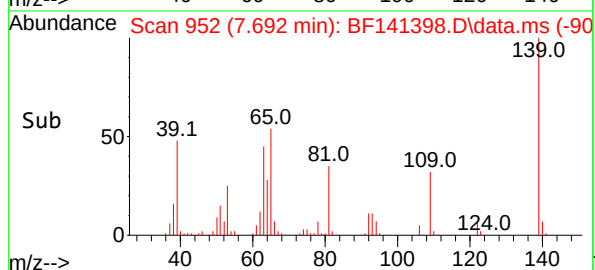
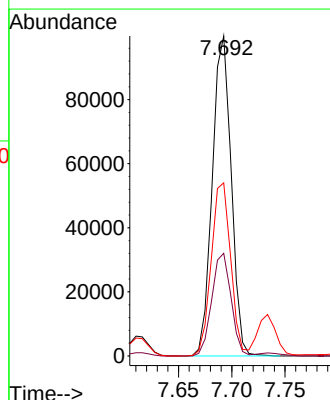
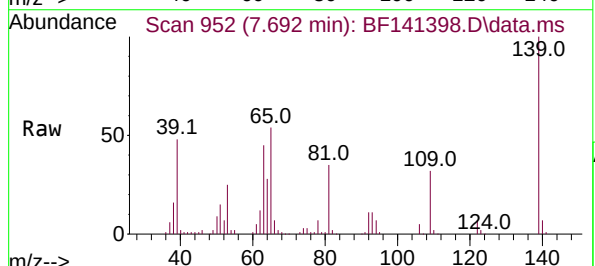
Tgt Ion:139 Resp: 122977

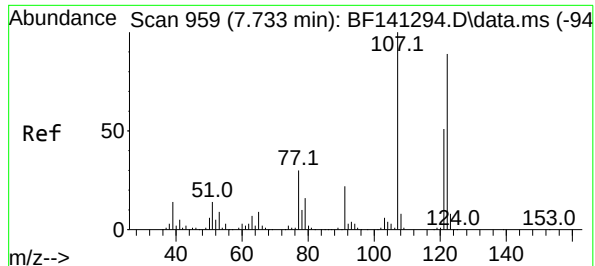
Ion Ratio Lower Upper

139 100

109 32.1 23.8 35.6

65 54.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.904 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

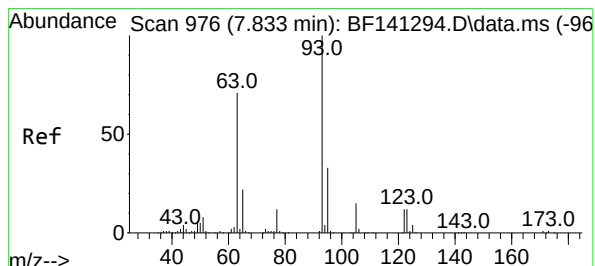
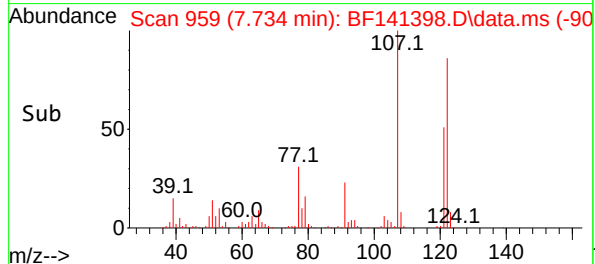
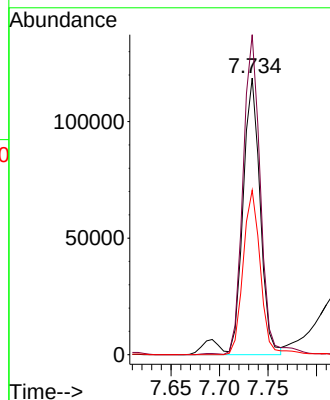
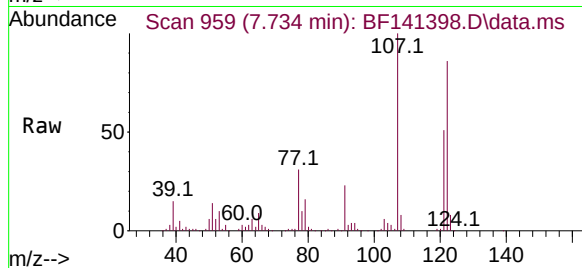
Tgt Ion:122 Resp: 152342

Ion Ratio Lower Upper

122 100

107 115.7 89.9 134.9

121 59.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.495 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

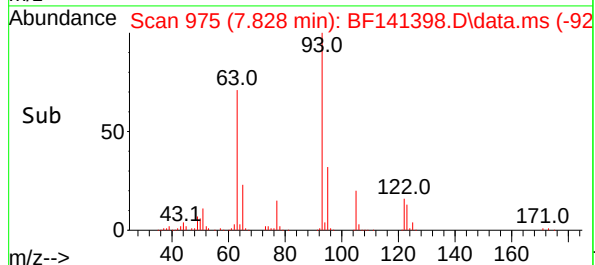
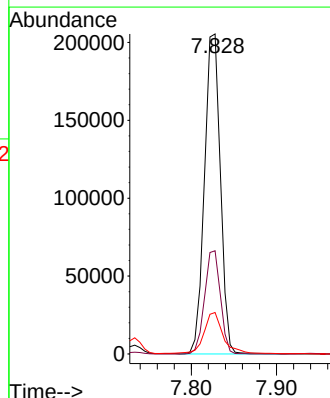
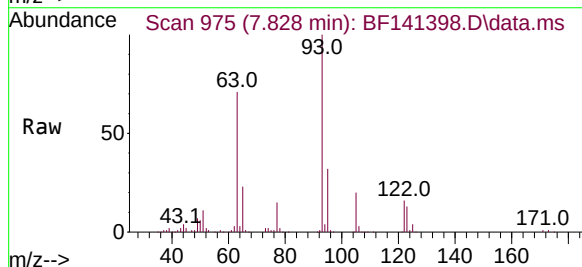
Tgt Ion: 93 Resp: 267181

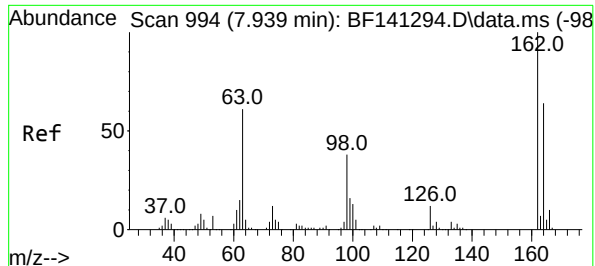
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.025 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

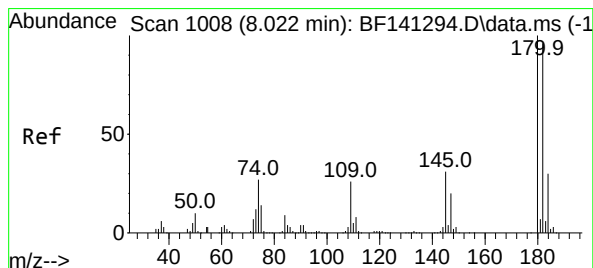
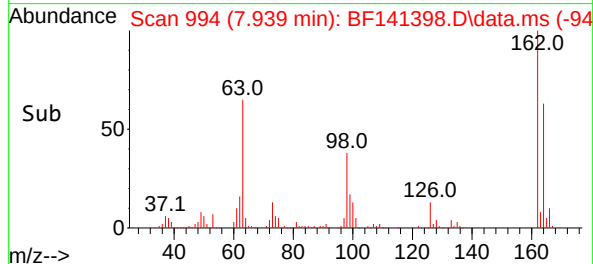
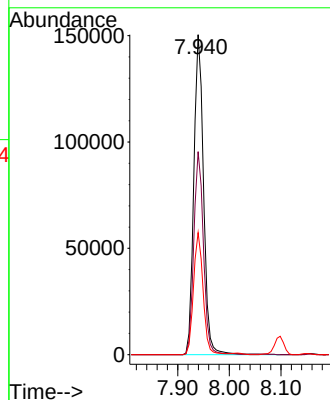
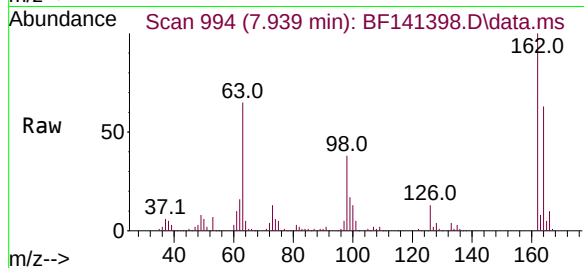
Tgt Ion:162 Resp: 196668

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.631 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

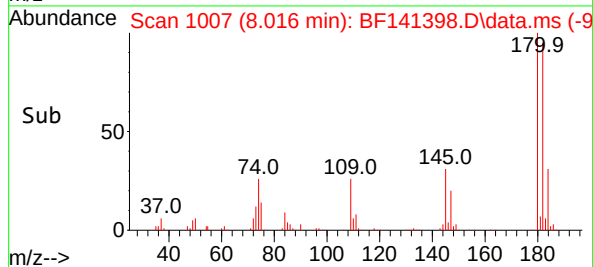
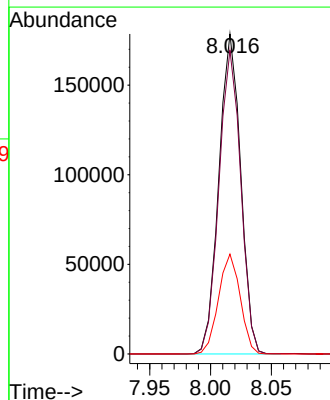
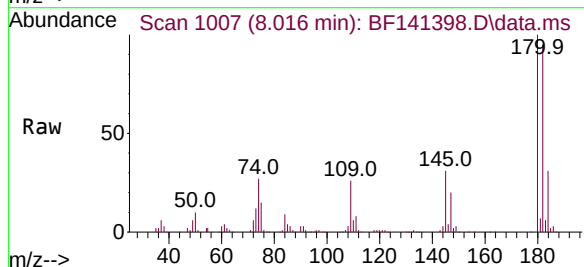
Tgt Ion:180 Resp: 222442

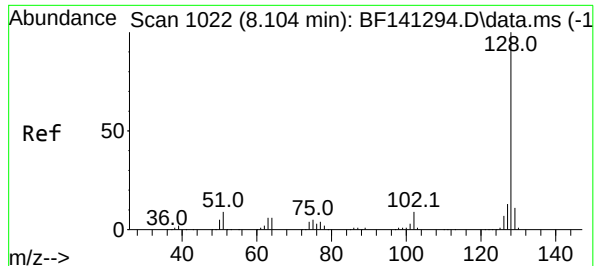
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 31.2 24.9 37.3





#31

Naphthalene

Concen: 40.155 ng

RT: 8.098 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

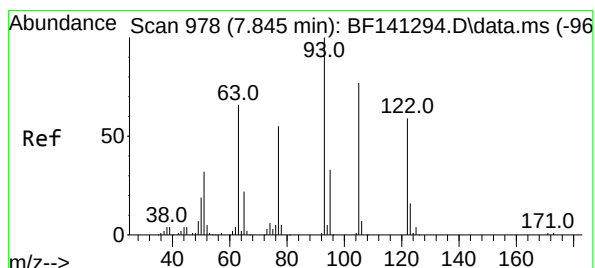
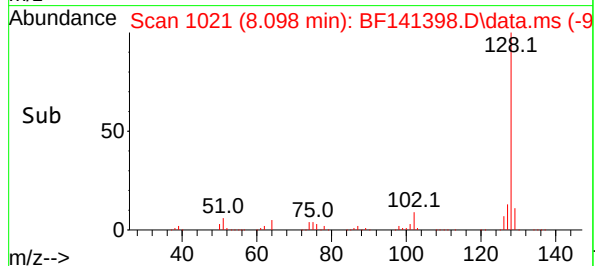
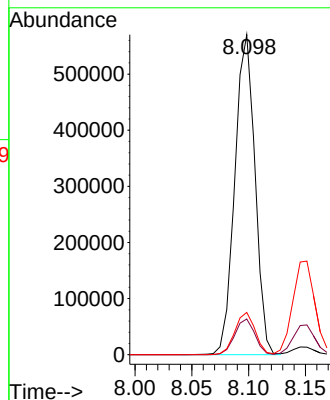
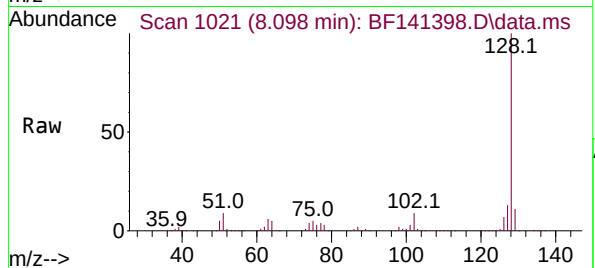
Tgt Ion:128 Resp: 703917

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 42.292 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

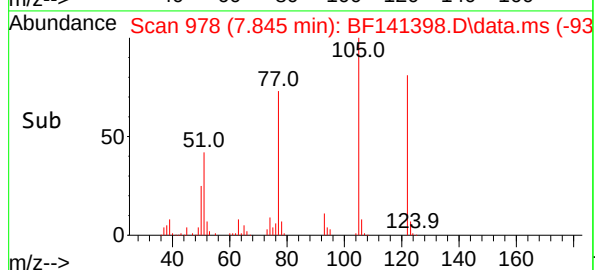
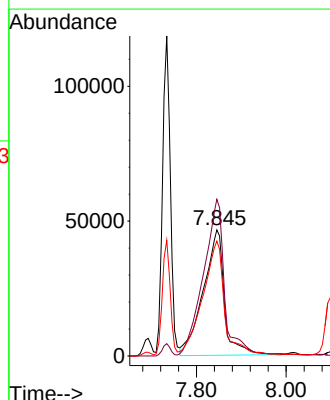
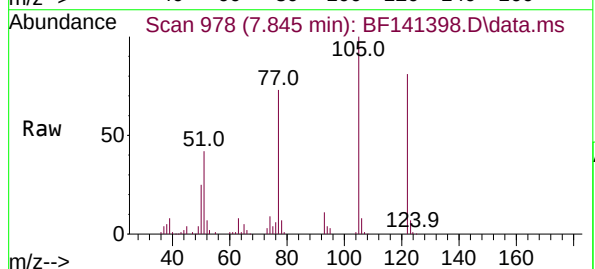
Tgt Ion:122 Resp: 152241

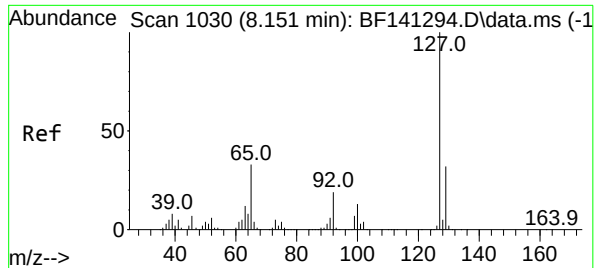
Ion Ratio Lower Upper

122 100

105 124.2 103.4 143.4

77 91.1 70.9 110.9

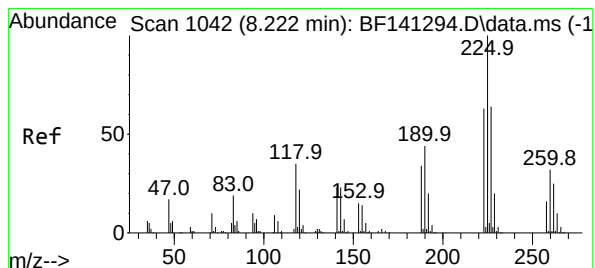
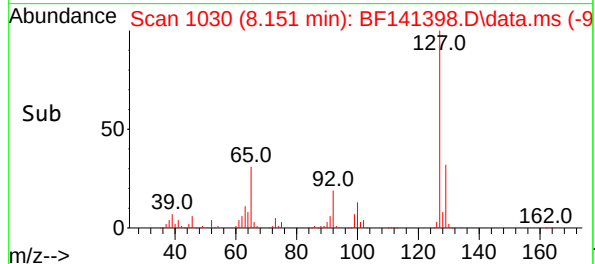
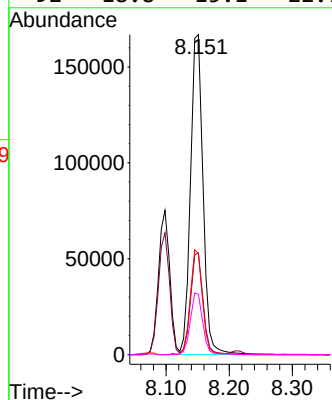
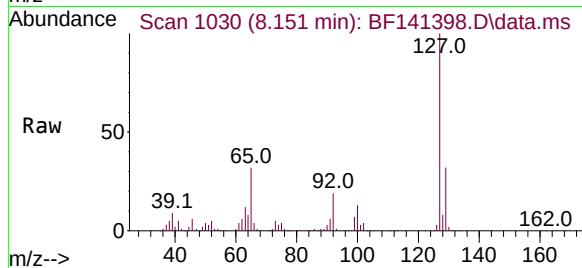




#33
4-Chloroaniline
Concen: 38.783 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

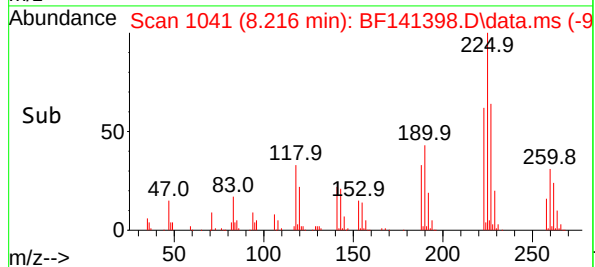
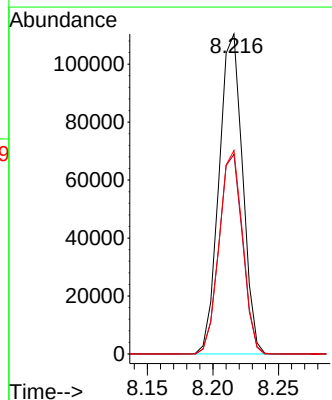
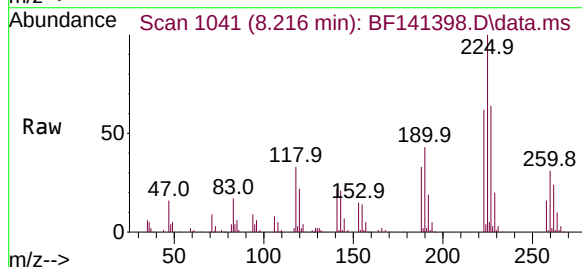
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

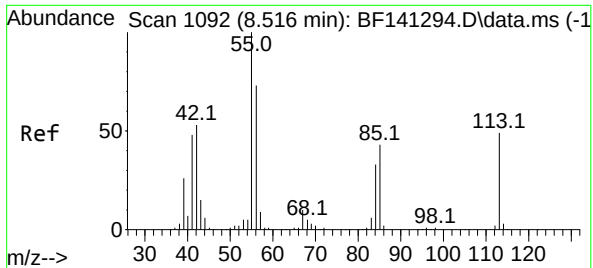
Tgt Ion:	127	Resp:	230545
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	31.7	26.4	39.6
92	18.8	15.1	22.7



#34
Hexachlorobutadiene
Concen: 42.897 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:	225	Resp:	137723
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.4	75.6
227	63.6	51.3	76.9





#35

Caprolactam

Concen: 39.634 ng

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

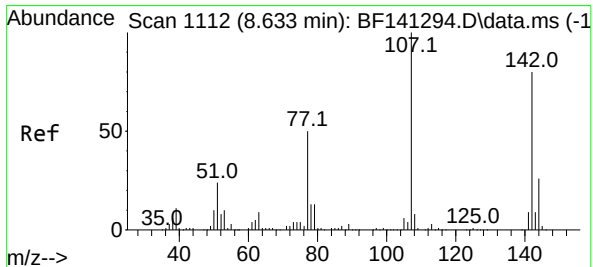
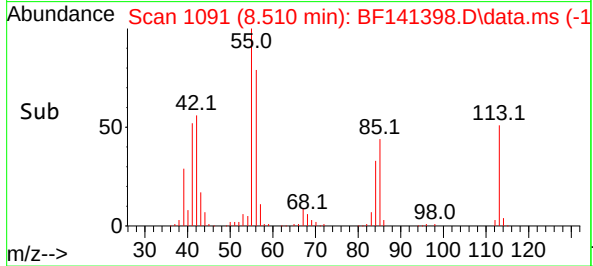
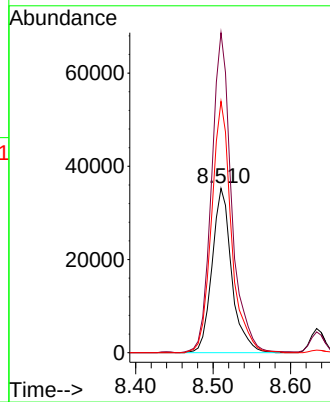
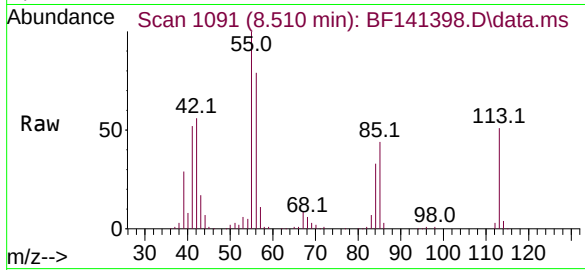
Tgt Ion:113 Resp: 62051

Ion Ratio Lower Upper

113 100

55 194.6 182.9 222.9

56 152.9 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 42.000 ng

RT: 8.634 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

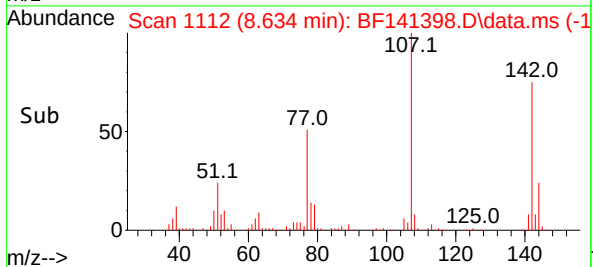
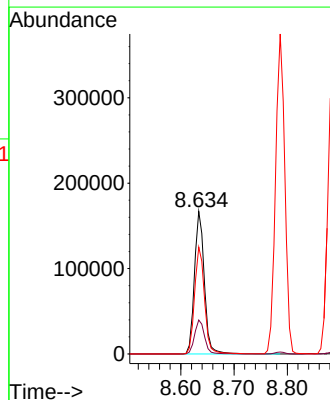
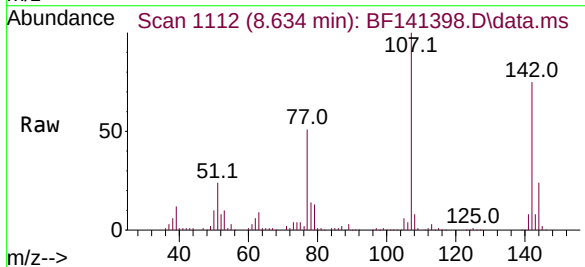
Tgt Ion:107 Resp: 215967

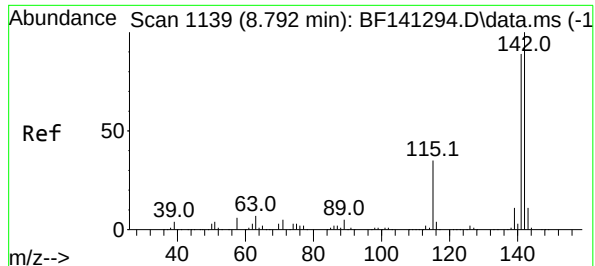
Ion Ratio Lower Upper

107 100

144 23.9 20.7 31.1

142 75.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 40.722 ng

RT: 8.787 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

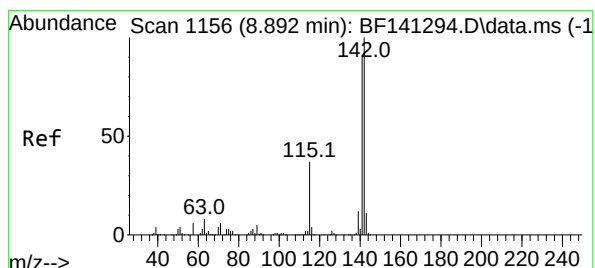
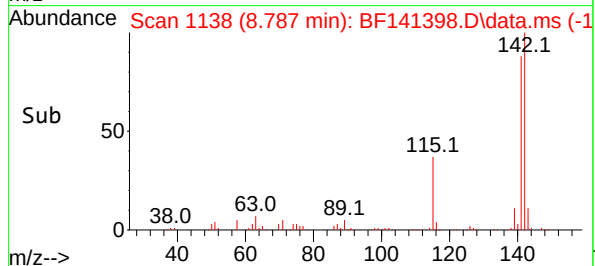
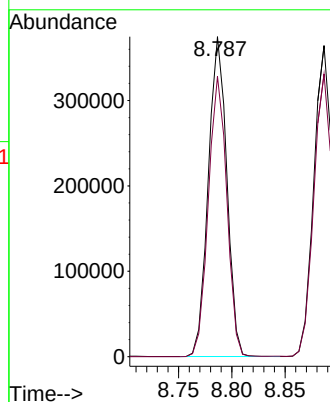
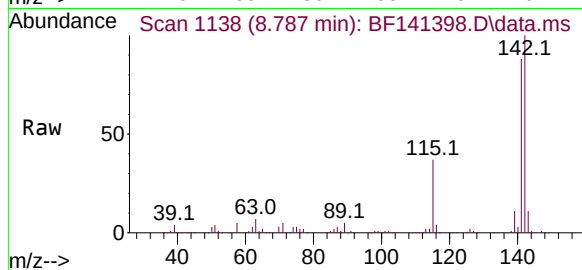
SSTDCCC040

Tgt Ion:142 Resp: 453714

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9



#38

1-Methylnaphthalene

Concen: 40.487 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141398.D

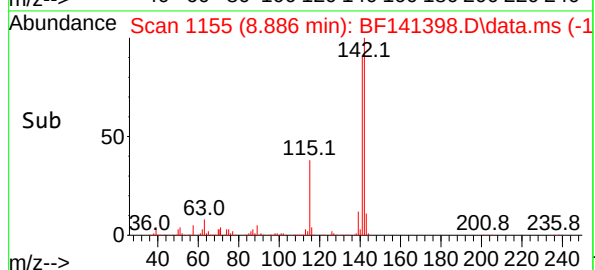
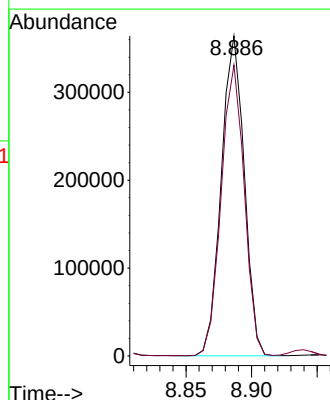
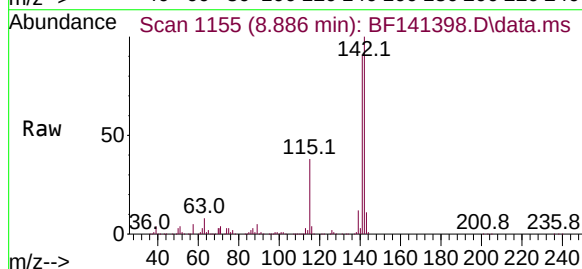
Acq: 04 Feb 2025 10:42

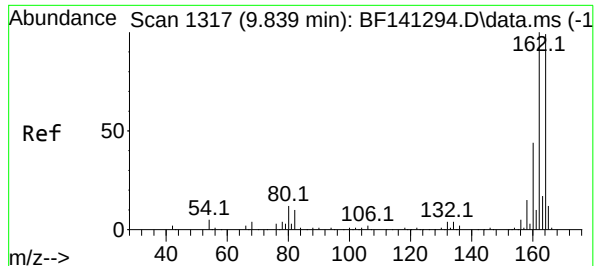
Tgt Ion:142 Resp: 443121

Ion Ratio Lower Upper

142 100

141 90.9 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

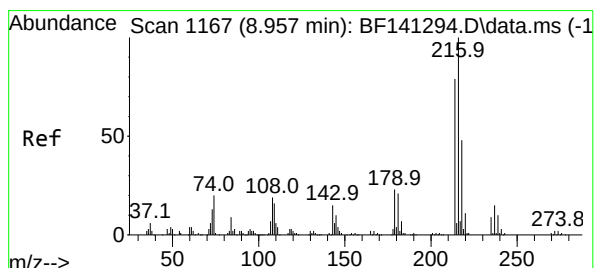
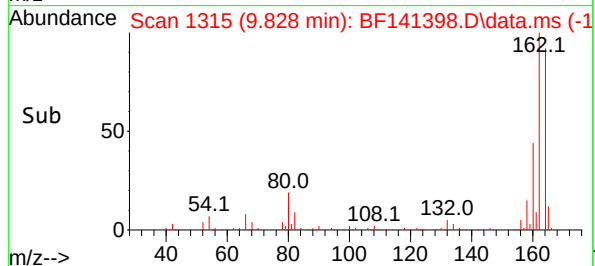
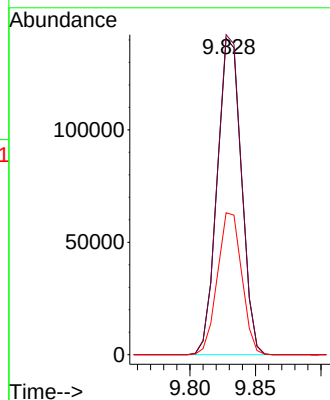
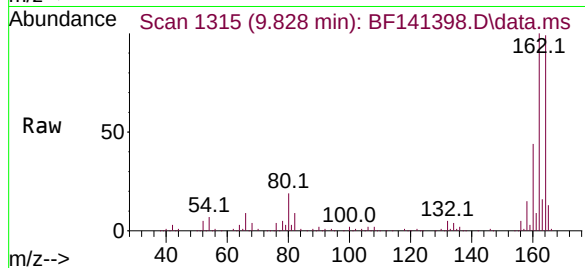
Tgt Ion:164 Resp: 180473

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.257 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:216 Resp: 211825

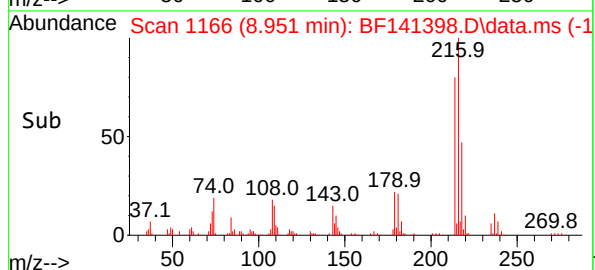
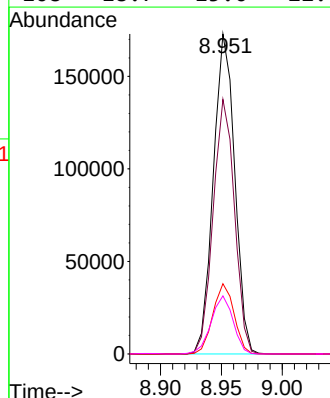
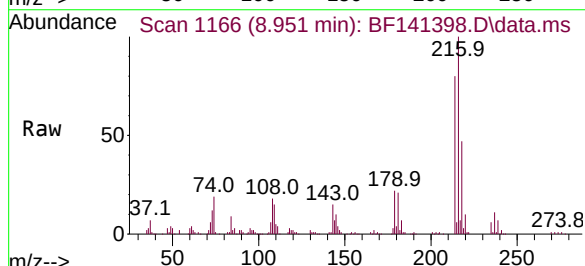
Ion Ratio Lower Upper

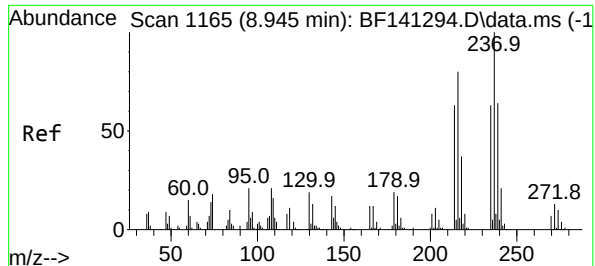
216 100

214 79.2 63.2 94.8

179 21.7 17.8 26.8

108 18.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 43.974 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

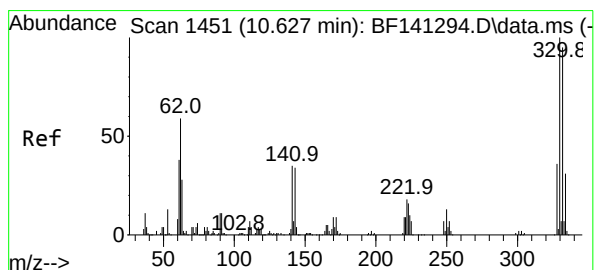
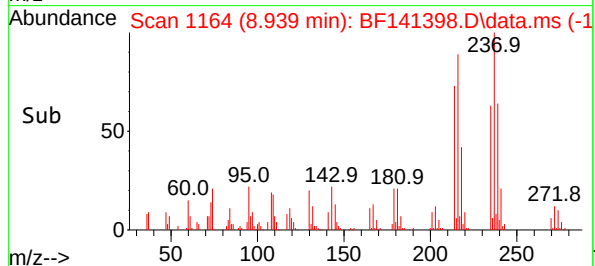
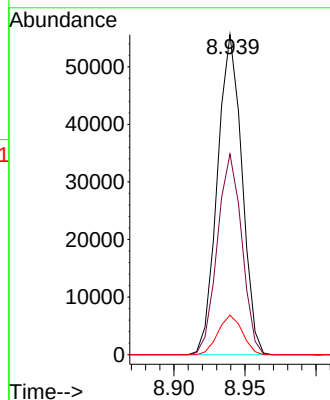
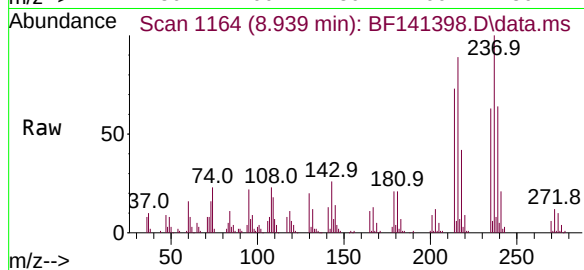
Tgt Ion:237 Resp: 66678

Ion Ratio Lower Upper

237 100

235 62.7 42.9 82.9

272 12.4 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 88.147 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

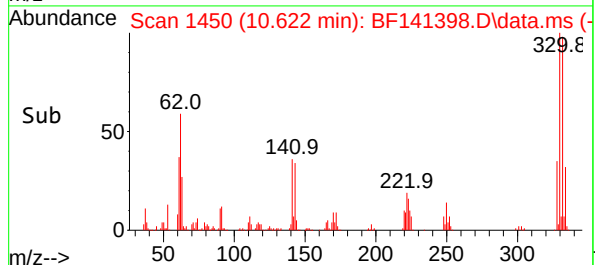
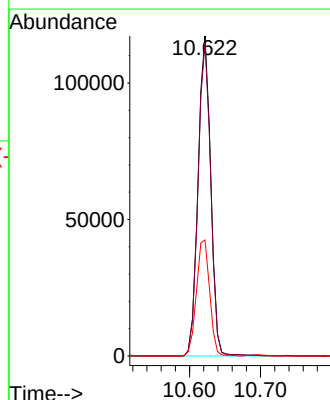
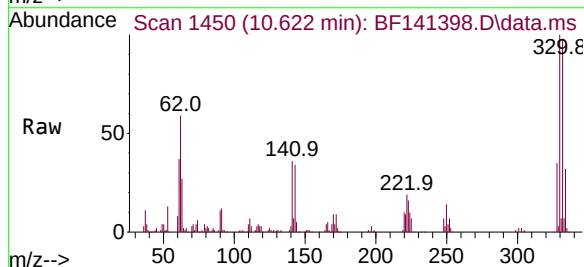
Tgt Ion:330 Resp: 145841

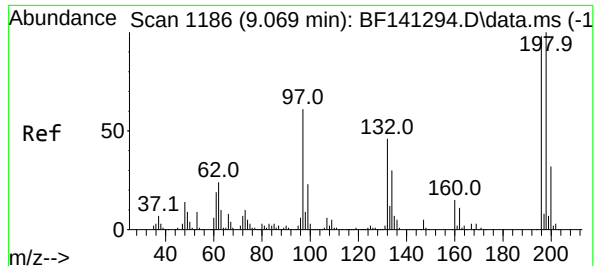
Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 37.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.007 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

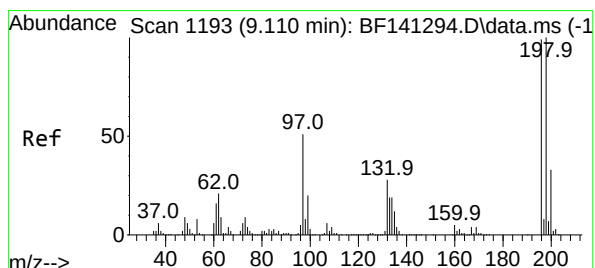
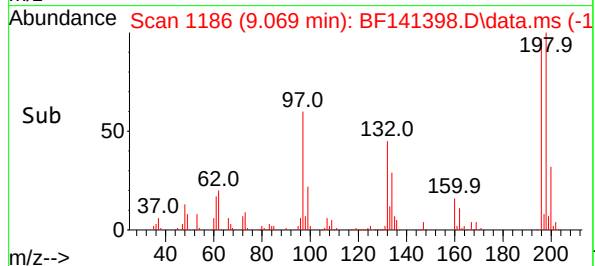
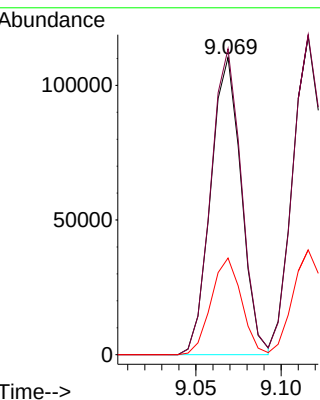
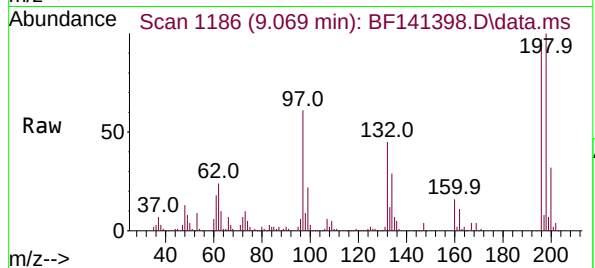
Tgt Ion:196 Resp: 137805

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 41.577 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:196 Resp: 152071

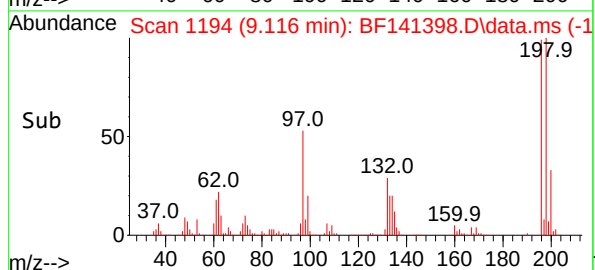
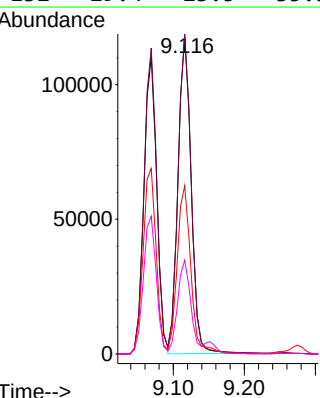
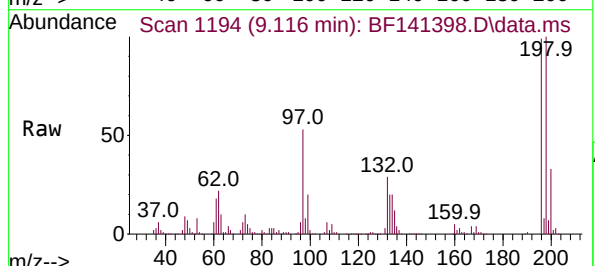
Ion Ratio Lower Upper

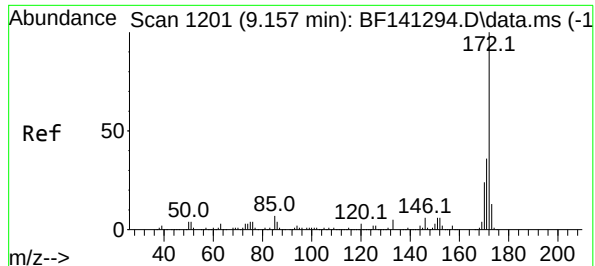
196 100

198 100.5 80.5 120.7

97 52.8 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 81.771 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

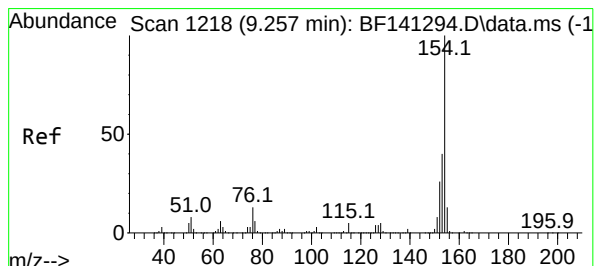
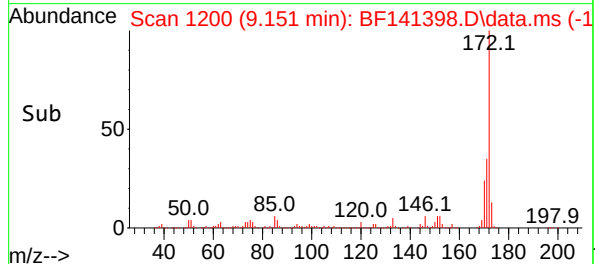
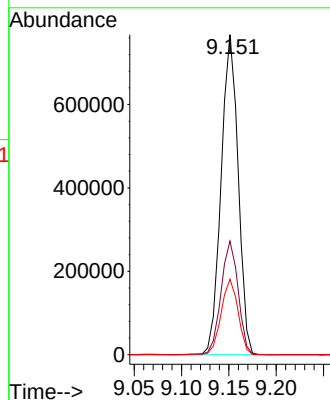
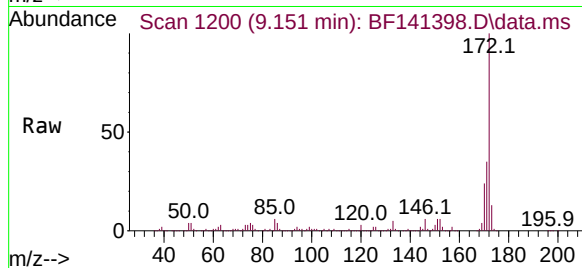
Tgt Ion:172 Resp: 958786

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 40.089 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

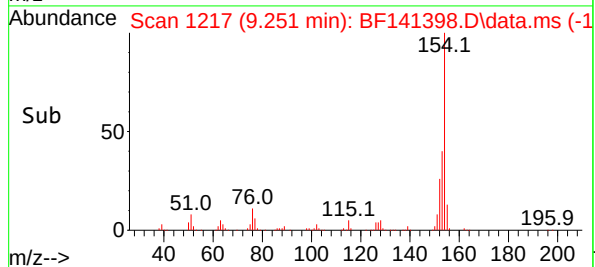
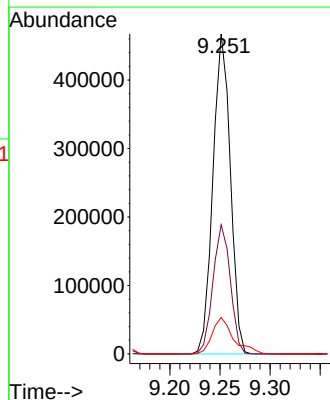
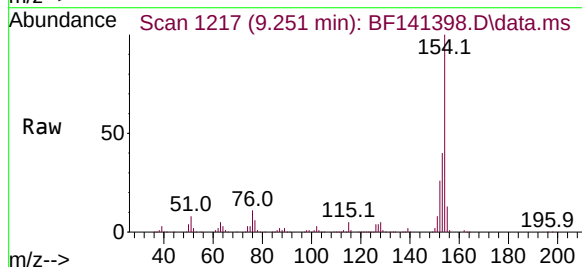
Tgt Ion:154 Resp: 564241

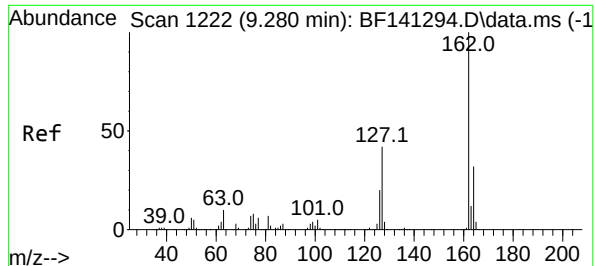
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.785 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

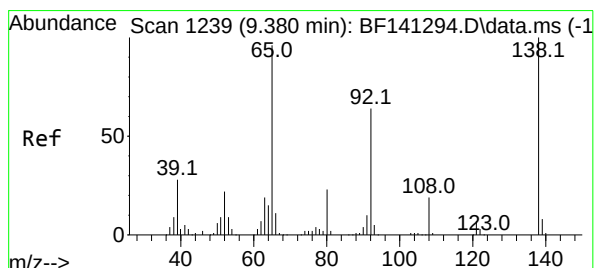
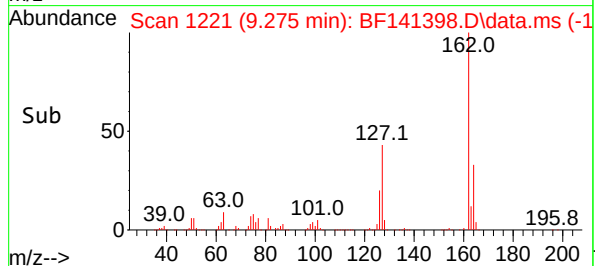
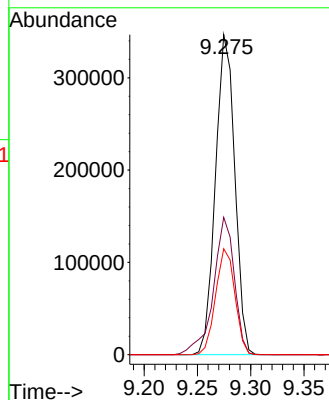
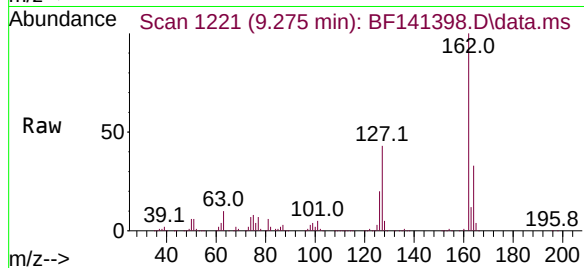
Tgt Ion:162 Resp: 436455

Ion Ratio Lower Upper

162 100

127 42.9 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 40.764 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

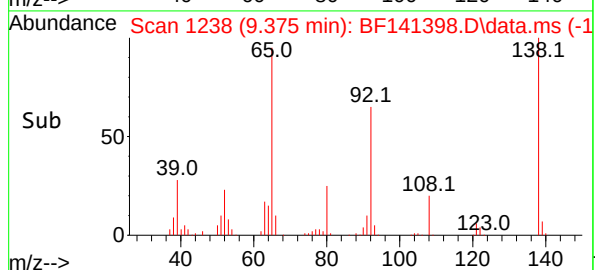
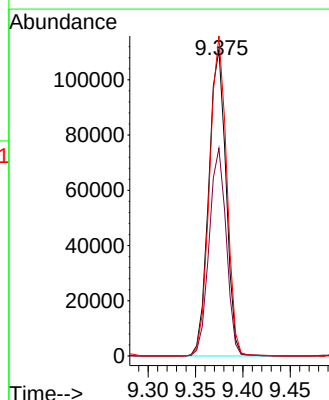
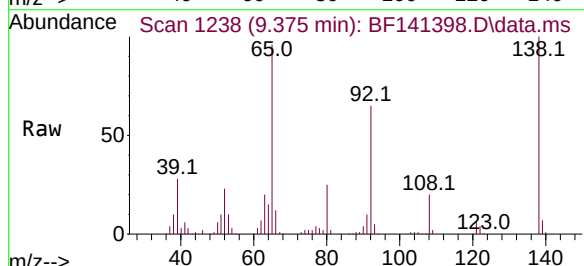
Tgt Ion: 65 Resp: 140664

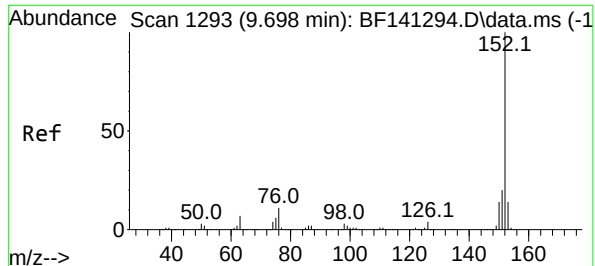
Ion Ratio Lower Upper

65 100

92 67.8 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 40.360 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

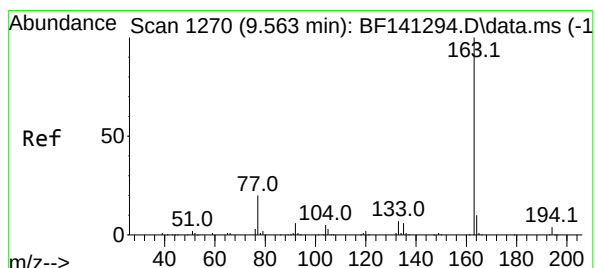
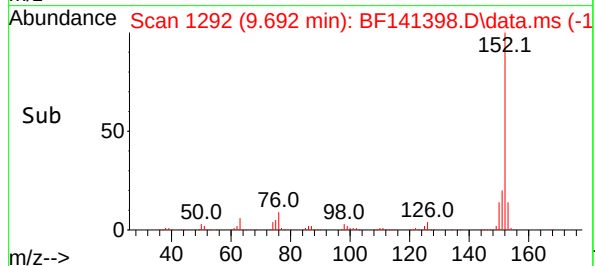
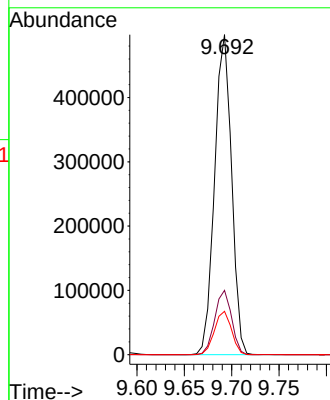
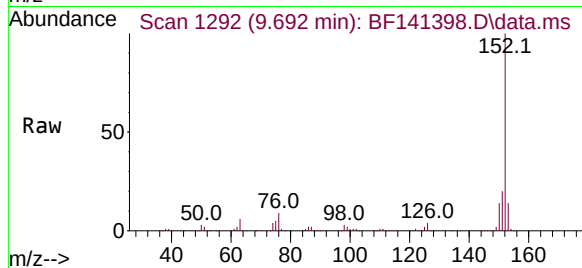
Tgt Ion:152 Resp: 619791

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.6 11.0 16.6



#50

Dimethylphthalate

Concen: 40.604 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

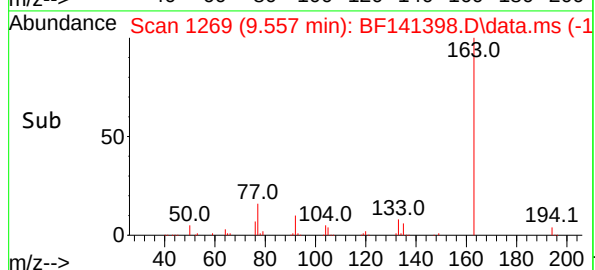
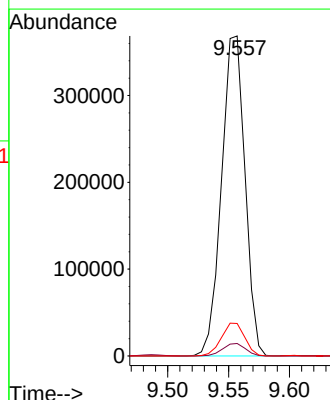
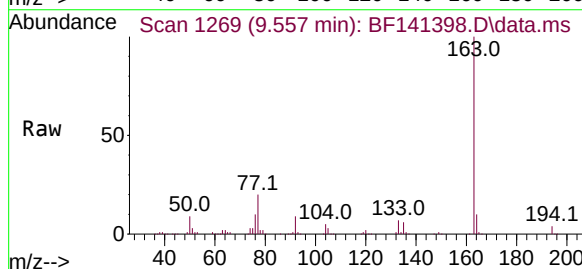
Tgt Ion:163 Resp: 494930

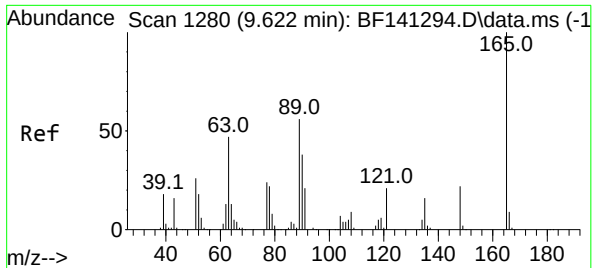
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0

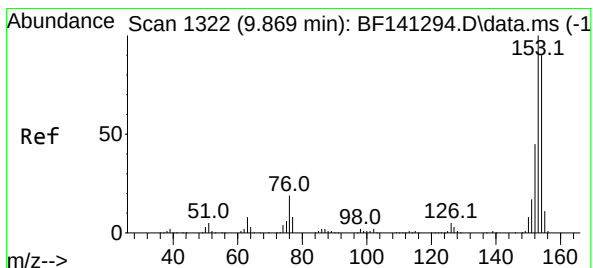
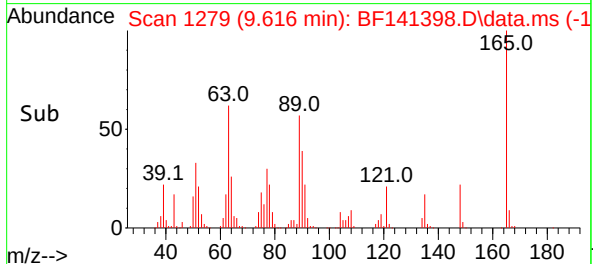
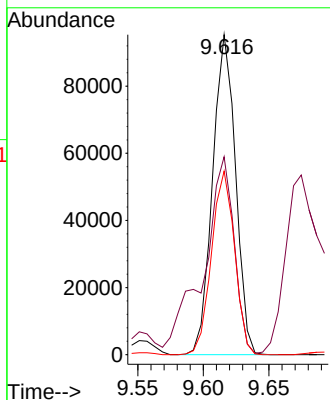
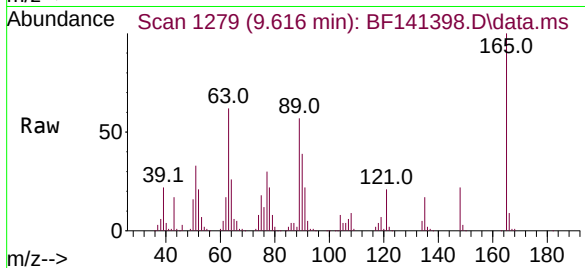




#51
2,6-Dinitrotoluene
Concen: 40.929 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

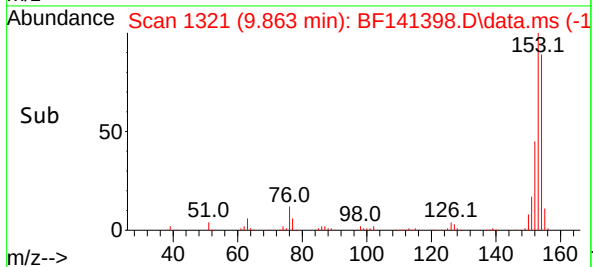
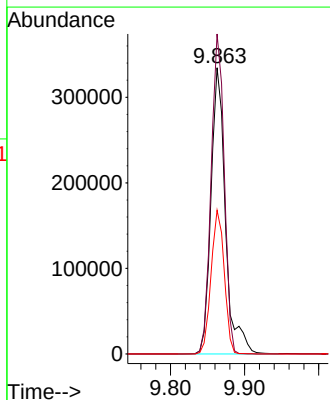
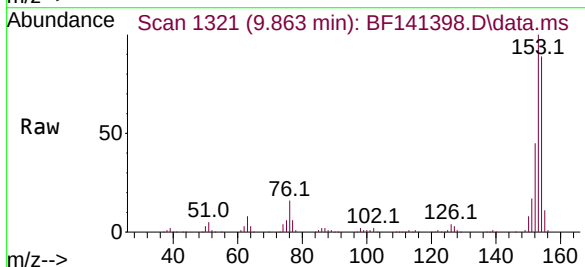
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

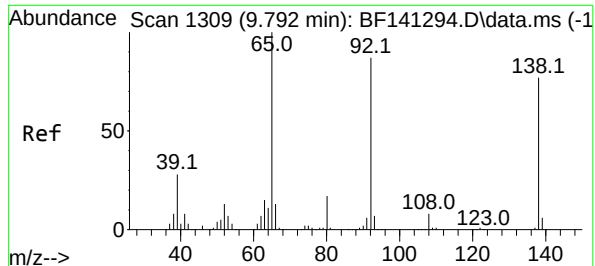
Tgt Ion:165 Resp: 115835
Ion Ratio Lower Upper
165 100
63 61.9 48.1 72.1
89 57.4 44.9 67.3



#52
Acenaphthene
Concen: 41.328 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:154 Resp: 453408
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#53

3-Nitroaniline

Concen: 41.746 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

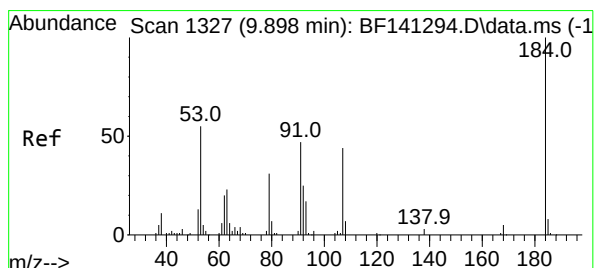
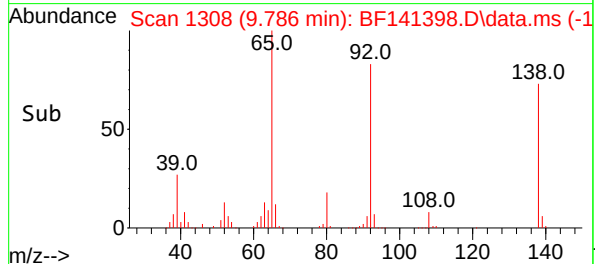
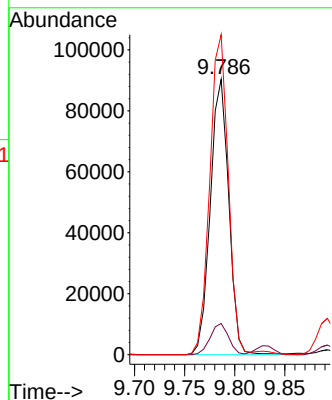
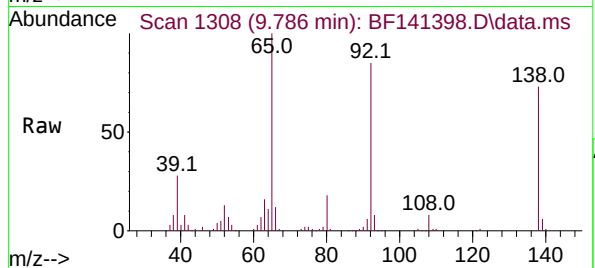
Tgt Ion:138 Resp: 115797

Ion Ratio Lower Upper

138 100

108 11.3 8.6 12.8

92 116.2 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 45.240 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

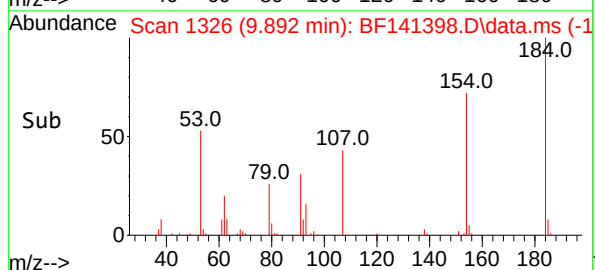
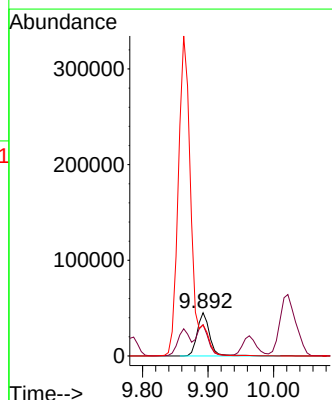
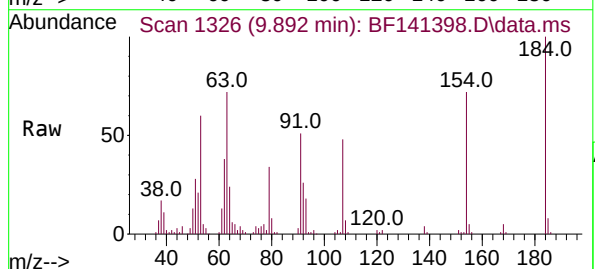
Tgt Ion:184 Resp: 59519

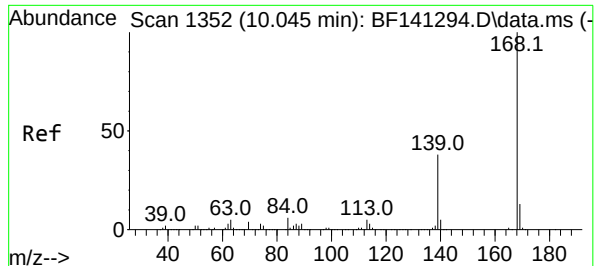
Ion Ratio Lower Upper

184 100

63 72.2 54.1 81.1

154 71.9 50.7 76.1





#55

Dibenzenofuran

Concen: 41.022 ng

RT: 10.033 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

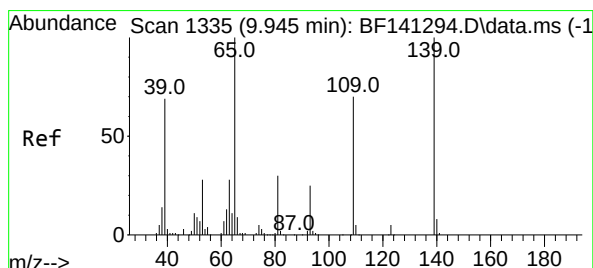
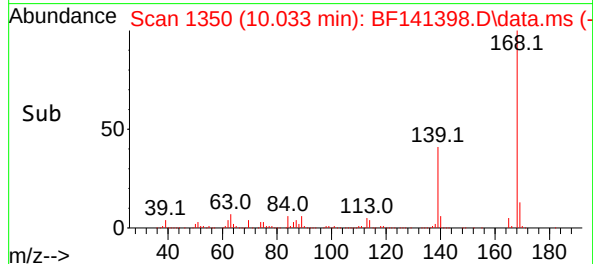
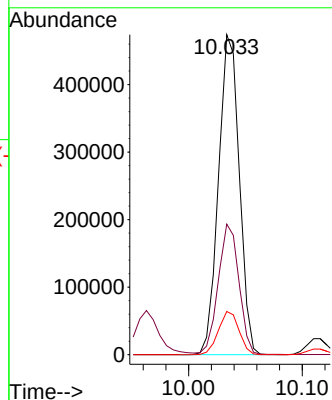
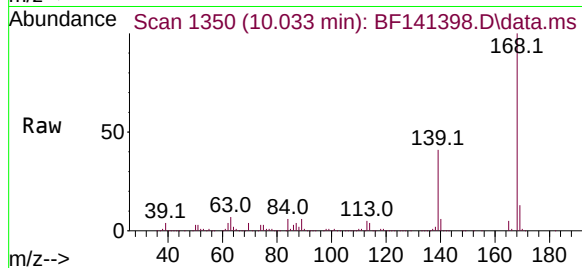
Tgt Ion:168 Resp: 602409

Ion Ratio Lower Upper

168 100

139 40.8 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 45.798 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

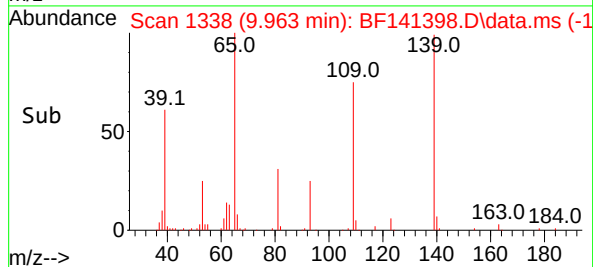
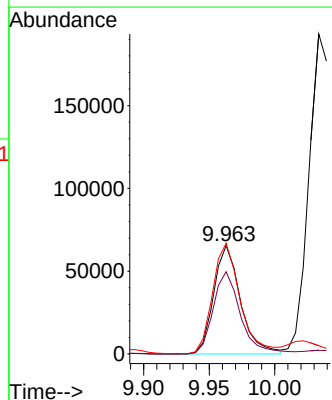
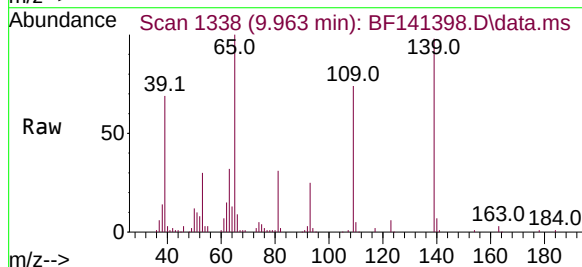
Tgt Ion:139 Resp: 92908

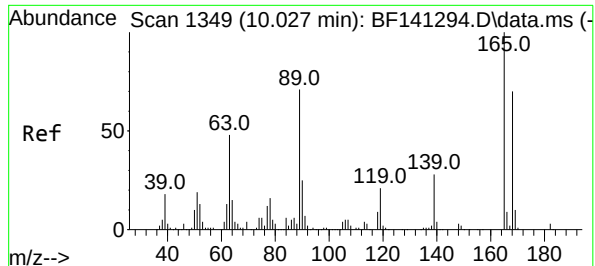
Ion Ratio Lower Upper

139 100

109 76.0 50.2 90.2

65 102.3 80.6 120.6

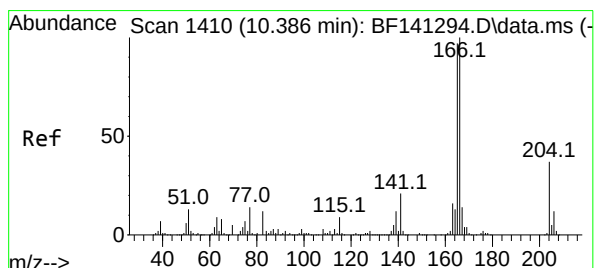
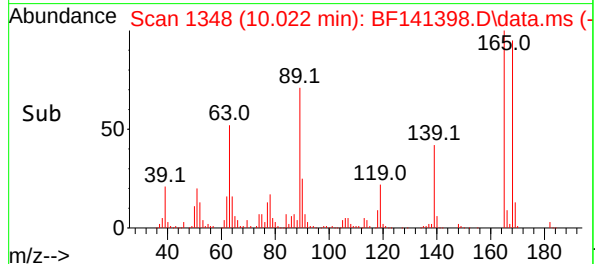
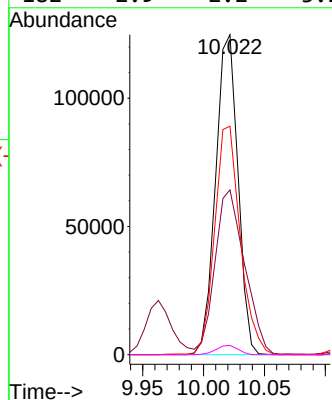
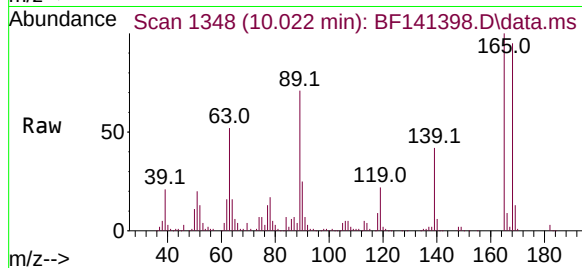




#57
2,4-Dinitrotoluene
Concen: 43.471 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

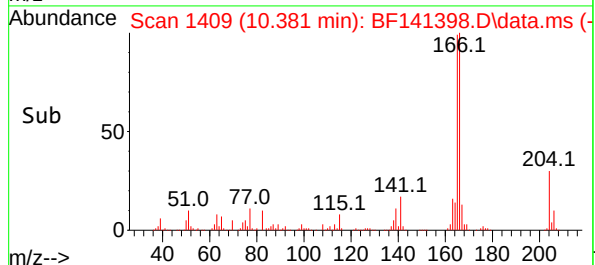
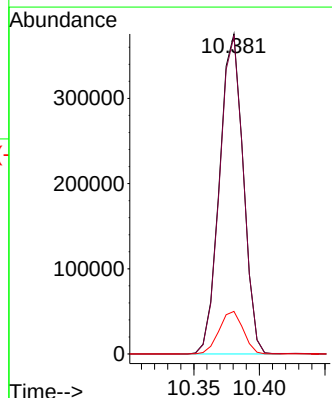
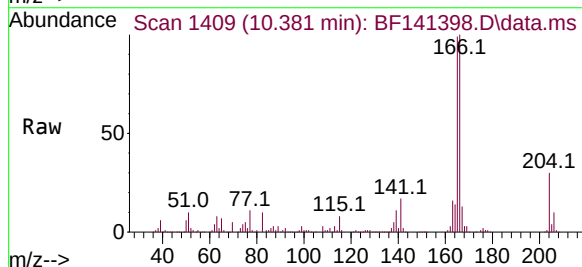
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

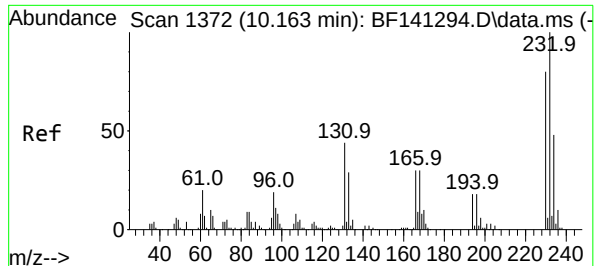
Tgt Ion:165 Resp: 159291
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 71.4 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:166 Resp: 471526
Ion Ratio Lower Upper
166 100
165 99.3 77.5 116.3
167 13.3 10.9 16.3

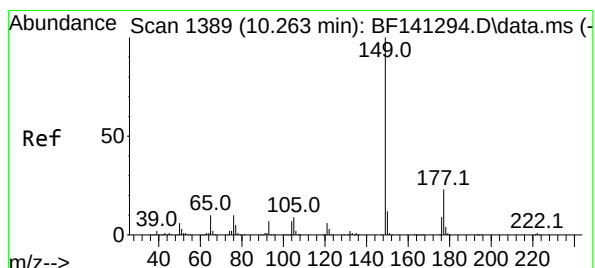
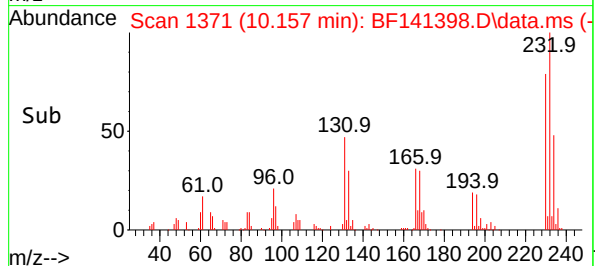
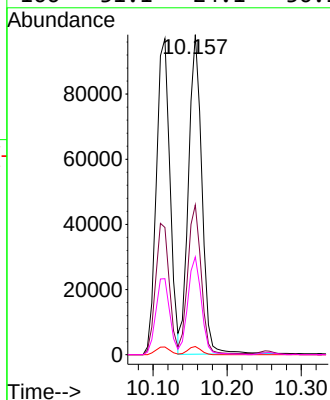
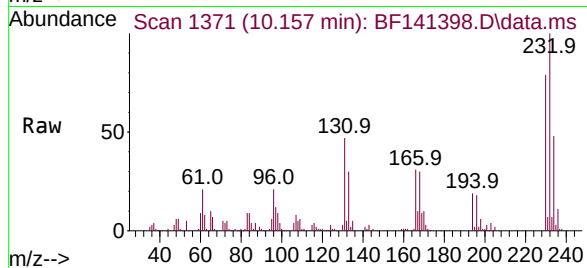




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.803 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

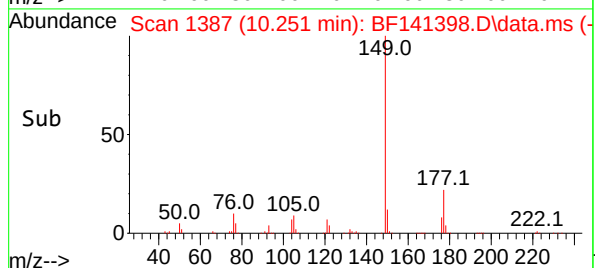
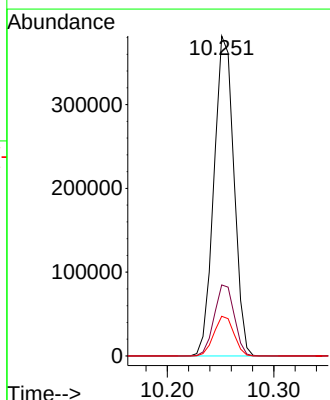
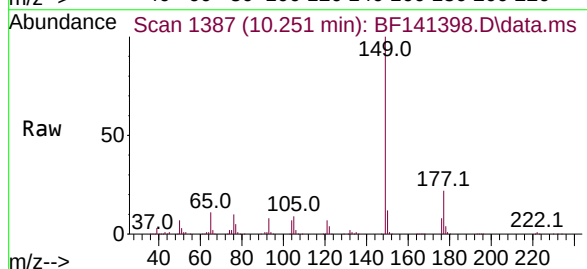
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

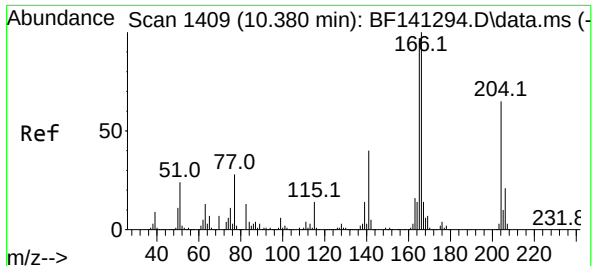
Tgt Ion:232 Resp: 123166
Ion Ratio Lower Upper
232 100
131 47.4 36.4 54.6
130 2.5 1.9 2.9
166 31.1 24.1 36.1



#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 495870
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.4 10.0 15.0

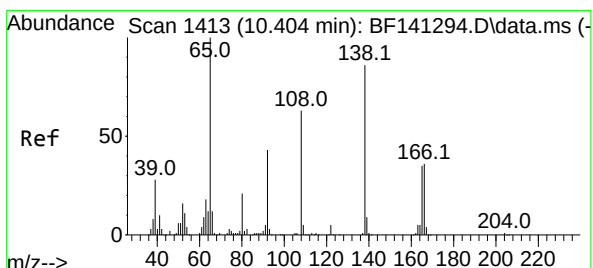
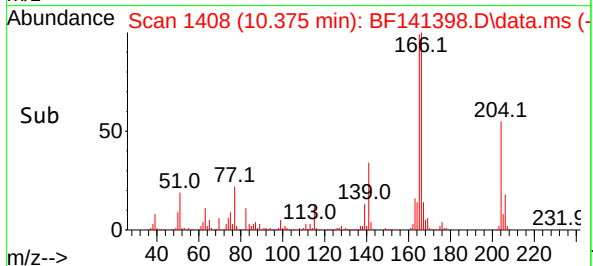
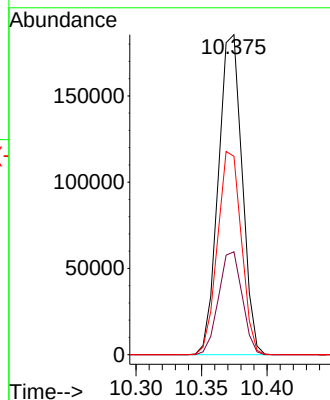
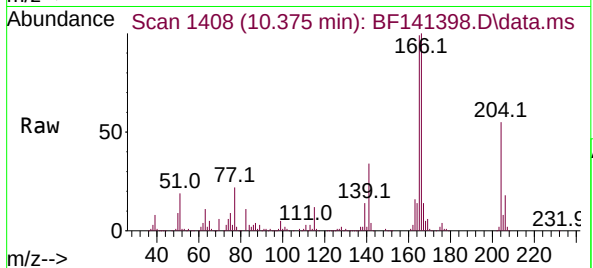




#61
4-Chlorophenyl-phenylether
Concen: 42.037 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

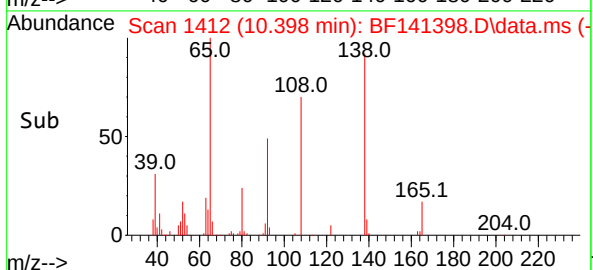
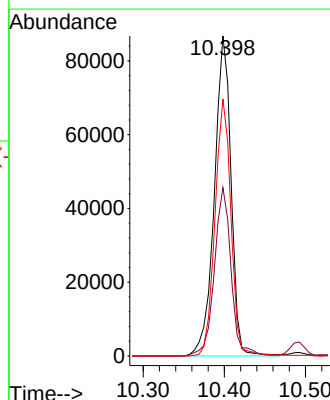
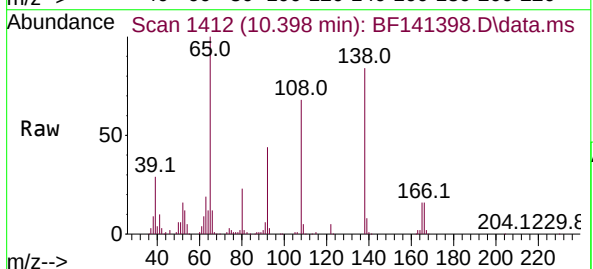
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

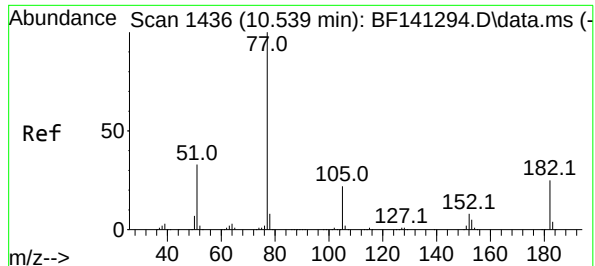
Tgt Ion:204 Resp: 233902
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 62.0 49.5 74.3



#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:138 Resp: 123996
Ion Ratio Lower Upper
138 100
92 52.6 30.1 70.1
108 80.3 53.1 93.1

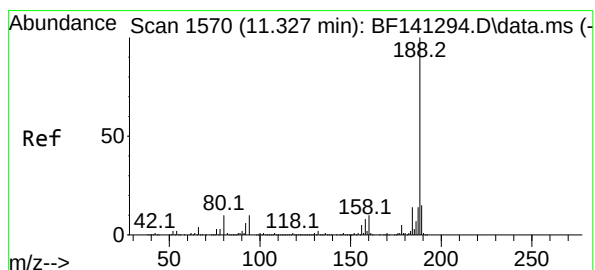
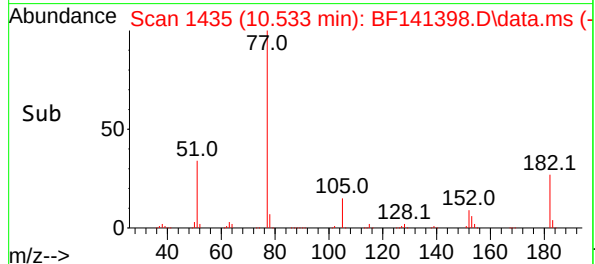
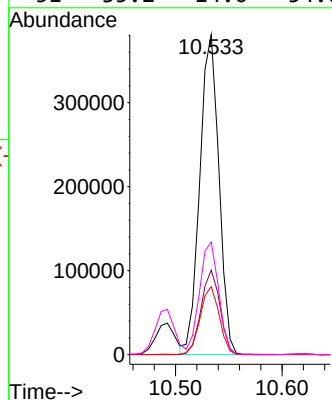
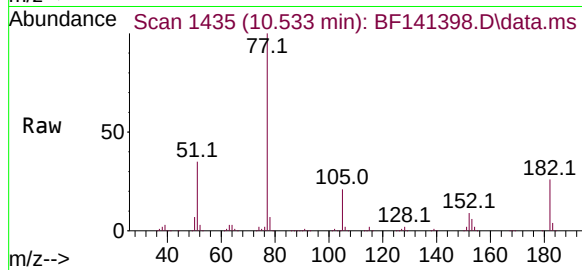




#63
Azobenzene
Concen: 40.234 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

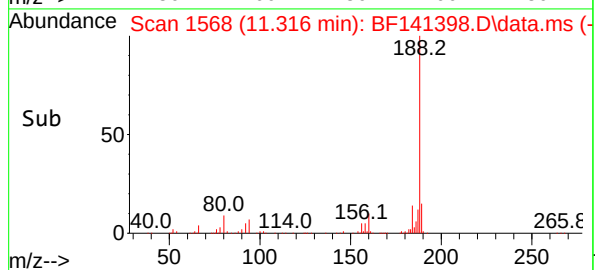
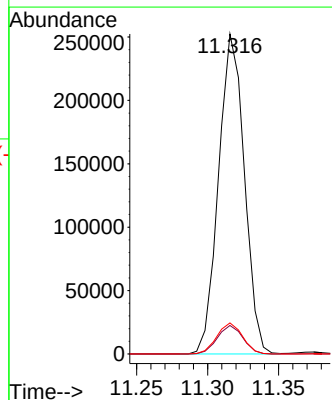
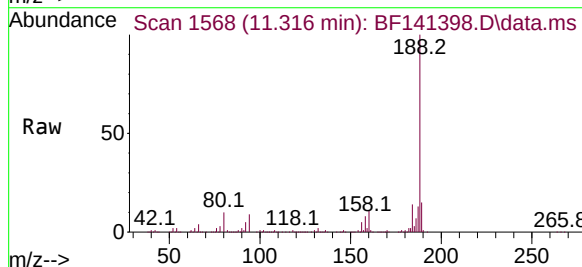
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

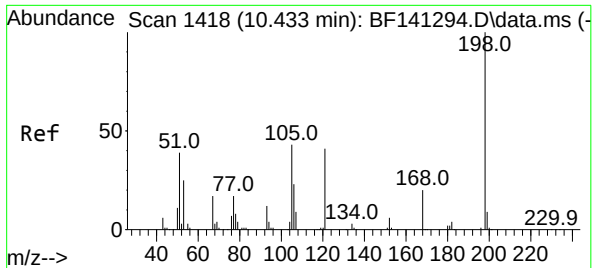
Tgt Ion: 77	Resp: 475982
Ion Ratio	Lower Upper
77 100	
182 26.4	5.1 45.1
105 21.3	1.8 41.8
51 35.2	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:188	Resp: 318826		
Ion Ratio	Lower	Upper	
188 100			
94 8.9	7.8	11.6	
80 9.7	8.2	12.4	

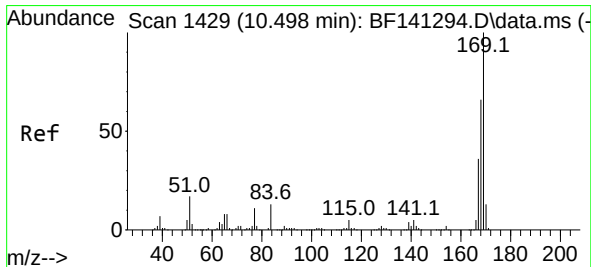
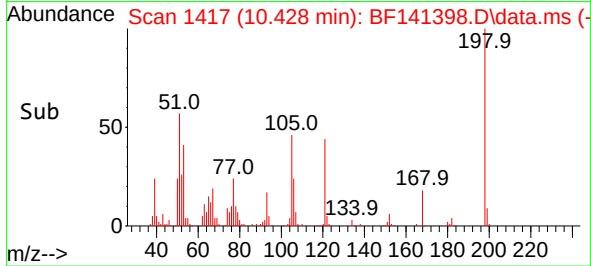
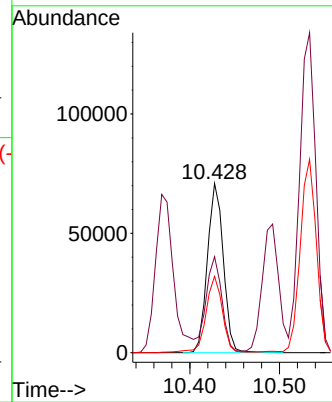
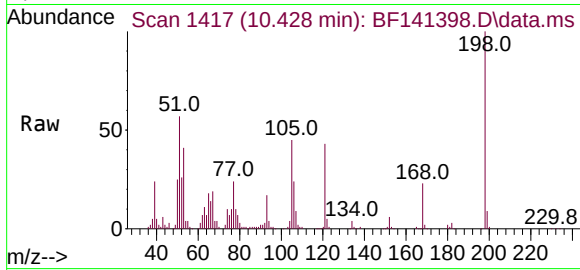




#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

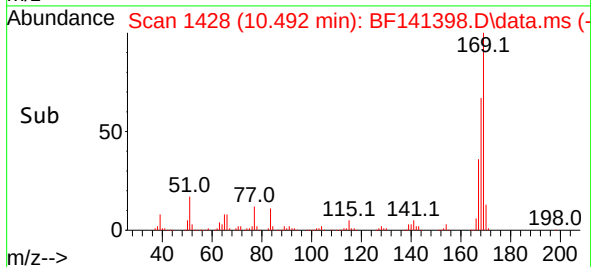
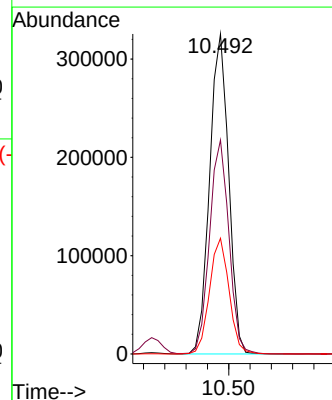
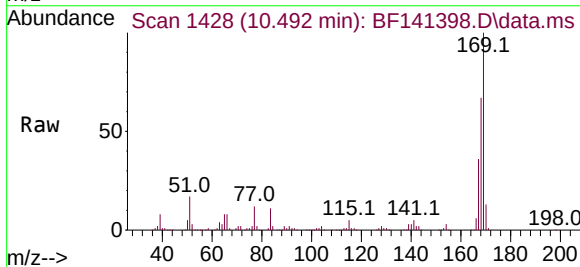
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

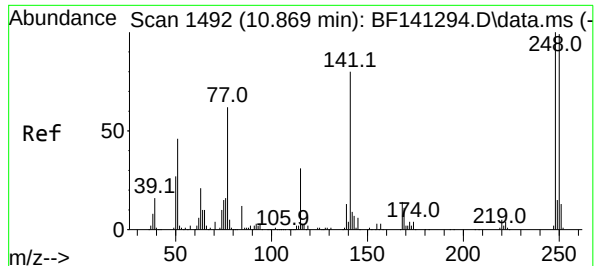
Tgt Ion:198	Resp:	87646
Ion	Ratio	Lower Upper
198	100	
51	56.8	33.4 73.4
105	45.1	24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:169	Resp:	404177
Ion	Ratio	Lower Upper
169	100	
168	66.8	53.0 79.4
167	36.2	28.8 43.2

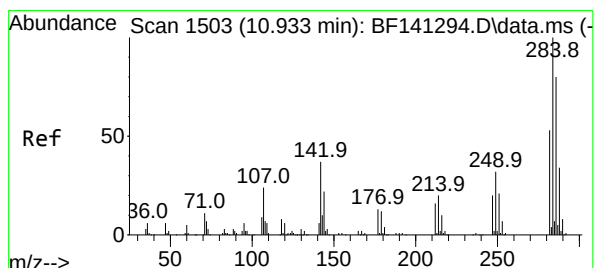
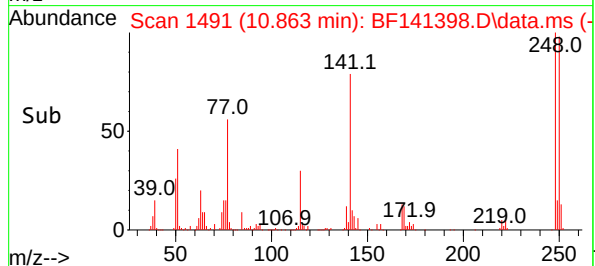
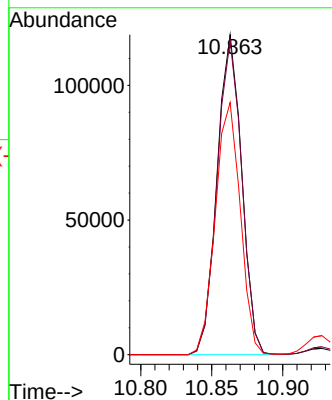
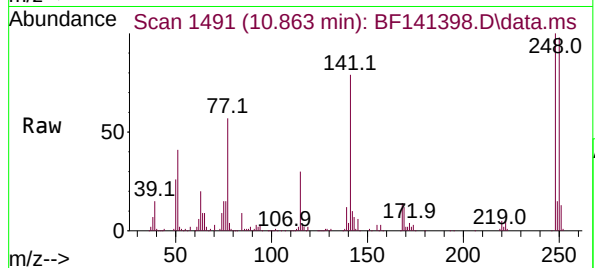




#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

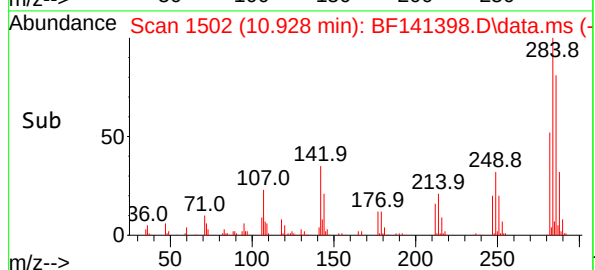
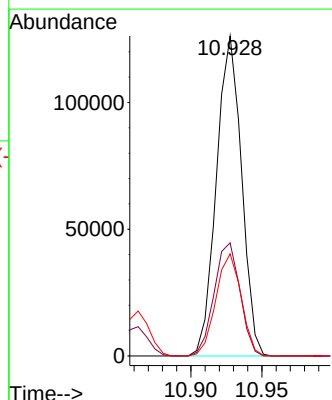
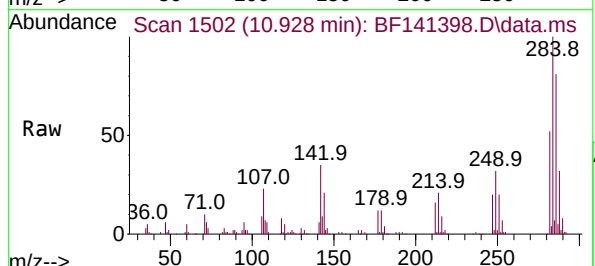
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

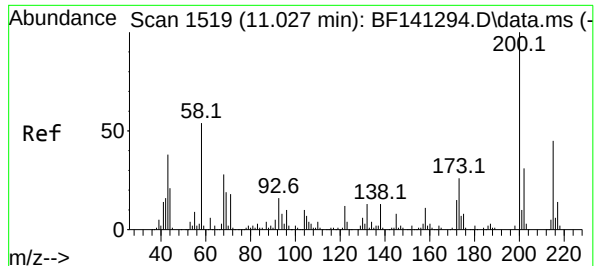
Tgt Ion:	248	Resp:	143325
Ion Ratio	Lower	Upper	
248	100		
250	98.2	79.0	118.4
141	78.8	63.7	95.5



#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:	284	Resp:	155137
Ion Ratio	Lower	Upper	
284	100		
142	35.3	29.5	44.3
249	31.9	25.4	38.2





#69

Atrazine

Concen: 39.568 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

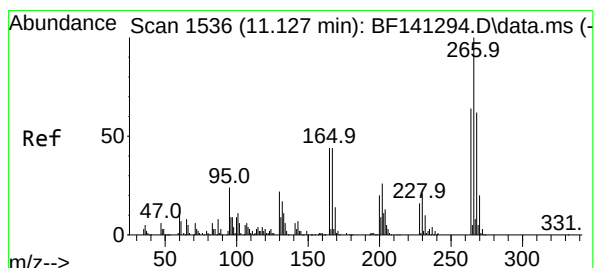
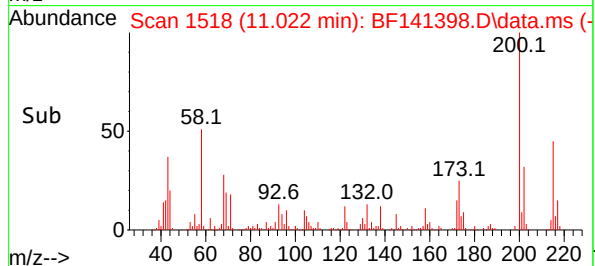
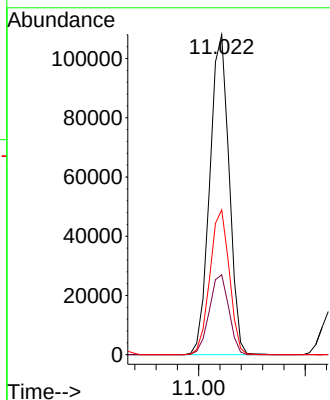
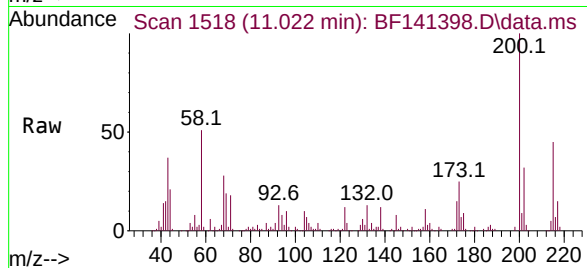
Tgt Ion:200 Resp: 136423

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

215 45.3 25.2 65.2



#70

Pentachlorophenol

Concen: 46.366 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

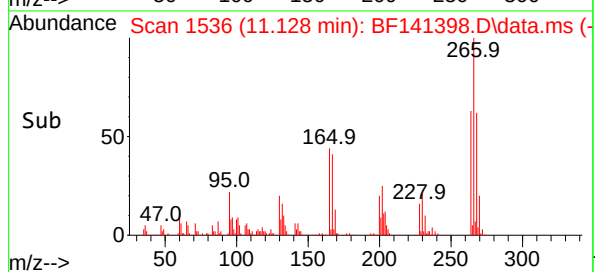
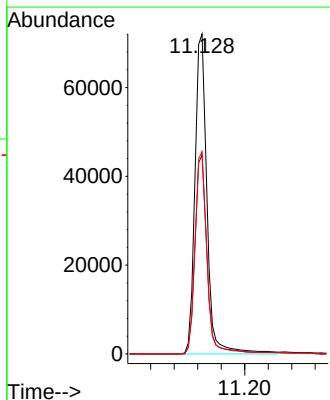
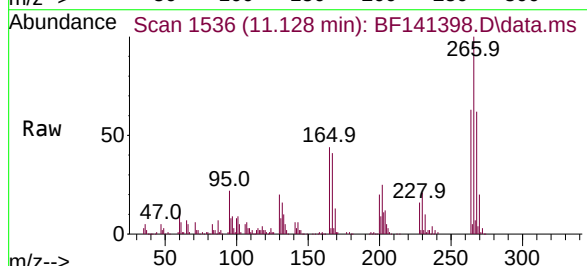
Tgt Ion:266 Resp: 102799

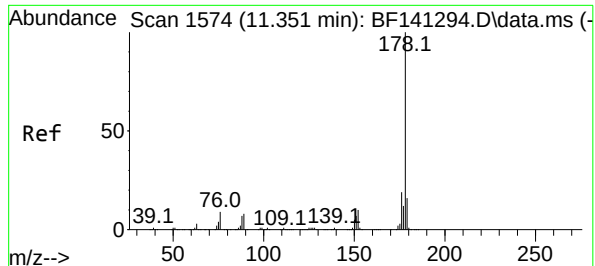
Ion Ratio Lower Upper

266 100

268 62.2 49.9 74.9

264 63.2 51.0 76.4





#71

Phenanthrene

Concen: 41.259 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

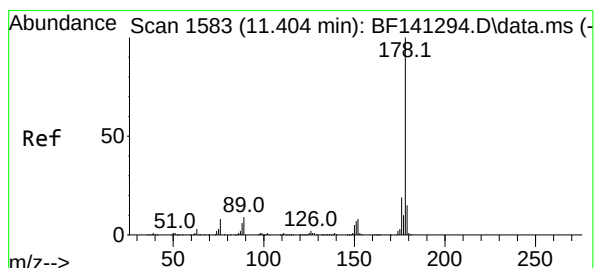
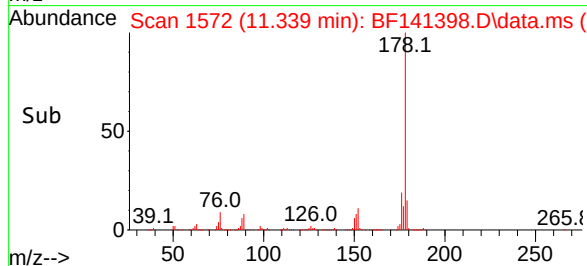
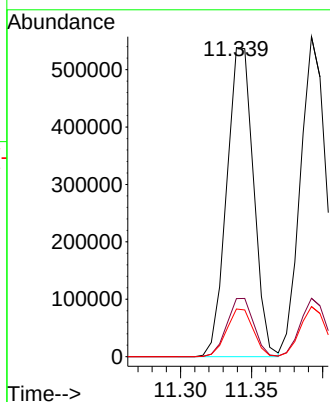
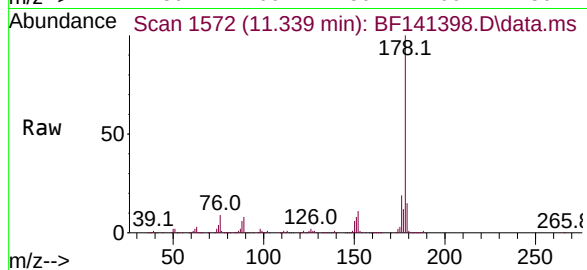
Tgt Ion:178 Resp: 707114

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 41.470 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

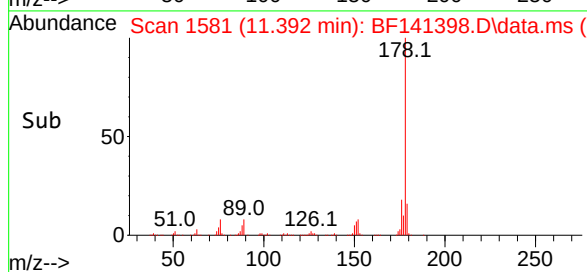
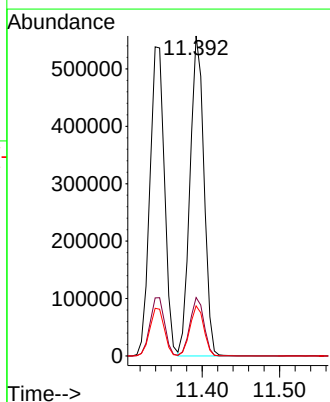
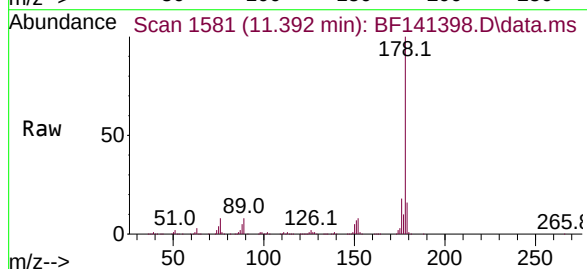
Tgt Ion:178 Resp: 696374

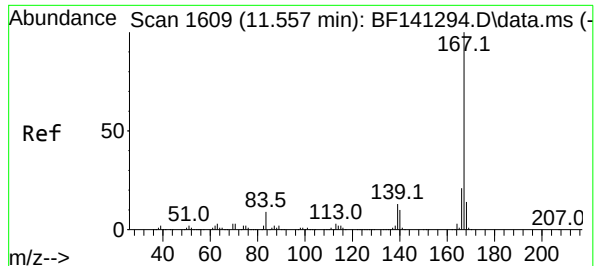
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 15.7 12.3 18.5





#73

Carbazole

Concen: 44.044 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

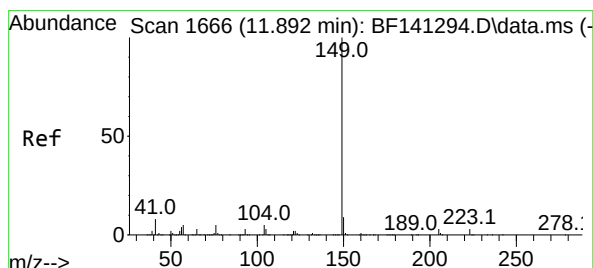
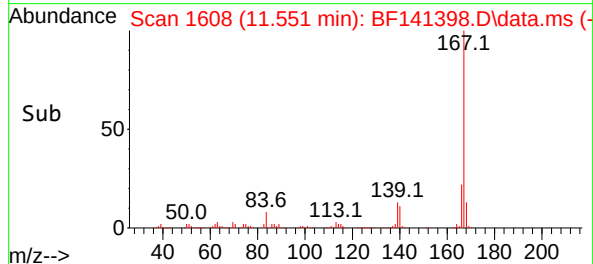
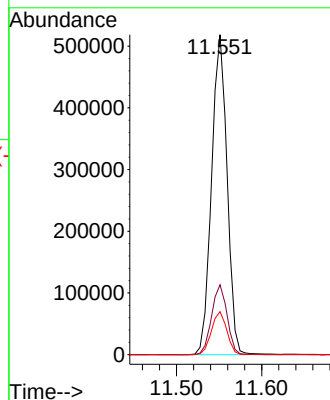
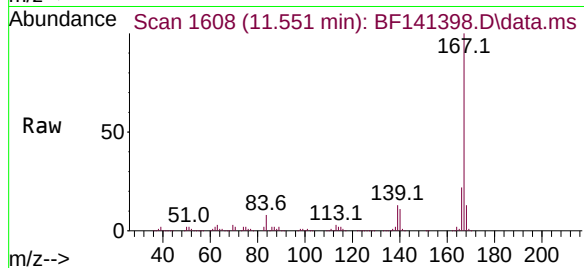
Tgt Ion:167 Resp: 655823

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 13.4 10.6 16.0



#74

Di-n-butylphthalate

Concen: 42.899 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

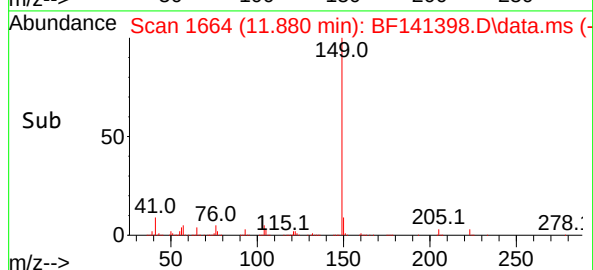
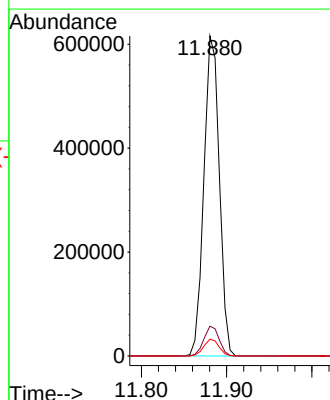
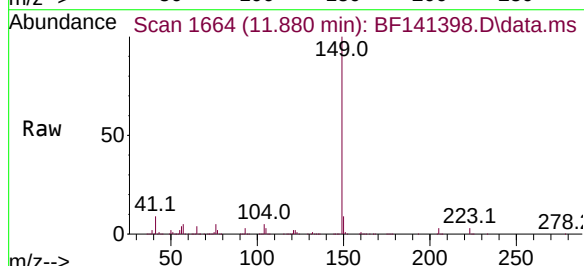
Tgt Ion:149 Resp: 774119

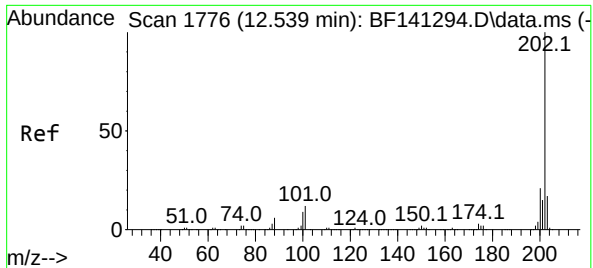
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.3 3.9 5.9

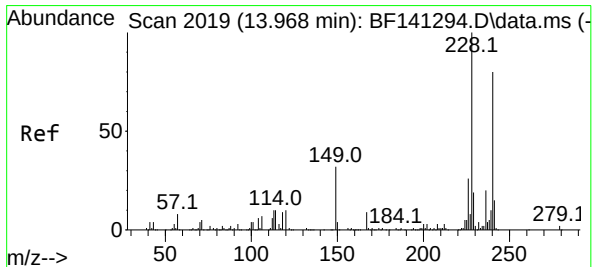
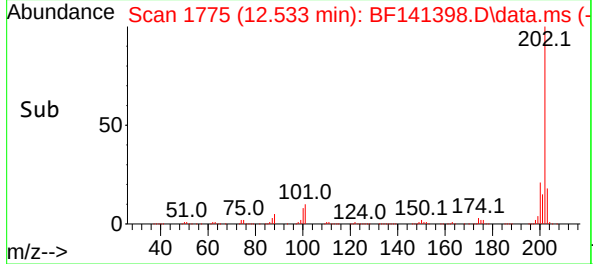
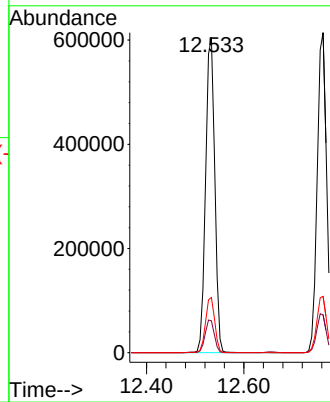
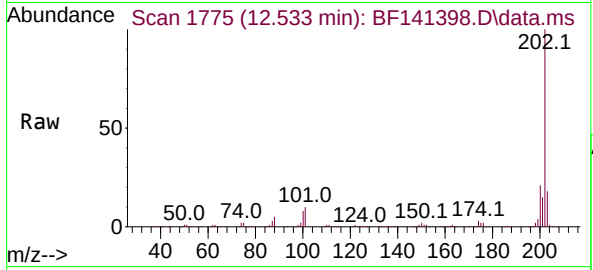




#75
Fluoranthene
Concen: 46.710 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

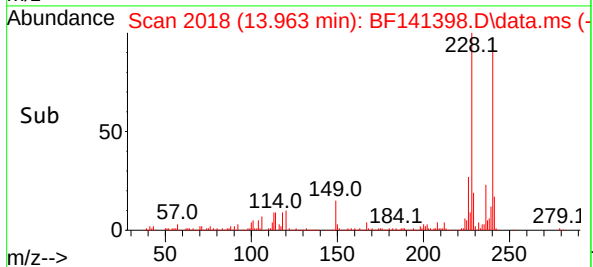
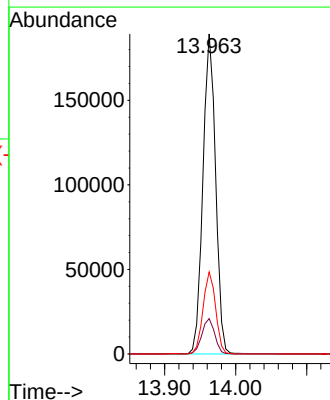
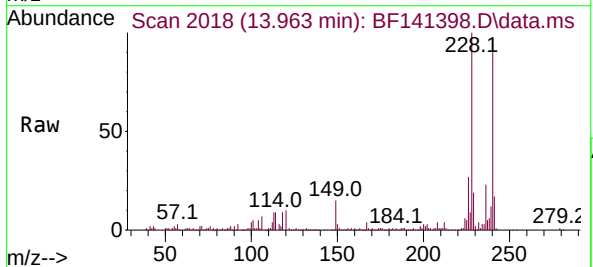
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

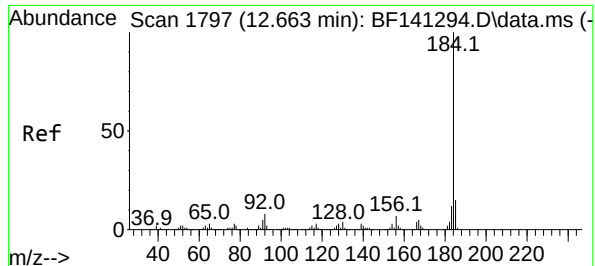
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.0	15.0
236	25.6	19.7	29.5





#77

Benzidine

Concen: 37.710 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

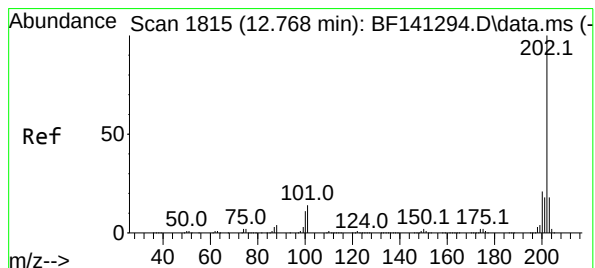
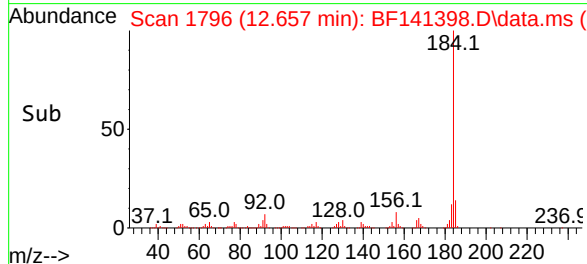
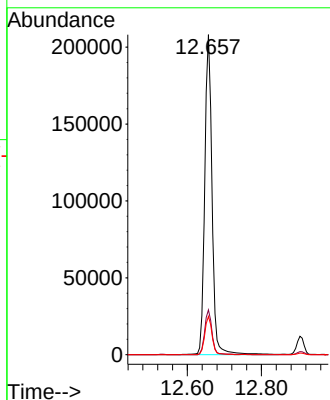
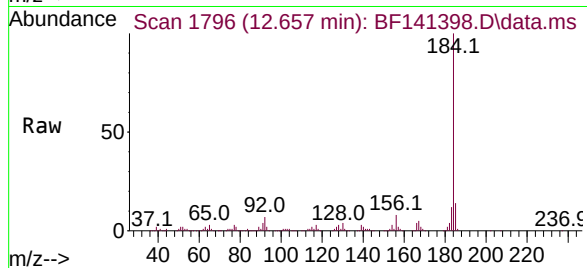
Tgt Ion:184 Resp: 284455

Ion Ratio Lower Upper

184 100

185 14.0 11.9 17.9

183 12.0 9.5 14.3



#78

Pyrene

Concen: 36.018 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

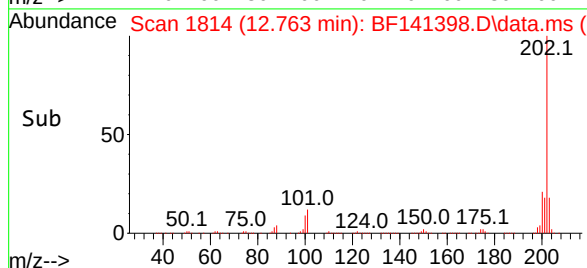
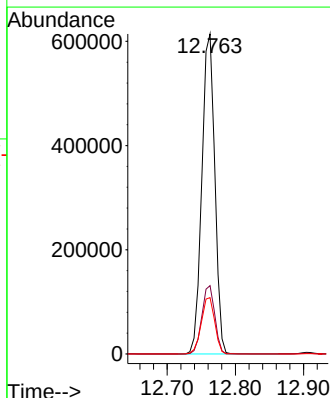
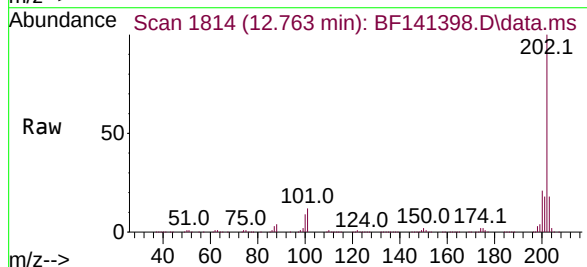
Tgt Ion:202 Resp: 813495

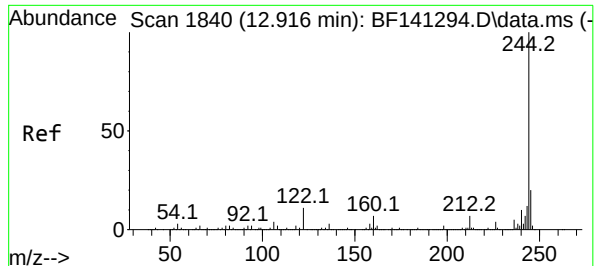
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 74.022 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

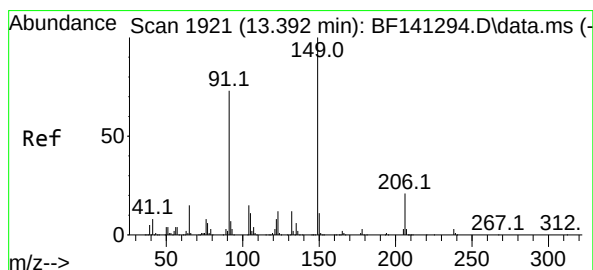
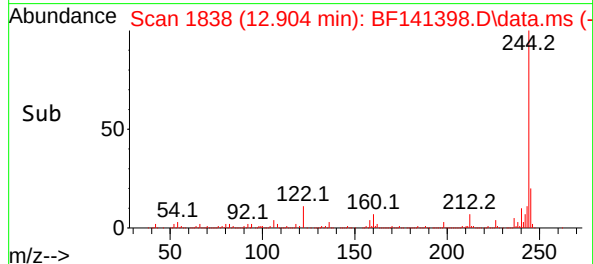
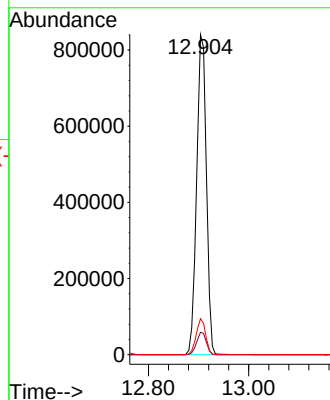
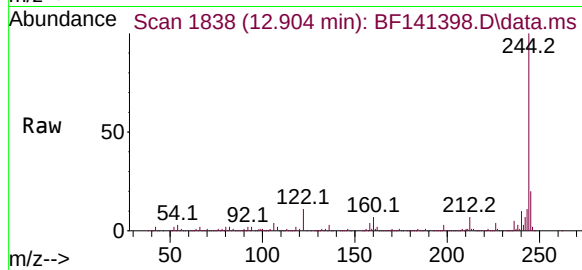
Tgt Ion:244 Resp: 1129373

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 41.239 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

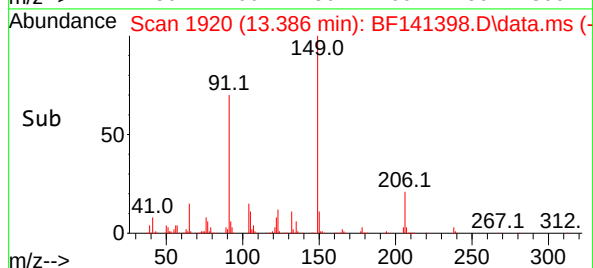
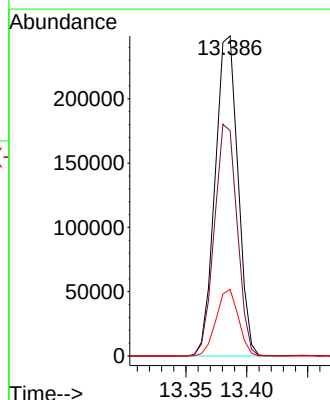
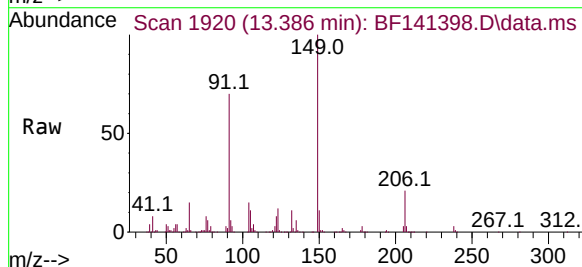
Tgt Ion:149 Resp: 325399

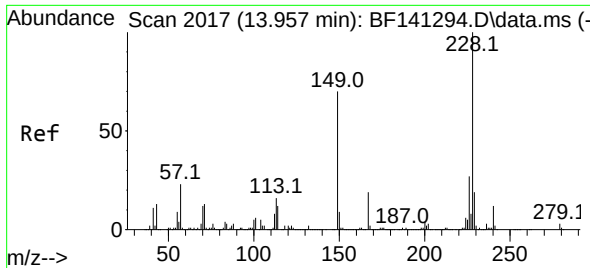
Ion Ratio Lower Upper

149 100

91 70.4 58.6 87.8

206 20.8 16.7 25.1

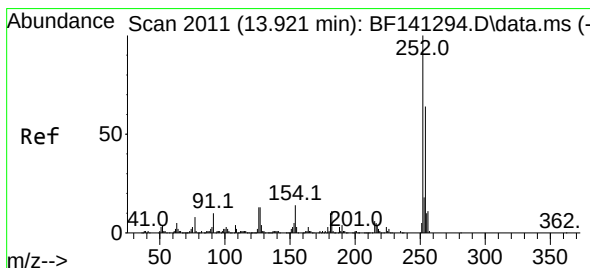
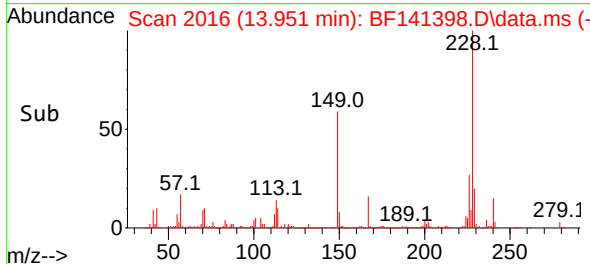
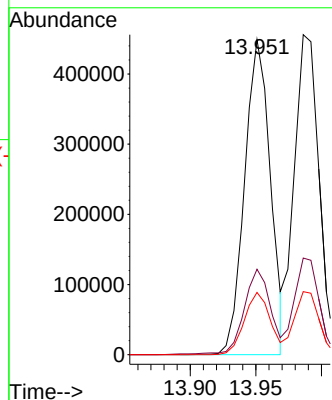
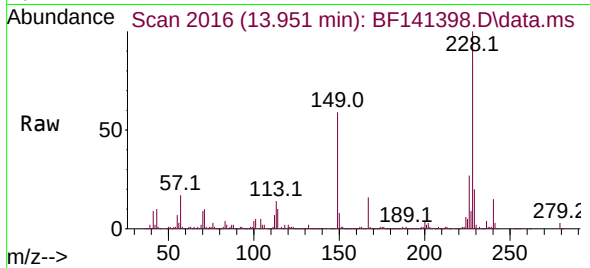




#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

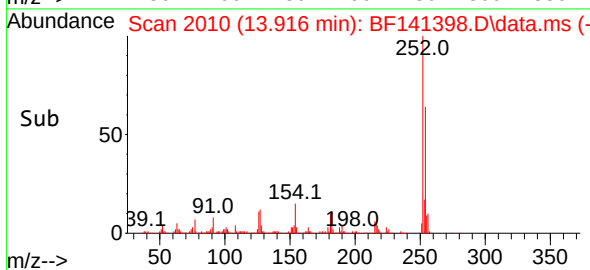
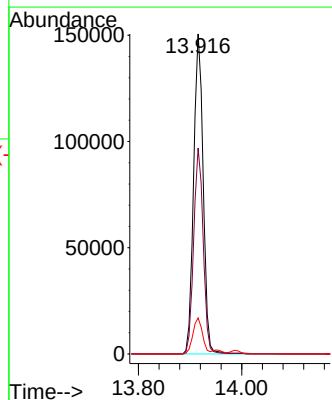
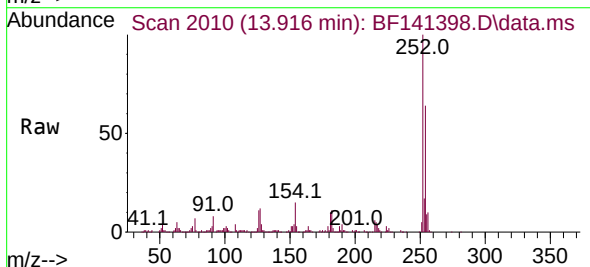
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

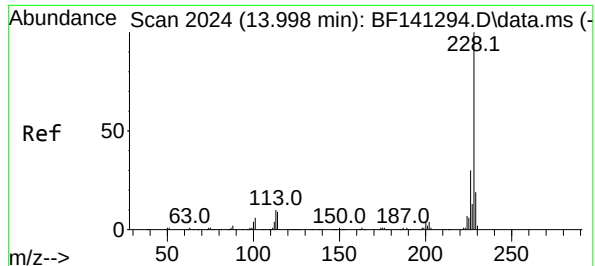
Tgt Ion:228 Resp: 614138
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 193800
Ion Ratio Lower Upper
252 100
254 64.3 51.3 76.9
126 11.3 10.0 15.0





#83

Chrysene

Concen: 40.160 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

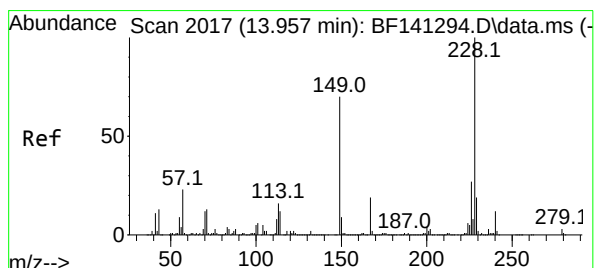
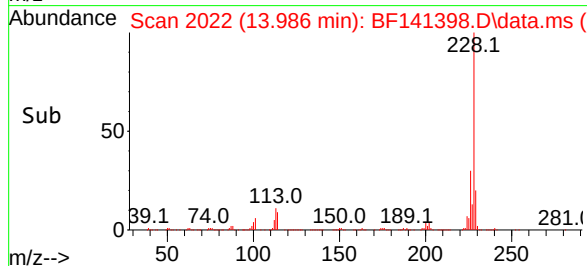
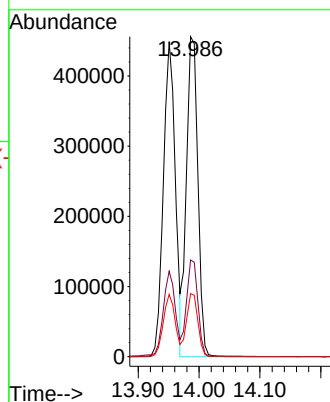
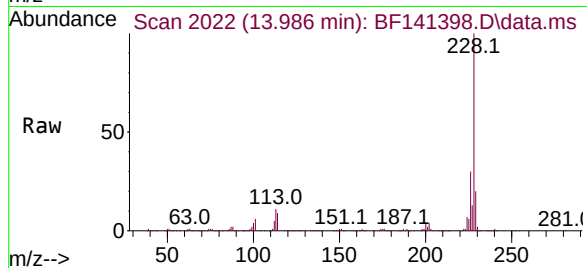
Tgt Ion:228 Resp: 597592

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.781 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

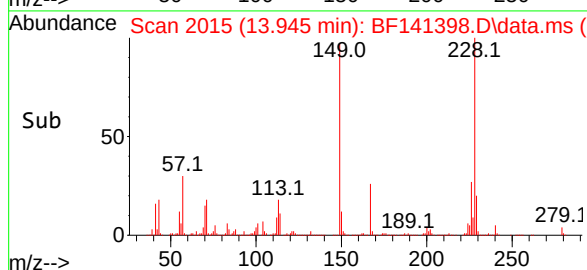
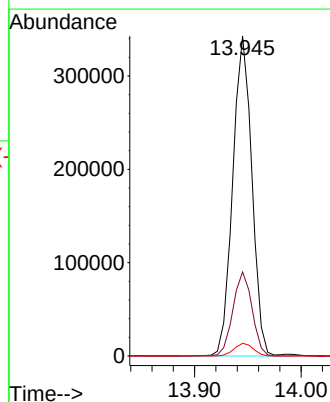
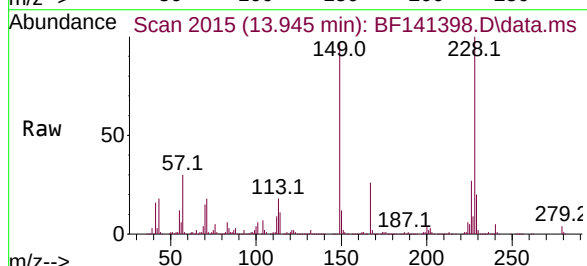
Tgt Ion:149 Resp: 428215

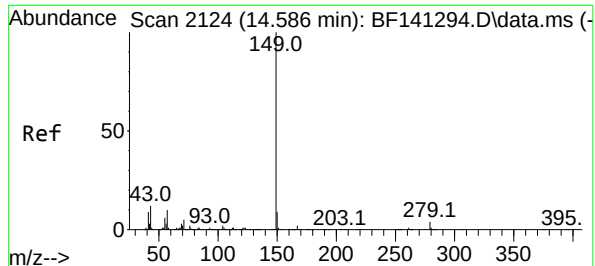
Ion Ratio Lower Upper

149 100

167 26.3 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 42.840 ng

RT: 14.568 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

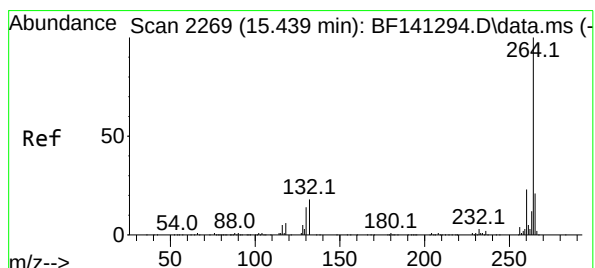
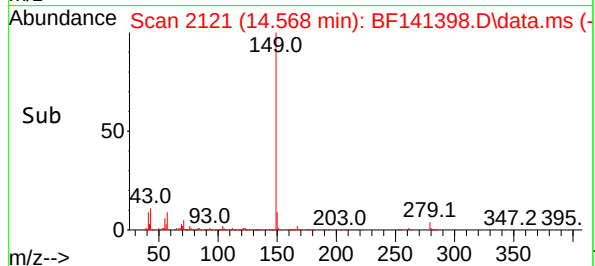
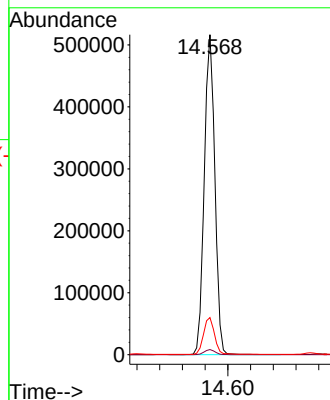
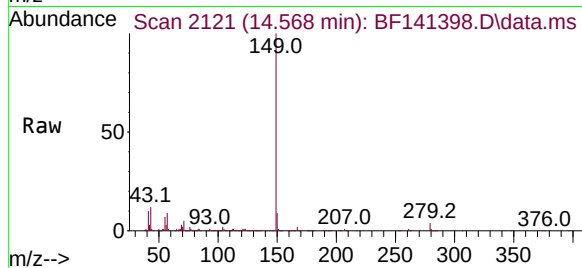
Tgt Ion:149 Resp: 666025

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.9 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

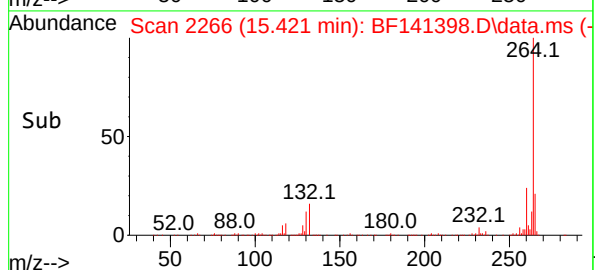
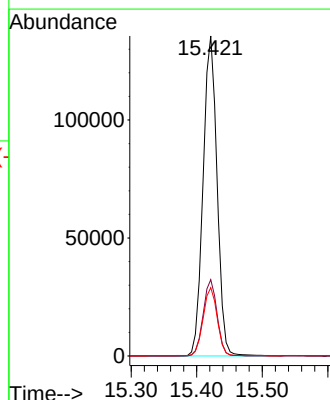
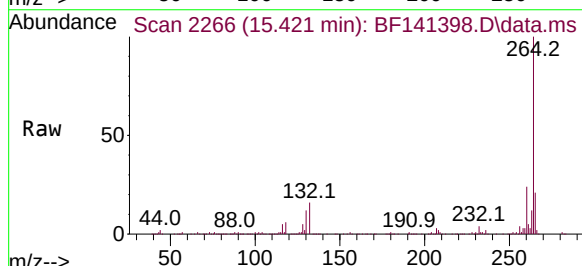
Tgt Ion:264 Resp: 201713

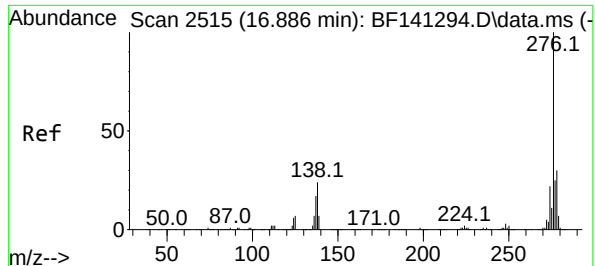
Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.469 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

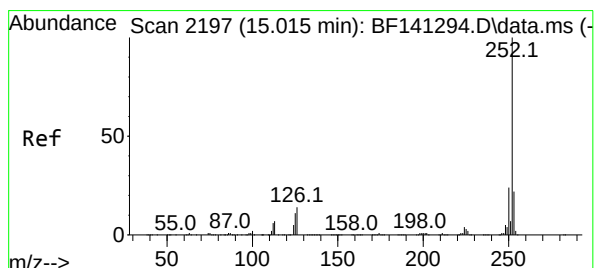
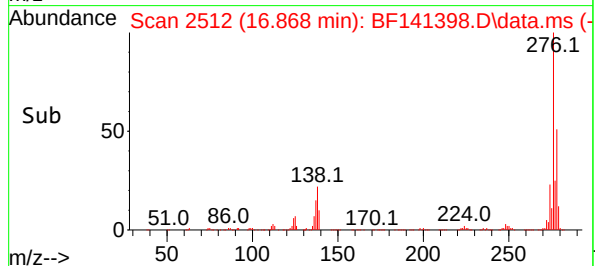
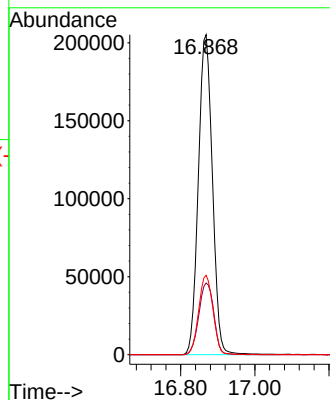
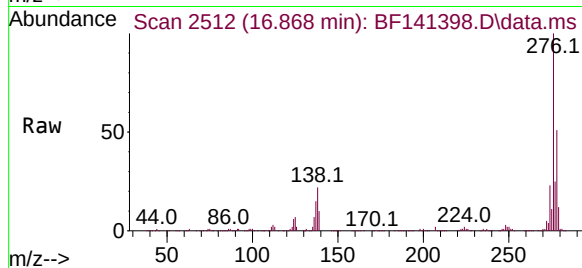
Tgt Ion:276 Resp: 539887

Ion Ratio Lower Upper

276 100

138 23.8 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.641 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

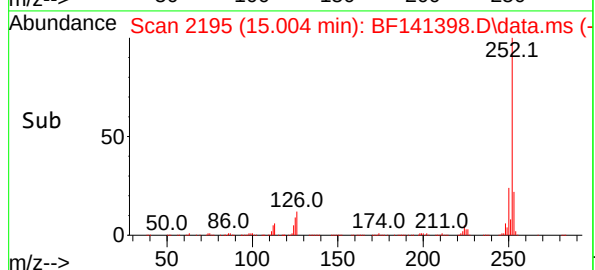
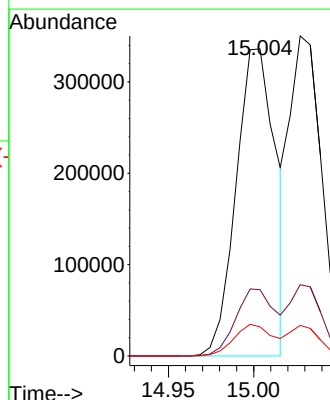
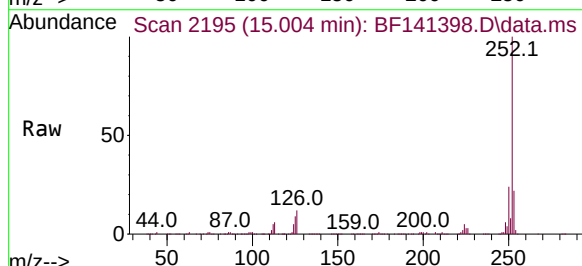
Tgt Ion:252 Resp: 541045

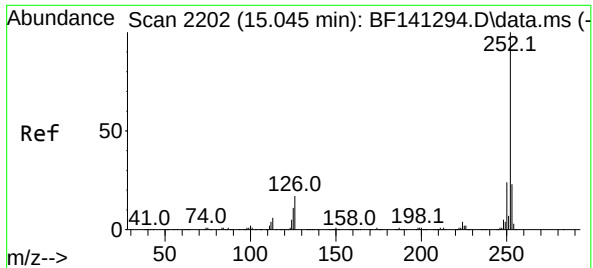
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 9.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 40.917 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

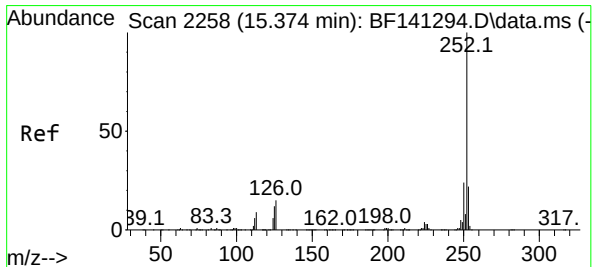
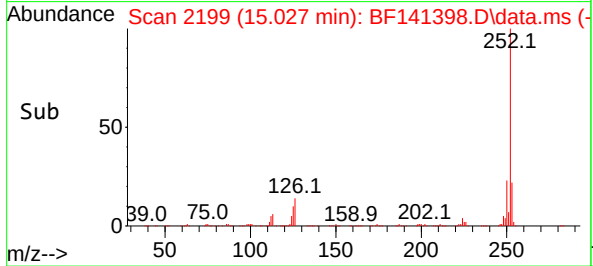
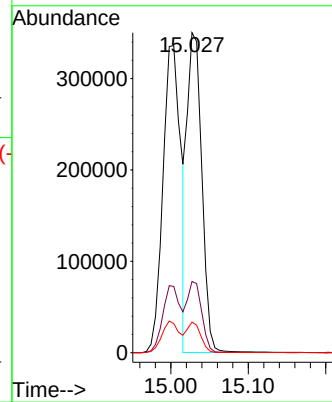
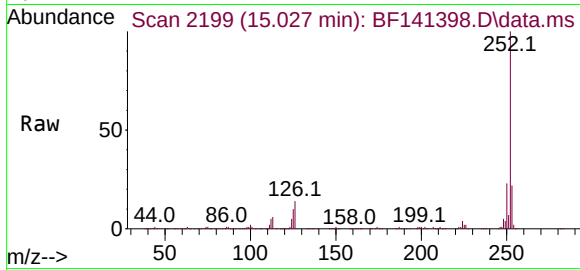
Tgt Ion:252 Resp: 459921

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 40.330 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

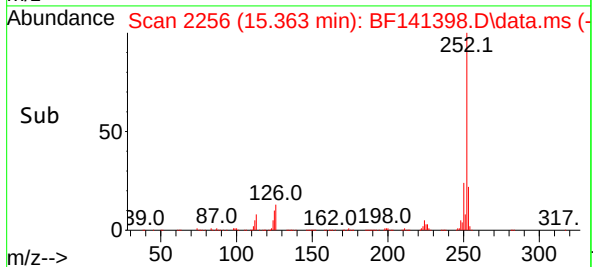
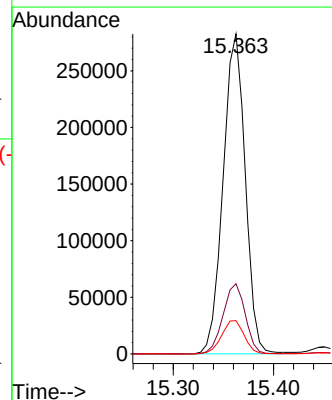
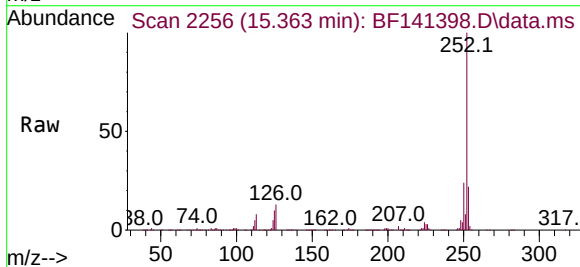
Tgt Ion:252 Resp: 432427

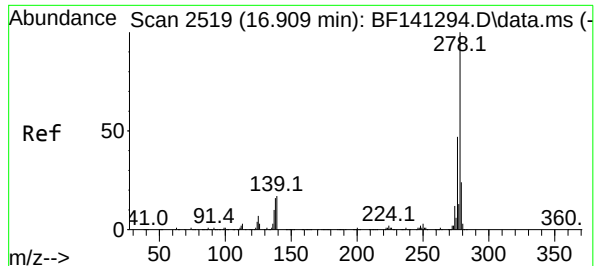
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.4 9.4 14.2

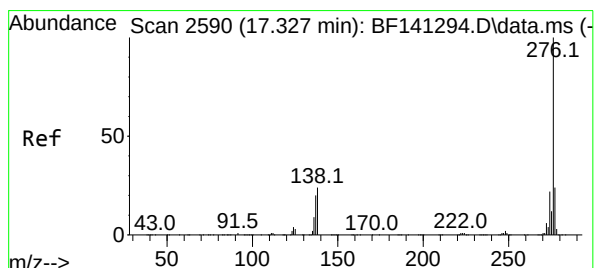
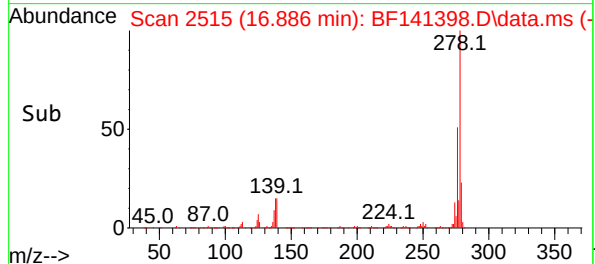
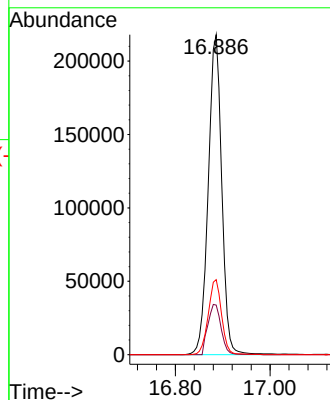
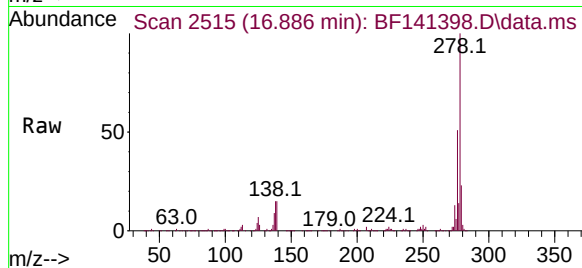




#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

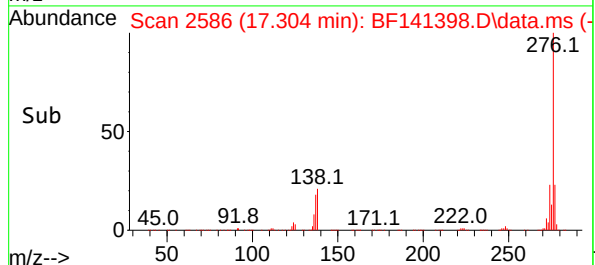
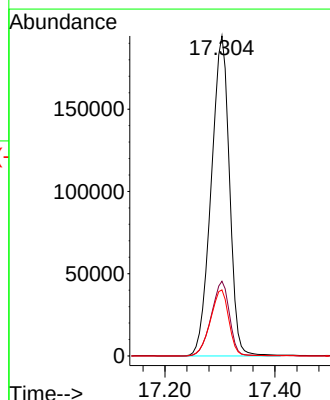
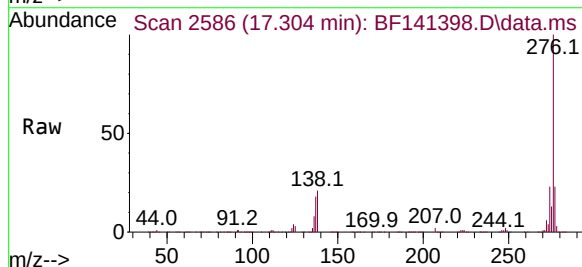
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 430740
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.212 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:276 Resp: 448843
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 20.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	64	-0.01
2	1,4-Dioxane	0.573	0.555	3.1	66	-0.05
3	Pyridine	1.380	1.270	8.0	62	-0.05
4	n-Nitrosodimethylamine	0.789	0.816	-3.4	70	-0.08
5 S	2-Fluorophenol	1.303	1.302	0.1	70	0.00
6	Aniline	1.403	1.258	10.3	59	-0.02
7 S	Phenol-d6	1.657	1.560	5.9	66	0.00
8	2-Chlorophenol	1.396	1.387	0.6	69	-0.01
9	Benzaldehyde	0.960	0.893	7.0	64	-0.01
10 C	Phenol	1.757	1.650	6.1	64	0.00
11	bis(2-Chloroethyl)ether	1.347	1.262	6.3	66	-0.02
12	1,3-Dichlorobenzene	1.540	1.501	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.539	0.5	69	-0.01
14	1,2-Dichlorobenzene	1.448	1.438	0.7	69	-0.01
15	Benzyl Alcohol	1.133	1.165	-2.8	69	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.108	10.0	62	-0.01
17	2-Methylphenol	1.135	1.074	5.4	66	0.00
18	Hexachloroethane	0.571	0.583	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.929	5.7	67	-0.02
20	3+4-Methylphenols	1.393	1.375	1.3	69	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	62	-0.01
22	Acetophenone	0.475	0.491	-3.4	70	-0.02
23 S	Nitrobenzene-d5	0.379	0.391	-3.2	69	-0.01
24	Nitrobenzene	0.393	0.398	-1.3	67	-0.02
25	Isophorone	0.656	0.643	2.0	65	-0.02
26 C	2-Nitrophenol	0.185	0.185	0.0	65	-0.01
27	2,4-Dimethylphenol	0.236	0.230	2.5	64	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.403	3.6	64	-0.01
29 C	2,4-Dichlorophenol	0.289	0.296	-2.4	68	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	69	-0.01
31	Naphthalene	1.057	1.061	-0.4	68	-0.01
32	Benzoic acid	0.217	0.229	-5.5	65	-0.04
33	4-Chloroaniline	0.358	0.347	3.1	64	0.00
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	72	0.00
35	Caprolactam	0.094	0.093	1.1	65	-0.04
36 C	4-Chloro-3-methylphenol	0.310	0.325	-4.8	71	0.00
37	2-Methylnaphthalene	0.672	0.684	-1.8	68	-0.01
38	1-Methylnaphthalene	0.660	0.668	-1.2	69	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	70	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	69	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.202	-10.4	75	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.382	-2.7	67	0.00
44	2,4,5-Trichlorophenol	0.405	0.421	-4.0	71	0.00
45 S	2-Fluorobiphenyl	1.299	1.328	-2.2	72	-0.01
46	1,1'-Biphenyl	1.560	1.563	-0.2	69	-0.01
47	2-Chloronaphthalene	1.216	1.209	0.6	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.390	-2.1	68	0.00
49	Acenaphthylene	1.702	1.717	-0.9	69	-0.01
50	Dimethylphthalate	1.351	1.371	-1.5	71	-0.01
51	2,6-Dinitrotoluene	0.314	0.321	-2.2	69	-0.01
52 C	Acenaphthene	1.216	1.256	-3.3	71	-0.01
53	3-Nitroaniline	0.307	0.321	-4.6	68	-0.01
54 P	2,4-Dinitrophenol	0.146	0.165	-13.0	71	-0.01
55	Dibenzofuran	1.627	1.669	-2.6	70	-0.01
56 P	4-Nitrophenol	0.225	0.257	-14.2	73	0.00
57	2,4-Dinitrotoluene	0.406	0.441	-8.6	73	-0.01
58	Fluorene	1.262	1.306	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.341	-6.9	72	0.00
60	Diethylphthalate	1.310	1.374	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.648	-5.0	73	0.00
62	4-Nitroaniline	0.302	0.344	-13.9	76	-0.02
63	Azobenzene	1.311	1.319	-0.6	69	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.137	-16.1	76	-0.01
66 c	n-Nitrosodiphenylamine	0.647	0.634	2.0	70	-0.01
67	4-Bromophenyl-phenylether	0.224	0.225	-0.4	72	-0.01
68	Hexachlorobenzene	0.238	0.243	-2.1	74	-0.01
69	Atrazine	0.216	0.214	0.9	70	-0.01
70 C	Pentachlorophenol	0.139	0.161	-15.8	78	0.00
71	Phenanthrene	1.075	1.109	-3.2	75	-0.01
72	Anthracene	1.053	1.092	-3.7	75	-0.01
73	Carbazole	0.934	1.028	-10.1	80	0.00
74	Di-n-butylphthalate	1.132	1.214	-7.2	78	-0.01
75 C	Fluoranthene	1.062	1.240	-16.8	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzydine	0.641	0.604	5.8	75	0.00
78	Pyrene	1.920	1.729	9.9	89	0.00
79 S	Terphenyl-d14	1.297	1.200	7.5	92	-0.01
80	Butylbenzylphthalate	0.671	0.691	-3.0	100	0.00
81	Benzo(a)anthracene	1.380	1.305	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.412	6.2	89	-0.01
83	Chrysene	1.265	1.270	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.910	-6.9	105	-0.01
85 c	Di-n-octyl phthalate	1.321	1.415	-7.1	104	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.338	-3.6	77	-0.03
88	Benzo(b)fluoranthene	1.258	1.341	-6.6	86	-0.02
89	Benzo(k)fluoranthene	1.114	1.140	-2.3	76	-0.02
90 C	Benzo(a)pyrene	1.063	1.072	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.068	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	1.080	1.113	-3.1	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
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Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	64	-0.01
2	1,4-Dioxane	40.000	38.714	3.2	66	-0.05
3	Pyridine	40.000	36.803	8.0	62	-0.05
4	n-Nitrosodimethylamine	40.000	41.383	-3.5	70	-0.08
5 S	2-Fluorophenol	80.000	79.945	0.1	70	0.00
6	Aniline	40.000	35.876	10.3	59	-0.02
7 S	Phenol-d6	80.000	75.322	5.8	66	0.00
8	2-Chlorophenol	40.000	39.734	0.7	69	-0.01
9	Benzaldehyde	40.000	37.226	6.9	64	-0.01
10 C	Phenol	40.000	37.574	6.1	64	0.00
11	bis(2-Chloroethyl)ether	40.000	37.487	6.3	66	-0.02
12	1,3-Dichlorobenzene	40.000	39.009	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	40.000	39.806	0.5	69	-0.01
14	1,2-Dichlorobenzene	40.000	39.708	0.7	69	-0.01
15	Benzyl Alcohol	40.000	41.142	-2.9	69	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	36.004	10.0	62	-0.01
17	2-Methylphenol	40.000	37.854	5.4	66	0.00
18	Hexachloroethane	40.000	40.842	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	37.733	5.7	67	-0.02
20	3+4-Methylphenols	40.000	39.483	1.3	69	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	62	-0.01
22	Acetophenone	40.000	41.351	-3.4	70	-0.02
23 S	Nitrobenzene-d5	80.000	82.468	-3.1	69	-0.01
24	Nitrobenzene	40.000	40.497	-1.2	67	-0.02
25	Isophorone	40.000	39.213	2.0	65	-0.02
26 C	2-Nitrophenol	40.000	39.973	0.1	65	-0.01
27	2,4-Dimethylphenol	40.000	38.904	2.7	64	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.495	3.8	64	-0.01
29 C	2,4-Dichlorophenol	40.000	41.025	-2.6	68	0.00
30	1,2,4-Trichlorobenzene	40.000	40.631	-1.6	69	-0.01
31	Naphthalene	40.000	40.155	-0.4	68	-0.01
32	Benzoic acid	40.000	42.292	-5.7	65	-0.04
33	4-Chloroaniline	40.000	38.783	3.0	64	0.00
34 C	Hexachlorobutadiene	40.000	42.897	-7.2	72	0.00
35	Caprolactam	40.000	39.634	0.9	65	-0.04
36 C	4-Chloro-3-methylphenol	40.000	42.000	-5.0	71	0.00
37	2-Methylnaphthalene	40.000	40.722	-1.8	68	-0.01
38	1-Methylnaphthalene	40.000	40.487	-1.2	69	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.257	-3.1	70	-0.01
41 P	Hexachlorocyclopentadiene	40.000	43.974	-9.9	69	-0.01
42 S	2,4,6-Tribromophenol	80.000	88.147	-10.2	75	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.007	-2.5	67	0.00
44	2,4,5-Trichlorophenol	40.000	41.577	-3.9	71	0.00
45 S	2-Fluorobiphenyl	80.000	81.771	-2.2	72	-0.01
46	1,1'-Biphenyl	40.000	40.089	-0.2	69	-0.01
47	2-Chloronaphthalene	40.000	39.785	0.5	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	40.764	-1.9	68	0.00
49	Acenaphthylene	40.000	40.360	-0.9	69	-0.01
50	Dimethylphthalate	40.000	40.604	-1.5	71	-0.01
51	2,6-Dinitrotoluene	40.000	40.929	-2.3	69	-0.01
52 C	Acenaphthene	40.000	41.328	-3.3	71	-0.01
53	3-Nitroaniline	40.000	41.746	-4.4	68	-0.01
54 P	2,4-Dinitrophenol	40.000	45.240	-13.1	71	-0.01
55	Dibenzofuran	40.000	41.022	-2.6	70	-0.01
56 P	4-Nitrophenol	40.000	45.798	-14.5	73	0.00
57	2,4-Dinitrotoluene	40.000	43.471	-8.7	73	-0.01
58	Fluorene	40.000	41.395	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.803	-7.0	72	0.00
60	Diethylphthalate	40.000	41.956	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	40.000	42.037	-5.1	73	0.00
62	4-Nitroaniline	40.000	45.468	-13.7	76	-0.02
63	Azobenzene	40.000	40.234	-0.6	69	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	46.476	-16.2	76	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.195	2.0	70	-0.01
67	4-Bromophenyl-phenylether	40.000	40.154	-0.4	72	-0.01
68	Hexachlorobenzene	40.000	40.974	-2.4	74	-0.01
69	Atrazine	40.000	39.568	1.1	70	-0.01
70 C	Pentachlorophenol	40.000	46.366	-15.9	78	0.00
71	Phenanthrene	40.000	41.259	-3.1	75	-0.01
72	Anthracene	40.000	41.470	-3.7	75	-0.01
73	Carbazole	40.000	44.044	-10.1	80	0.00
74	Di-n-butylphthalate	40.000	42.899	-7.2	78	-0.01
75 C	Fluoranthene	40.000	46.710	-16.8	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzydine	40.000	37.710	5.7	75	0.00
78	Pyrene	40.000	36.018	10.0	89	0.00
79 S	Terphenyl-d14	80.000	74.022	7.5	92	-0.01
80	Butylbenzylphthalate	40.000	41.239	-3.1	100	0.00
81	Benzo(a)anthracene	40.000	37.824	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	40.000	37.529	6.2	89	-0.01
83	Chrysene	40.000	40.160	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	42.781	-7.0	105	-0.01
85 c	Di-n-octyl phthalate	40.000	42.840	-7.1	104	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.469	-3.7	77	-0.03
88	Benzo(b)fluoranthene	40.000	42.641	-6.6	86	-0.02
89	Benzo(k)fluoranthene	40.000	40.917	-2.3	76	-0.02
90 C	Benzo(a)pyrene	40.000	40.330	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.123	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	40.000	41.212	-3.0	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.264		-8.4	
2-Fluorophenol	1.303	1.284		-1.5	
Phenol-d6	1.657	1.572		-5.1	
1,4-Dichlorobenzene	1.547	1.553		0.4	20.0
2-Methylphenol	1.135	1.080		-4.8	
3+4-Methylphenols	1.393	1.396		0.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
2,4-Dinitrotoluene	0.406	0.439		8.1	
2,4,6-Tribromophenol	0.183	0.206		12.6	
Hexachlorobenzene	0.238	0.248		4.2	
Pentachlorophenol	0.139	0.158		13.7	20.0
Terphenyl-d14	1.297	1.228		-5.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	89972	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	349697	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	187729	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	325046	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	235785	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	203742	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	461991	78.830	ng	0.00
7) Phenol-d6	6.434	99	565803	75.891	ng	0.00
23) Nitrobenzene-d5	7.357	82	542962	81.851	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	154436	89.734	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	996571	81.709	ng	-0.01
79) Terphenyl-d14	12.904	244	1157717	75.722	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.452	88	96236	37.338	ng	98
3) Pyridine	3.175	79	227442	36.624	ng	95
4) n-Nitrosodimethylamine	3.134	42	148075m	41.739	ng	
6) Aniline	6.451	93	231086	36.617	ng	# 24
8) 2-Chlorophenol	6.581	128	246203	39.195	ng	97
9) Benzaldehyde	6.340	77	182303	42.215	ng	99
10) Phenol	6.445	94	294371	37.247	ng	# 67
11) bis(2-Chloroethyl)ether	6.528	93	226600	37.395	ng	98
12) 1,3-Dichlorobenzene	6.728	146	275749	39.813	ng	99
13) 1,4-Dichlorobenzene	6.810	146	279491	40.169	ng	99
14) 1,2-Dichlorobenzene	6.963	146	260169	39.932	ng	98
15) Benzyl Alcohol	6.934	79	212366	41.681	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	375805	35.664	ng	81
17) 2-Methylphenol	7.057	107	194281	38.055	ng	# 91
18) Hexachloroethane	7.304	117	103872	40.467	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	169782	38.325	ng	99
20) 3+4-Methylphenols	7.204	107	251134	40.064	ng	91
22) Acetophenone	7.198	105	345559	41.572	ng	# 98
24) Nitrobenzene	7.375	77	275017	40.006	ng	100
25) Isophorone	7.610	82	447558	39.031	ng	98
26) 2-Nitrophenol	7.692	139	134199	41.393	ng	98
27) 2,4-Dimethylphenol	7.734	122	159583m	38.672	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	278158	38.030	ng	98
29) 2,4-Dichlorophenol	7.939	162	204485	40.477	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	235617	40.839	ng	99
31) Naphthalene	8.098	128	733327	39.696	ng	99
32) Benzoic acid	7.851	122	160931	42.423	ng	95
33) 4-Chloroaniline	8.145	127	222768	35.561	ng	99
34) Hexachlorobutadiene	8.210	225	145800	43.093	ng	99
35) Caprolactam	8.516	113	65085	39.448	ng	96
36) 4-Chloro-3-methylphenol	8.633	107	223256	41.200	ng	95
37) 2-Methylnaphthalene	8.786	142	471006	40.115	ng	100
38) 1-Methylnaphthalene	8.886	142	459817	39.867	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	220482	41.284	ng	100
41) Hexachlorocyclopentadiene	8.939	237	69619	44.139	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	144492	41.335	ng	100

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 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

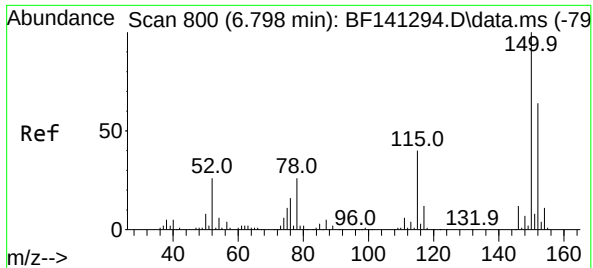
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	157526	41.404	ng	100
46) 1,1'-Biphenyl	9.251	154	583575	39.860	ng	98
47) 2-Chloronaphthalene	9.275	162	451544	39.569	ng	99
48) 2-Nitroaniline	9.375	65	148678	41.421	ng	98
49) Acenaphthylene	9.692	152	645795	40.428	ng	100
50) Dimethylphthalate	9.557	163	510098	40.231	ng	100
51) 2,6-Dinitrotoluene	9.616	165	120960	41.088	ng	99
52) Acenaphthene	9.863	154	469576	41.148	ng	98
53) 3-Nitroaniline	9.786	138	117193	40.616	ng	99
54) 2,4-Dinitrophenol	9.892	184	65781	48.068	ng	93
55) Dibenzofuran	10.033	168	622267	40.736	ng	98
56) 4-Nitrophenol	9.963	139	93228	44.180	ng	92
57) 2,4-Dinitrotoluene	10.016	165	164833	43.245	ng	96
58) Fluorene	10.380	166	493864	41.680	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	126118	42.135	ng	96
60) Diethylphthalate	10.251	149	514014	41.811	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	241686	41.757	ng	97
62) 4-Nitroaniline	10.398	138	128297	45.227	ng	91
63) Azobenzene	10.533	77	490065	39.824	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	92244	47.978	ng	98
66) n-Nitrosodiphenylamine	10.492	169	417972	39.757	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	148831	40.899	ng	99
68) Hexachlorobenzene	10.927	284	160903	41.684	ng	98
69) Atrazine	11.016	200	137337	39.071	ng	99
70) Pentachlorophenol	11.122	266	102619	45.399	ng	98
71) Phenanthrene	11.339	178	723529	41.409	ng	100
72) Anthracene	11.392	178	716469	41.850	ng	100
73) Carbazole	11.551	167	662834	43.663	ng	99
74) Di-n-butylphthalate	11.880	149	800193	43.495	ng	99
75) Fluoranthene	12.527	202	801222	46.442	ng	98
77) Benzidine	12.657	184	300130	39.706	ng	99
78) Pyrene	12.757	202	816862	36.091	ng	100
80) Butylbenzylphthalate	13.380	149	316309	40.003	ng	99
81) Benzo(a)anthracene	13.951	228	602639	37.039	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193238	37.342	ng	99
83) Chrysene	13.986	228	583785	39.150	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	413503	41.225	ng	99
85) Di-n-octyl phthalate	14.568	149	625670	40.161	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	531435	40.413	ng	96
88) Benzo(b)fluoranthene	15.004	252	519917	40.568	ng	98
89) Benzo(k)fluoranthene	15.033	252	495242	43.621	ng	98
90) Benzo(a)pyrene	15.362	252	444854	41.076	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430043	40.648	ng	97
92) Benzo(g,h,i)perylene	17.304	276	438392	39.851	ng	95

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

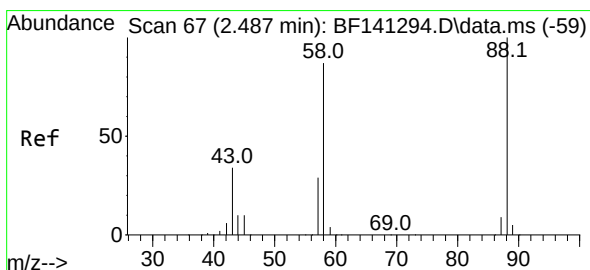
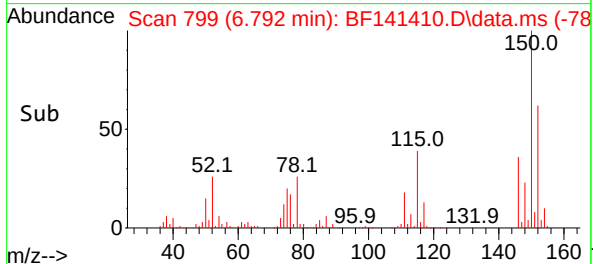
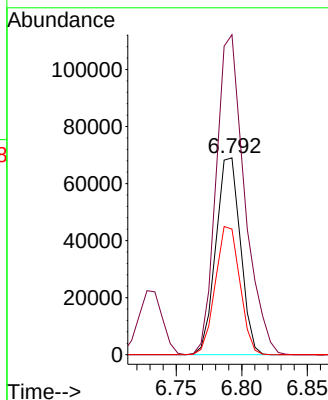
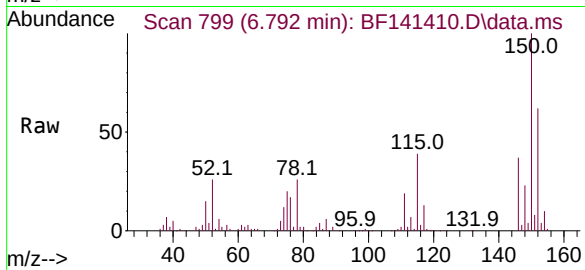
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- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

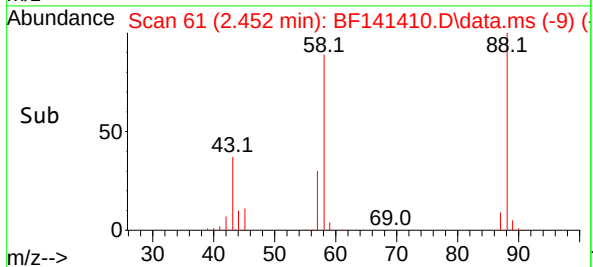
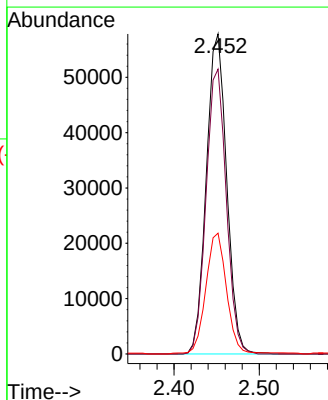
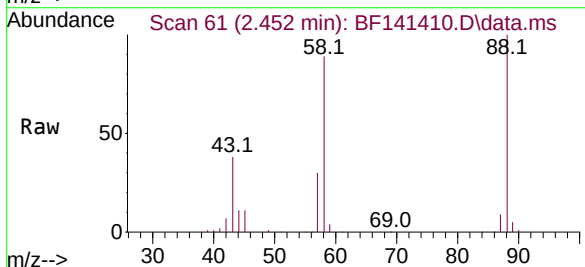
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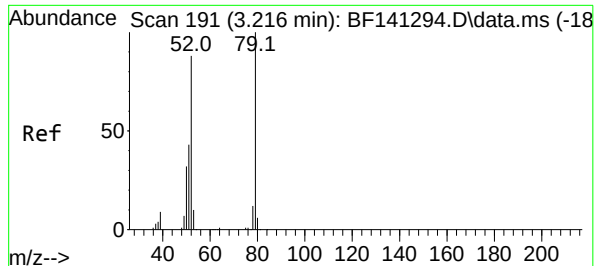
Tgt Ion:152 Resp: 89972
Ion Ratio Lower Upper
152 100
150 162.5 125.9 188.9
115 63.8 49.7 74.5



#2
1,4-Dioxane
Concen: 37.338 ng
RT: 2.452 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 88 Resp: 96236
Ion Ratio Lower Upper
88 100
58 88.3 70.2 105.4
43 38.6 27.6 41.4





#3

Pyridine

Concen: 36.624 ng

RT: 3.175 min Scan# 11

Delta R.T. -0.053 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

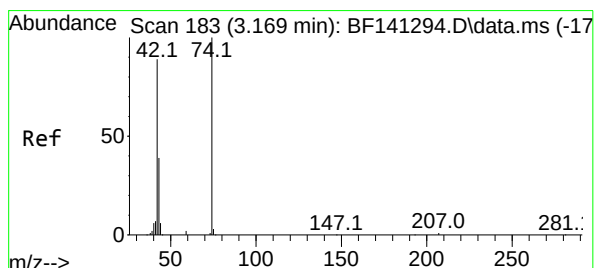
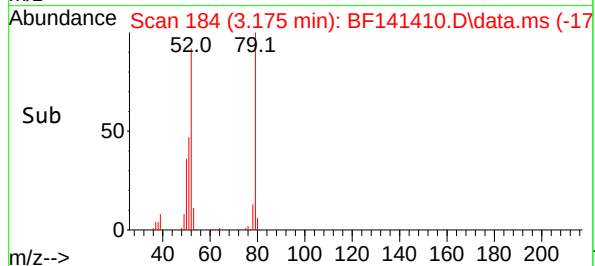
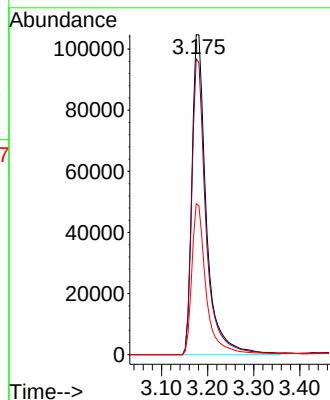
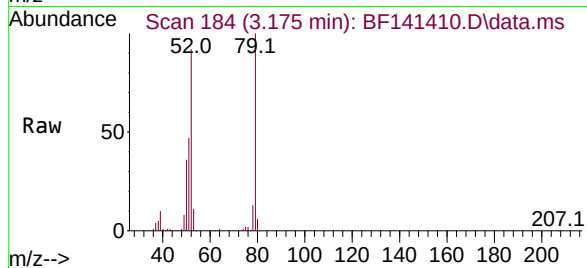
Tgt Ion: 79 Resp: 227442

Ion Ratio Lower Upper

79 100

52 92.5 70.3 105.5

51 47.1 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 41.739 ng m

RT: 3.134 min Scan# 177

Delta R.T. -0.065 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

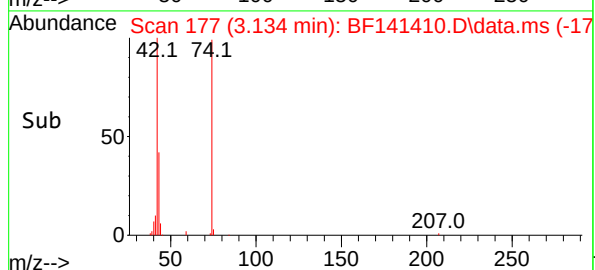
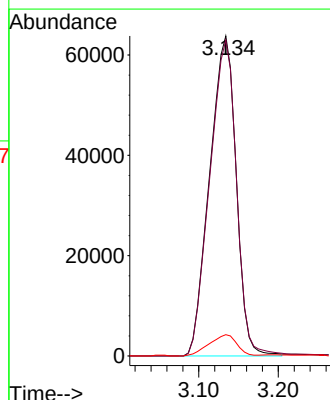
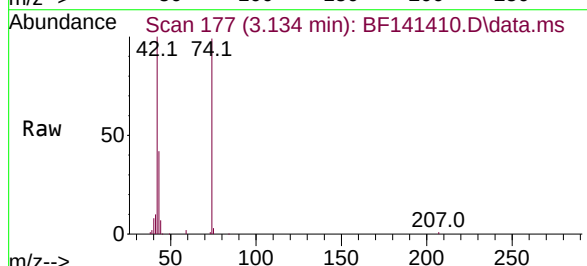
Tgt Ion: 42 Resp: 148075

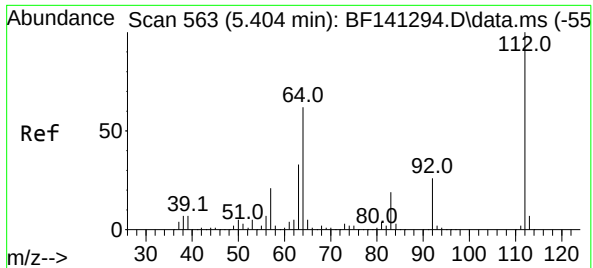
Ion Ratio Lower Upper

42 100

74 98.8 90.3 135.5

44 6.7 5.7 8.5

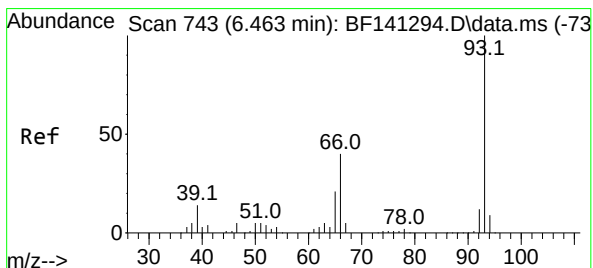
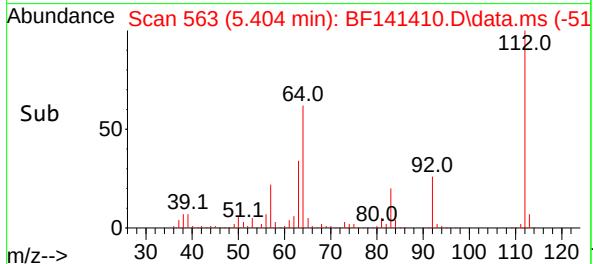
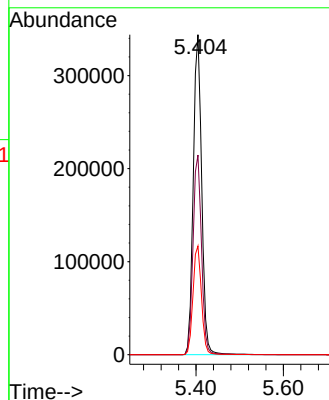
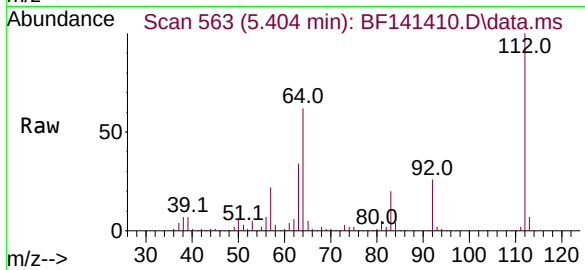




#5
2-Fluorophenol
Concen: 78.830 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

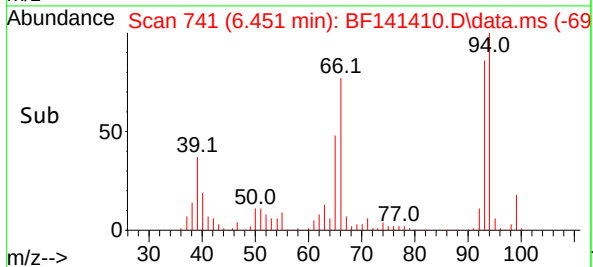
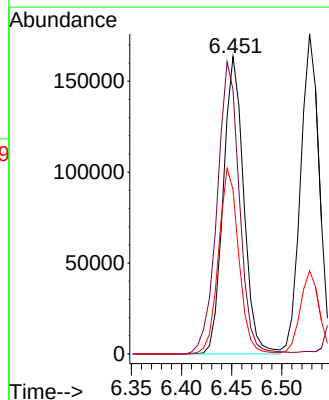
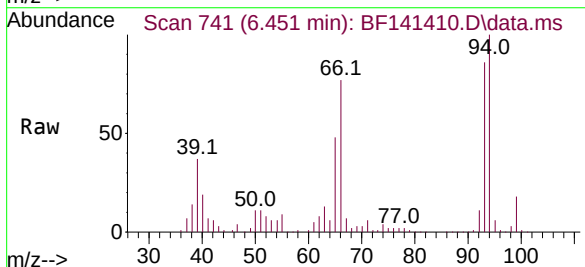
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ClientSampleId :
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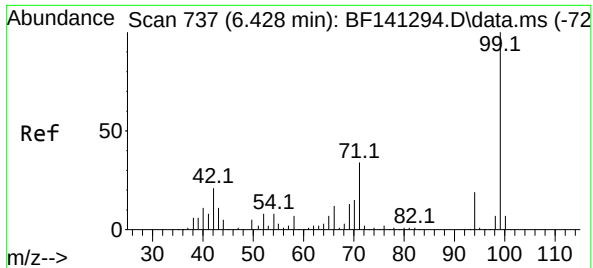
Tgt Ion:112 Resp: 461991
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.0 26.1 39.1



#6
Aniline
Concen: 36.617 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 231086
Ion Ratio Lower Upper
93 100
66 88.8 32.5 48.7#
65 55.3 17.0 25.6#

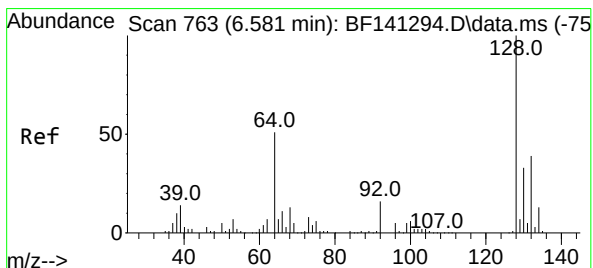
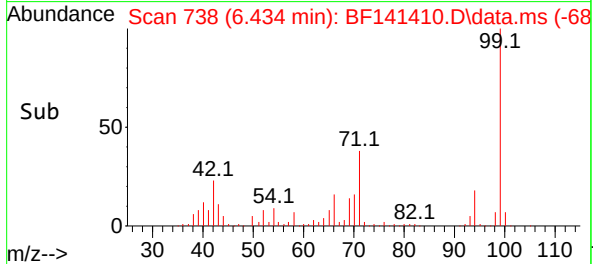
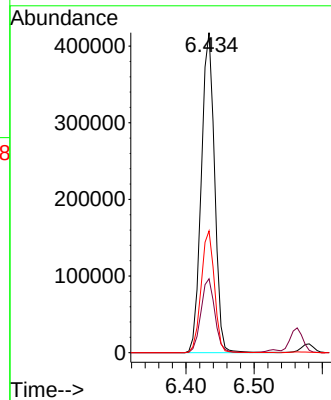
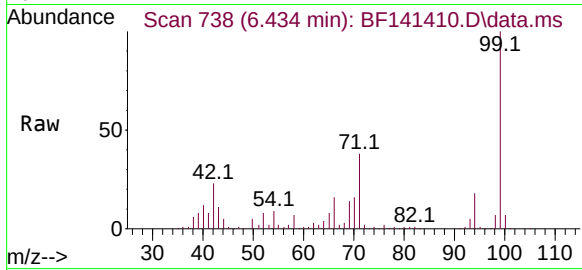




#7
Phenol-d6
Concen: 75.891 ng
RT: 6.434 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

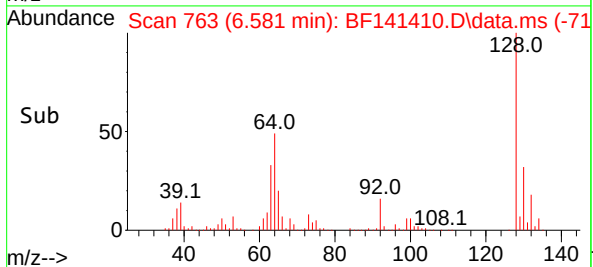
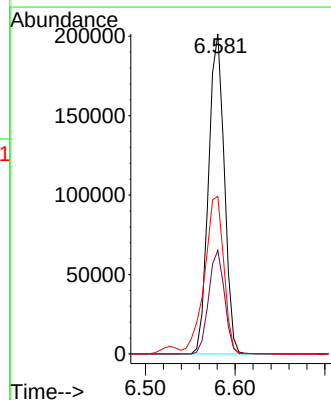
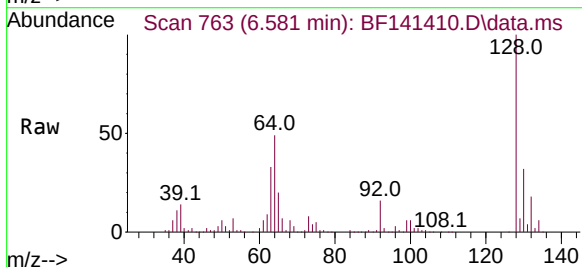
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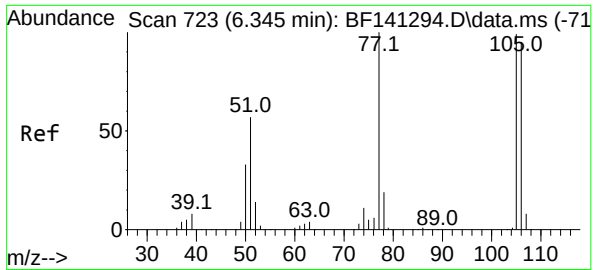
Tgt Ion: 99 Resp: 565803
Ion Ratio Lower Upper
99 100
42 23.1 17.1 25.7
71 38.0 26.9 40.3



#8
2-Chlorophenol
Concen: 39.195 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 128 Resp: 246203
Ion Ratio Lower Upper
128 100
130 32.3 12.5 52.5
64 49.2 32.9 72.9

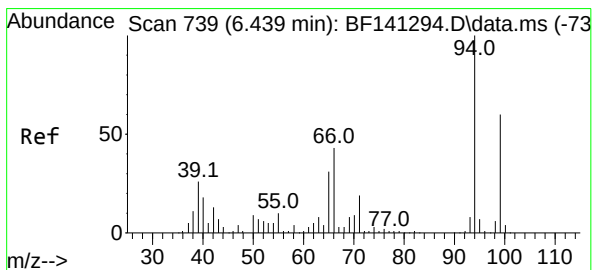
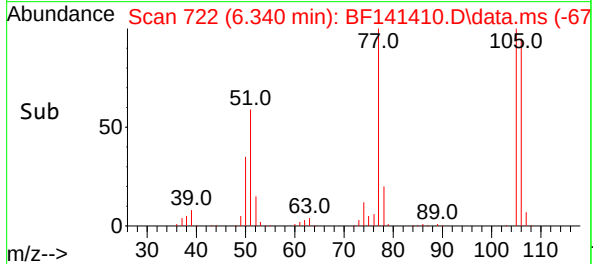
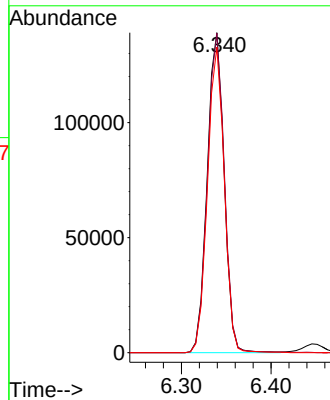
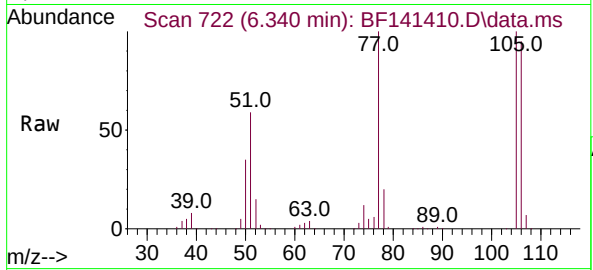




#9
Benzaldehyde
Concen: 42.215 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

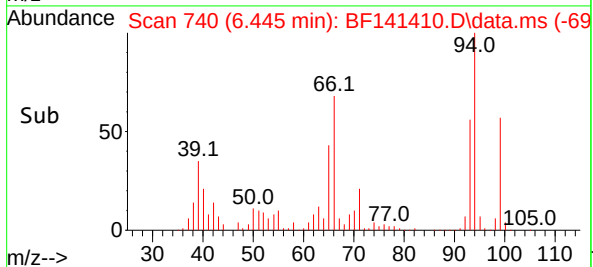
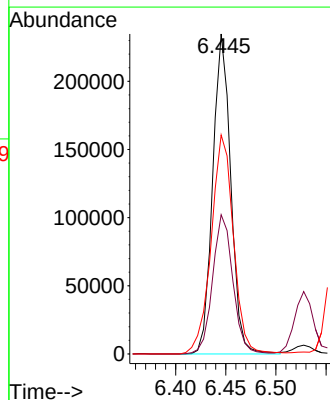
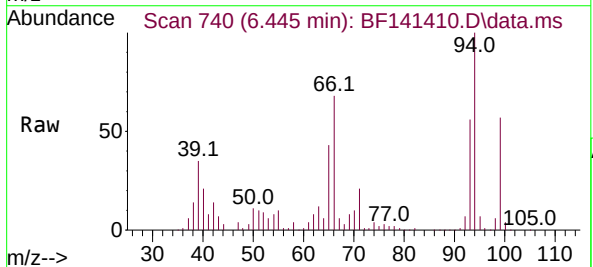
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BNA_F
ClientSampleId :
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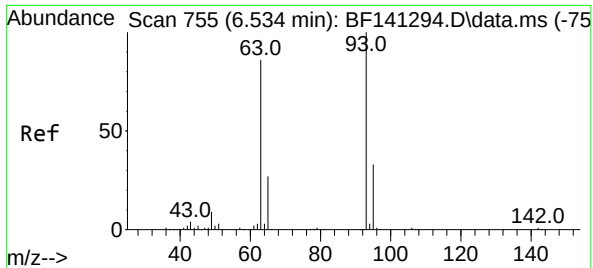
Tgt Ion: 77 Resp: 182303
Ion Ratio Lower Upper
77 100
105 99.8 79.4 119.4
106 95.4 74.6 114.6



#10
Phenol
Concen: 37.247 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 94 Resp: 294371
Ion Ratio Lower Upper
94 100
65 43.5 10.8 50.8
66 68.5 23.3 63.3#

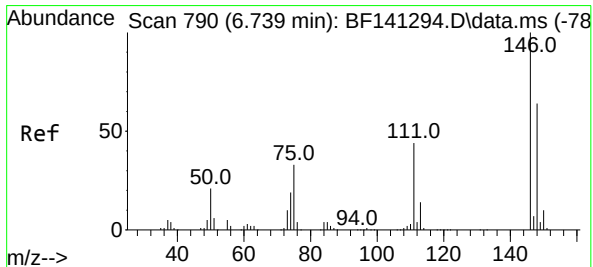
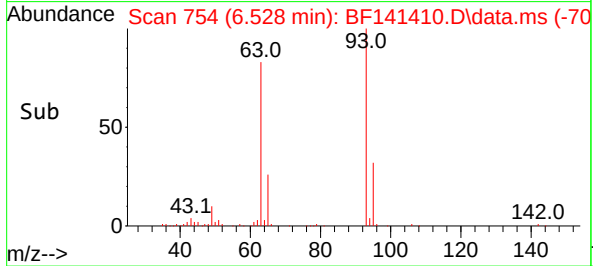
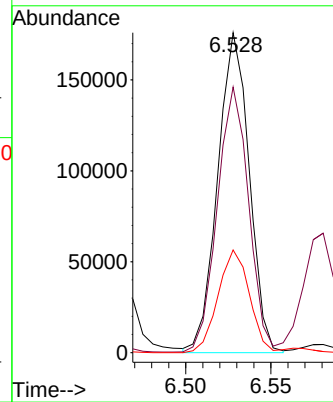
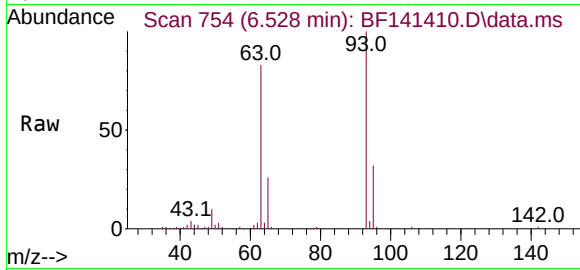




#11
bis(2-Chloroethyl)ether
Concen: 37.395 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

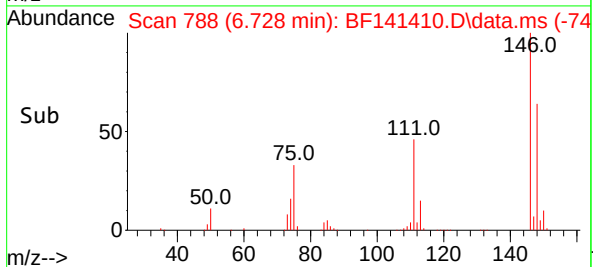
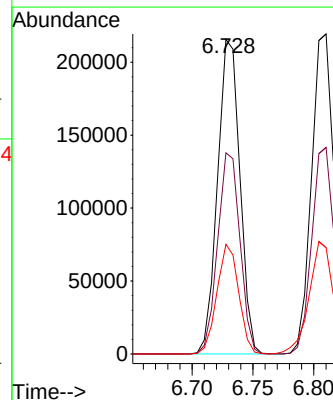
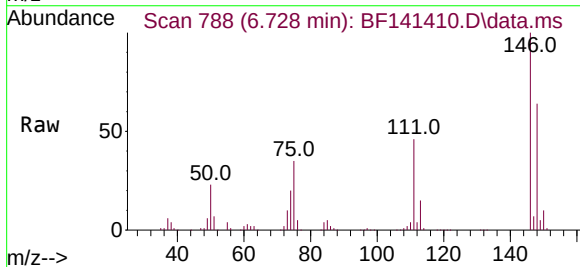
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

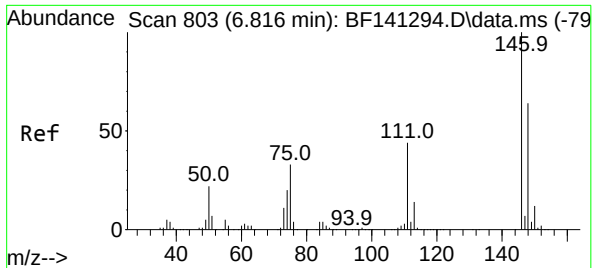
Tgt Ion: 93 Resp: 226600
Ion Ratio Lower Upper
93 100
63 83.0 65.0 105.0
95 32.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 146 Resp: 275749
Ion Ratio Lower Upper
146 100
148 63.9 51.2 76.8
75 34.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.169 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

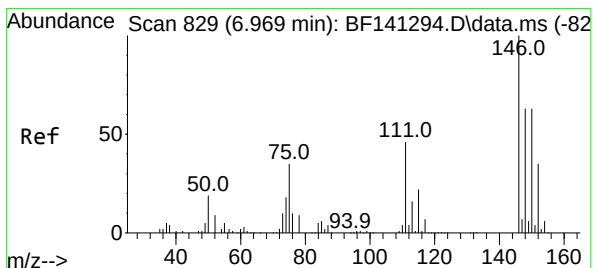
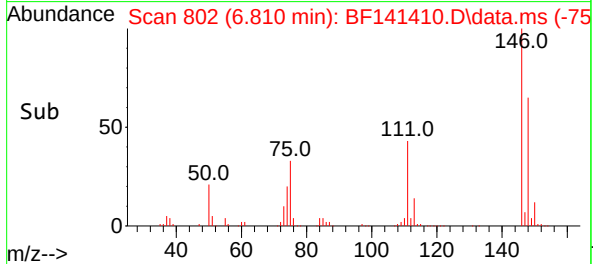
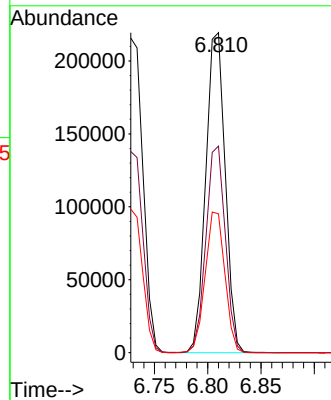
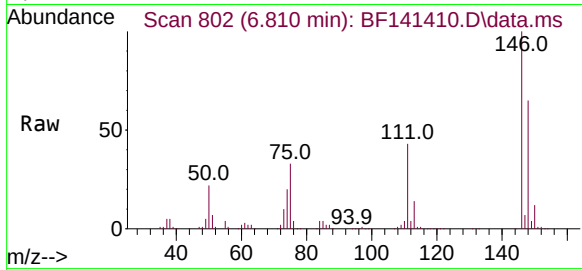
Tgt Ion:146 Resp: 279491

Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

111 43.4 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 39.932 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

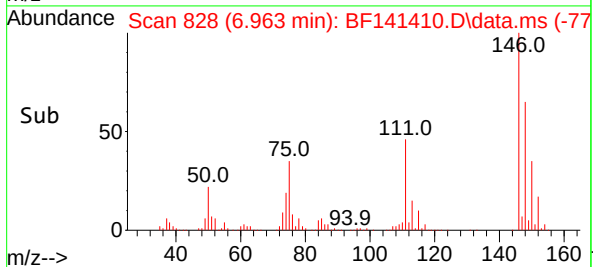
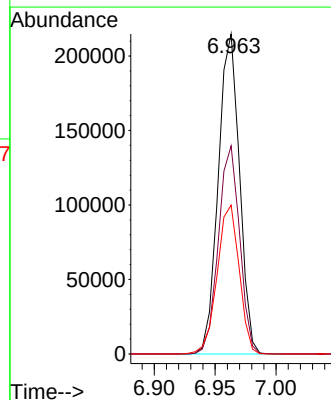
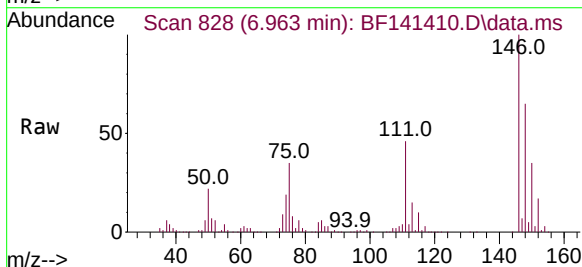
Tgt Ion:146 Resp: 260169

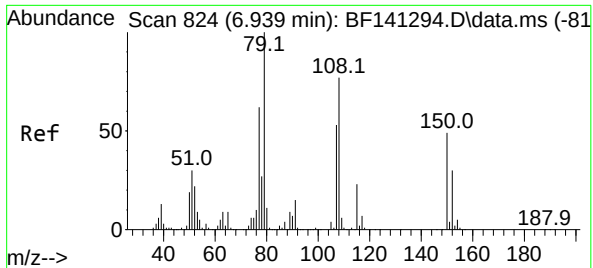
Ion Ratio Lower Upper

146 100

148 65.0 50.5 75.7

111 46.5 36.6 55.0

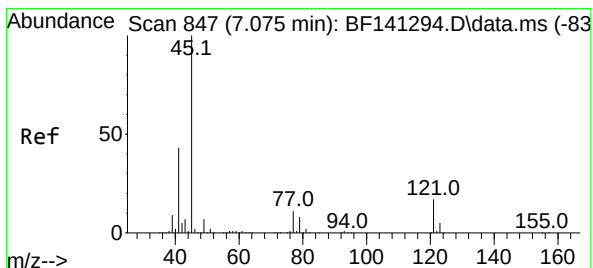
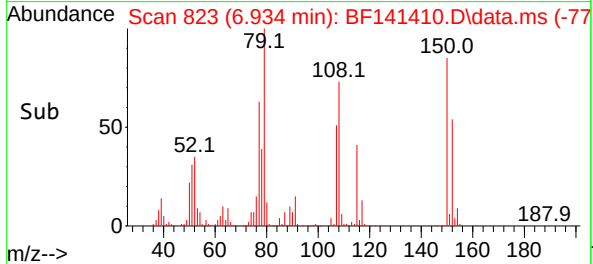
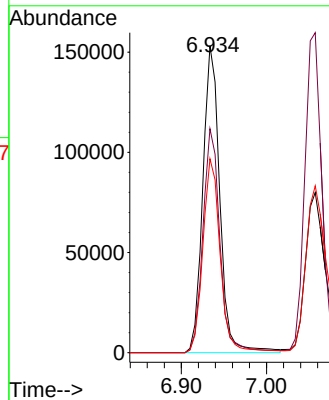
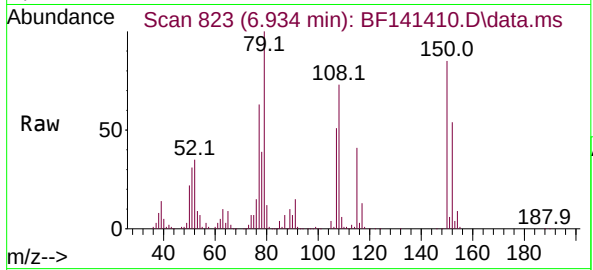




#15
Benzyl Alcohol
Concen: 41.681 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

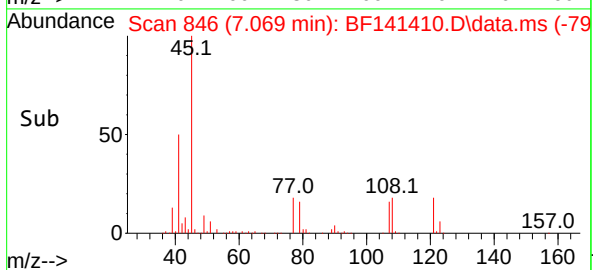
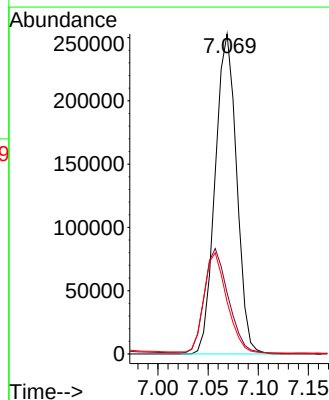
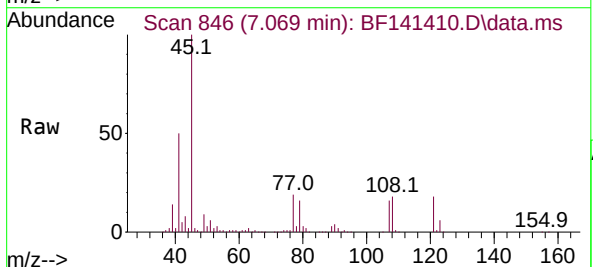
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

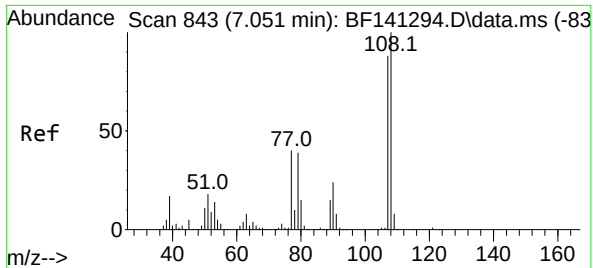
Tgt Ion: 79 Resp: 212366
Ion Ratio Lower Upper
79 100
108 73.0 61.4 92.0
77 63.2 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.664 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 45 Resp: 375805
Ion Ratio Lower Upper
45 100
77 19.1 0.0 31.8
79 16.3 0.0 29.1

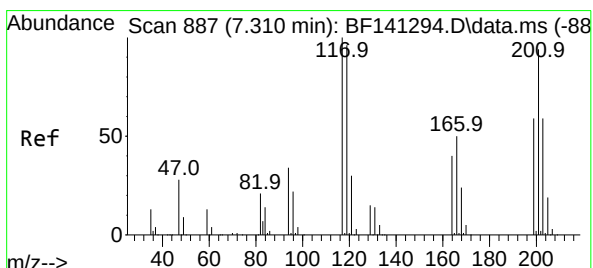
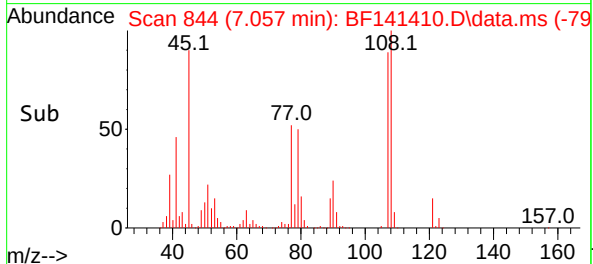
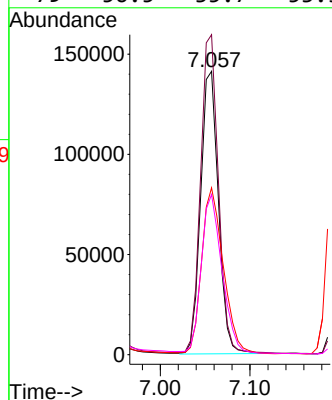
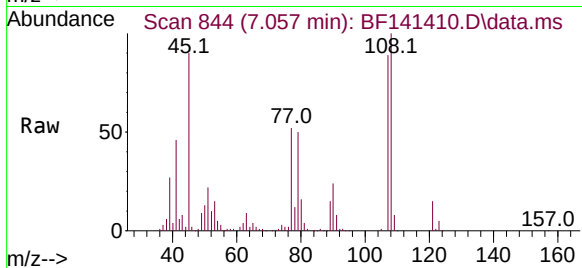




#17
2-Methylphenol
Concen: 38.055 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

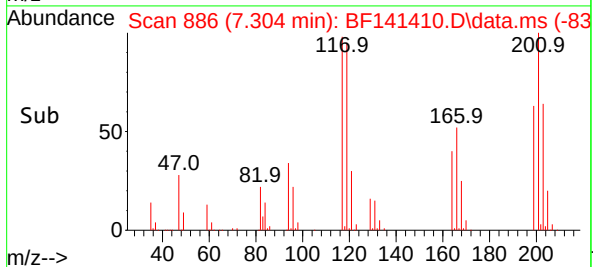
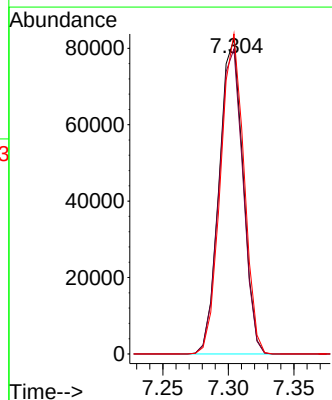
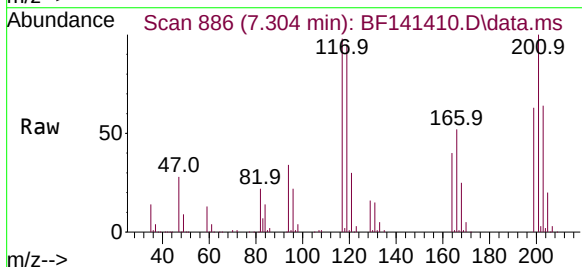
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

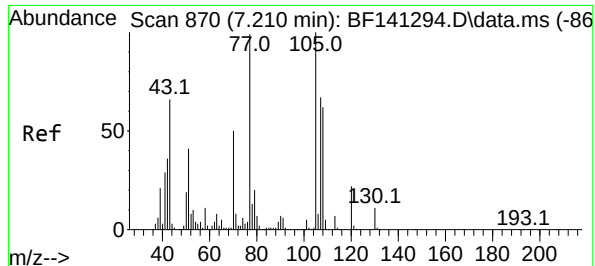
Tgt Ion:107 Resp: 194281
Ion Ratio Lower Upper
107 100
108 112.9 90.8 136.2
77 58.9 36.2 54.4#
79 56.5 35.7 53.5#



#18
Hexachloroethane
Concen: 40.467 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:117 Resp: 103872
Ion Ratio Lower Upper
117 100
119 96.9 76.6 114.8
201 101.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.325 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 169782

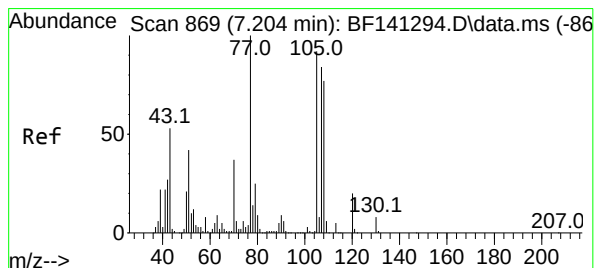
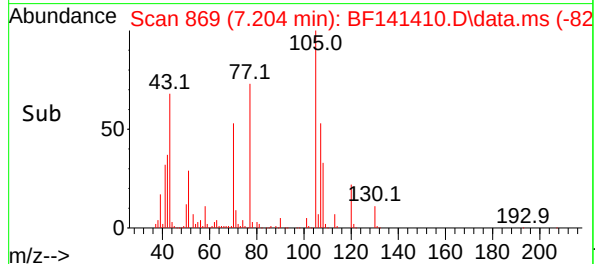
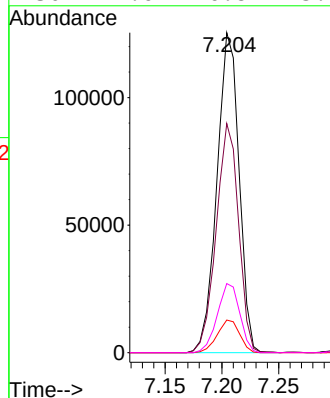
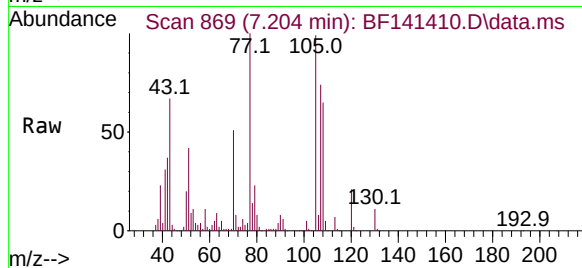
Ion Ratio Lower Upper

70 100

42 71.6 56.8 85.2

101 10.2 7.7 11.5

130 21.6 16.8 25.2



#20

3+4-Methylphenols

Concen: 40.064 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion: 107 Resp: 251134

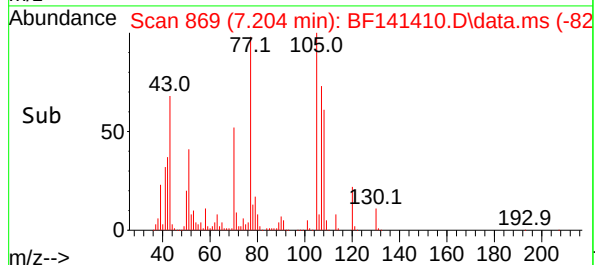
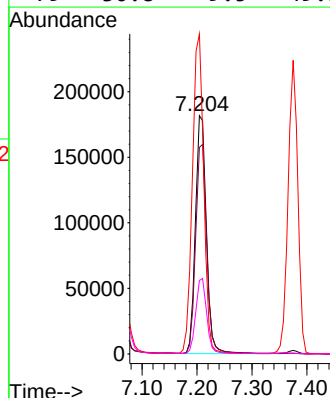
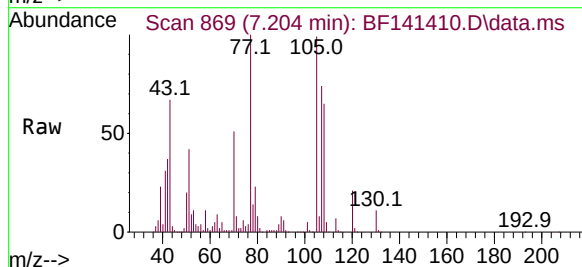
Ion Ratio Lower Upper

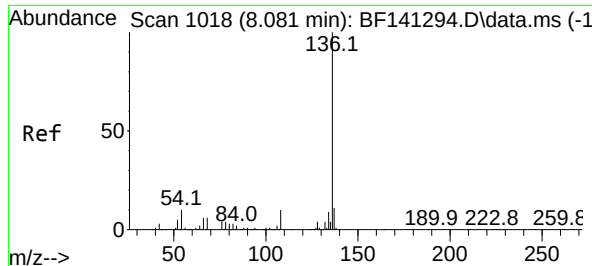
107 100

108 86.7 70.9 110.9

77 134.3 98.5 138.5

79 30.8 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 349697

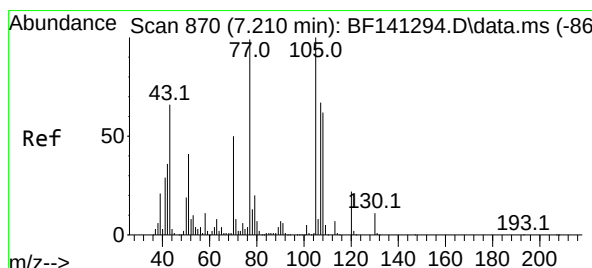
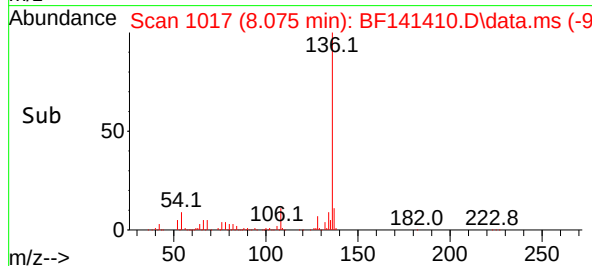
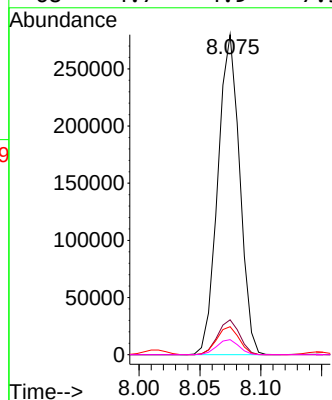
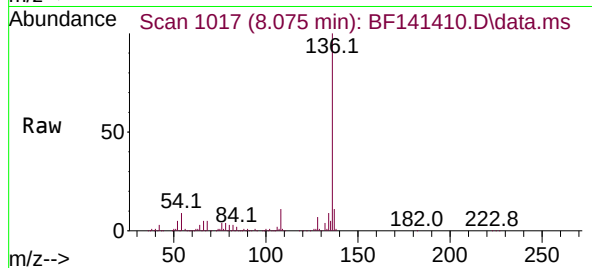
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 41.572 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:105 Resp: 345559

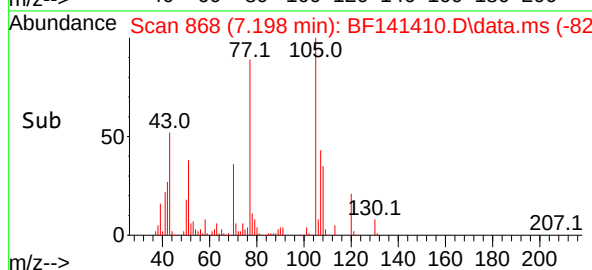
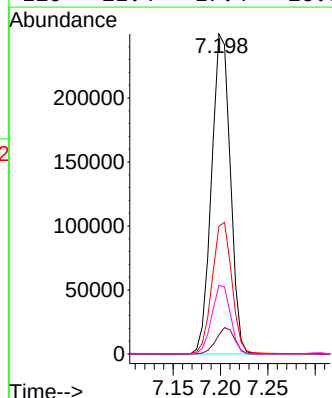
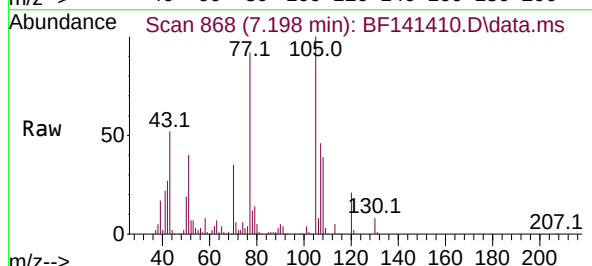
Ion Ratio Lower Upper

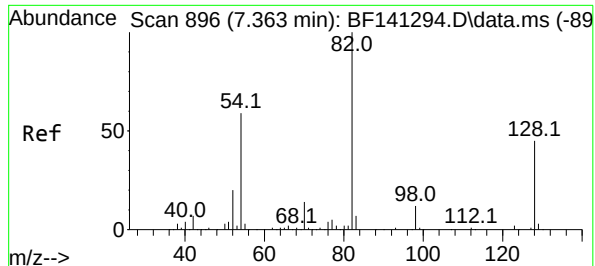
105 100

71 5.9 6.8 10.2#

51 39.9 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 81.851 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

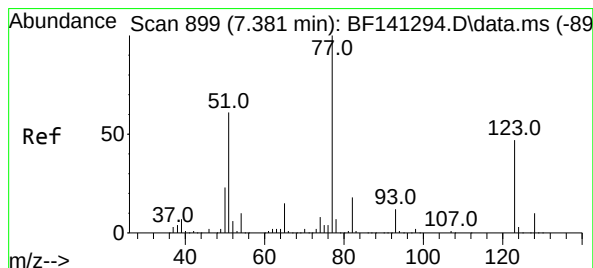
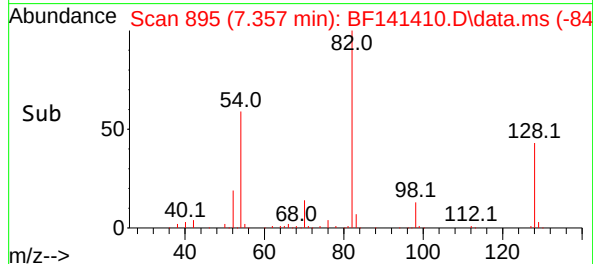
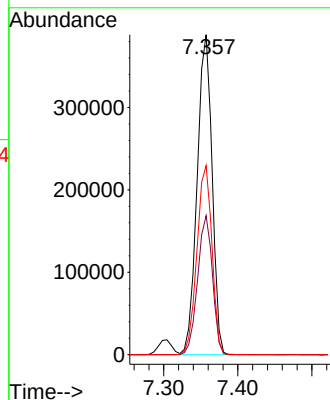
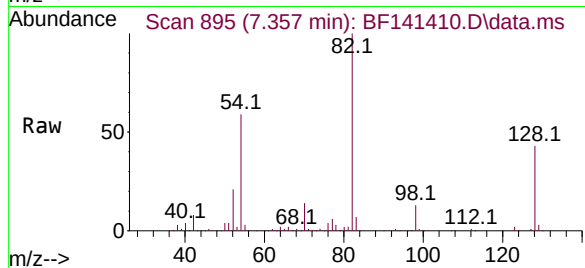
Tgt Ion: 82 Resp: 542962

Ion Ratio Lower Upper

82 100

128 43.4 35.7 53.5

54 59.1 47.1 70.7



#24

Nitrobenzene

Concen: 40.006 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

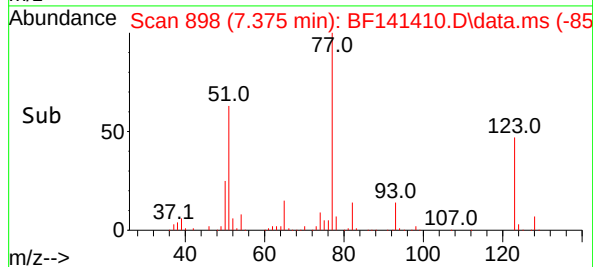
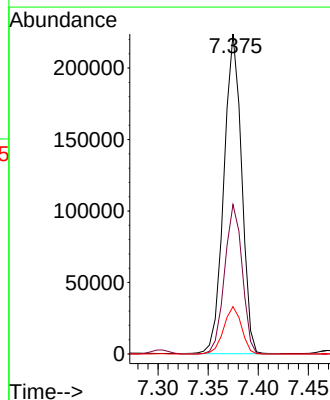
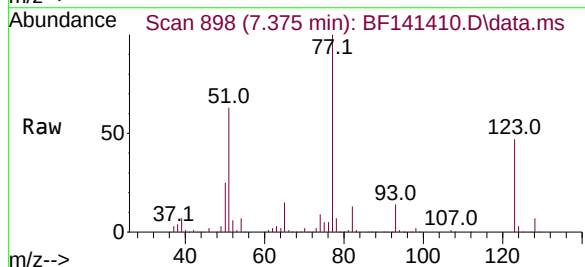
Tgt Ion: 77 Resp: 275017

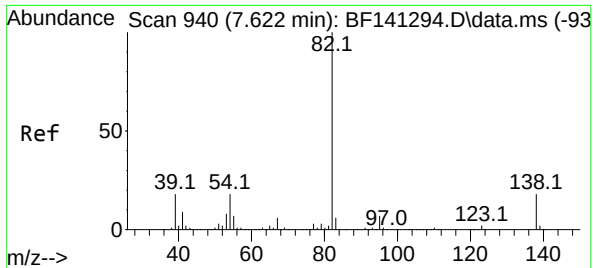
Ion Ratio Lower Upper

77 100

123 46.7 37.3 55.9

65 14.8 11.8 17.6

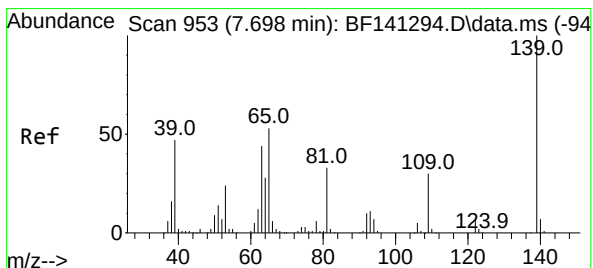
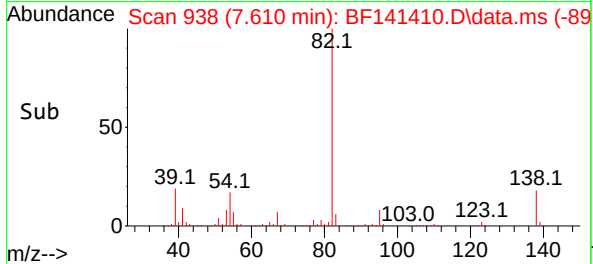
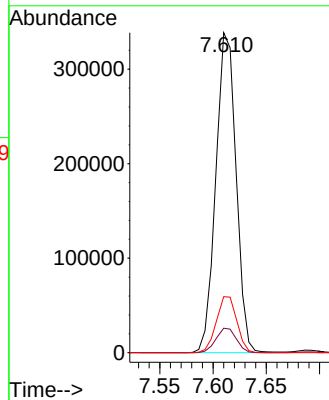
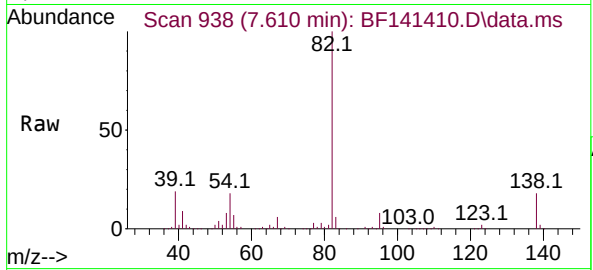




#25
Isophorone
Concen: 39.031 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

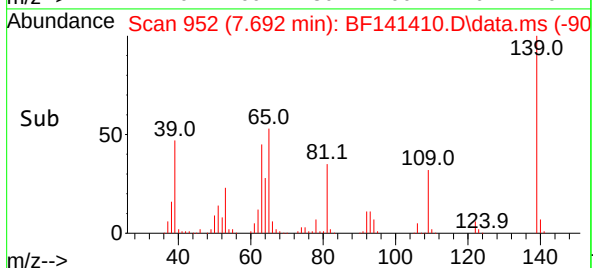
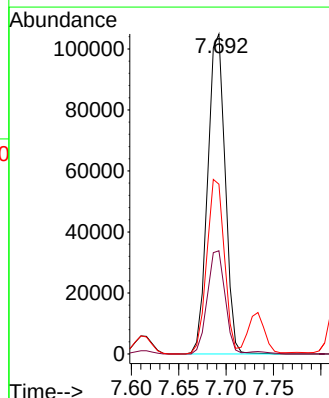
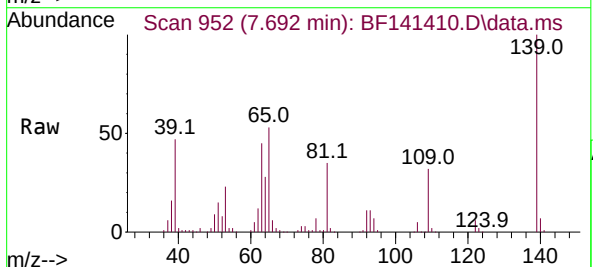
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

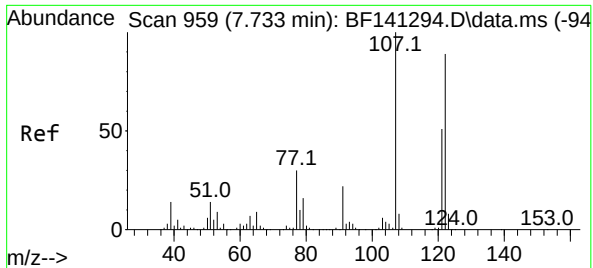
Tgt Ion:	82	Resp:	447558
Ion Ratio	Lower	Upper	
82	100		
95	7.7	5.8	8.6
138	17.5	14.7	22.1



#26
2-Nitrophenol
Concen: 41.393 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:	139	Resp:	134199
Ion Ratio	Lower	Upper	
139	100		
109	32.3	23.8	35.6
65	53.0	42.2	63.4





#27

2,4-Dimethylphenol

Concen: 38.672 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

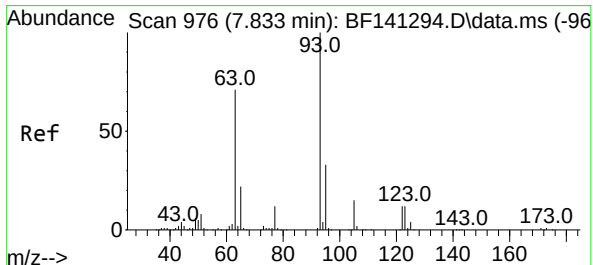
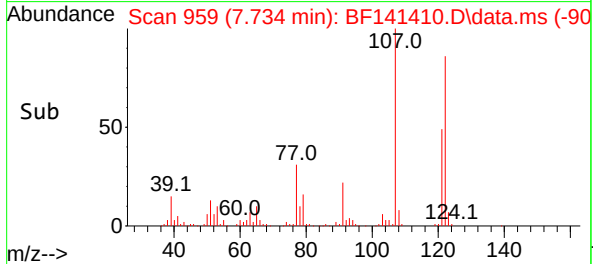
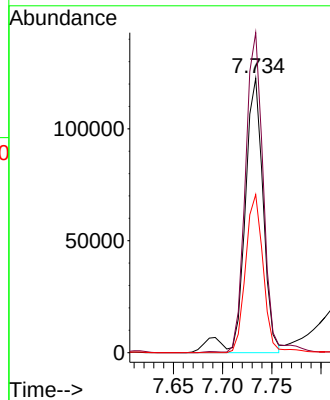
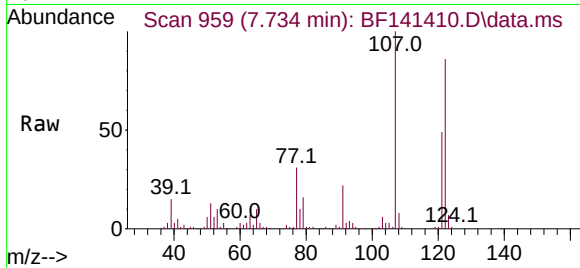
Tgt Ion:122 Resp: 159583

Ion Ratio Lower Upper

122 100

107 116.6 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.030 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

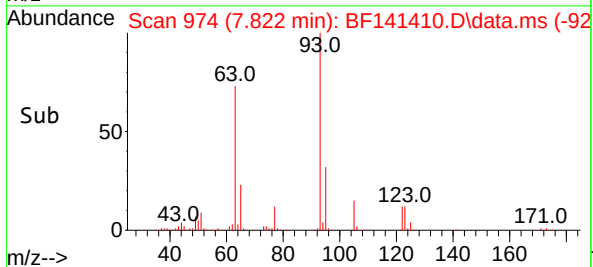
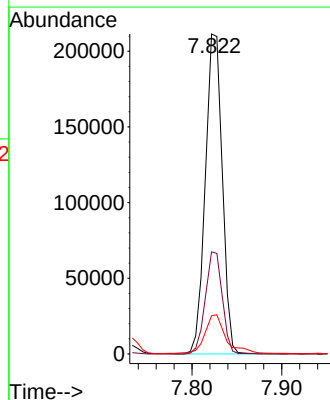
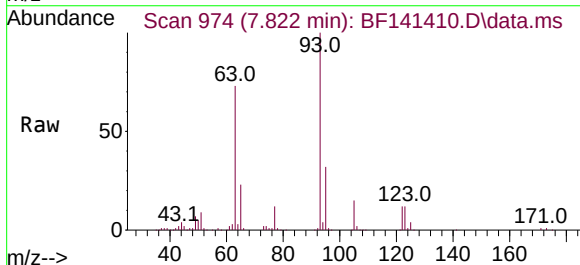
Tgt Ion: 93 Resp: 278158

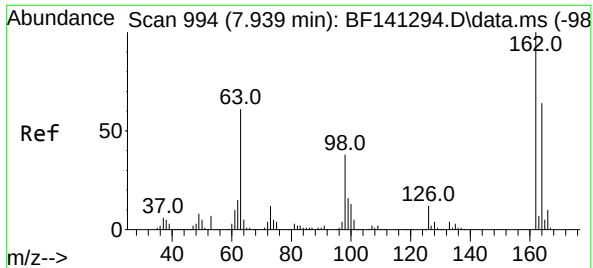
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 40.477 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

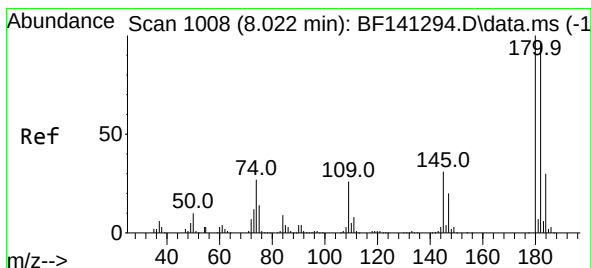
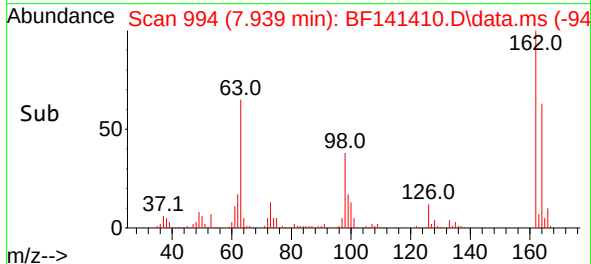
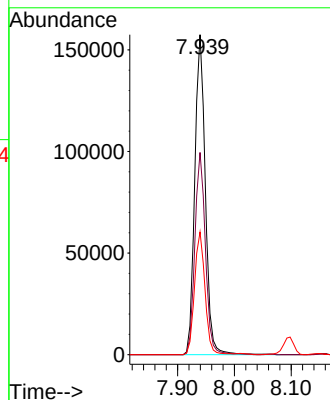
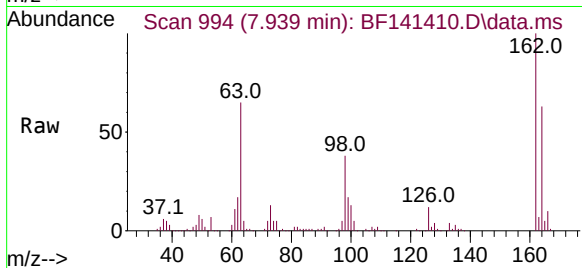
Tgt Ion:162 Resp: 204485

Ion Ratio Lower Upper

162 100

164 63.2 44.2 84.2

98 38.3 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.839 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

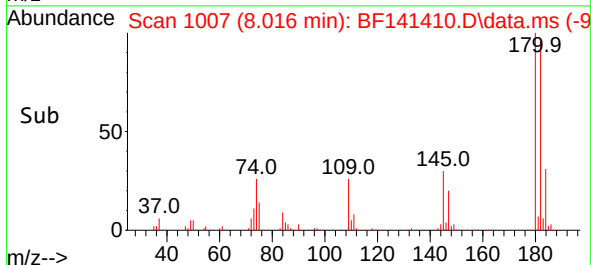
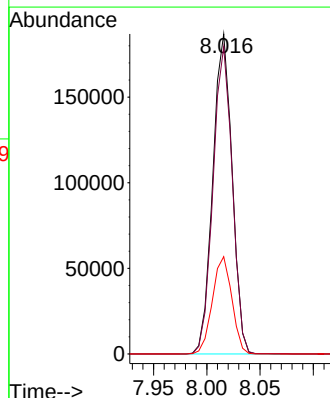
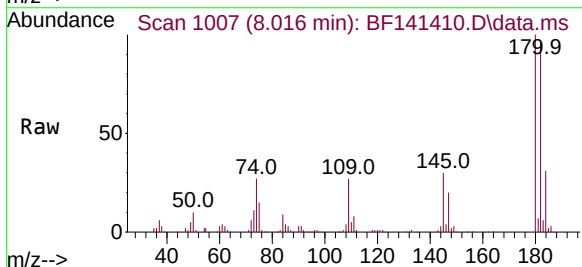
Tgt Ion:180 Resp: 235617

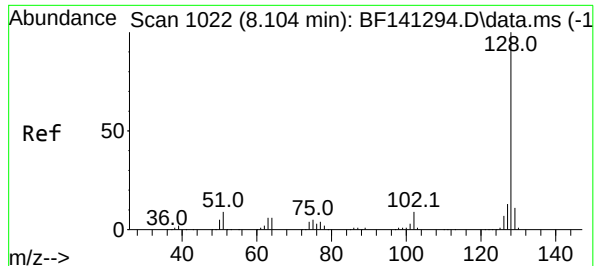
Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 30.4 24.9 37.3





#31

Naphthalene

Concen: 39.696 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

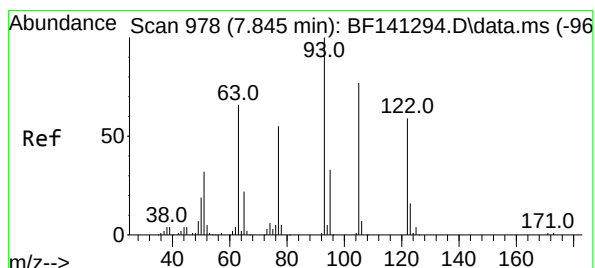
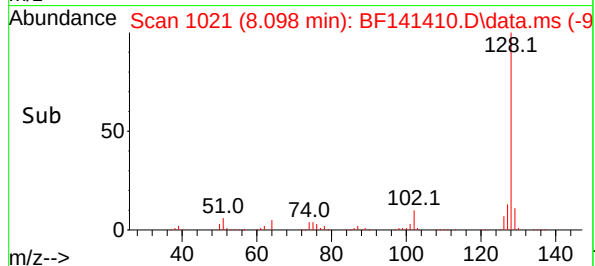
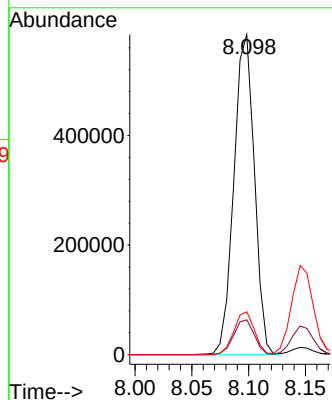
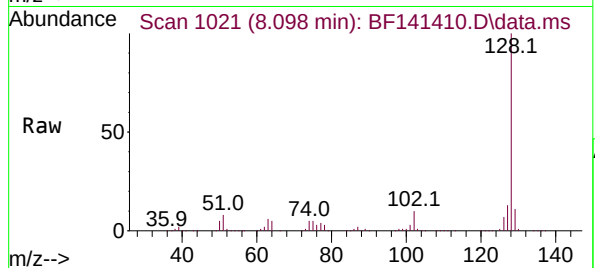
Tgt Ion:128 Resp: 733327

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.4 10.6 15.8



#32

Benzoic acid

Concen: 42.423 ng

RT: 7.851 min Scan# 979

Delta R.T. -0.030 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

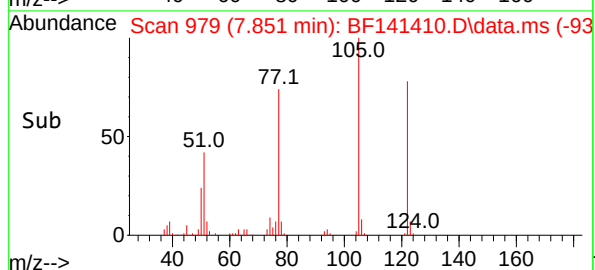
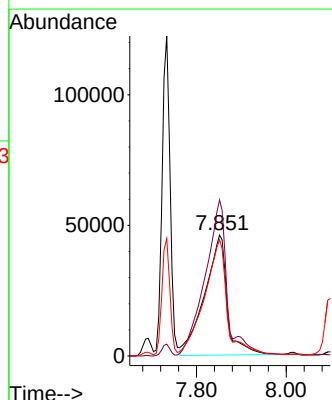
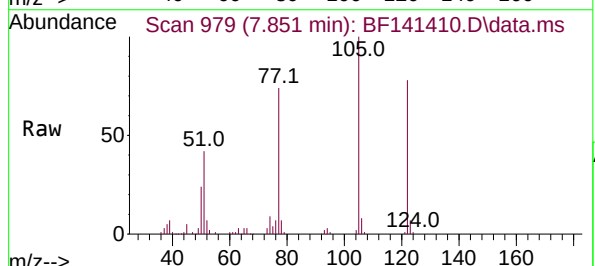
Tgt Ion:122 Resp: 160931

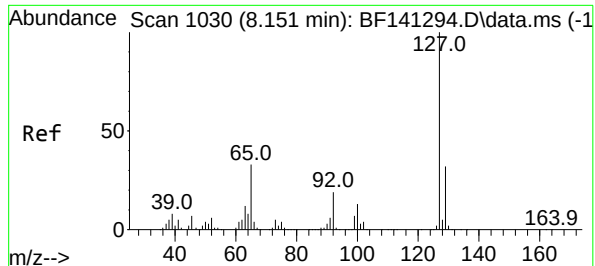
Ion Ratio Lower Upper

122 100

105 129.0 103.4 143.4

77 96.1 70.9 110.9





#33

4-Chloroaniline

Concen: 35.561 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 222768

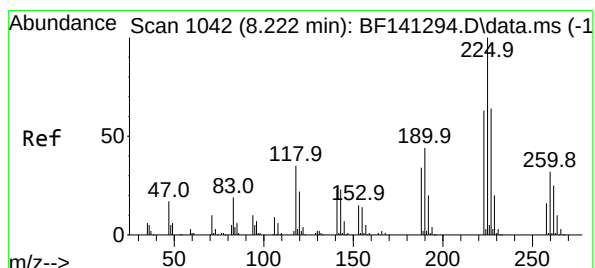
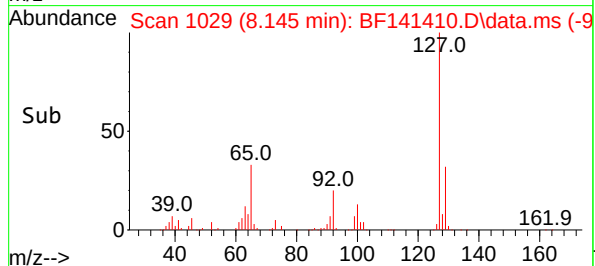
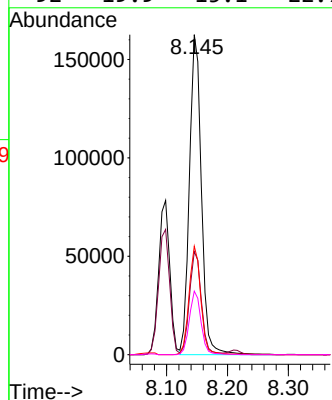
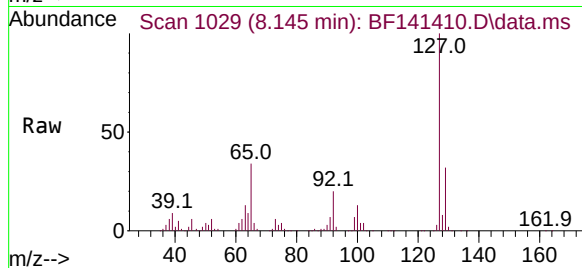
Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 33.9 26.4 39.6

92 19.9 15.1 22.7



#34

Hexachlorobutadiene

Concen: 43.093 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

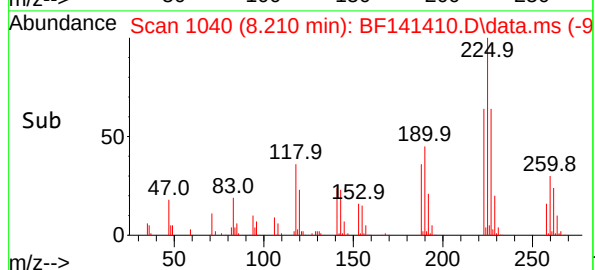
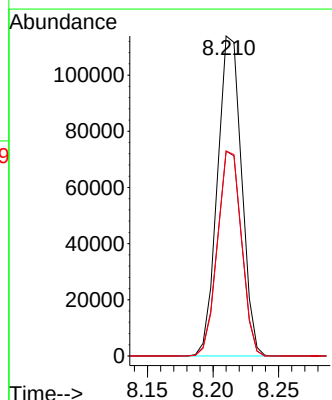
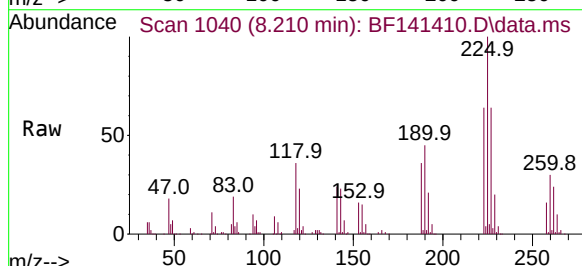
Tgt Ion:225 Resp: 145800

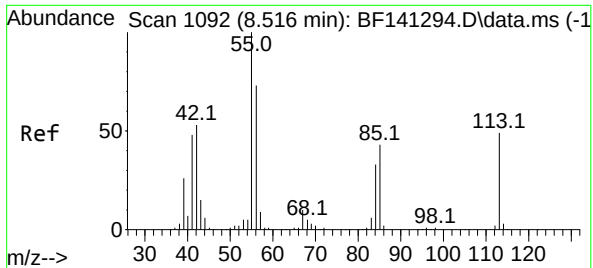
Ion Ratio Lower Upper

225 100

223 64.0 50.4 75.6

227 64.0 51.3 76.9

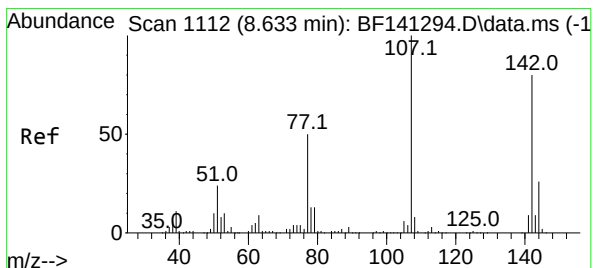
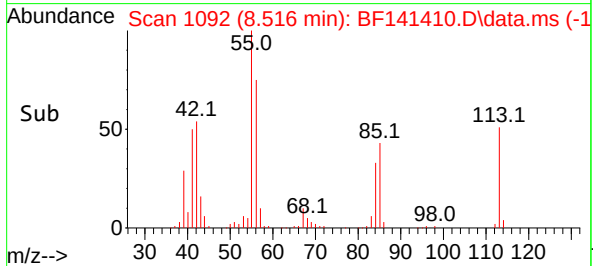
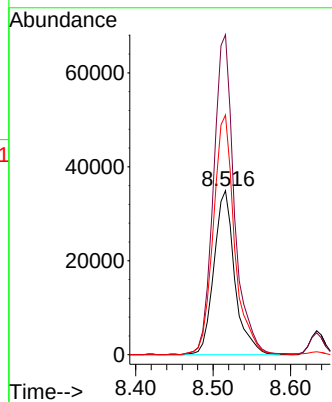
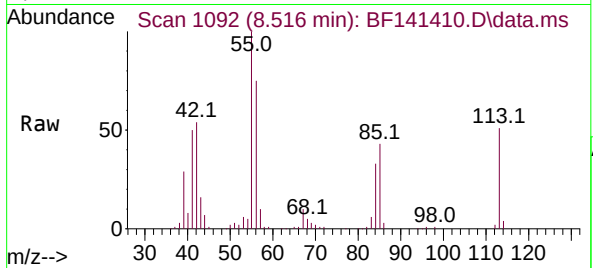




#35
 Caprolactam
 Concen: 39.448 ng
 RT: 8.516 min Scan# 1092
 Delta R.T. -0.030 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

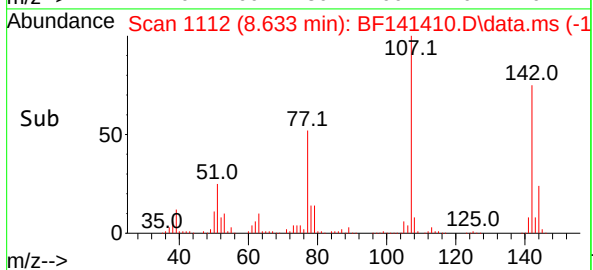
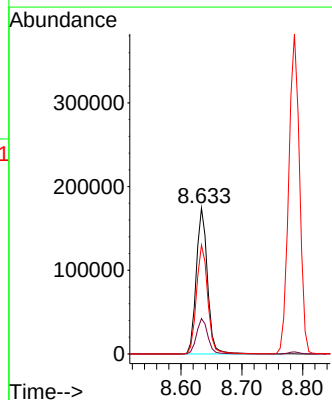
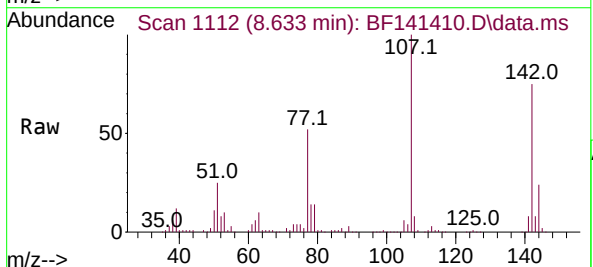
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

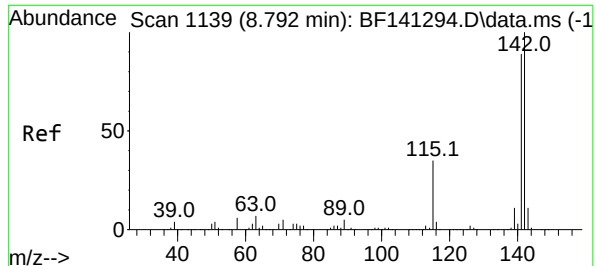
Tgt Ion:113 Resp: 65085
 Ion Ratio Lower Upper
 113 100
 55 195.0 182.9 222.9
 56 146.1 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 41.200 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 223256
 Ion Ratio Lower Upper
 107 100
 144 24.2 20.7 31.1
 142 74.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 40.115 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

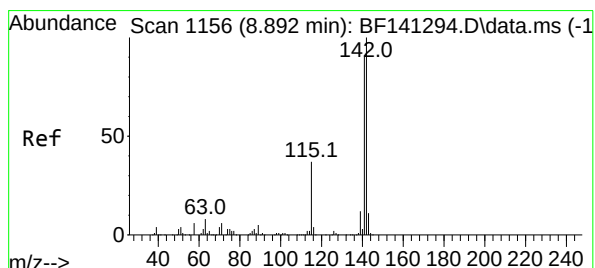
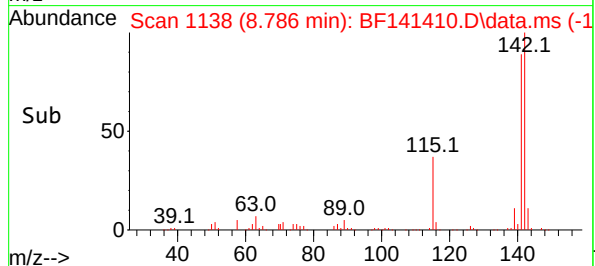
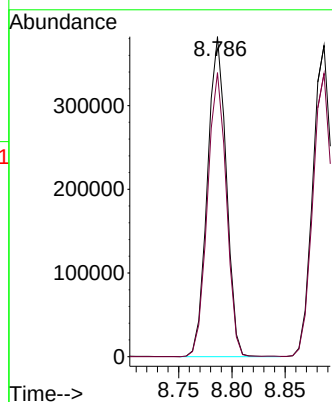
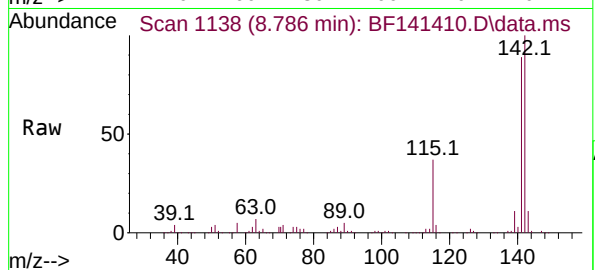
SSTDCCC040

Tgt Ion:142 Resp: 471006

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9



#38

1-Methylnaphthalene

Concen: 39.867 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141410.D

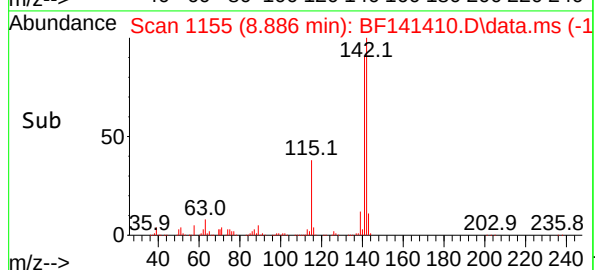
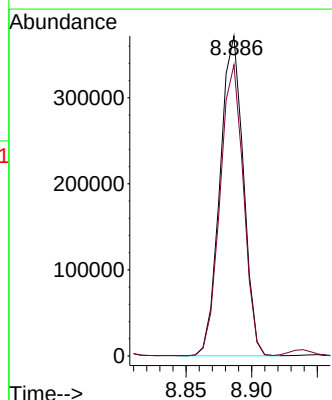
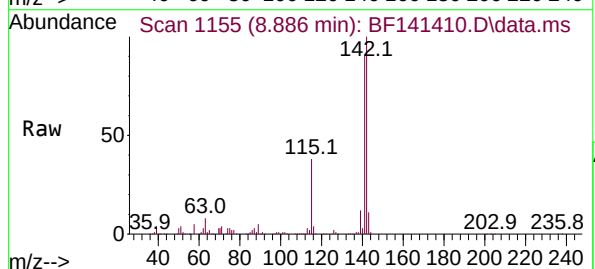
Acq: 04 Feb 2025 15:58

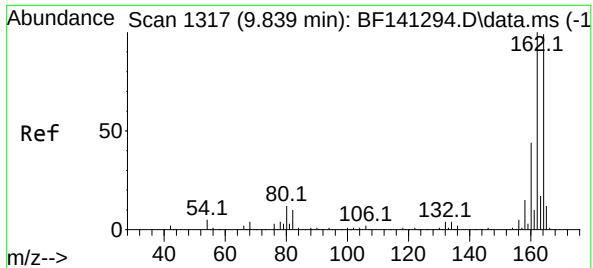
Tgt Ion:142 Resp: 459817

Ion Ratio Lower Upper

142 100

141 91.0 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141410.D

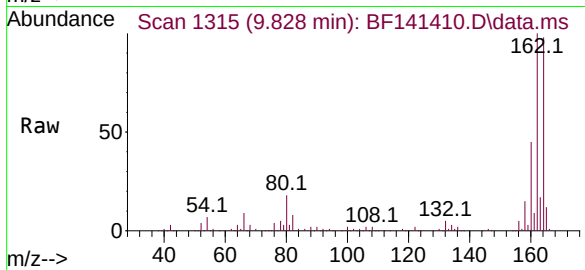
Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



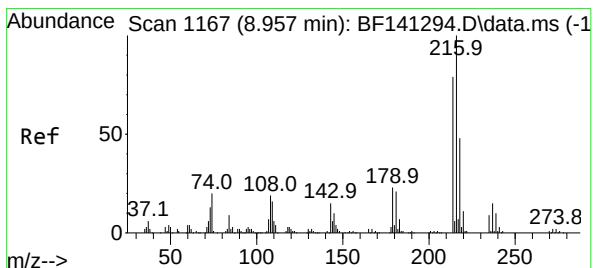
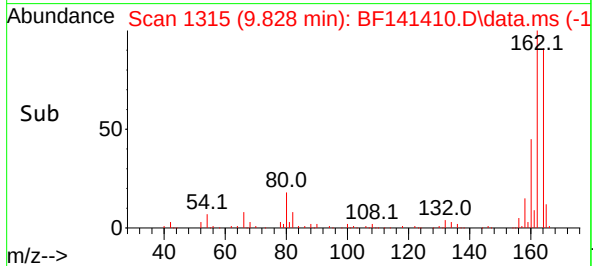
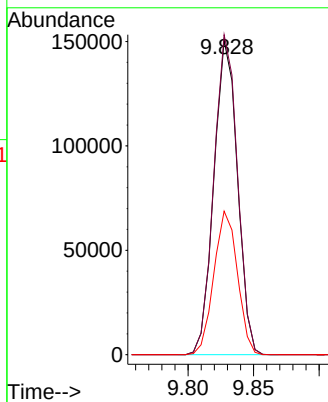
Tgt Ion:164 Resp: 187729

Ion Ratio Lower Upper

164 100

162 101.9 80.6 121.0

160 45.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.284 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:216 Resp: 220482

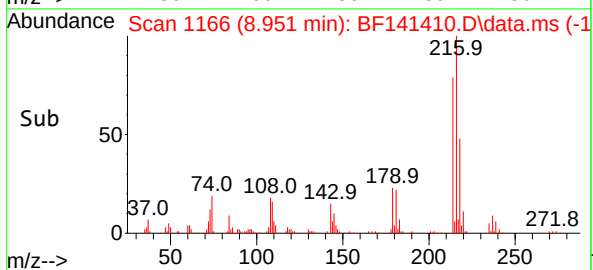
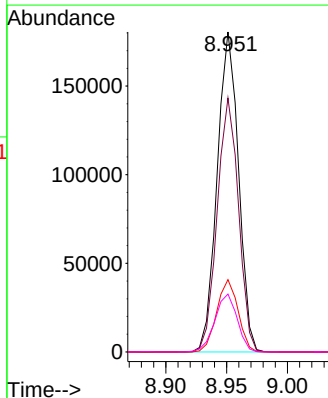
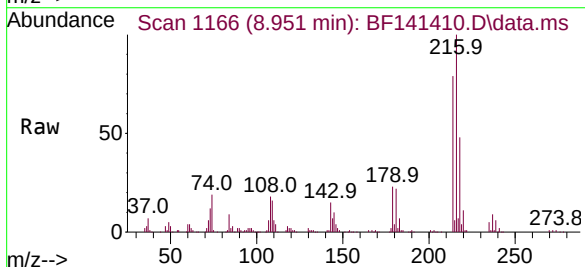
Ion Ratio Lower Upper

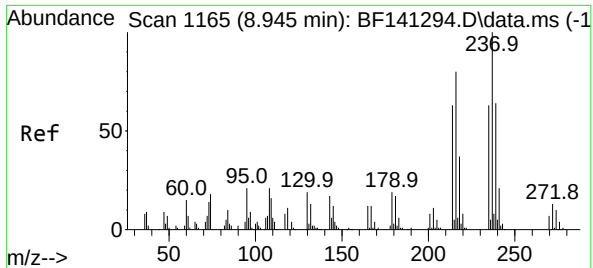
216 100

214 79.0 63.2 94.8

179 22.6 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 44.139 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

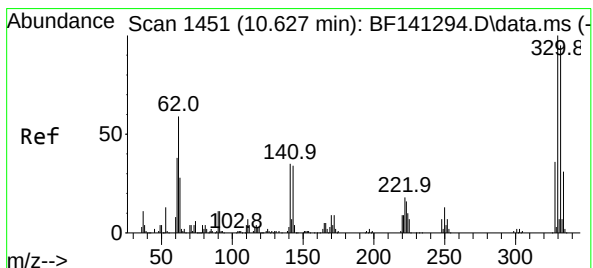
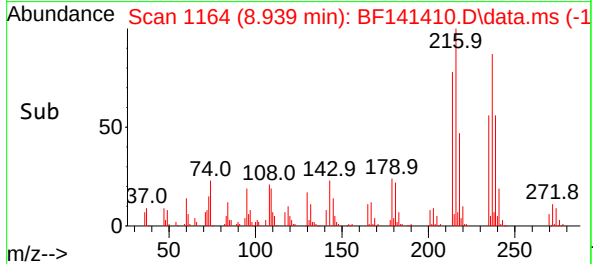
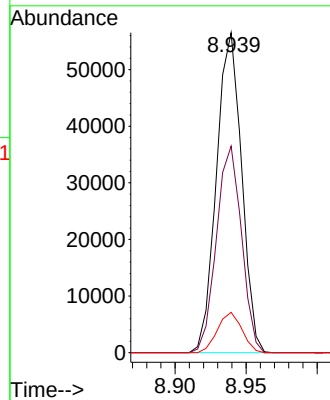
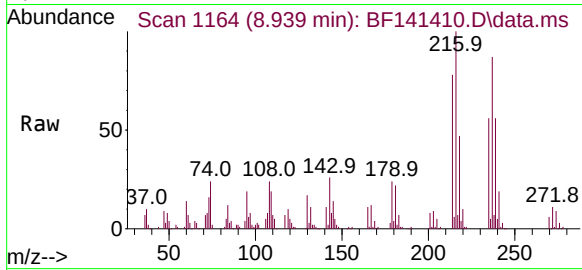
Tgt Ion:237 Resp: 69619

Ion Ratio Lower Upper

237 100

235 64.5 42.9 82.9

272 12.6 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 89.734 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

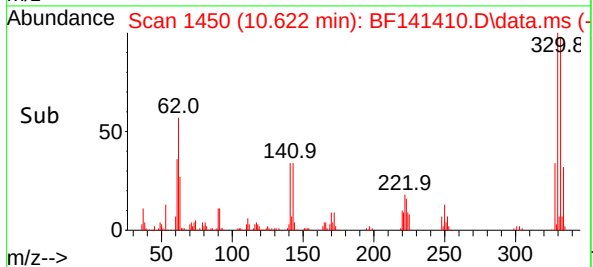
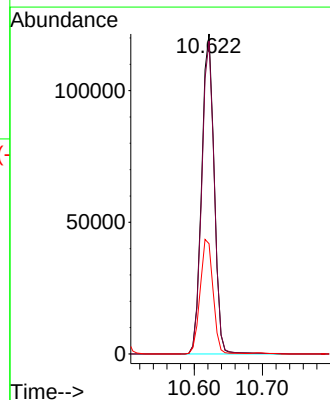
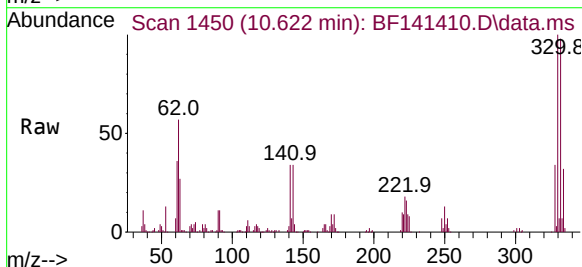
Tgt Ion:330 Resp: 154436

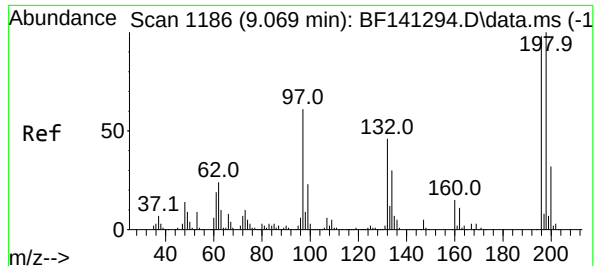
Ion Ratio Lower Upper

330 100

332 97.8 76.1 114.1

141 37.1 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.335 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

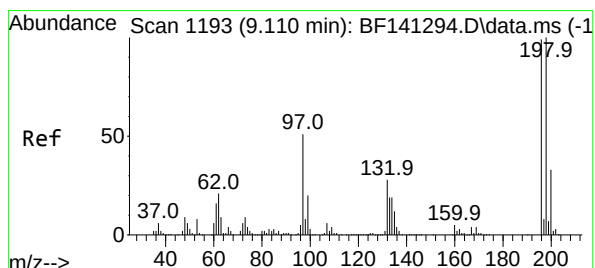
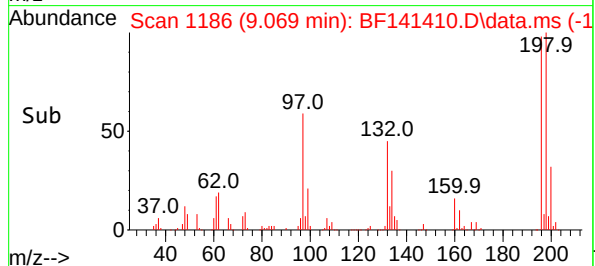
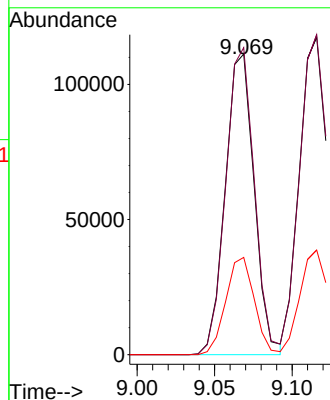
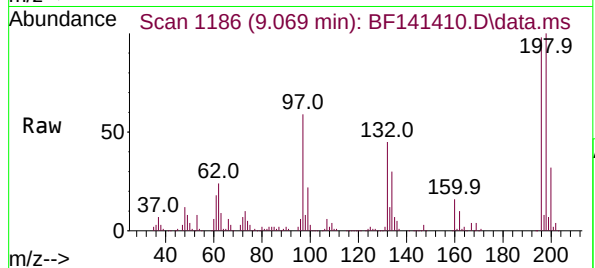
Tgt Ion:196 Resp: 144492

Ion Ratio Lower Upper

196 100

198 102.1 81.8 122.6

200 32.3 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 41.404 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:196 Resp: 157526

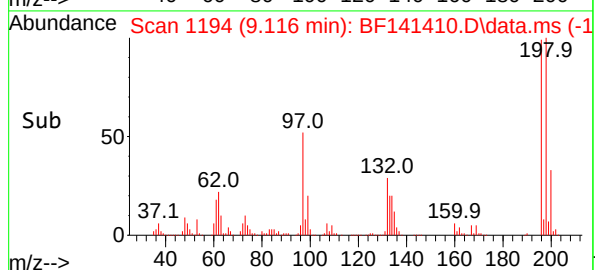
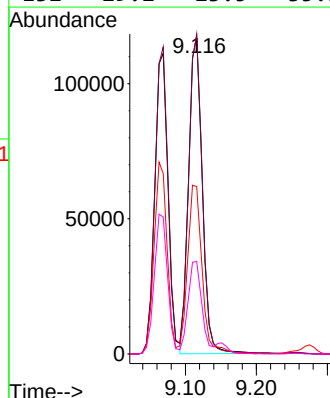
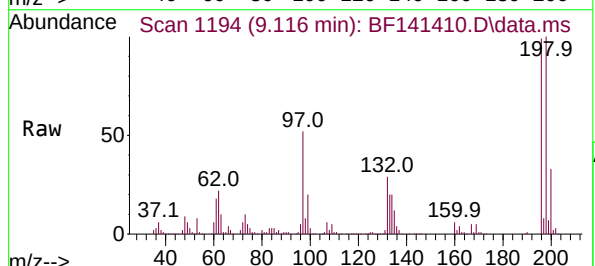
Ion Ratio Lower Upper

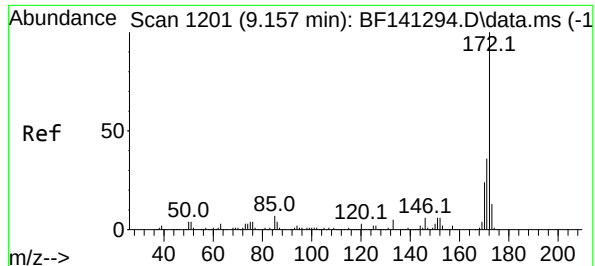
196 100

198 100.7 80.5 120.7

97 52.7 42.8 64.2

132 29.2 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 81.709 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

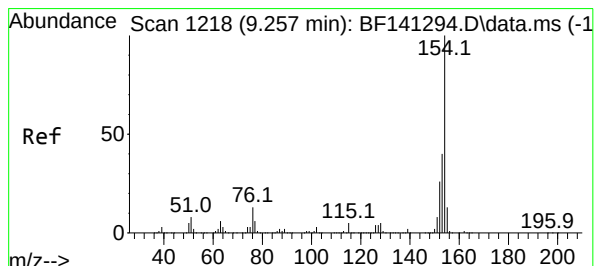
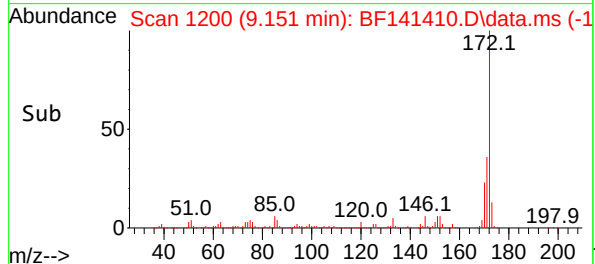
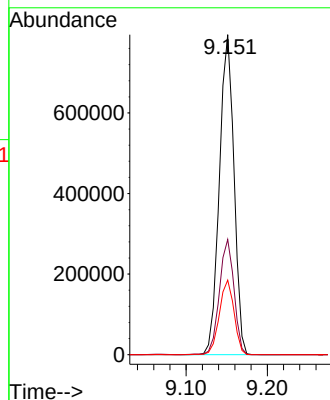
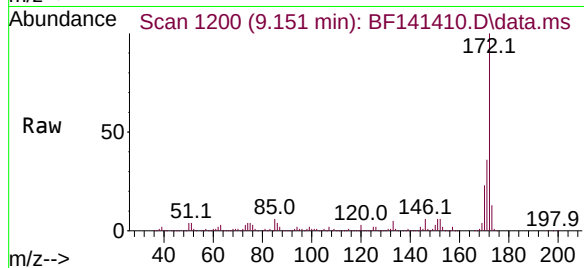
Tgt Ion:172 Resp: 996571

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 39.860 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

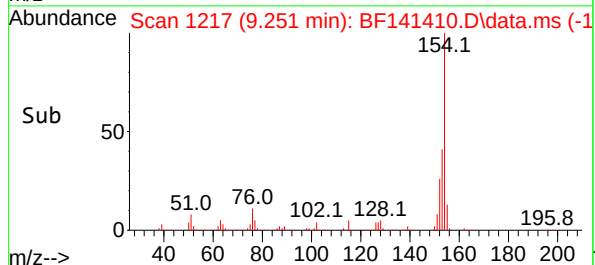
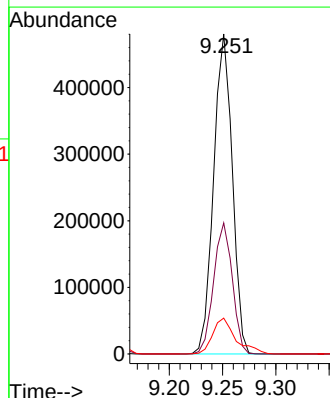
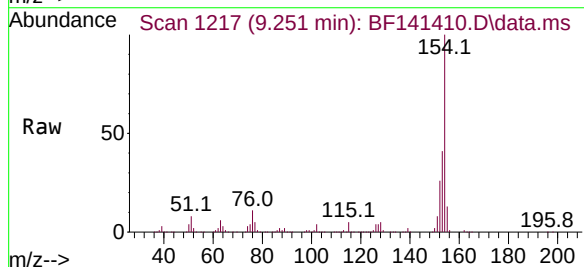
Tgt Ion:154 Resp: 583575

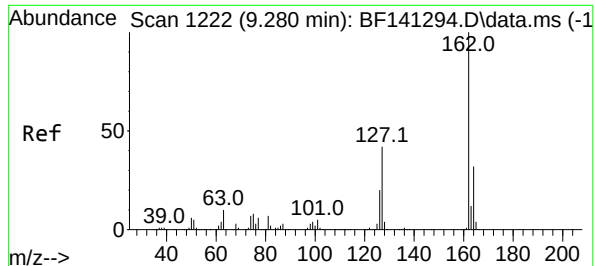
Ion Ratio Lower Upper

154 100

153 40.9 20.0 60.0

76 11.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.569 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

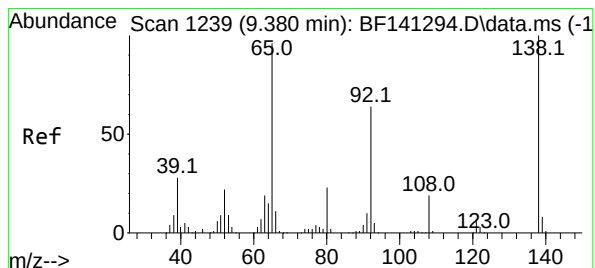
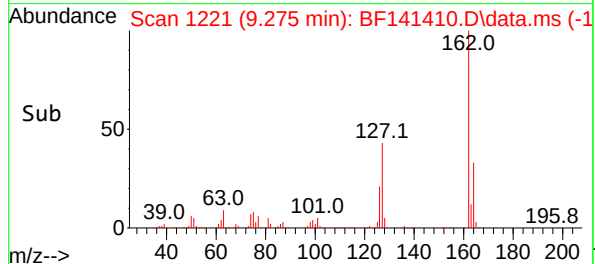
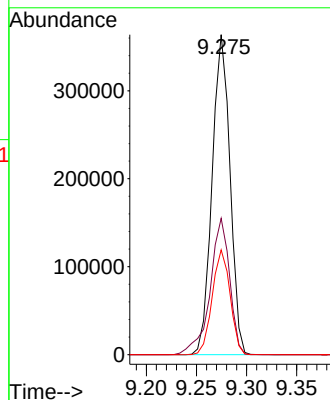
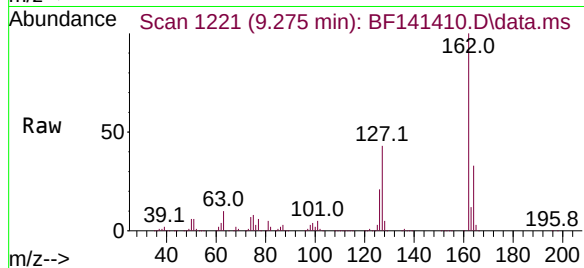
Tgt Ion:162 Resp: 451544

Ion Ratio Lower Upper

162 100

127 42.6 33.7 50.5

164 32.7 25.9 38.9



#48

2-Nitroaniline

Concen: 41.421 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

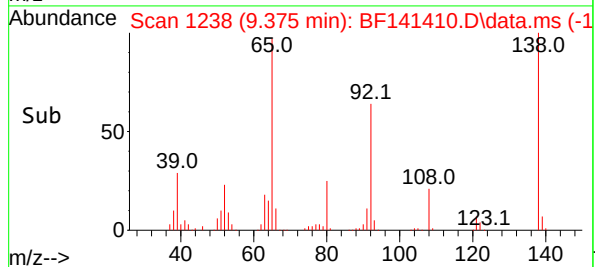
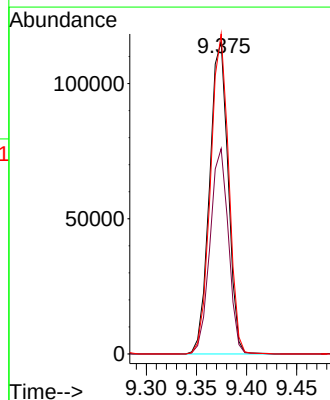
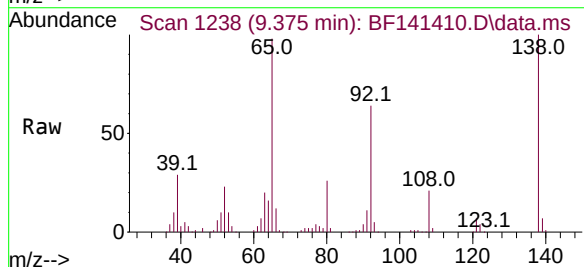
Tgt Ion: 65 Resp: 148678

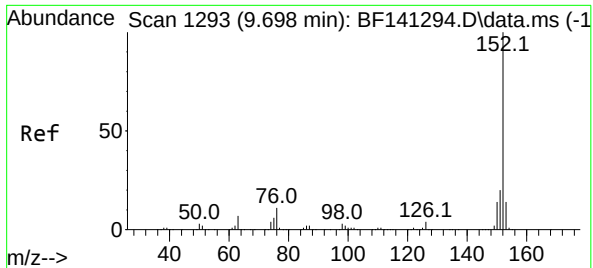
Ion Ratio Lower Upper

65 100

92 65.7 53.3 79.9

138 102.4 83.6 125.4





#49

Acenaphthylene

Concen: 40.428 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

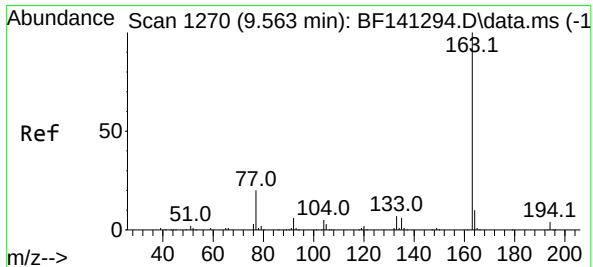
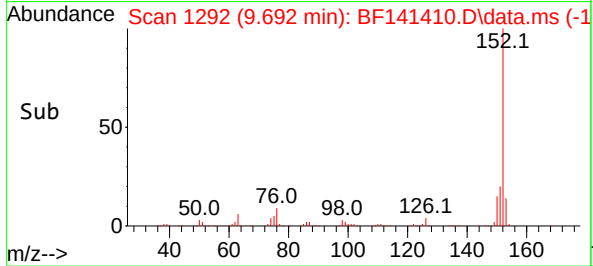
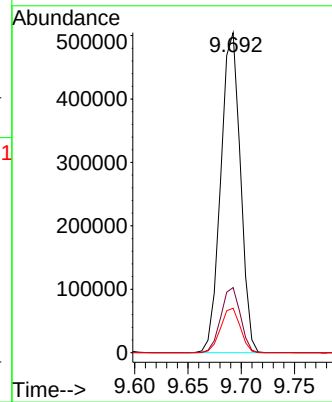
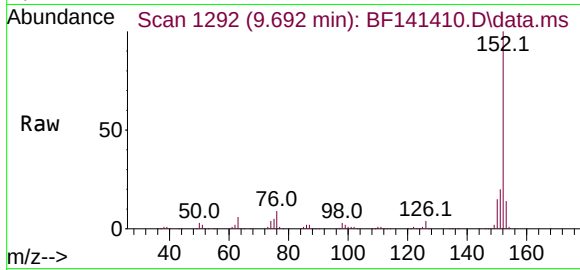
Tgt Ion:152 Resp: 645795

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 40.231 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

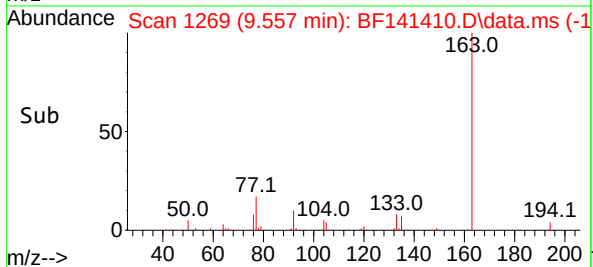
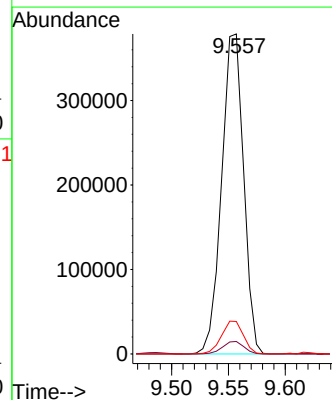
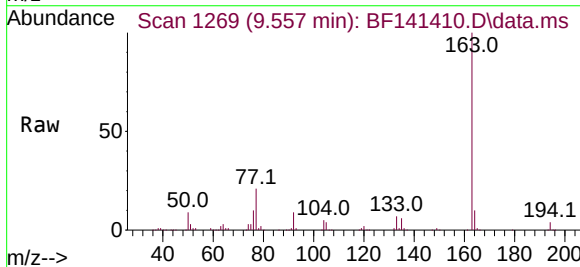
Tgt Ion:163 Resp: 510098

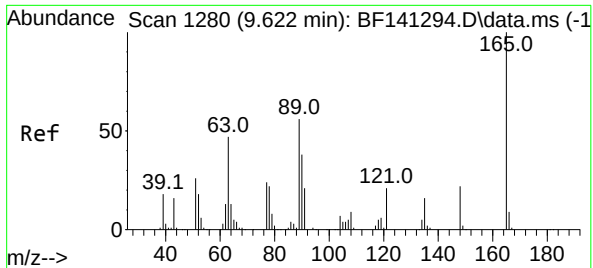
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 41.088 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

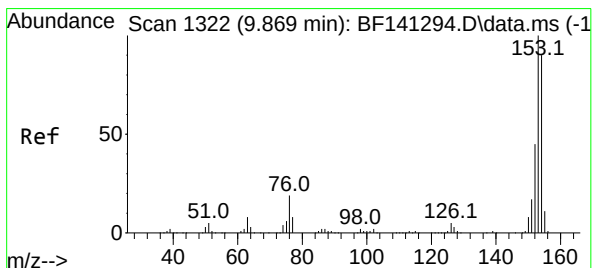
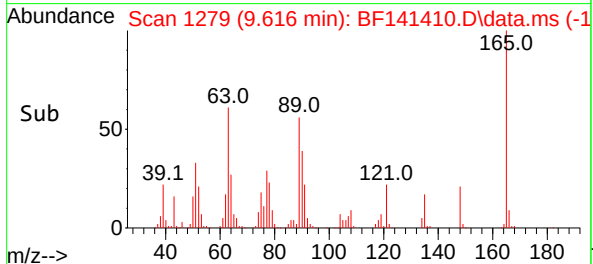
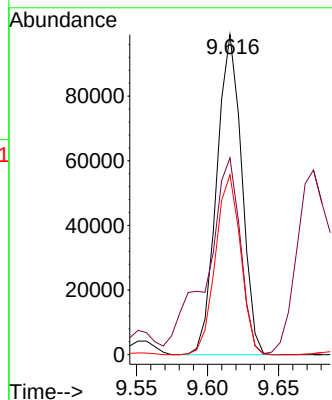
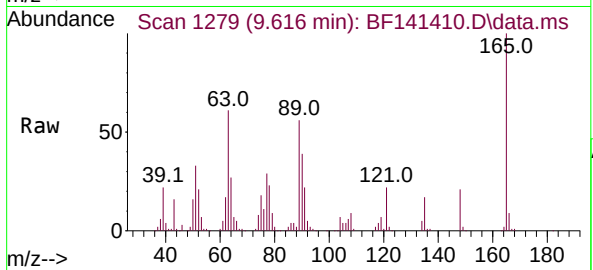
Tgt Ion:165 Resp: 120960

Ion Ratio Lower Upper

165 100

63 61.5 48.1 72.1

89 56.2 44.9 67.3



#52

Acenaphthene

Concen: 41.148 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

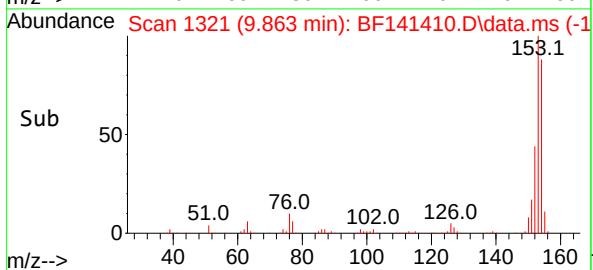
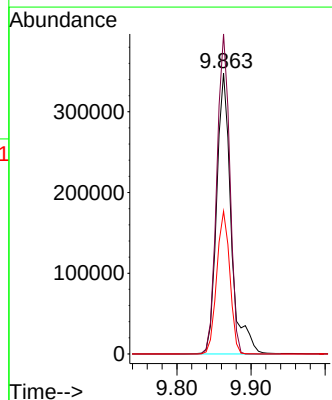
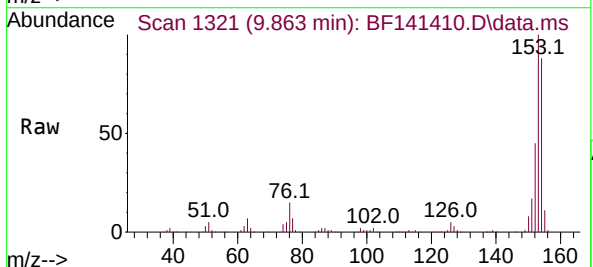
Tgt Ion:154 Resp: 469576

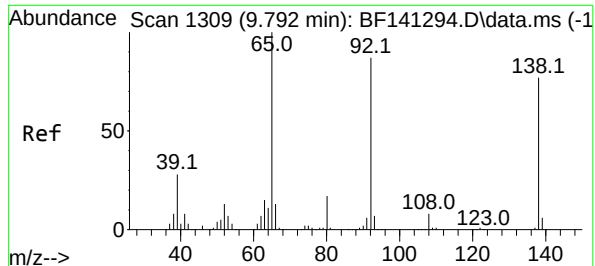
Ion Ratio Lower Upper

154 100

153 113.9 89.0 133.4

152 50.8 40.2 60.4





#53

3-Nitroaniline

Concen: 40.616 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

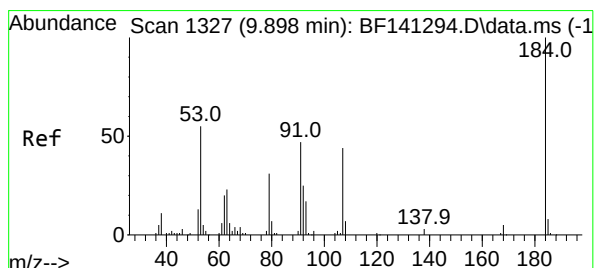
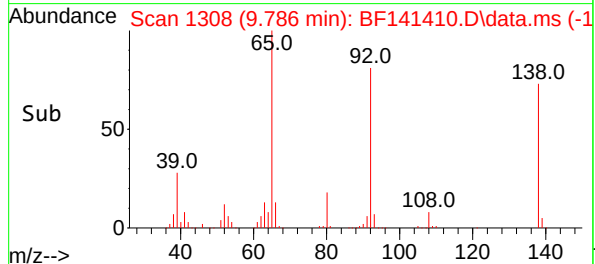
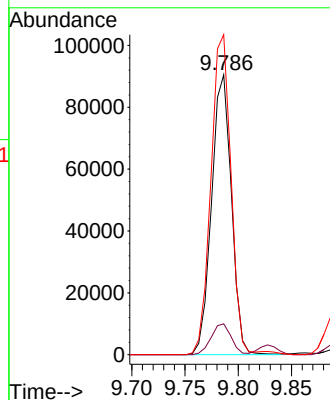
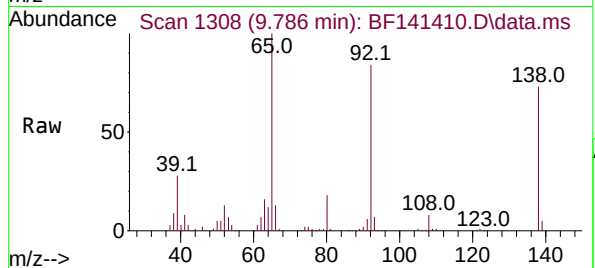
Tgt Ion:138 Resp: 117193

Ion Ratio Lower Upper

138 100

108 11.0 8.6 12.8

92 114.3 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 48.068 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

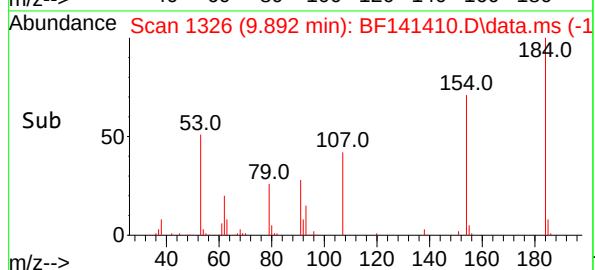
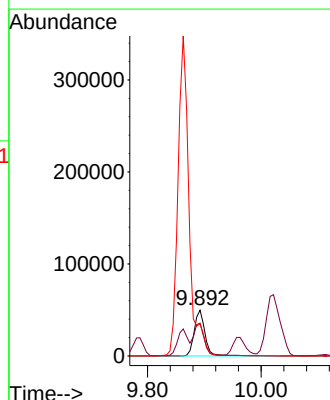
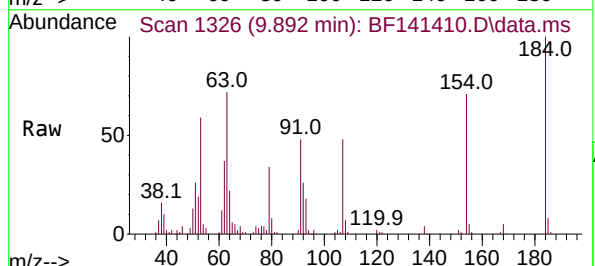
Tgt Ion:184 Resp: 65781

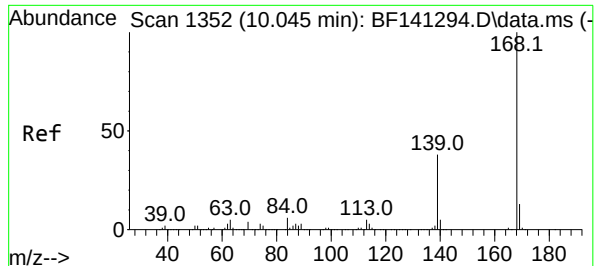
Ion Ratio Lower Upper

184 100

63 71.7 54.1 81.1

154 70.6 50.7 76.1





#55

Dibenzenofuran

Concen: 40.736 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

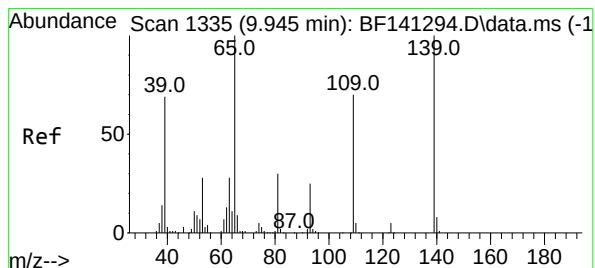
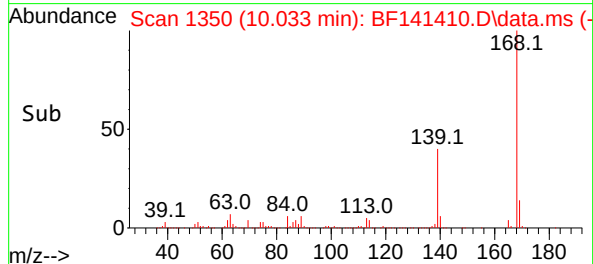
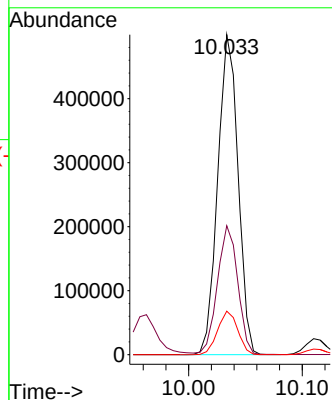
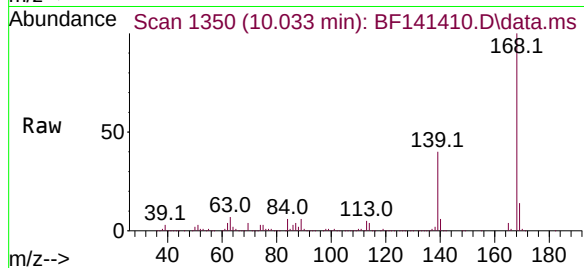
Tgt Ion:168 Resp: 622267

Ion Ratio Lower Upper

168 100

139 40.3 30.6 46.0

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 44.180 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

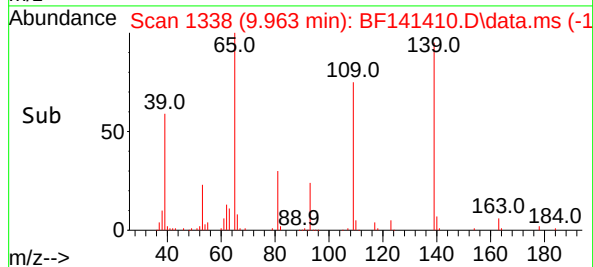
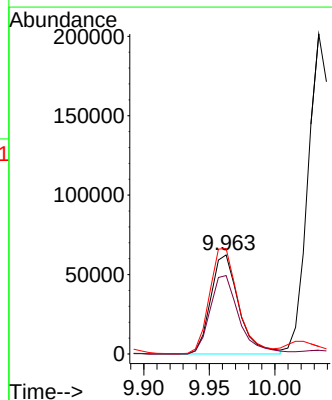
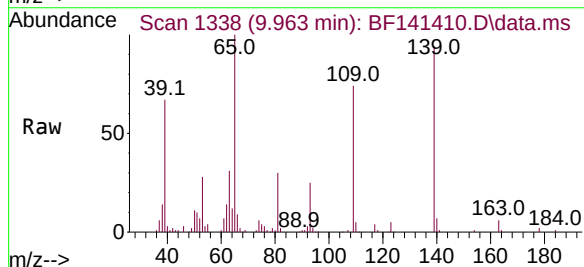
Tgt Ion:139 Resp: 93228

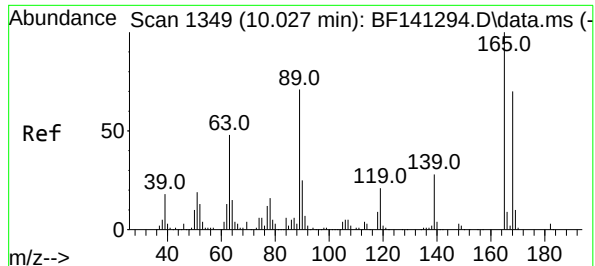
Ion Ratio Lower Upper

139 100

109 79.2 50.2 90.2

65 106.5 80.6 120.6





#57

2,4-Dinitrotoluene

Concen: 43.245 ng

RT: 10.016 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 164833

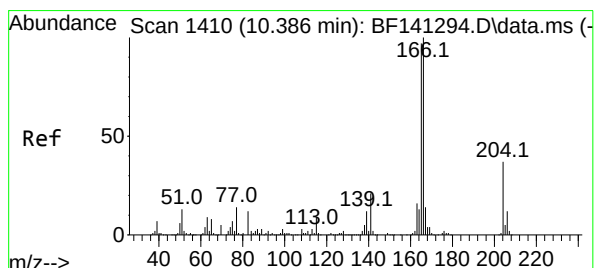
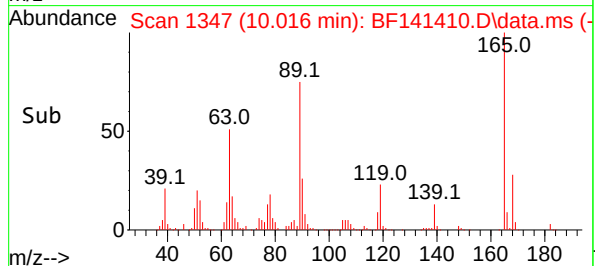
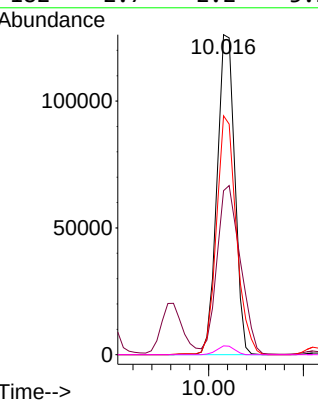
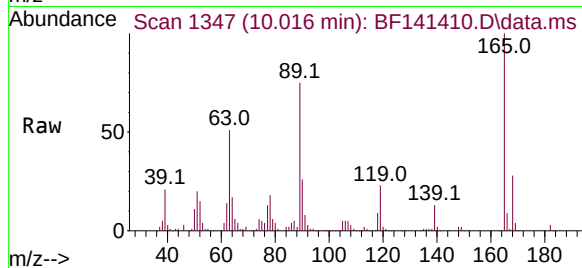
Ion Ratio Lower Upper

165 100

63 51.3 39.2 58.8

89 74.7 56.9 85.3

182 2.7 2.2 3.2



#58

Fluorene

Concen: 41.680 ng

RT: 10.380 min Scan# 1409

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

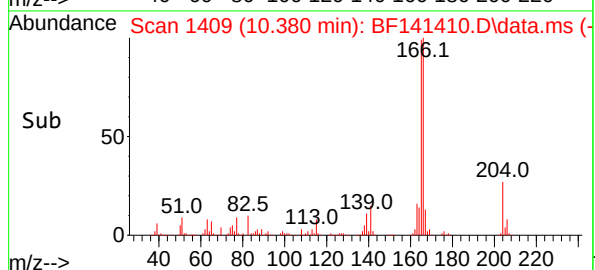
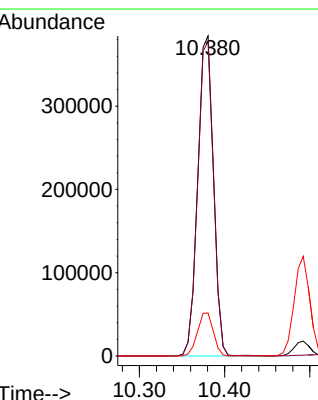
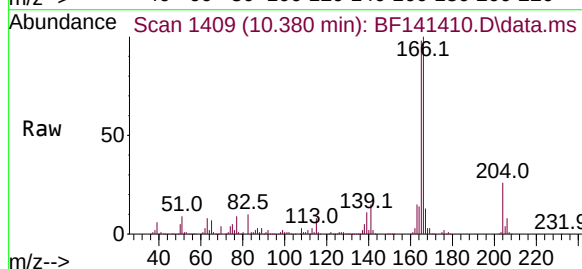
Tgt Ion:166 Resp: 493864

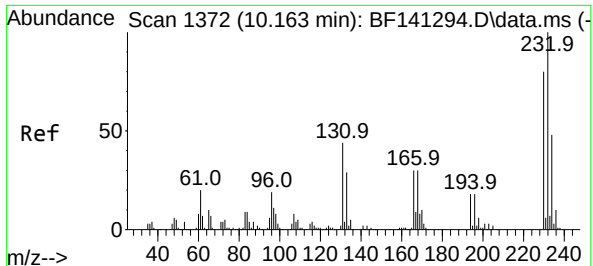
Ion Ratio Lower Upper

166 100

165 98.3 77.5 116.3

167 13.4 10.9 16.3

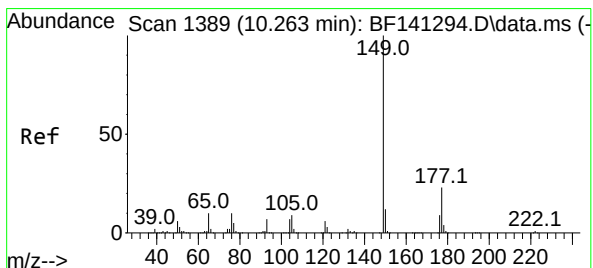
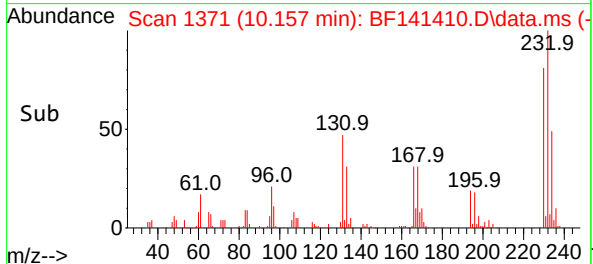
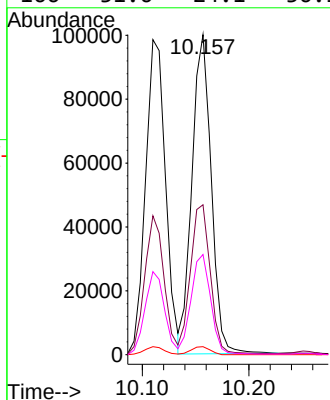
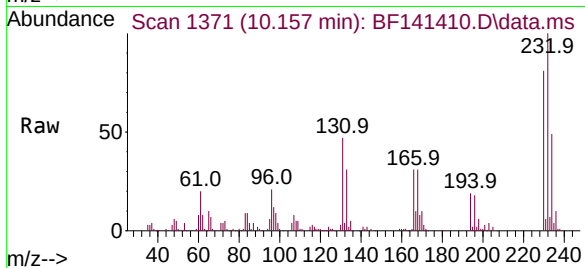




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.135 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

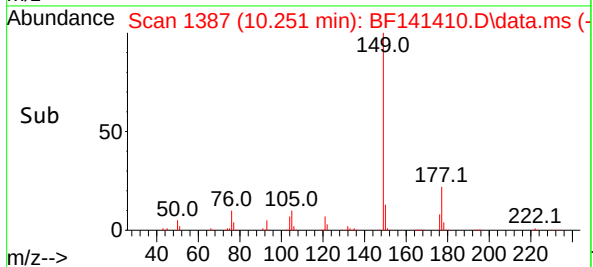
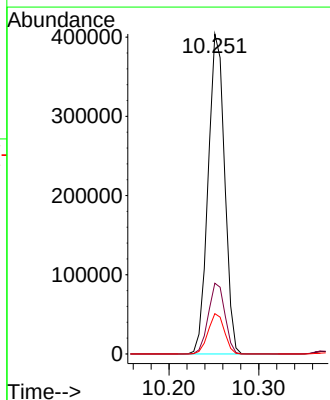
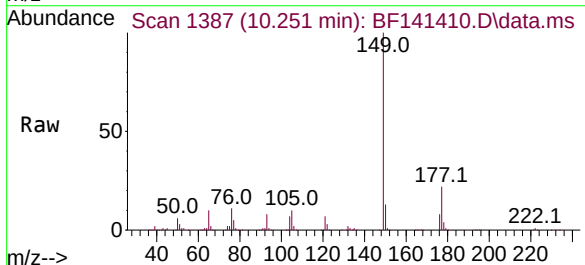
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

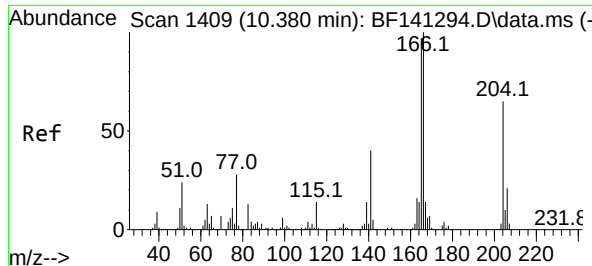
Tgt Ion:232 Resp: 126118
Ion Ratio Lower Upper
232 100
131 49.0 36.4 54.6
130 2.5 1.9 2.9
166 31.6 24.1 36.1



#60
Diethylphthalate
Concen: 41.811 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 514014
Ion Ratio Lower Upper
149 100
177 22.1 18.5 27.7
150 12.6 10.0 15.0

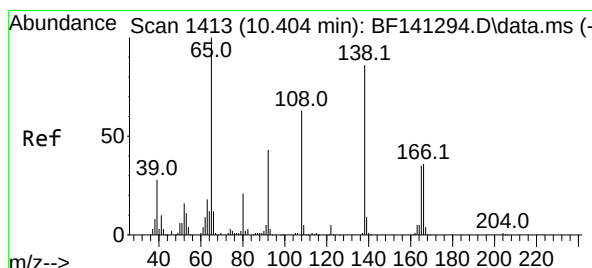
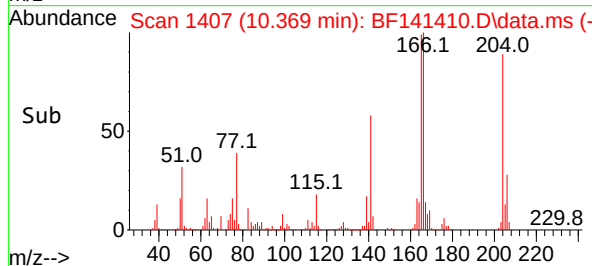
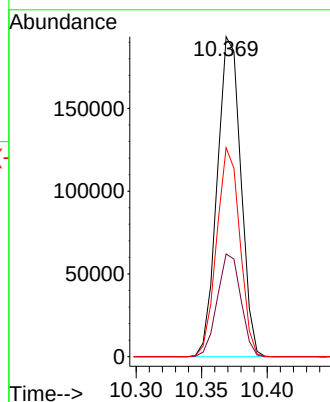
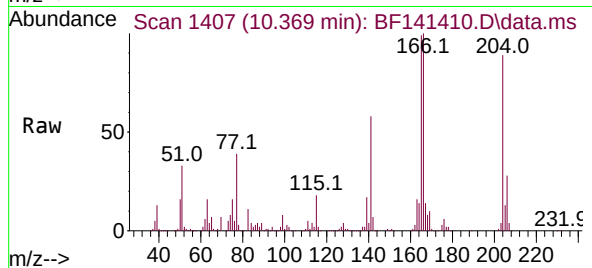




#61
4-Chlorophenyl-phenylether
Concen: 41.757 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

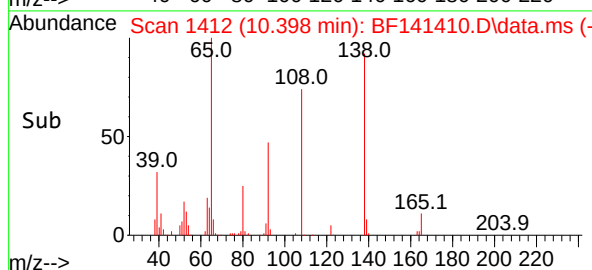
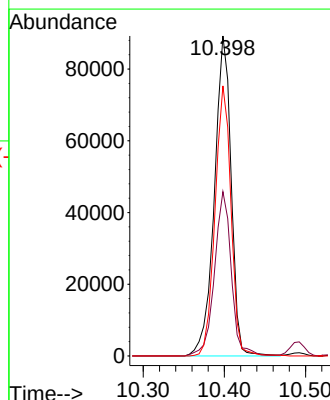
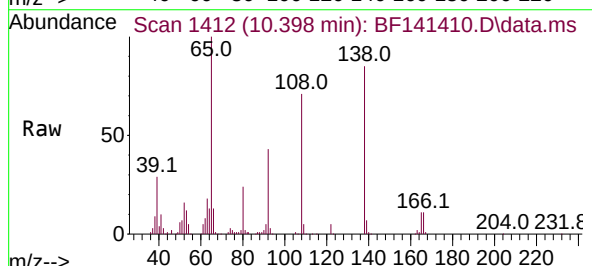
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

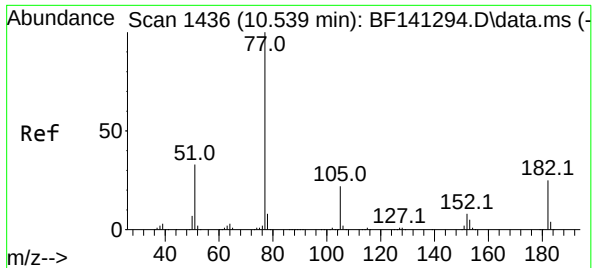
Tgt Ion:204 Resp: 241686
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 65.3 49.5 74.3



#62
4-Nitroaniline
Concen: 45.227 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:138 Resp: 128297
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 84.4 53.1 93.1

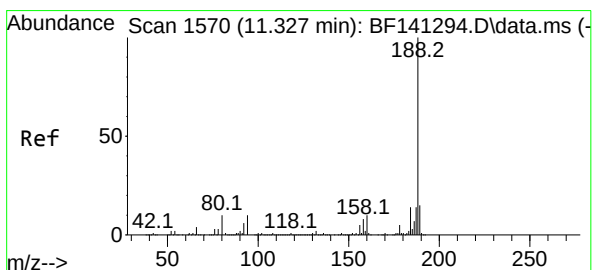
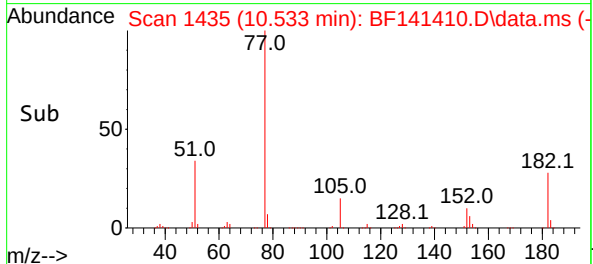
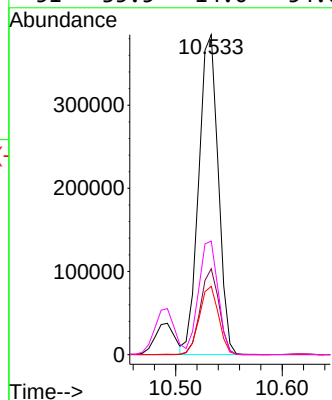
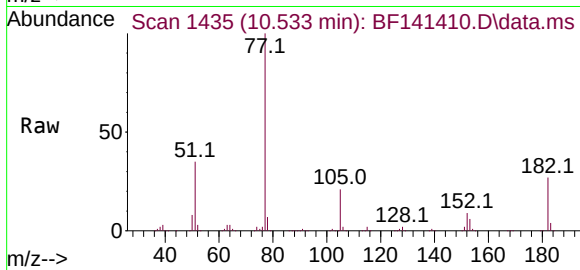




#63
Azobenzene
Concen: 39.824 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

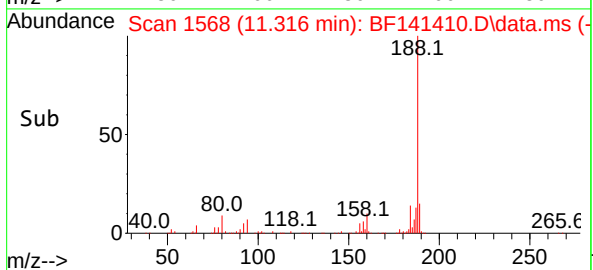
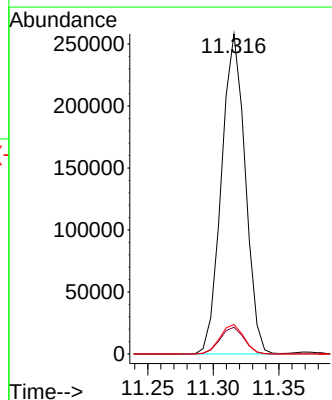
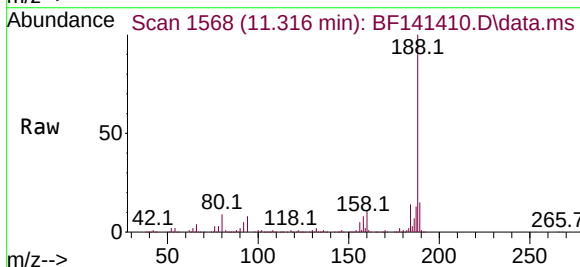
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

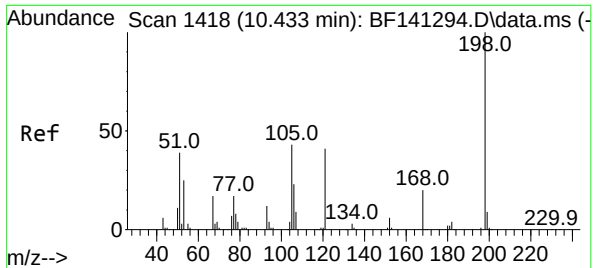
Tgt Ion: 77	Resp: 490065
Ion Ratio	Lower Upper
77 100	
182 26.9	5.1 45.1
105 21.3	1.8 41.8
51 35.5	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:188	Resp: 325046
Ion Ratio	Lower Upper
188 100	
94 8.3	7.8 11.6
80 9.2	8.2 12.4

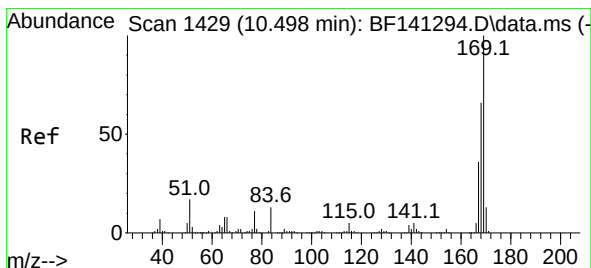
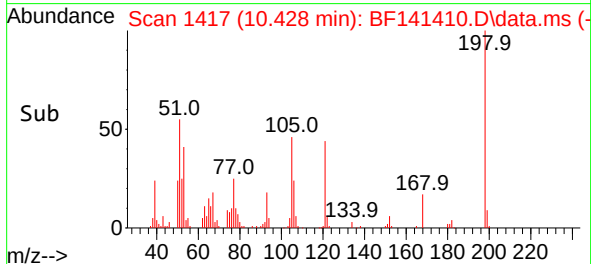
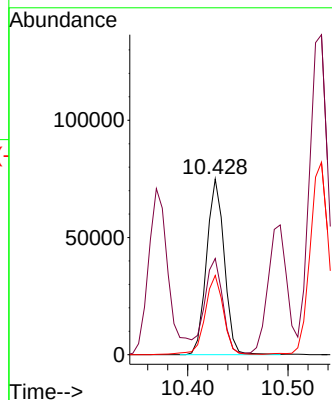
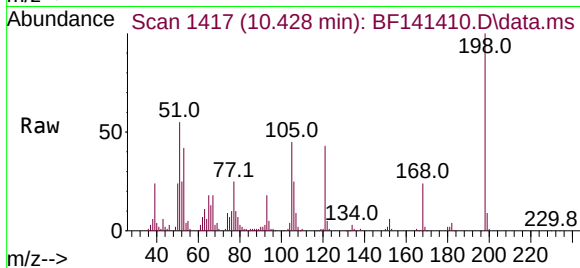




#65
4,6-Dinitro-2-methylphenol
Concen: 47.978 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

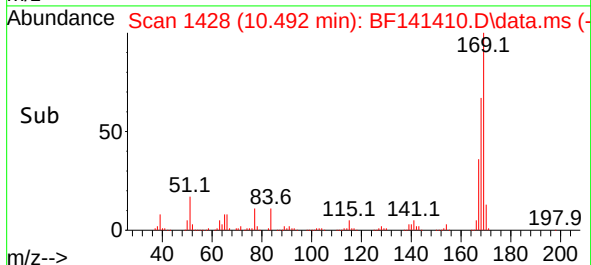
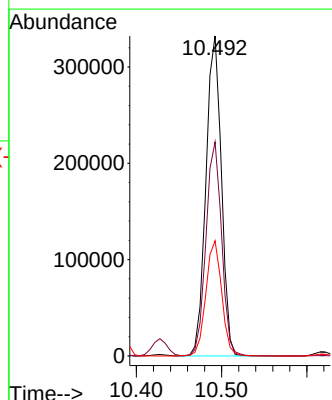
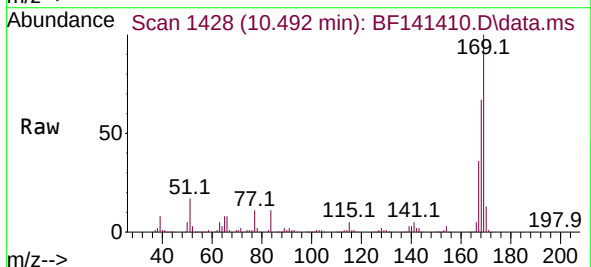
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

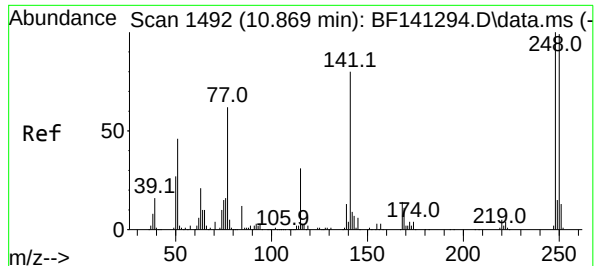
Tgt Ion:198 Resp: 92244
Ion Ratio Lower Upper
198 100
51 54.7 33.4 73.4
105 45.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 39.757 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:169 Resp: 417972
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.0 28.8 43.2

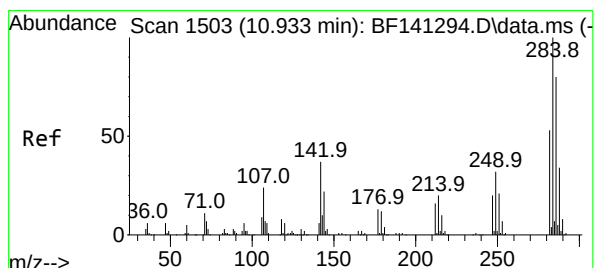
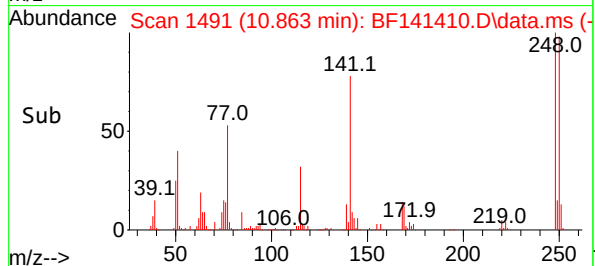
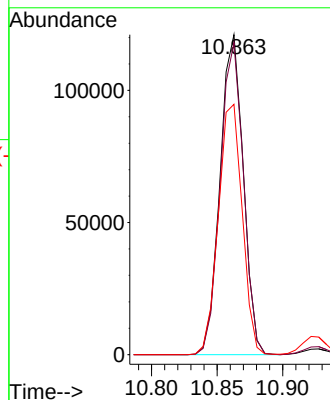
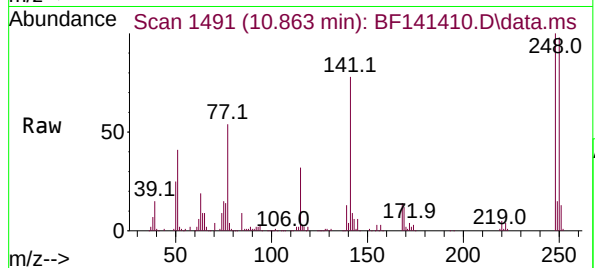




#67
4-Bromophenyl-phenylether
Concen: 40.899 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

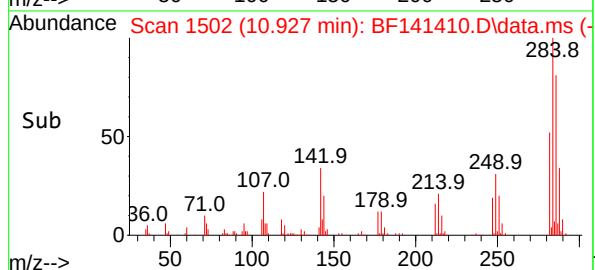
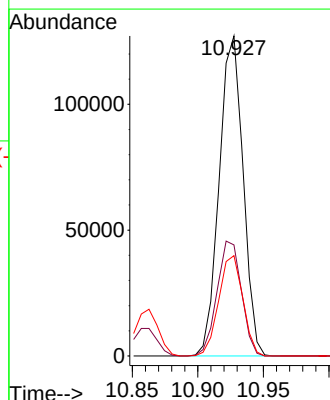
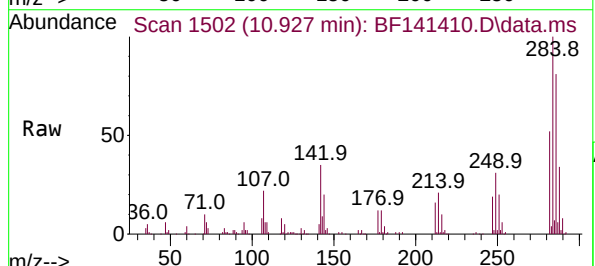
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

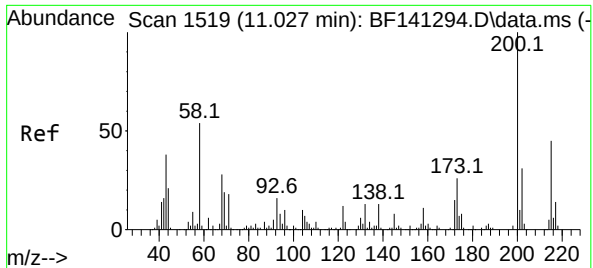
Tgt Ion:248 Resp: 148831
Ion Ratio Lower Upper
248 100
250 97.5 79.0 118.4
141 78.2 63.7 95.5



#68
Hexachlorobenzene
Concen: 41.684 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:284 Resp: 160903
Ion Ratio Lower Upper
284 100
142 34.7 29.5 44.3
249 31.4 25.4 38.2





#69

Atrazine

Concen: 39.071 ng

RT: 11.016 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

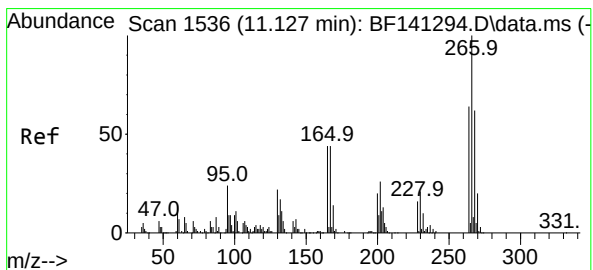
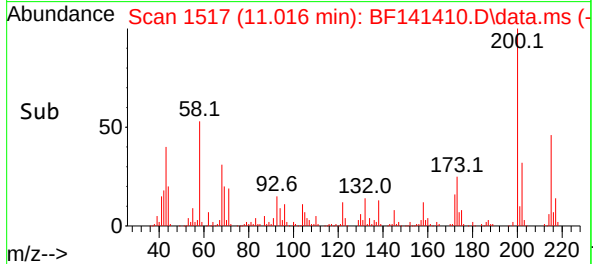
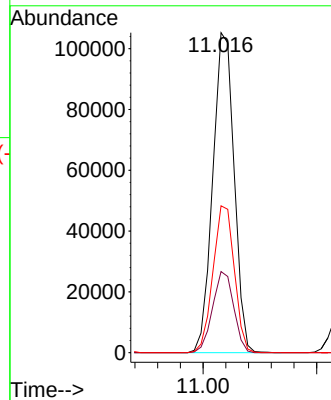
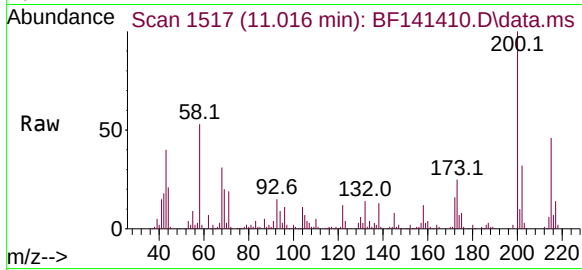
Tgt Ion:200 Resp: 137337

Ion Ratio Lower Upper

200 100

173 25.3 5.9 45.9

215 45.9 25.2 65.2



#70

Pentachlorophenol

Concen: 45.399 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

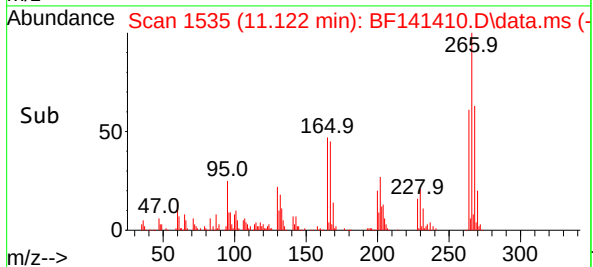
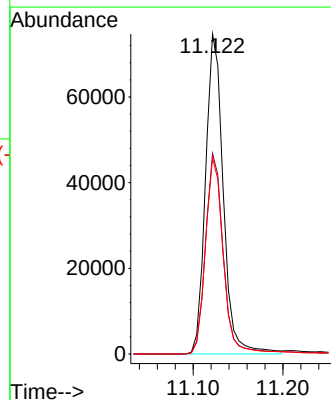
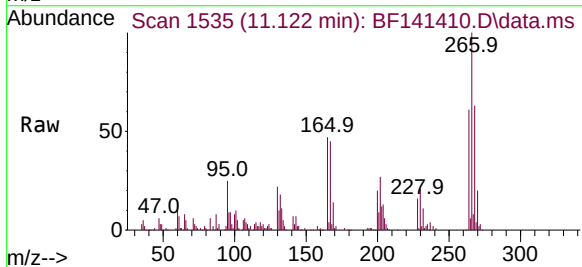
Tgt Ion:266 Resp: 102619

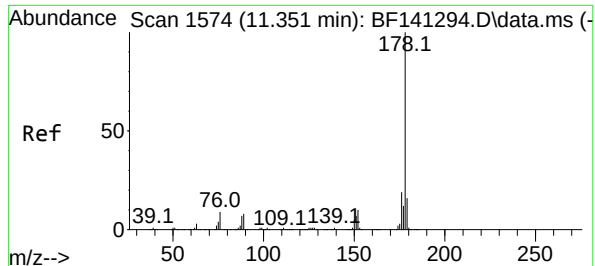
Ion Ratio Lower Upper

266 100

268 62.7 49.9 74.9

264 61.2 51.0 76.4





#71

Phenanthrene

Concen: 41.409 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

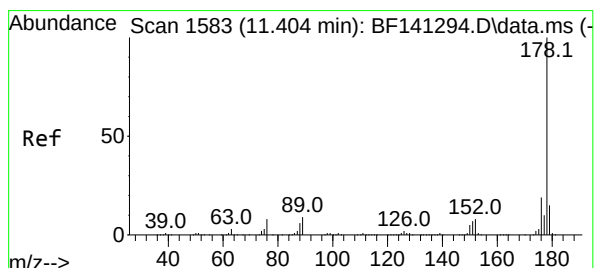
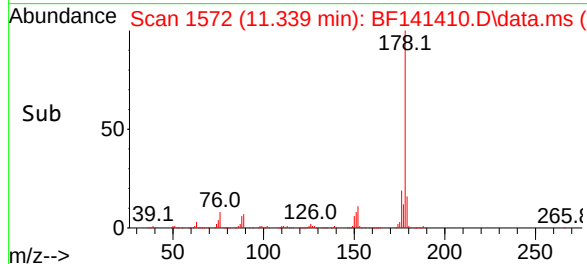
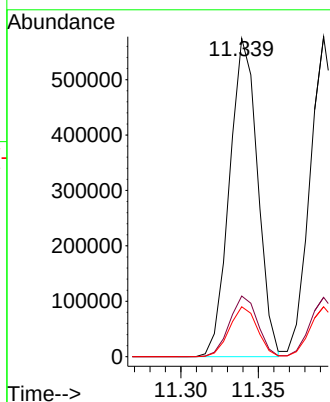
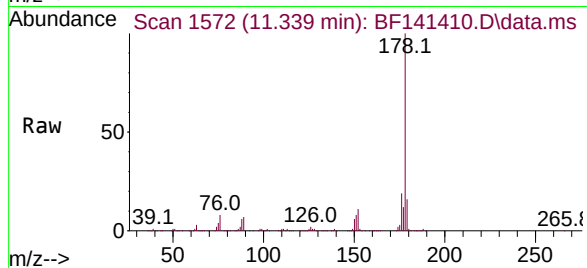
Tgt Ion:178 Resp: 723529

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 41.850 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

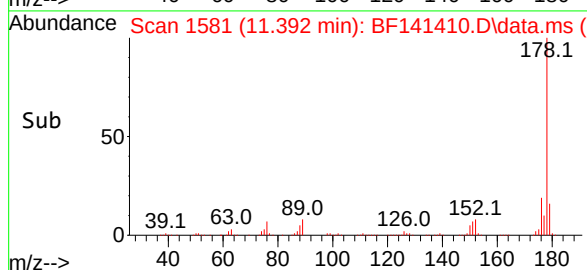
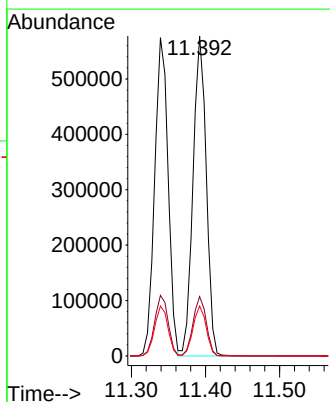
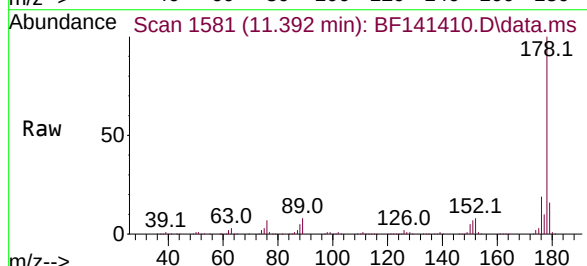
Tgt Ion:178 Resp: 716469

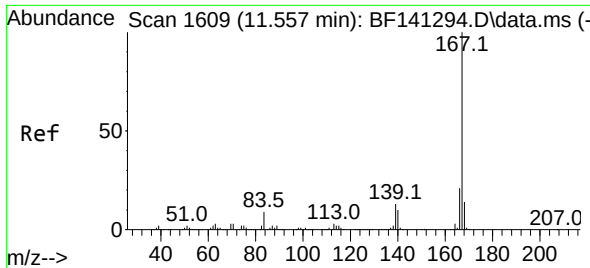
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.6 12.3 18.5

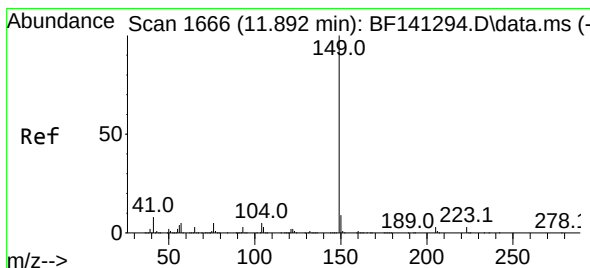
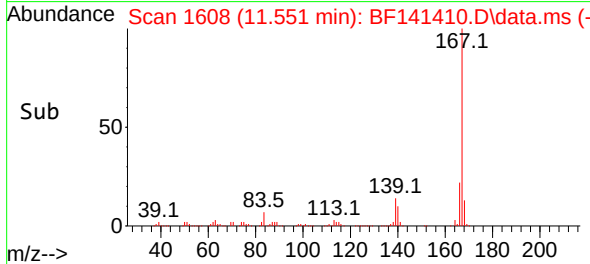
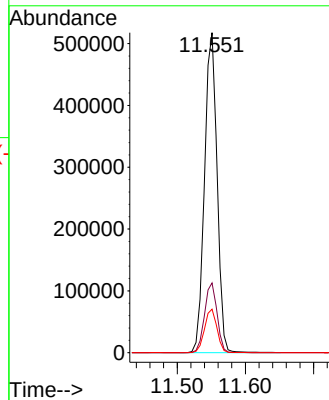
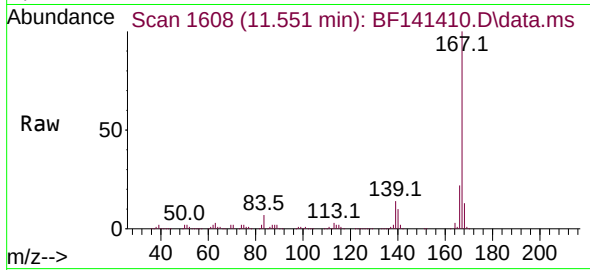




#73
Carbazole
Concen: 43.663 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

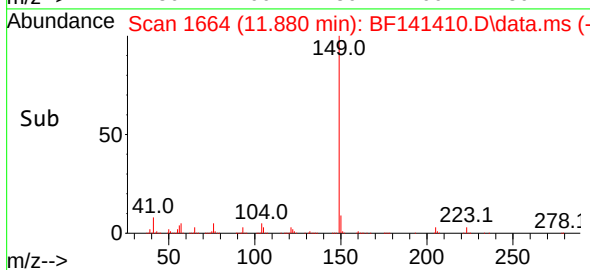
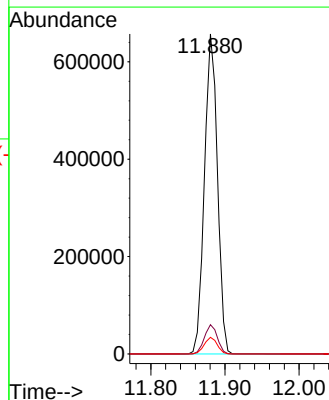
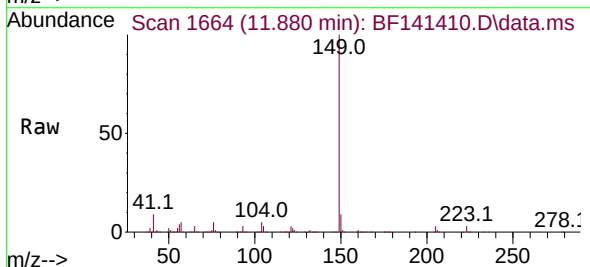
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

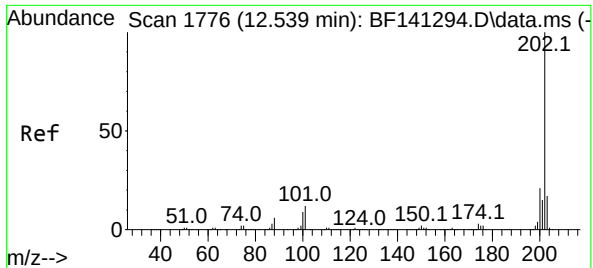
Tgt Ion:167 Resp: 662834
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 43.495 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 800193
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.2 3.9 5.9





#75

Fluoranthene

Concen: 46.442 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

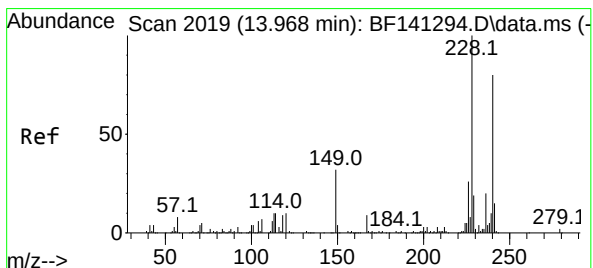
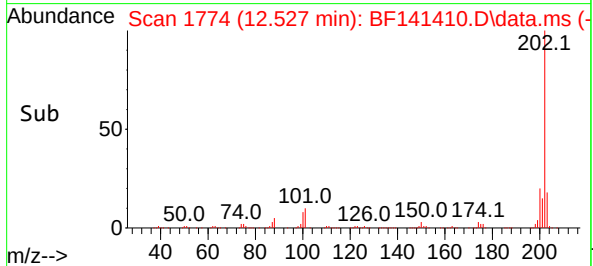
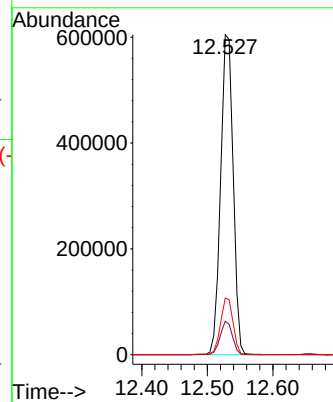
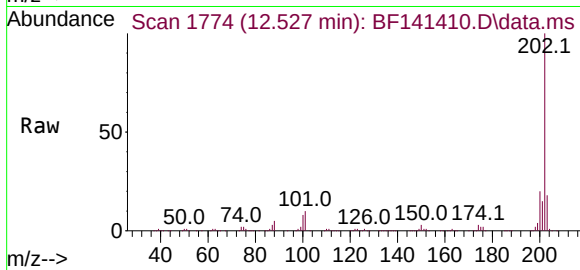
Tgt Ion:202 Resp: 801222

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.7

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

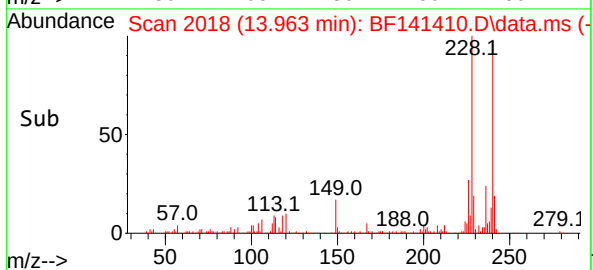
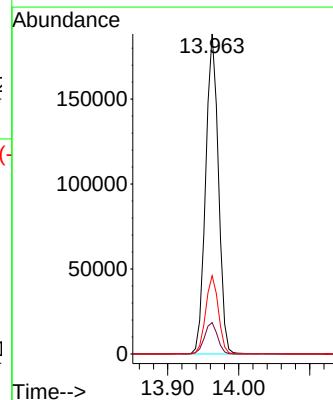
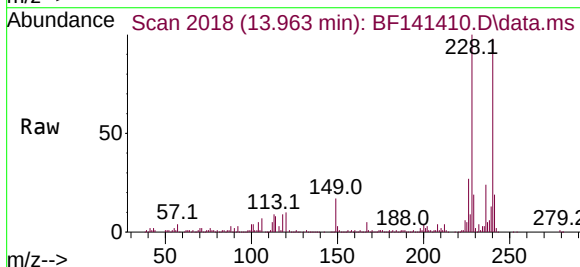
Tgt Ion:240 Resp: 235785

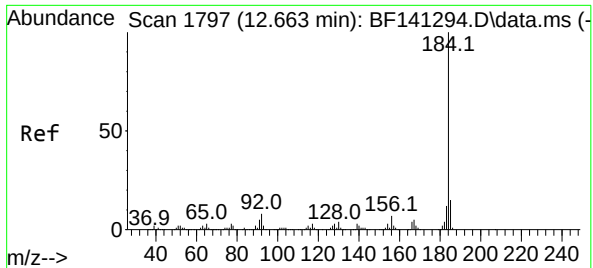
Ion Ratio Lower Upper

240 100

120 9.8 10.0 15.0#

236 24.4 19.7 29.5

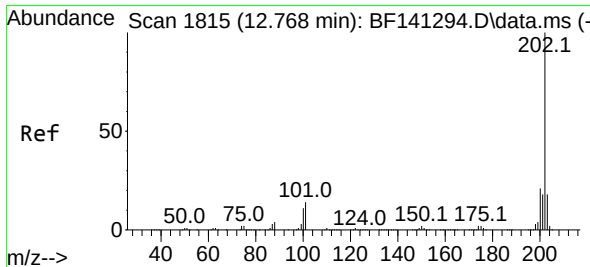
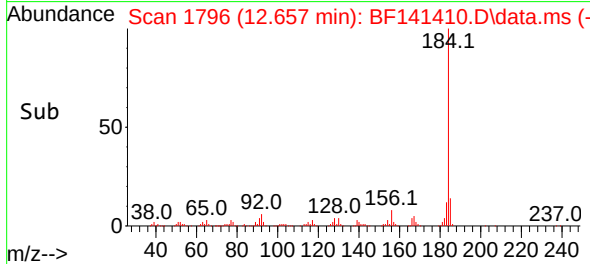
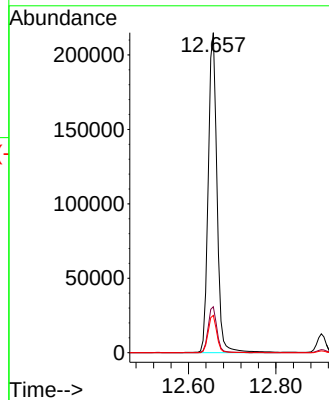
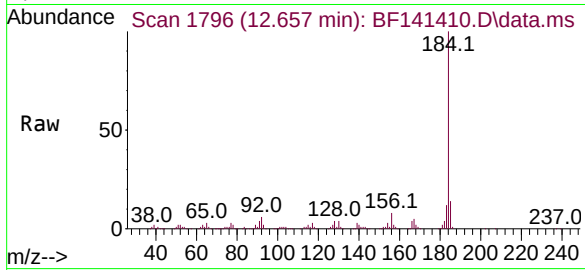




#77
Benzidine
Concen: 39.706 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

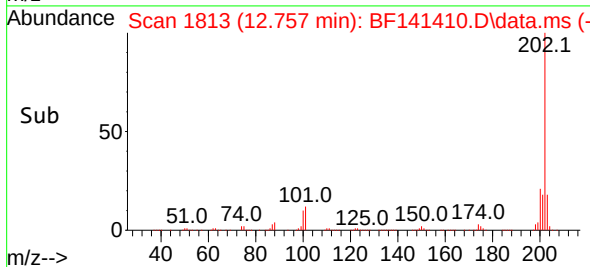
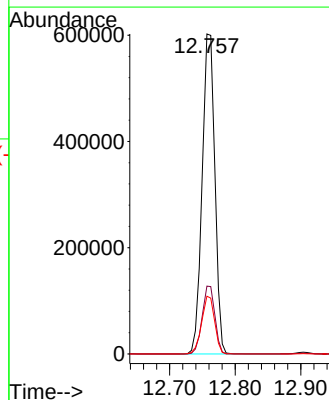
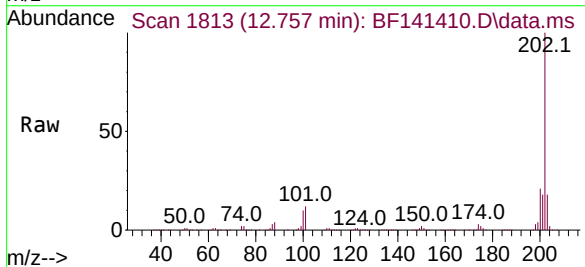
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

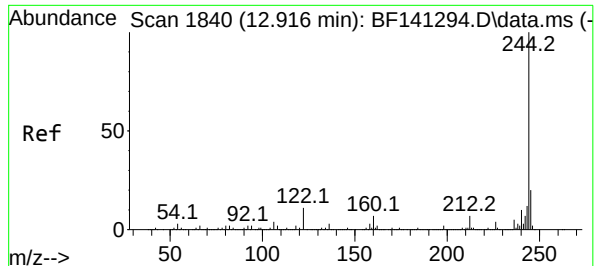
Tgt Ion:184 Resp: 300130
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 11.6 9.5 14.3



#78
Pyrene
Concen: 36.091 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:202 Resp: 816862
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.1 14.3 21.5





#79

Terphenyl-d14

Concen: 75.722 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

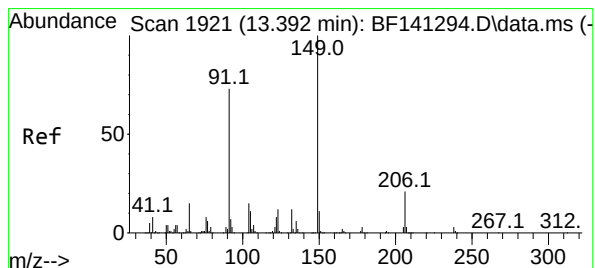
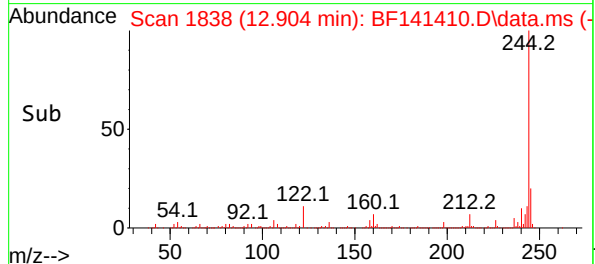
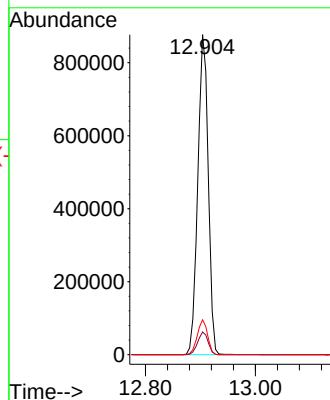
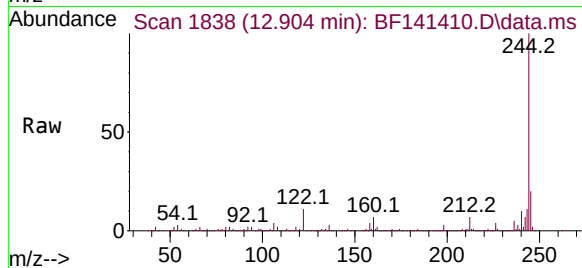
Tgt Ion:244 Resp: 1157717

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.9 8.8 13.2



#80

Butylbenzylphthalate

Concen: 40.003 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

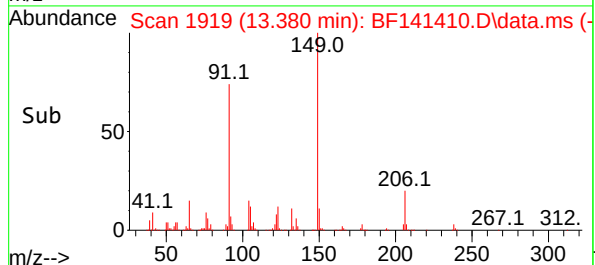
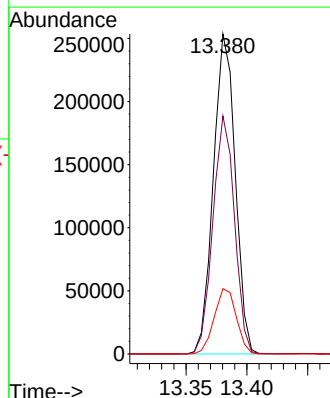
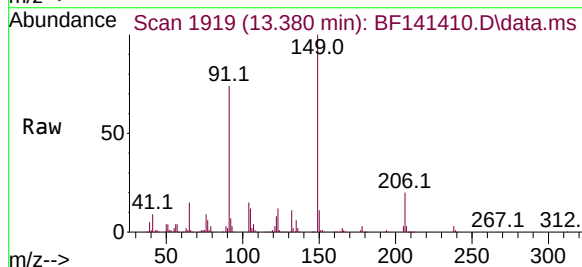
Tgt Ion:149 Resp: 316309

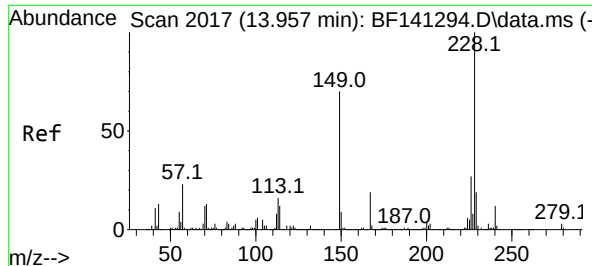
Ion Ratio Lower Upper

149 100

91 74.4 58.6 87.8

206 20.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 37.039 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

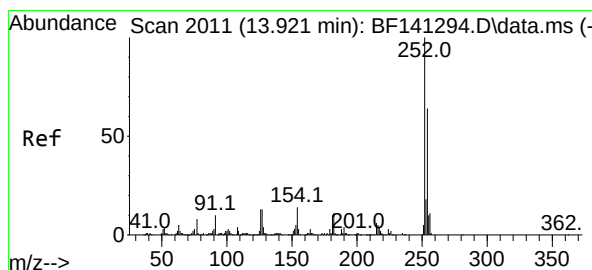
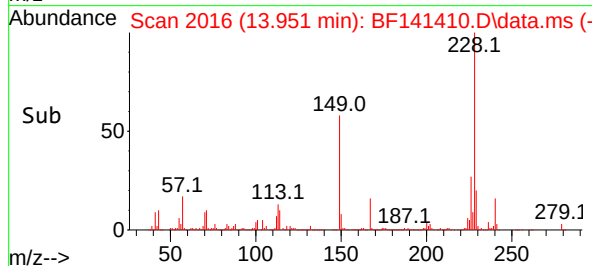
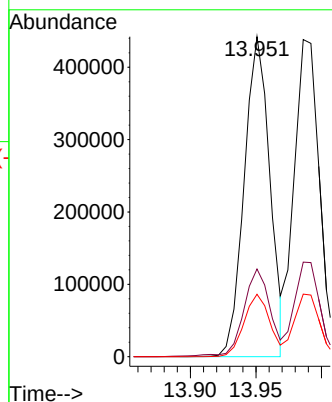
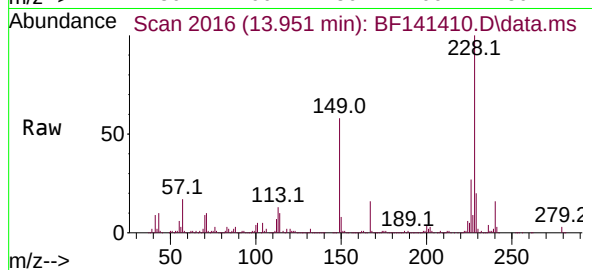
Tgt Ion:228 Resp: 602639

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 37.342 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

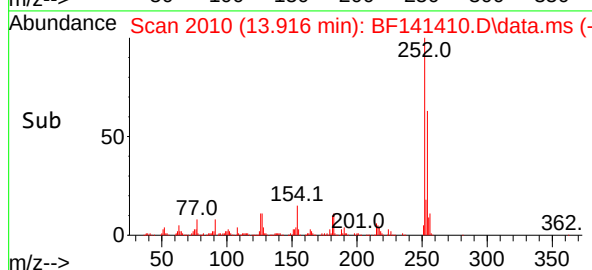
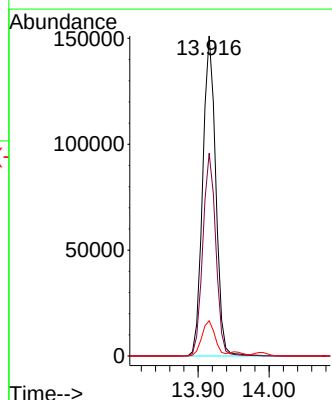
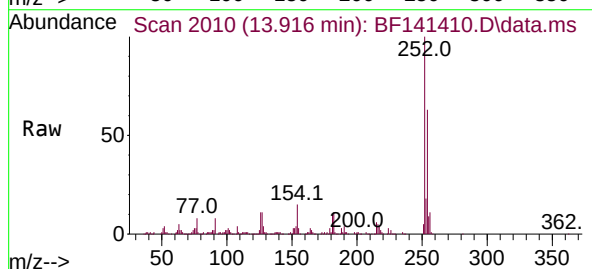
Tgt Ion:252 Resp: 193238

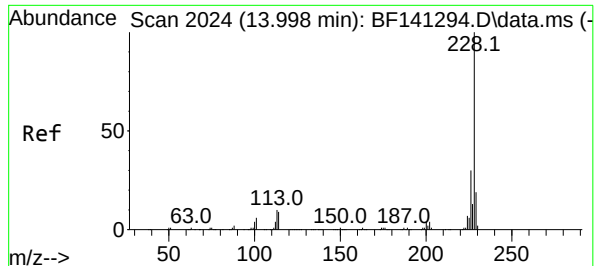
Ion Ratio Lower Upper

252 100

254 63.4 51.3 76.9

126 11.0 10.0 15.0





#83

Chrysene

Concen: 39.150 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

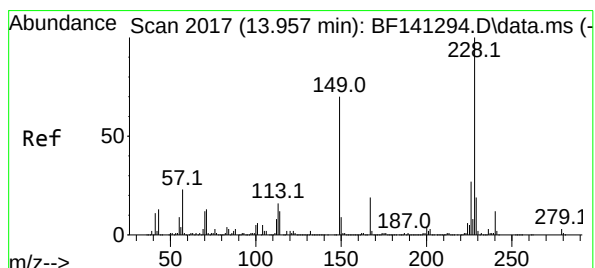
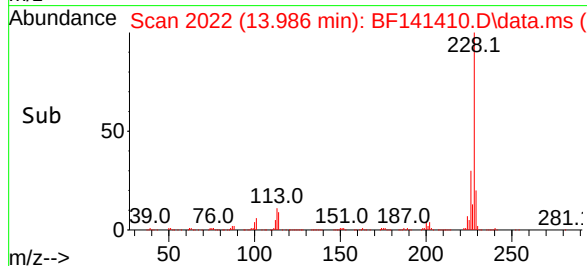
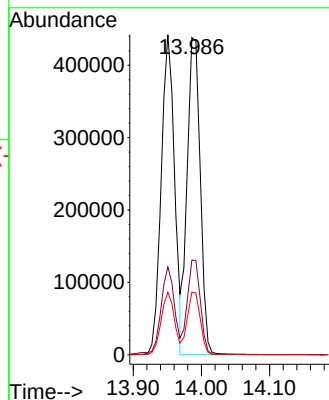
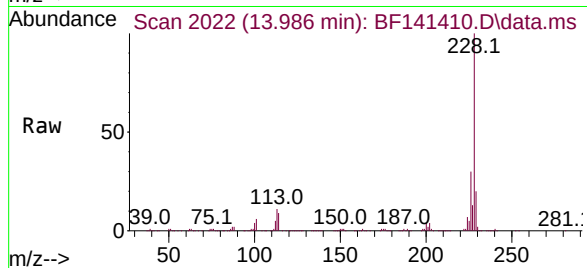
Tgt Ion:228 Resp: 583785

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.225 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

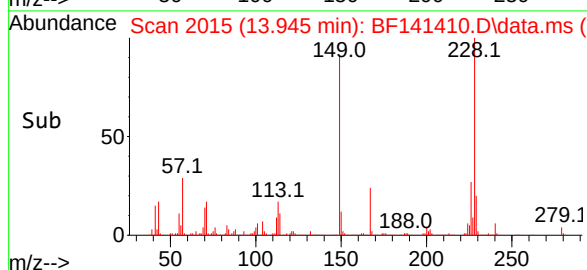
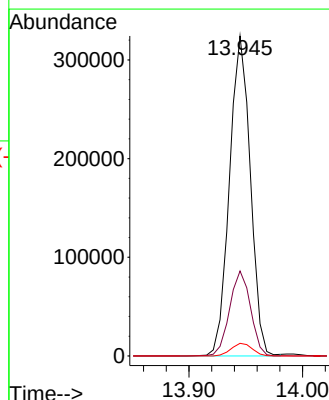
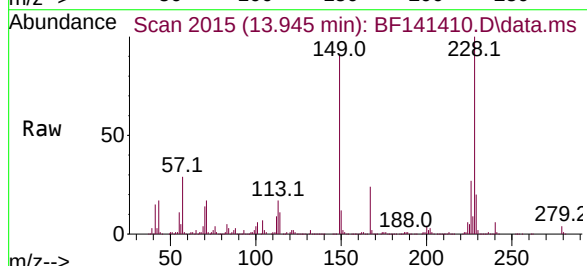
Tgt Ion:149 Resp: 413503

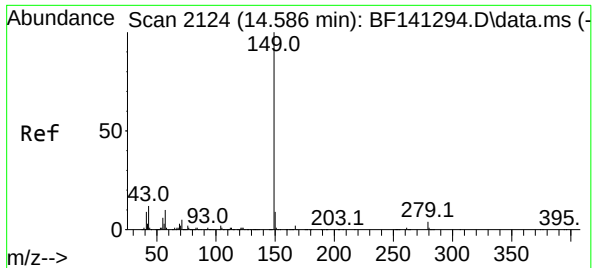
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.8

279 3.9 3.3 4.9

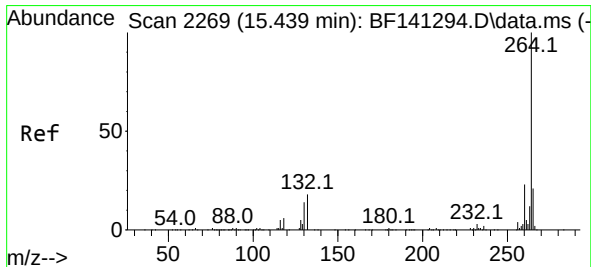
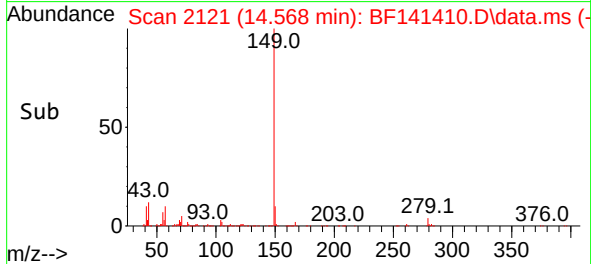
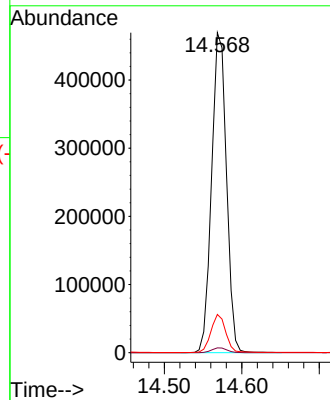
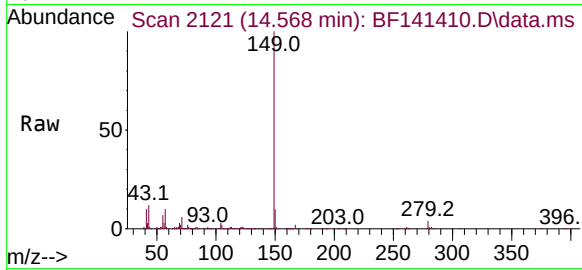




#85
Di-n-octyl phthalate
Concen: 40.161 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

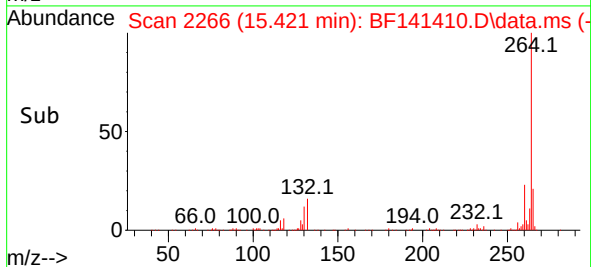
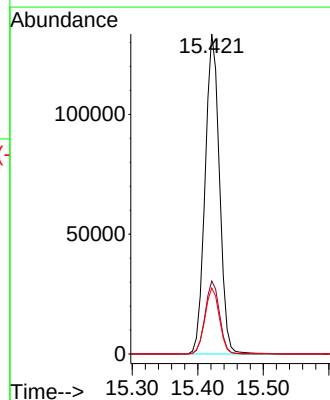
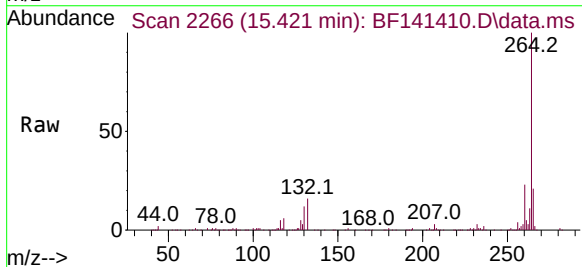
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

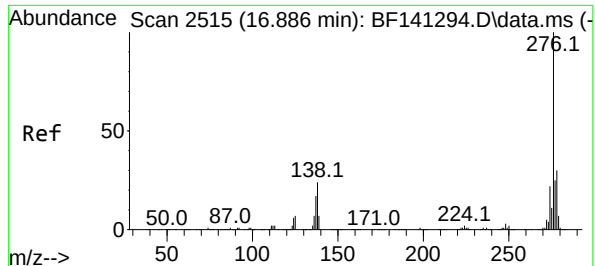
Tgt Ion:149 Resp: 625670
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.9 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:264 Resp: 203742
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 20.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.413 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.030 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

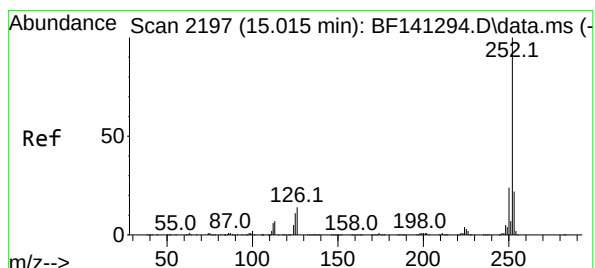
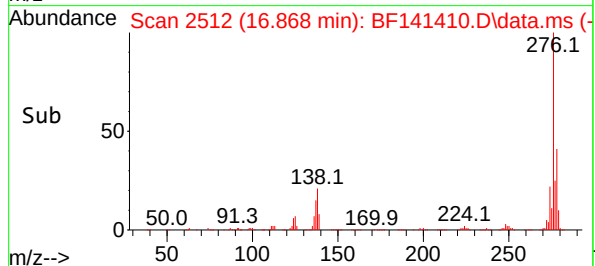
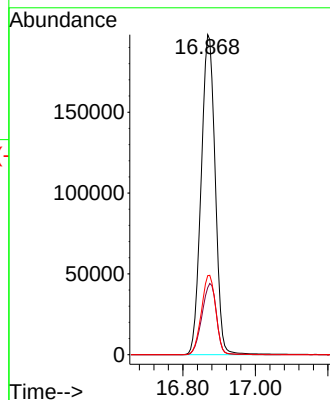
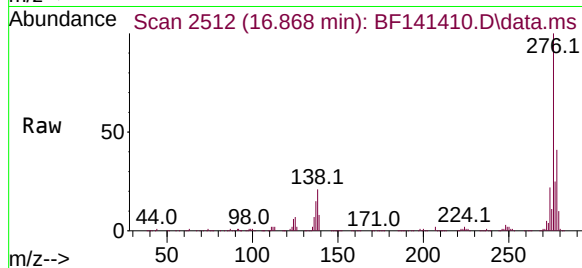
Tgt Ion:276 Resp: 531435

Ion Ratio Lower Upper

276 100

138 22.9 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 40.568 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

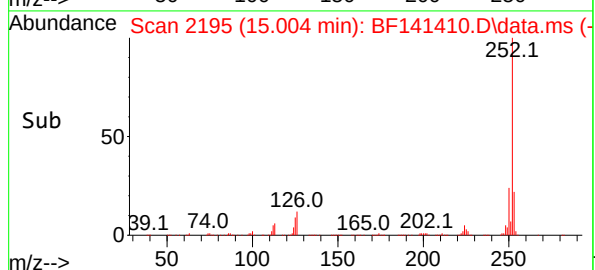
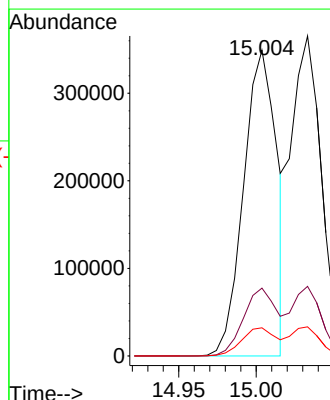
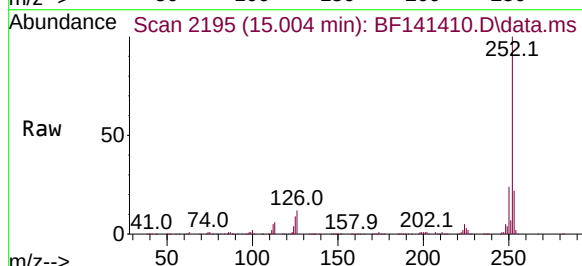
Tgt Ion:252 Resp: 519917

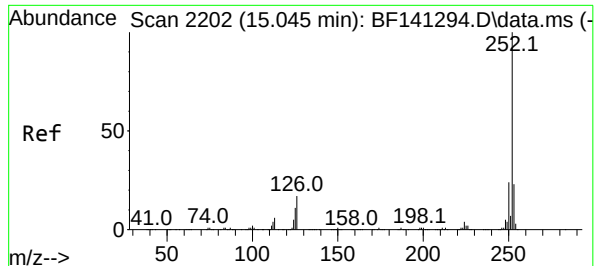
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 43.621 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

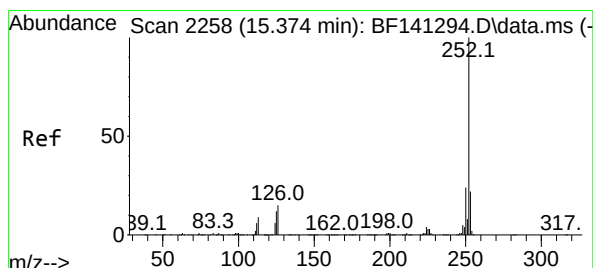
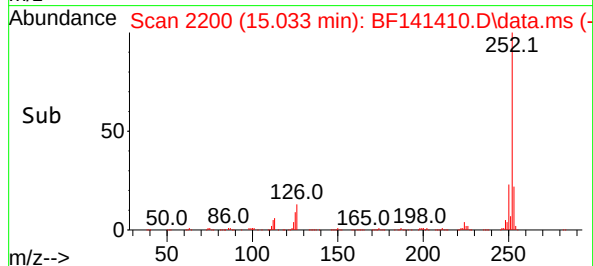
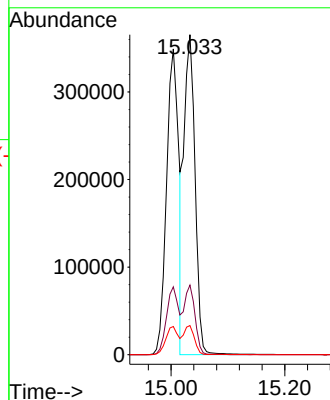
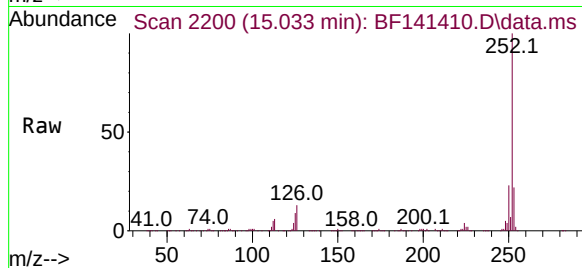
Tgt Ion:252 Resp: 495242

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 9.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 41.076 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

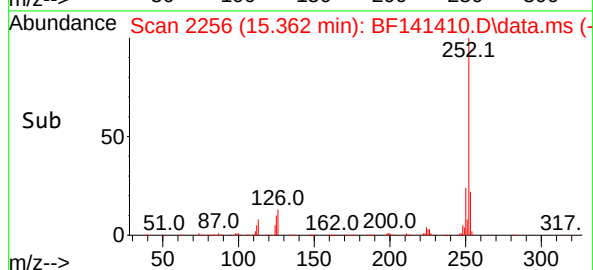
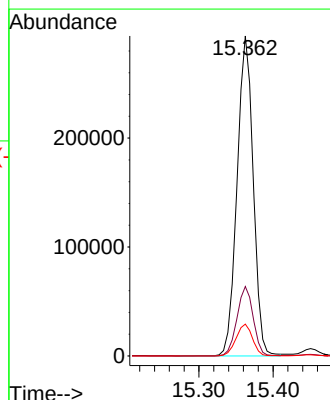
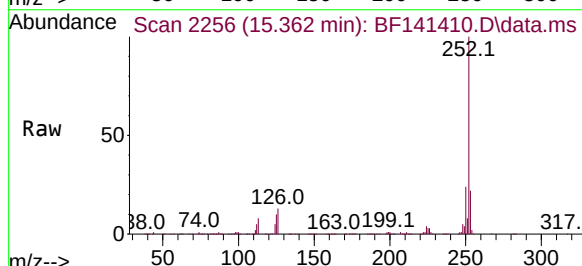
Tgt Ion:252 Resp: 444854

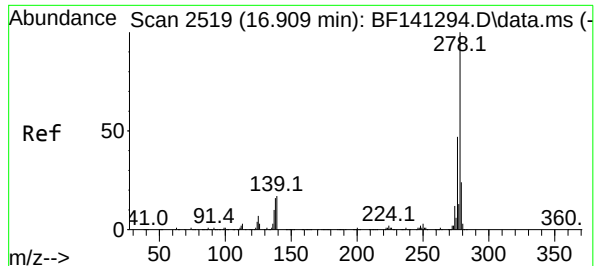
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 10.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 40.648 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

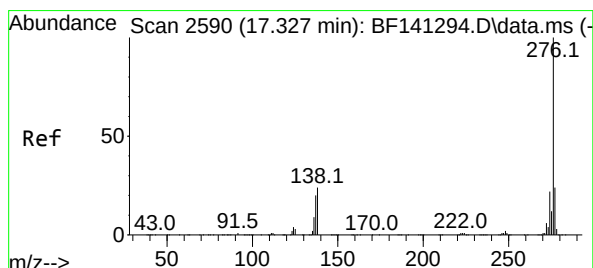
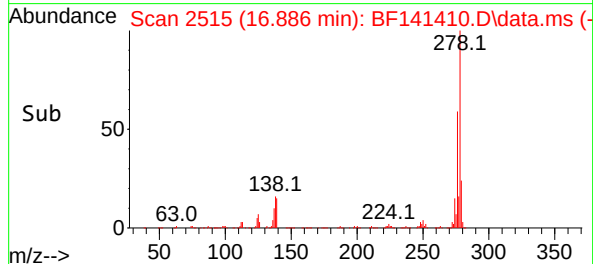
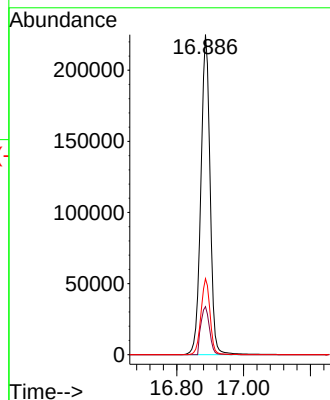
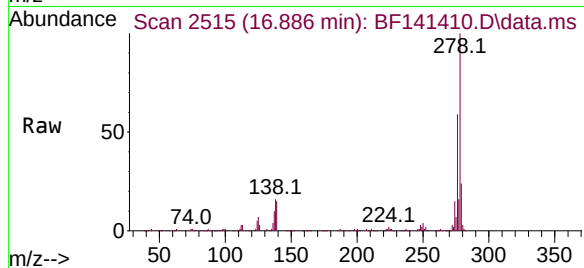
Tgt Ion:278 Resp: 430043

Ion Ratio Lower Upper

278 100

139 15.0 13.9 20.9

279 23.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.851 ng

RT: 17.304 min Scan# 2586

Delta R.T. -0.041 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

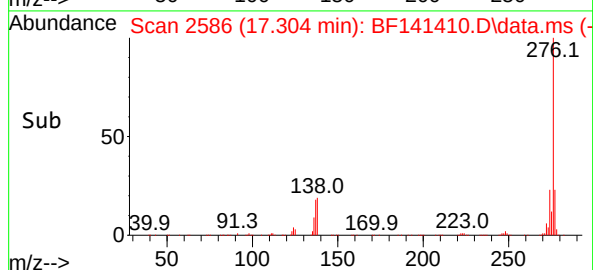
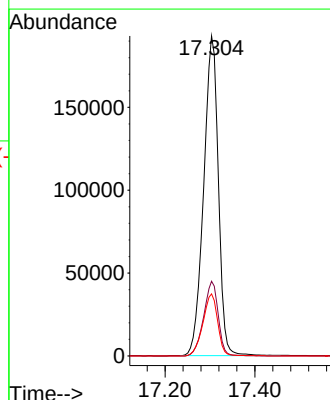
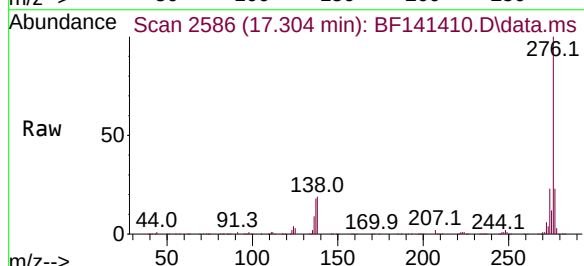
Tgt Ion:276 Resp: 438392

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 19.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	66	-0.01
2	1,4-Dioxane	0.573	0.535	6.6	66	-0.04
3	Pyridine	1.380	1.264	8.4	63	-0.05
4	n-Nitrosodimethylamine	0.789	0.823	-4.3	72	-0.06
5 S	2-Fluorophenol	1.303	1.284	1.5	70	0.00
6	Aniline	1.403	1.284	8.5	62	-0.02
7 S	Phenol-d6	1.657	1.572	5.1	68	0.00
8	2-Chlorophenol	1.396	1.368	2.0	70	-0.01
9	Benzaldehyde	0.960	1.013	-5.5	75	-0.01
10 C	Phenol	1.757	1.636	6.9	66	0.00
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	67	-0.02
12	1,3-Dichlorobenzene	1.540	1.532	0.5	71	-0.02
13 C	1,4-Dichlorobenzene	1.547	1.553	-0.4	72	-0.01
14	1,2-Dichlorobenzene	1.448	1.446	0.1	71	-0.01
15	Benzyl Alcohol	1.133	1.180	-4.1	72	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.088	10.8	63	-0.01
17	2-Methylphenol	1.135	1.080	4.8	68	0.00
18	Hexachloroethane	0.571	0.577	-1.1	72	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.944	4.2	69	-0.02
20	3+4-Methylphenols	1.393	1.396	-0.2	71	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	66	-0.01
22	Acetophenone	0.475	0.494	-4.0	74	-0.02
23 S	Nitrobenzene-d5	0.379	0.388	-2.4	72	-0.01
24	Nitrobenzene	0.393	0.393	0.0	69	-0.02
25	Isophorone	0.656	0.640	2.4	69	-0.02
26 C	2-Nitrophenol	0.185	0.192	-3.8	71	-0.01
27	2,4-Dimethylphenol	0.236	0.228	3.4	67	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.398	4.8	67	-0.02
29 C	2,4-Dichlorophenol	0.289	0.292	-1.0	71	0.00
30	1,2,4-Trichlorobenzene	0.330	0.337	-2.1	73	-0.01
31	Naphthalene	1.057	1.049	0.8	70	-0.01
32	Benzoic acid	0.217	0.230	-6.0	68	-0.03
33	4-Chloroaniline	0.358	0.319	10.9	62	-0.01
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	76	-0.01
35	Caprolactam	0.094	0.093	1.1	69	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.319	-2.9	73	0.00
37	2-Methylnaphthalene	0.672	0.673	-0.1	71	-0.01
38	1-Methylnaphthalene	0.660	0.657	0.5	71	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	66	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	73	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	72	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.206	-12.6	79	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	70	0.00
44	2,4,5-Trichlorophenol	0.405	0.420	-3.7	74	0.00
45 S	2-Fluorobiphenyl	1.299	1.327	-2.2	74	-0.01
46	1,1'-Biphenyl	1.560	1.554	0.4	71	-0.01
47	2-Chloronaphthalene	1.216	1.203	1.1	71	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	0.382	0.396	-3.7	72	0.00
49	Acenaphthylene	1.702	1.720	-1.1	72	-0.01
50	Dimethylphthalate	1.351	1.359	-0.6	73	-0.01
51	2,6-Dinitrotoluene	0.314	0.322	-2.5	72	-0.01
52 C	Acenaphthene	1.216	1.251	-2.9	74	-0.01
53	3-Nitroaniline	0.307	0.312	-1.6	68	-0.01
54 P	2,4-Dinitrophenol	0.146	0.175	-19.9	79	-0.01
55	Dibenzofuran	1.627	1.657	-1.8	72	-0.01
56 P	4-Nitrophenol	0.225	0.248	-10.2	74	0.00
57	2,4-Dinitrotoluene	0.406	0.439	-8.1	75	-0.02
58	Fluorene	1.262	1.315	-4.2	75	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	73	0.00
60	Diethylphthalate	1.310	1.369	-4.5	74	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.644	-4.4	75	-0.01
62	4-Nitroaniline	0.302	0.342	-13.2	78	-0.02
63	Azobenzene	1.311	1.305	0.5	71	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	71	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.142	-20.3	80	-0.01
66 c	n-Nitrosodiphenylamine	0.647	0.643	0.6	73	-0.01
67	4-Bromophenyl-phenylether	0.224	0.229	-2.2	75	-0.01
68	Hexachlorobenzene	0.238	0.248	-4.2	77	-0.01
69	Atrazine	0.216	0.211	2.3	70	-0.02
70 C	Pentachlorophenol	0.139	0.158	-13.7	78	-0.01
71	Phenanthrene	1.075	1.113	-3.5	77	-0.01
72	Anthracene	1.053	1.102	-4.7	77	-0.01
73	Carbazole	0.934	1.020	-9.2	80	0.00
74	Di-n-butylphthalate	1.132	1.231	-8.7	80	-0.01
75 C	Fluoranthene	1.062	1.232	-16.0	86	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzydine	0.641	0.636	0.8	79	0.00
78	Pyrene	1.920	1.732	9.8	89	-0.01
79 S	Terphenyl-d14	1.297	1.228	5.3	94	-0.01
80	Butylbenzylphthalate	0.671	0.671	0.0	97	-0.01
81	Benzo(a)anthracene	1.380	1.278	7.4	91	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.410	6.6	89	-0.01
83	Chrysene	1.265	1.238	2.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.877	-3.1	101	-0.01
85 c	Di-n-octyl phthalate	1.321	1.327	-0.5	98	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	73	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.304	-1.0	76	-0.03
88	Benzo(b)fluoranthene	1.258	1.276	-1.4	83	-0.02
89	Benzo(k)fluoranthene	1.114	1.215	-9.1	82	-0.02
90 C	Benzo(a)pyrene	1.063	1.092	-2.7	79	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.055	-1.5	76	-0.04
92	Benzo(g,h,i)perylene	1.080	1.076	0.4	75	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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 = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	66	-0.01
2	1,4-Dioxane	40.000	37.338	6.7	66	-0.04
3	Pyridine	40.000	36.624	8.4	63	-0.05
4	n-Nitrosodimethylamine	40.000	41.739	-4.3	72	-0.06
5 S	2-Fluorophenol	80.000	78.830	1.5	70	0.00
6	Aniline	40.000	36.617	8.5	62	-0.02
7 S	Phenol-d6	80.000	75.891	5.1	68	0.00
8	2-Chlorophenol	40.000	39.195	2.0	70	-0.01
9	Benzaldehyde	40.000	42.215	-5.5	75	-0.01
10 C	Phenol	40.000	37.247	6.9	66	0.00
11	bis(2-Chloroethyl)ether	40.000	37.395	6.5	67	-0.02
12	1,3-Dichlorobenzene	40.000	39.813	0.5	71	-0.02
13 C	1,4-Dichlorobenzene	40.000	40.169	-0.4	72	-0.01
14	1,2-Dichlorobenzene	40.000	39.932	0.2	71	-0.01
15	Benzyl Alcohol	40.000	41.681	-4.2	72	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	35.664	10.8	63	-0.01
17	2-Methylphenol	40.000	38.055	4.9	68	0.00
18	Hexachloroethane	40.000	40.467	-1.2	72	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	38.325	4.2	69	-0.02
20	3+4-Methylphenols	40.000	40.064	-0.2	71	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	66	-0.01
22	Acetophenone	40.000	41.572	-3.9	74	-0.02
23 S	Nitrobenzene-d5	80.000	81.851	-2.3	72	-0.01
24	Nitrobenzene	40.000	40.006	-0.0	69	-0.02
25	Isophorone	40.000	39.031	2.4	69	-0.02
26 C	2-Nitrophenol	40.000	41.393	-3.5	71	-0.01
27	2,4-Dimethylphenol	40.000	38.672	3.3	67	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.030	4.9	67	-0.02
29 C	2,4-Dichlorophenol	40.000	40.477	-1.2	71	0.00
30	1,2,4-Trichlorobenzene	40.000	40.839	-2.1	73	-0.01
31	Naphthalene	40.000	39.696	0.8	70	-0.01
32	Benzoic acid	40.000	42.423	-6.1	68	-0.03
33	4-Chloroaniline	40.000	35.561	11.1	62	-0.01
34 C	Hexachlorobutadiene	40.000	43.093	-7.7	76	-0.01
35	Caprolactam	40.000	39.448	1.4	69	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.200	-3.0	73	0.00
37	2-Methylnaphthalene	40.000	40.115	-0.3	71	-0.01
38	1-Methylnaphthalene	40.000	39.867	0.3	71	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	66	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	73	-0.01
41 P	Hexachlorocyclopentadiene	40.000	44.139	-10.3	72	-0.01
42 S	2,4,6-Tribromophenol	80.000	89.734	-12.2	79	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.335	-3.3	70	0.00
44	2,4,5-Trichlorophenol	40.000	41.404	-3.5	74	0.00
45 S	2-Fluorobiphenyl	80.000	81.709	-2.1	74	-0.01
46	1,1'-Biphenyl	40.000	39.860	0.4	71	-0.01
47	2-Chloronaphthalene	40.000	39.569	1.1	71	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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	41.421	-3.6	72	0.00
49	Acenaphthylene	40.000	40.428	-1.1	72	-0.01
50	Dimethylphthalate	40.000	40.231	-0.6	73	-0.01
51	2,6-Dinitrotoluene	40.000	41.088	-2.7	72	-0.01
52 C	Acenaphthene	40.000	41.148	-2.9	74	-0.01
53	3-Nitroaniline	40.000	40.616	-1.5	68	-0.01
54 P	2,4-Dinitrophenol	40.000	48.068	-20.2	79	-0.01
55	Dibenzofuran	40.000	40.736	-1.8	72	-0.01
56 P	4-Nitrophenol	40.000	44.180	-10.4	74	0.00
57	2,4-Dinitrotoluene	40.000	43.245	-8.1	75	-0.02
58	Fluorene	40.000	41.680	-4.2	75	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.135	-5.3	73	0.00
60	Diethylphthalate	40.000	41.811	-4.5	74	-0.02
61	4-Chlorophenyl-phenylether	40.000	41.757	-4.4	75	-0.01
62	4-Nitroaniline	40.000	45.227	-13.1	78	-0.02
63	Azobenzene	40.000	39.824	0.4	71	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	71	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	47.978	-19.9	80	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.757	0.6	73	-0.01
67	4-Bromophenyl-phenylether	40.000	40.899	-2.2	75	-0.01
68	Hexachlorobenzene	40.000	41.684	-4.2	77	-0.01
69	Atrazine	40.000	39.071	2.3	70	-0.02
70 C	Pentachlorophenol	40.000	45.399	-13.5	78	-0.01
71	Phenanthrene	40.000	41.409	-3.5	77	-0.01
72	Anthracene	40.000	41.850	-4.6	77	-0.01
73	Carbazole	40.000	43.663	-9.2	80	0.00
74	Di-n-butylphthalate	40.000	43.495	-8.7	80	-0.01
75 C	Fluoranthene	40.000	46.442	-16.1	86	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzidine	40.000	39.706	0.7	79	0.00
78	Pyrene	40.000	36.091	9.8	89	-0.01
79 S	Terphenyl-d14	80.000	75.722	5.3	94	-0.01
80	Butylbenzylphthalate	40.000	40.003	-0.0	97	-0.01
81	Benzo(a)anthracene	40.000	37.039	7.4	91	-0.01
82	3,3'-Dichlorobenzidine	40.000	37.342	6.6	89	-0.01
83	Chrysene	40.000	39.150	2.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	41.225	-3.1	101	-0.01
85 c	Di-n-octyl phthalate	40.000	40.161	-0.4	98	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	73	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	40.413	-1.0	76	-0.03
88	Benzo(b)fluoranthene	40.000	40.568	-1.4	83	-0.02
89	Benzo(k)fluoranthene	40.000	43.621	-9.1	82	-0.02
90 C	Benzo(a)pyrene	40.000	41.076	-2.7	79	-0.02
91	Dibenzo(a,h)anthracene	40.000	40.648	-1.6	76	-0.04
92	Benzo(g,h,i)perylene	40.000	39.851	0.4	75	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 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



QC SAMPLE DATA

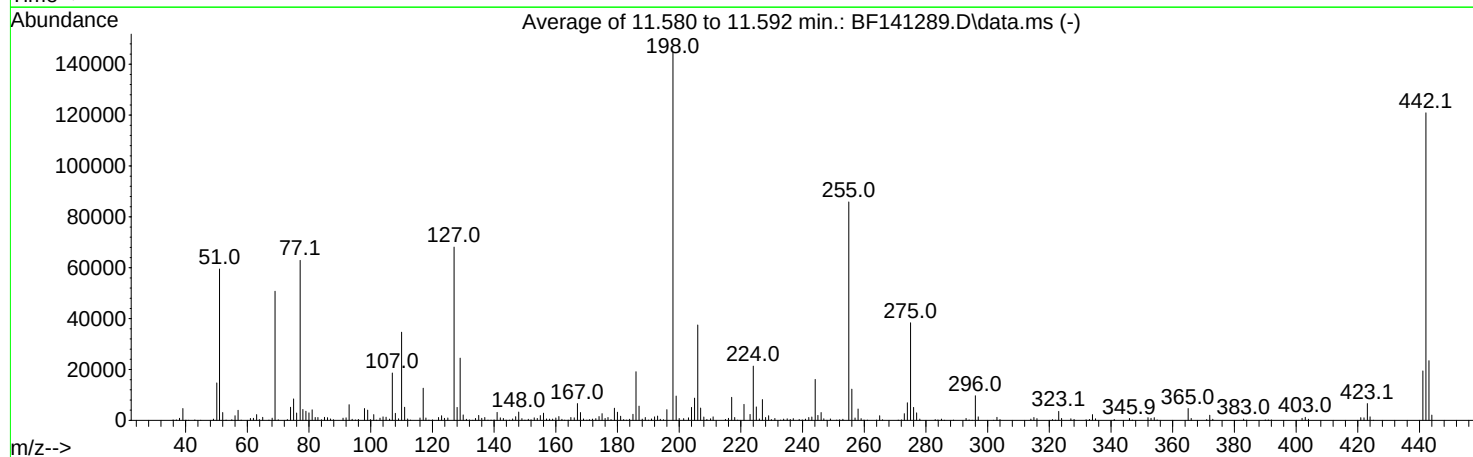
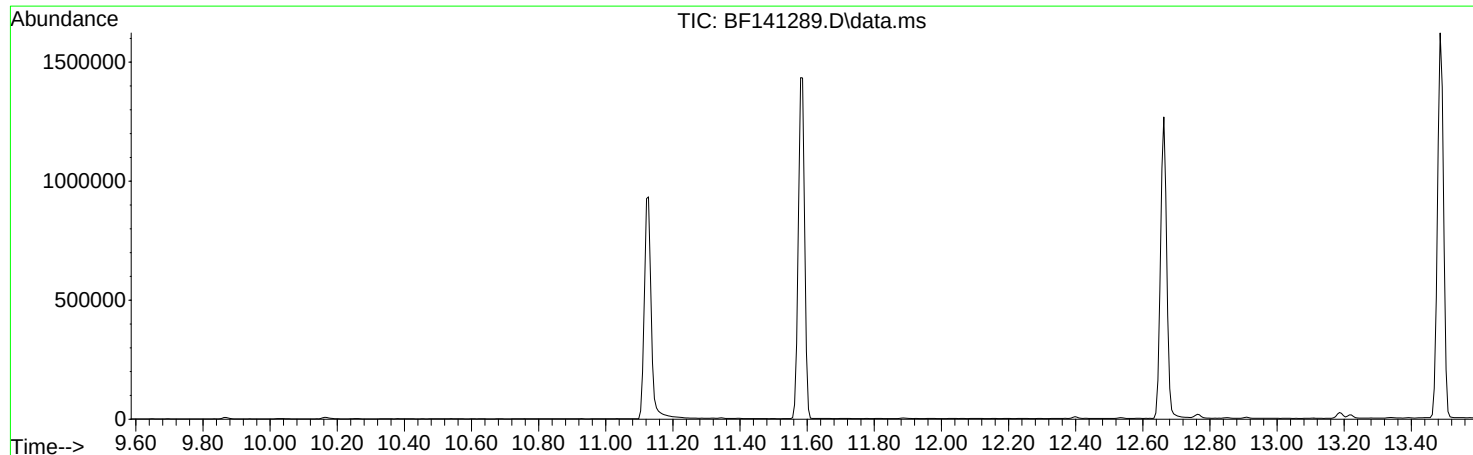
- 1
- 2
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- 16
- 17

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

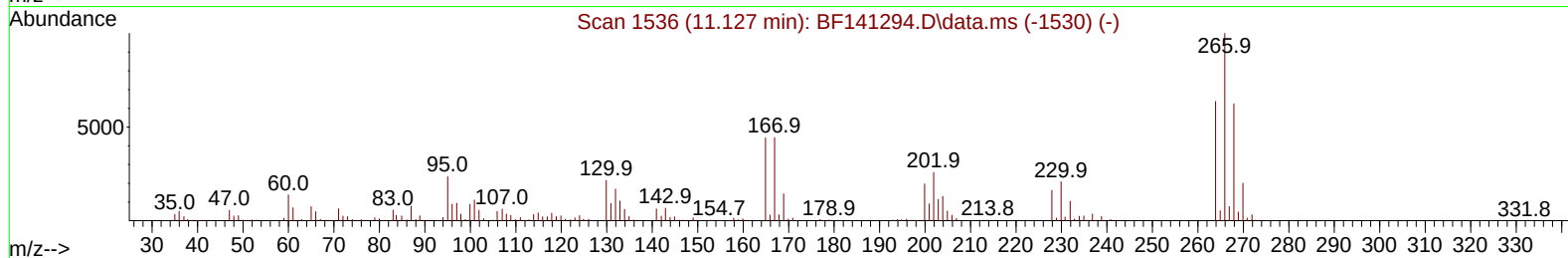
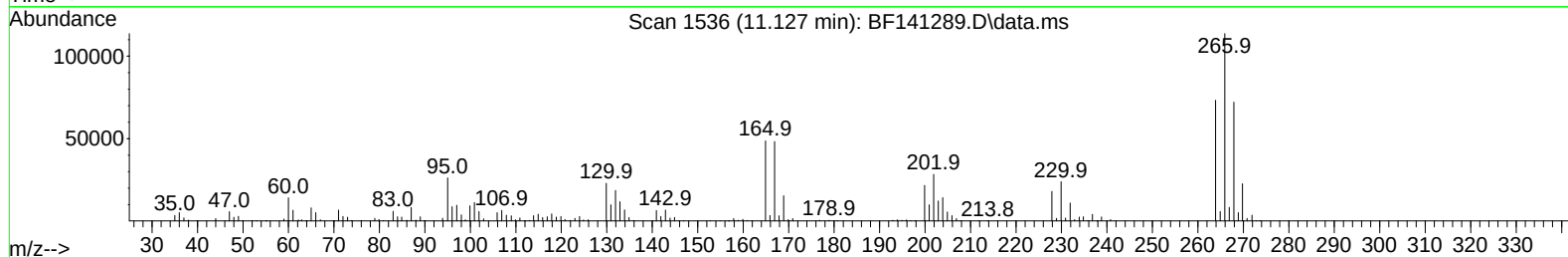
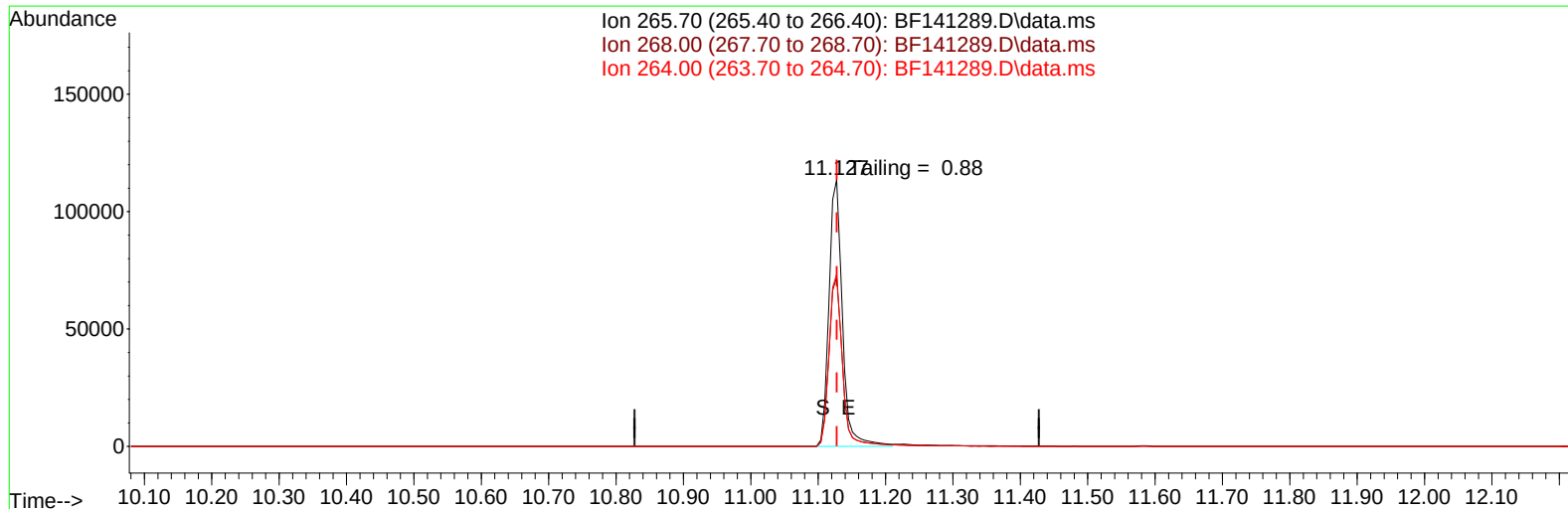
DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	<u>BF141289.D</u>
Compound Name	Response	Retention Time
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12170	419607	2.90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

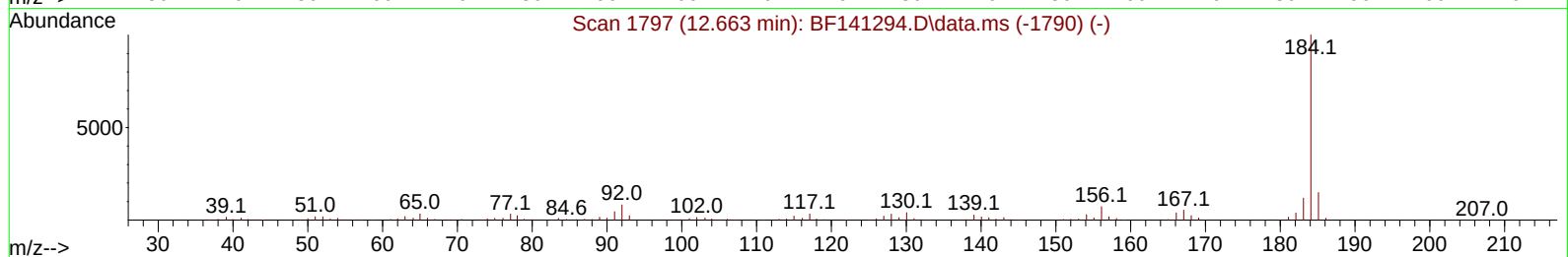
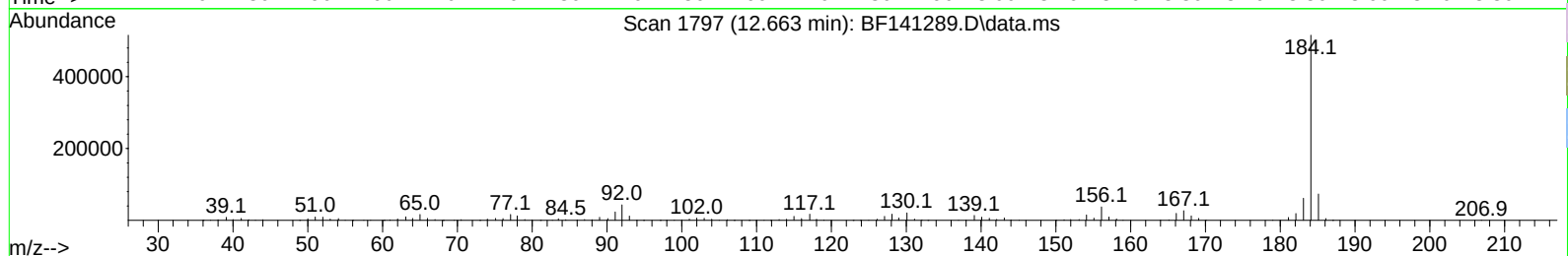
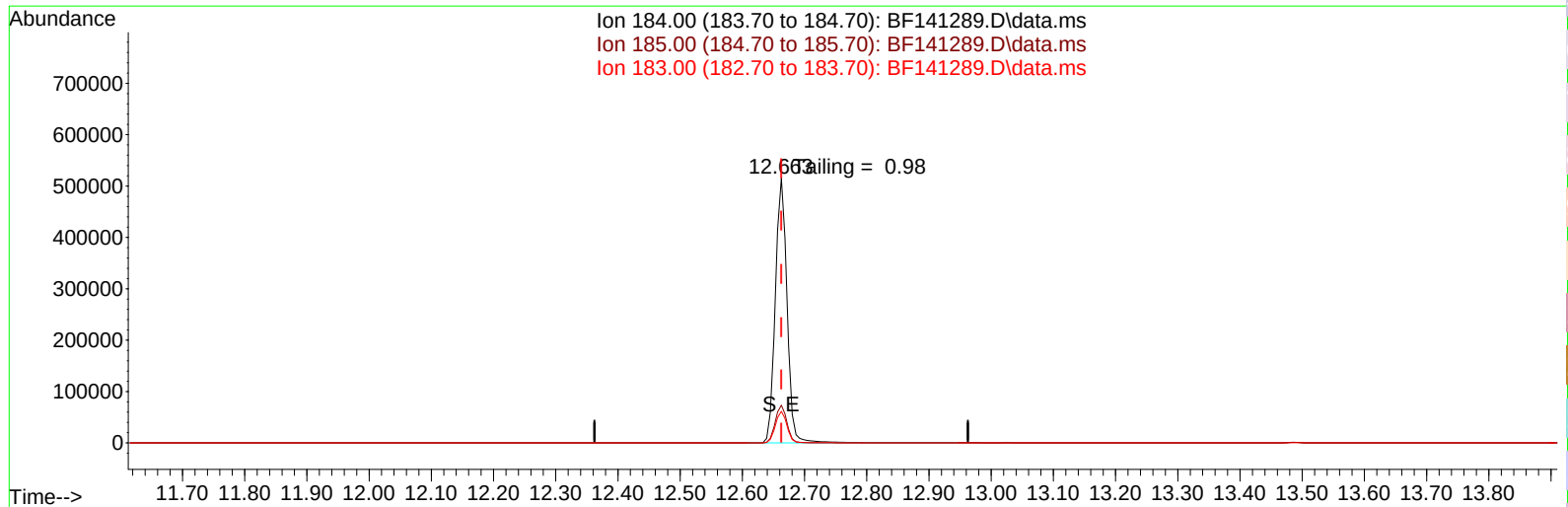
response 157302

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

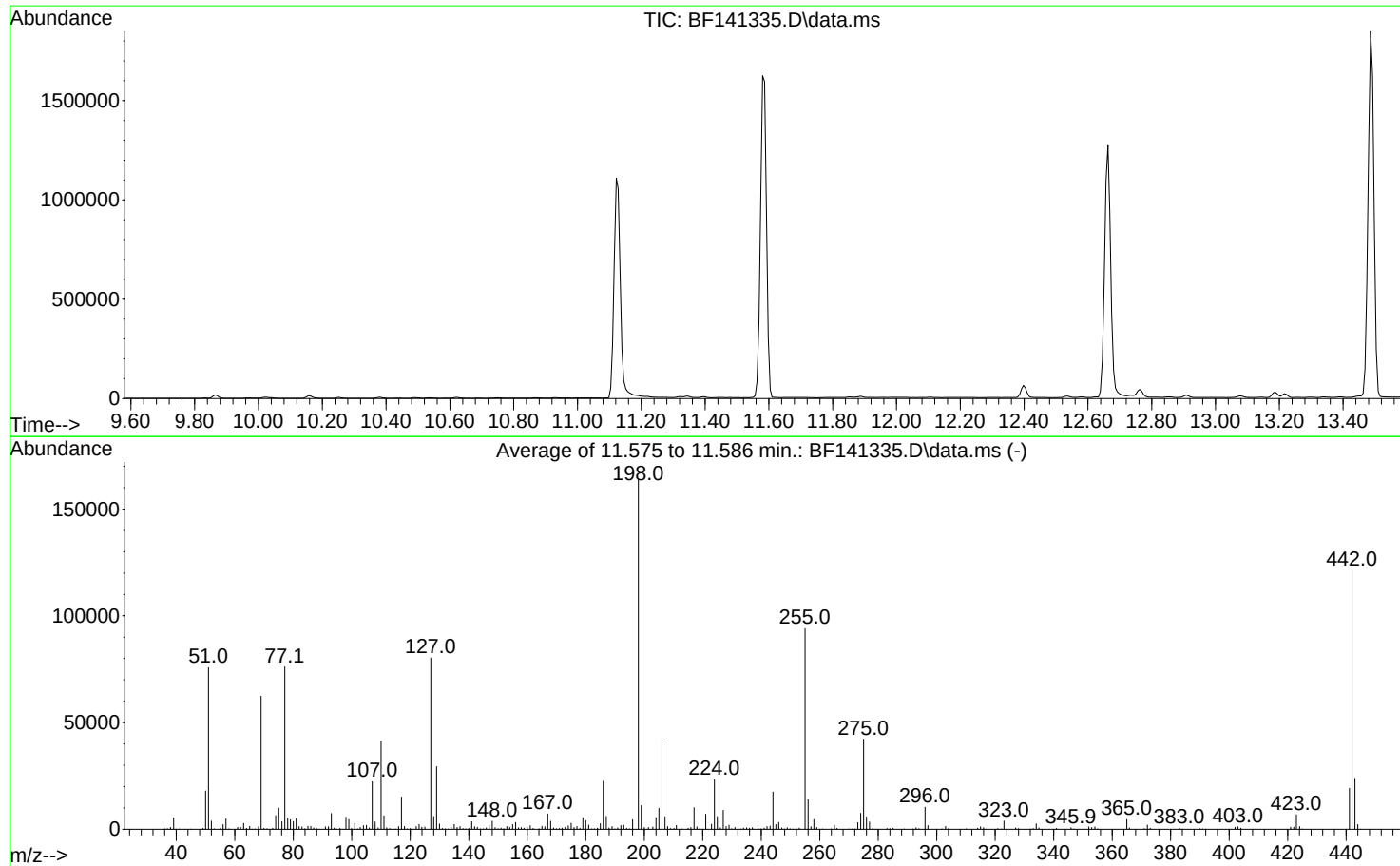
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

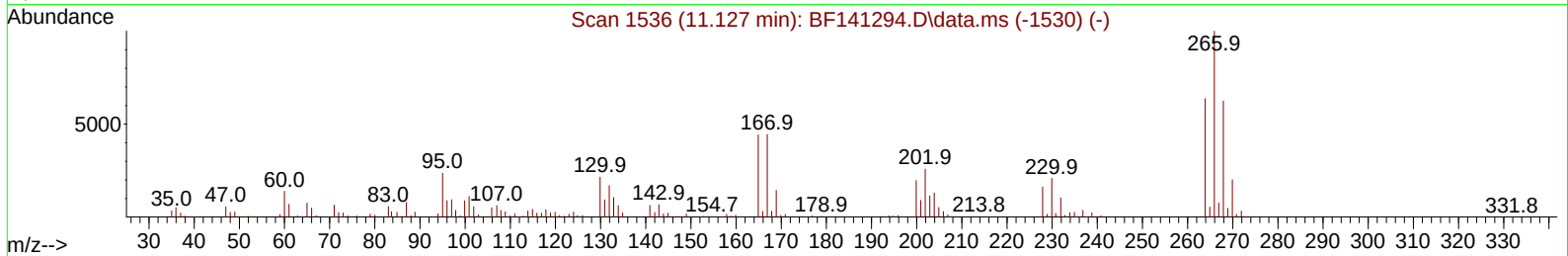
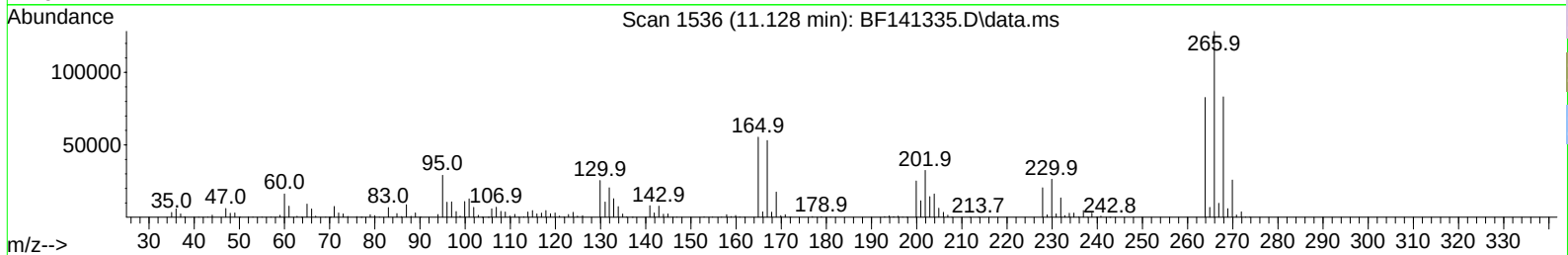
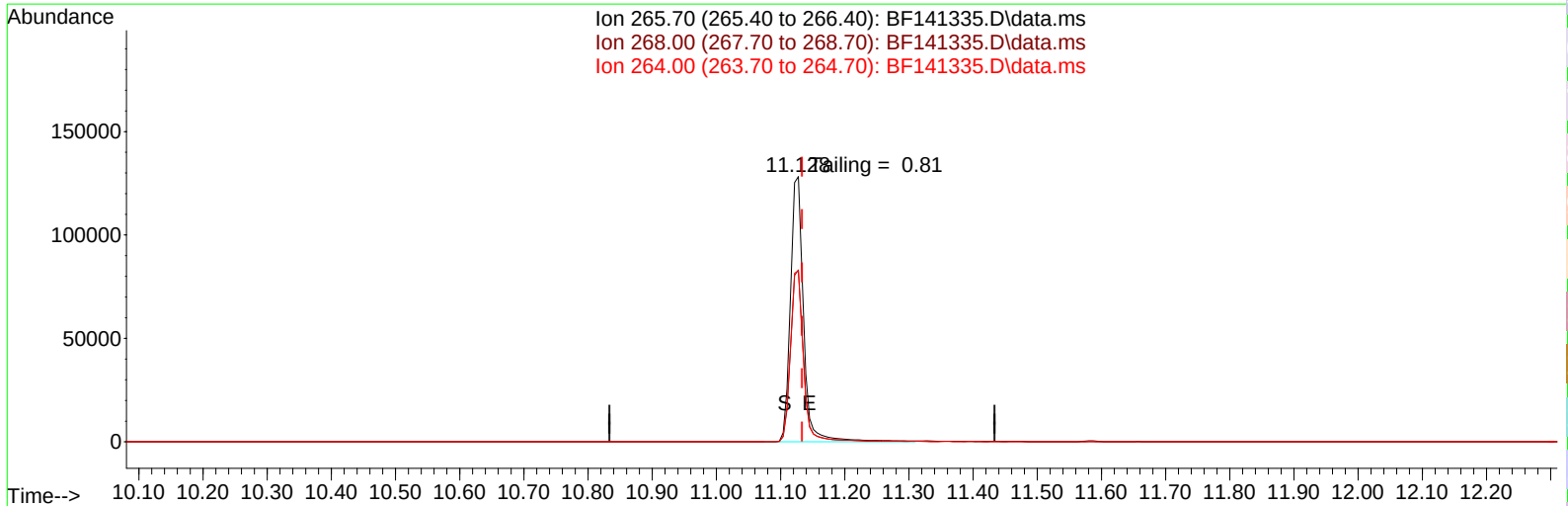
DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	<u>BF141335.D</u>
Compound Name	Response	Retention Time
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12956	477915	2.71

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

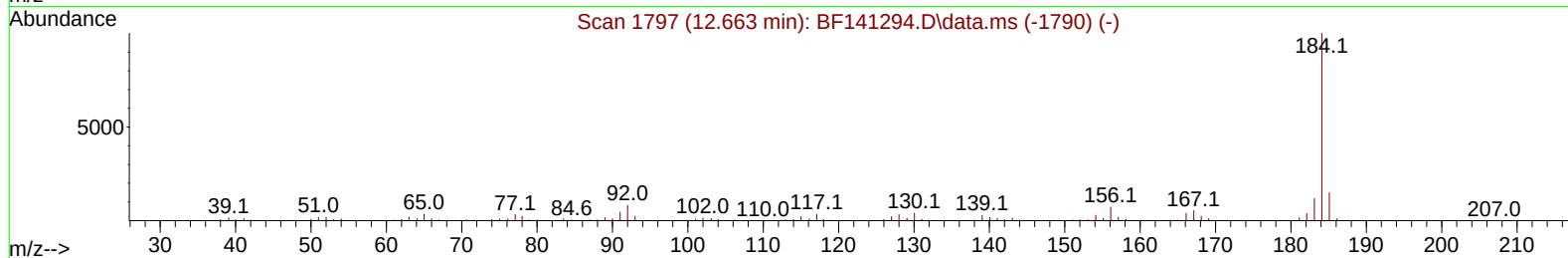
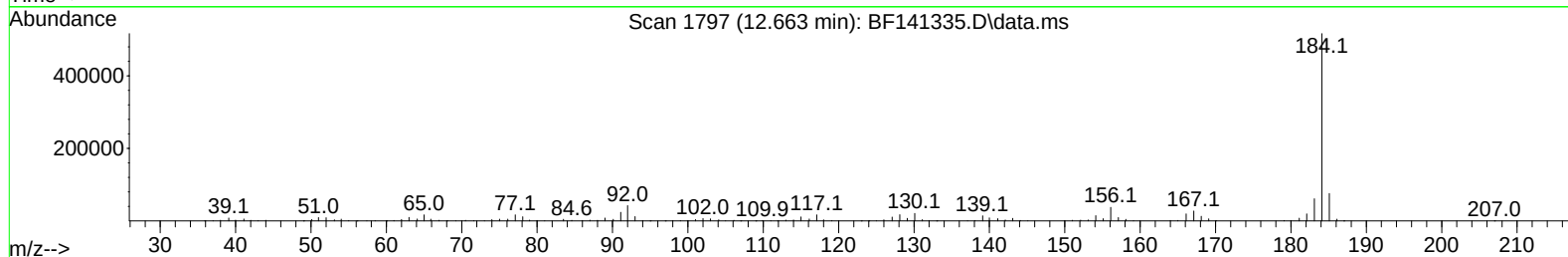
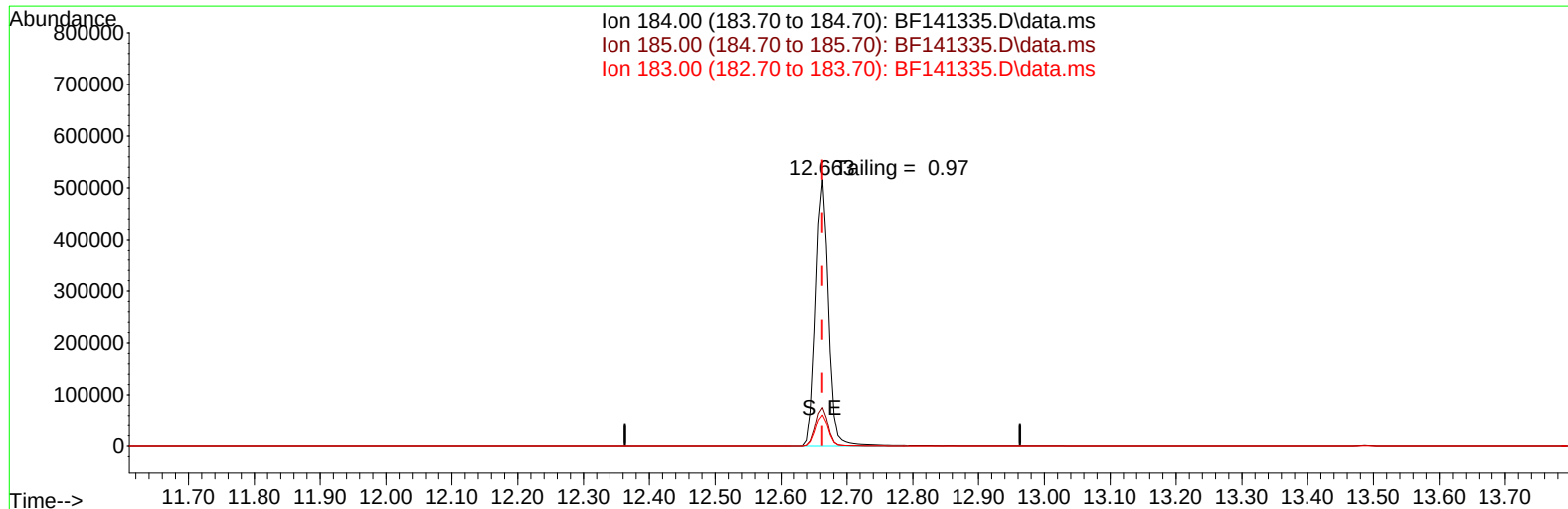
response 183922

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

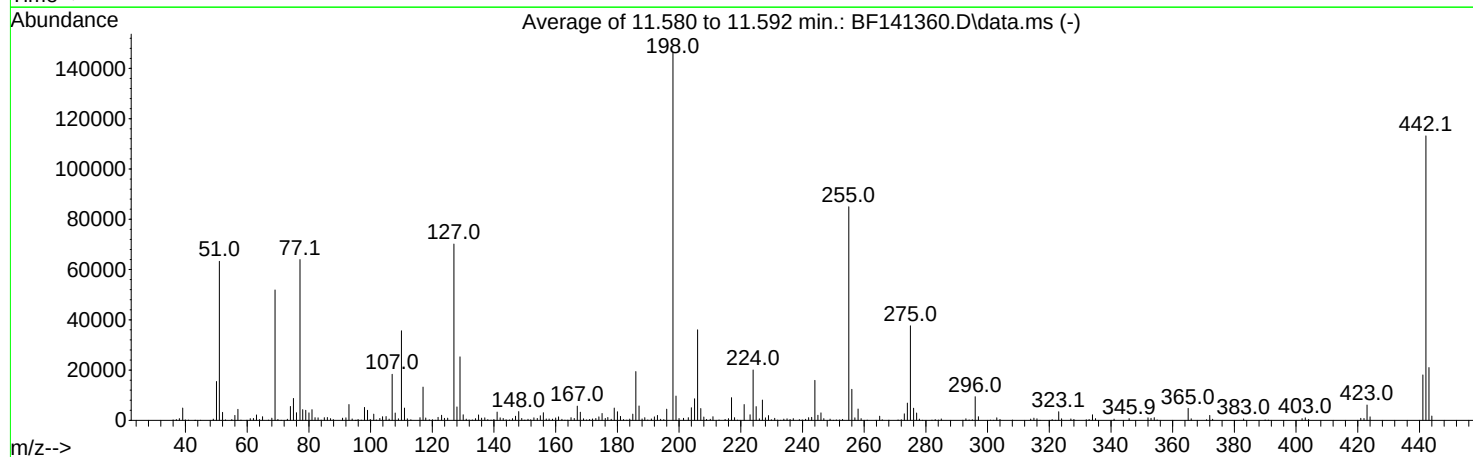
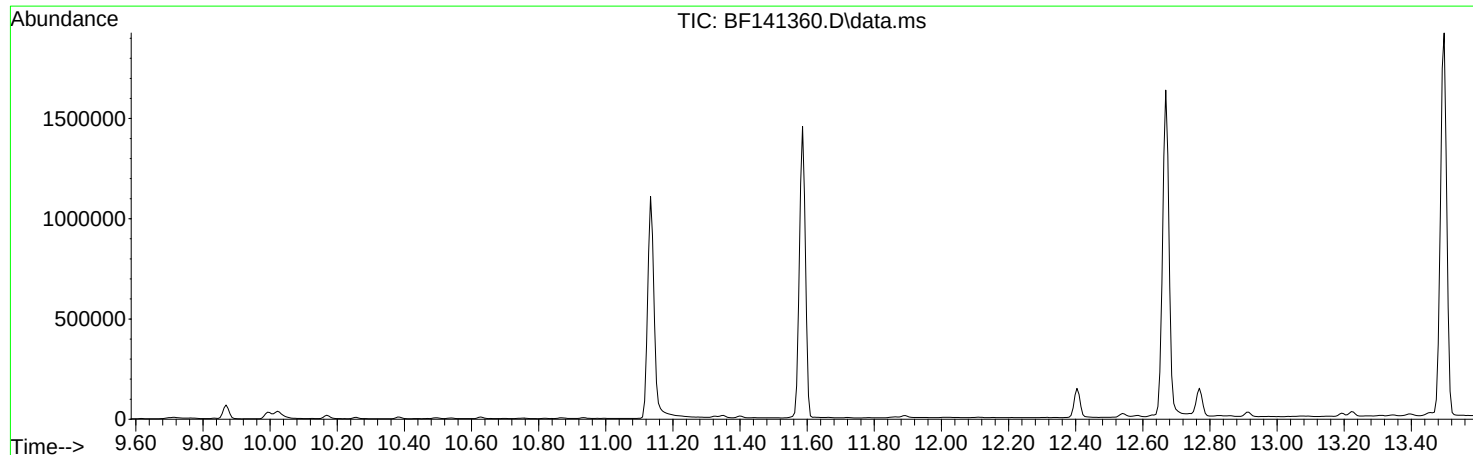
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	63285	PASS
68	69	0.00	2	1.7	900	PASS
69	198	0.00	100	35.5	51895	PASS
70	69	0.00	2	0.7	361	PASS
127	198	10	80	47.9	70147	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146336	PASS
199	198	5	9	6.6	9686	PASS
275	198	10	60	25.7	37640	PASS
365	198	1	100	3.2	4754	PASS
441	198	0.01	100	12.3	18072	PASS
442	442	50	100	100.0	113157	PASS
443	442	15	24	18.6	21030	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

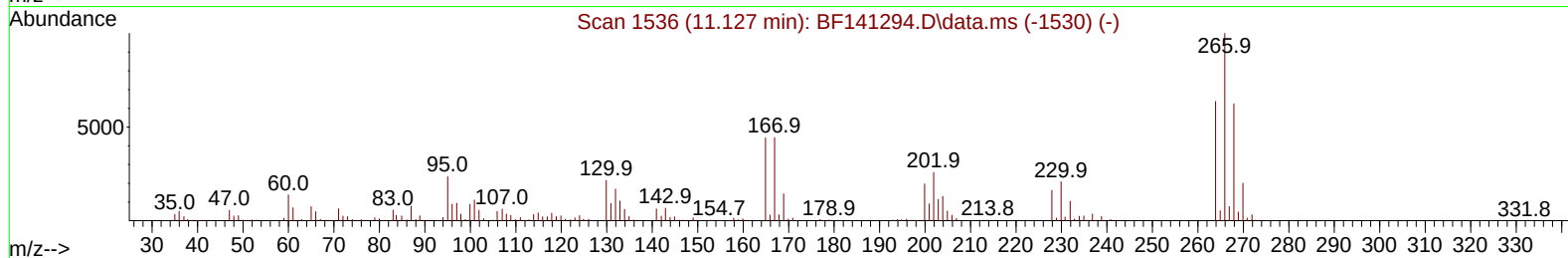
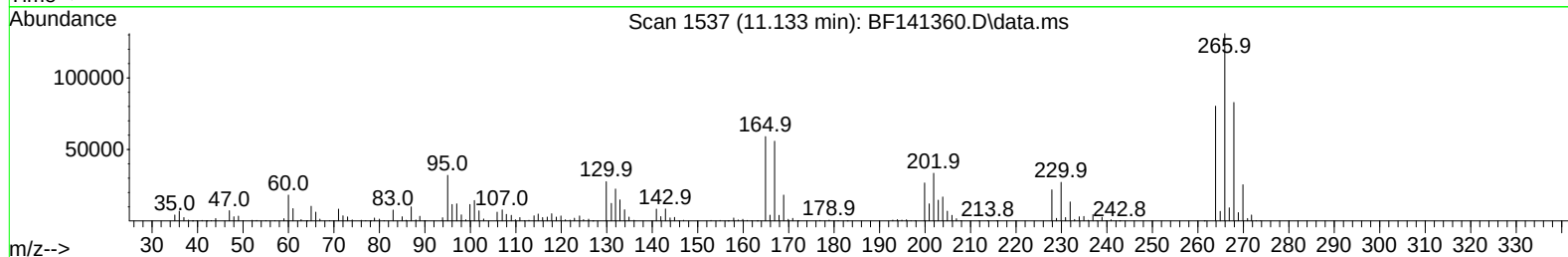
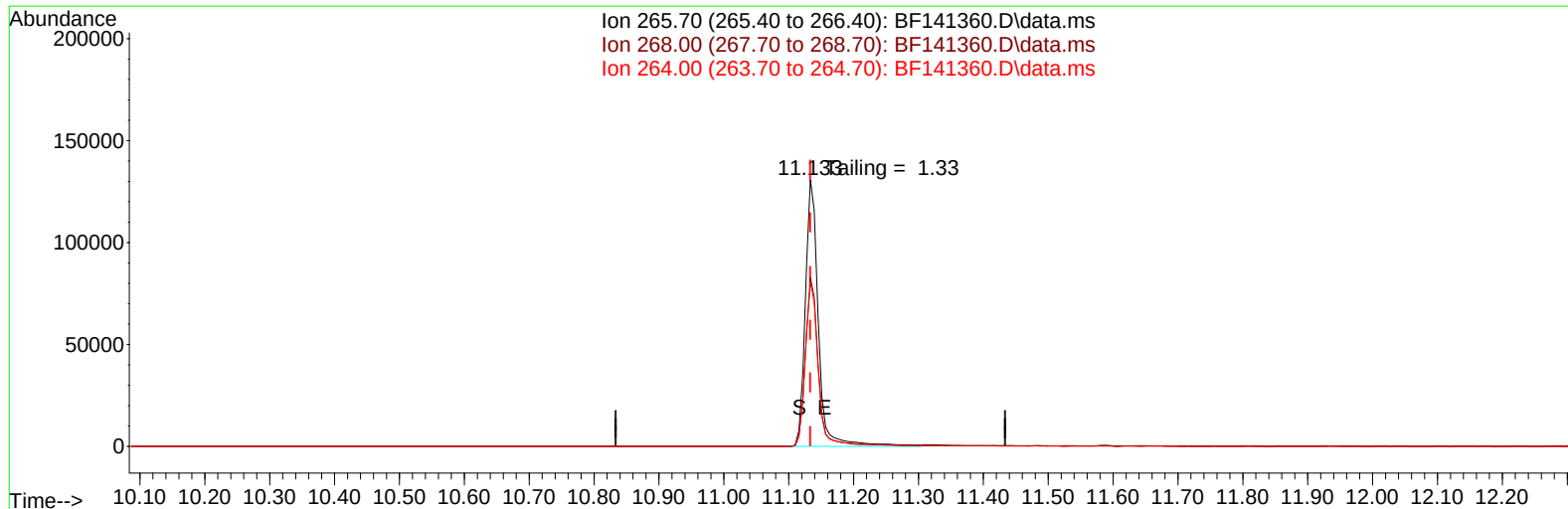
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	<u>BF141360.D</u>
Compound Name	Response	Retention Time
DDT	493977	13.498
DDD	9683	13.221
DDE	491	12.857
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10174	504151	2.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(70) Pentachlorophenol (C)

11.133min (-0.000) 6278.82 ng

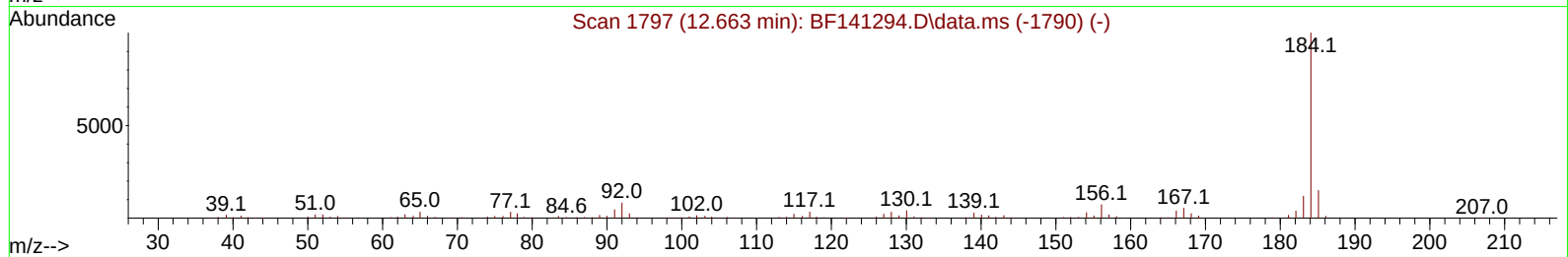
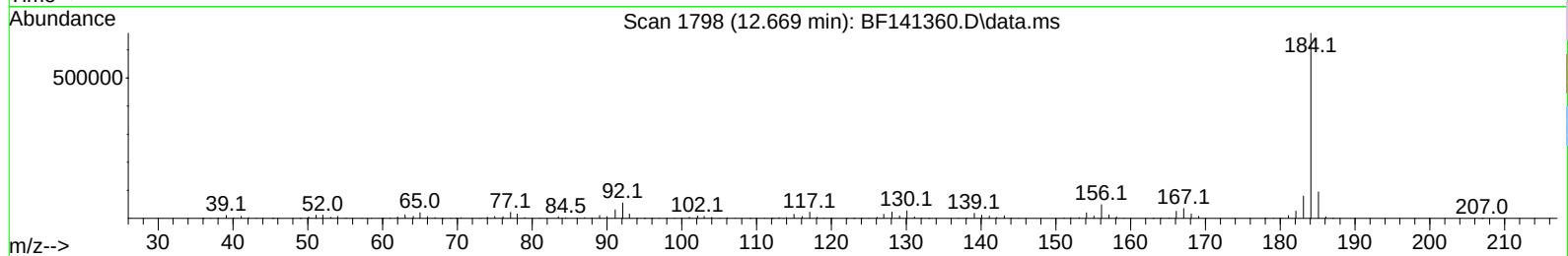
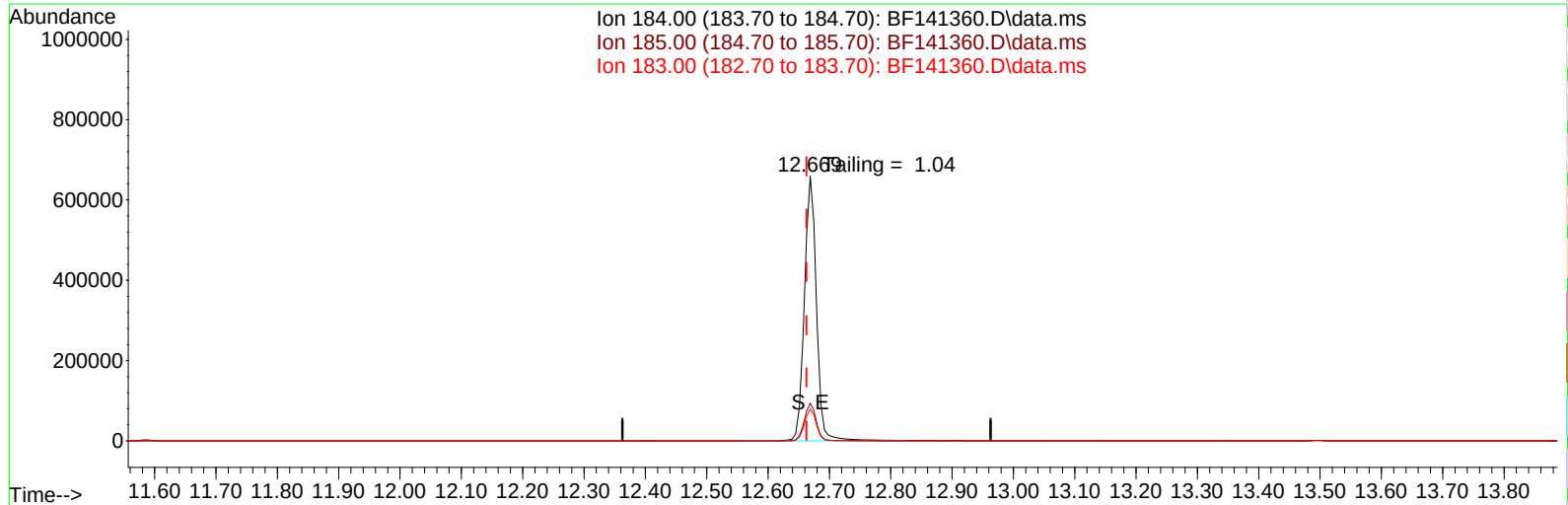
response 185394

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.32
264.00	63.70	61.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(77) Benzidine

12.669min (+ 0.006) 7483.96 ng

response 909791

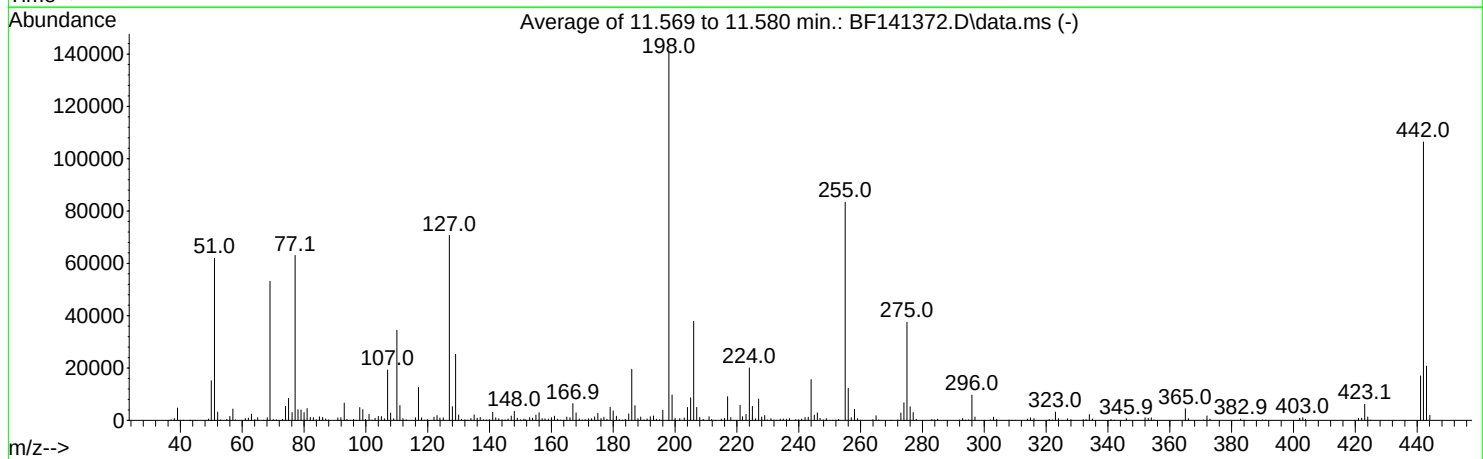
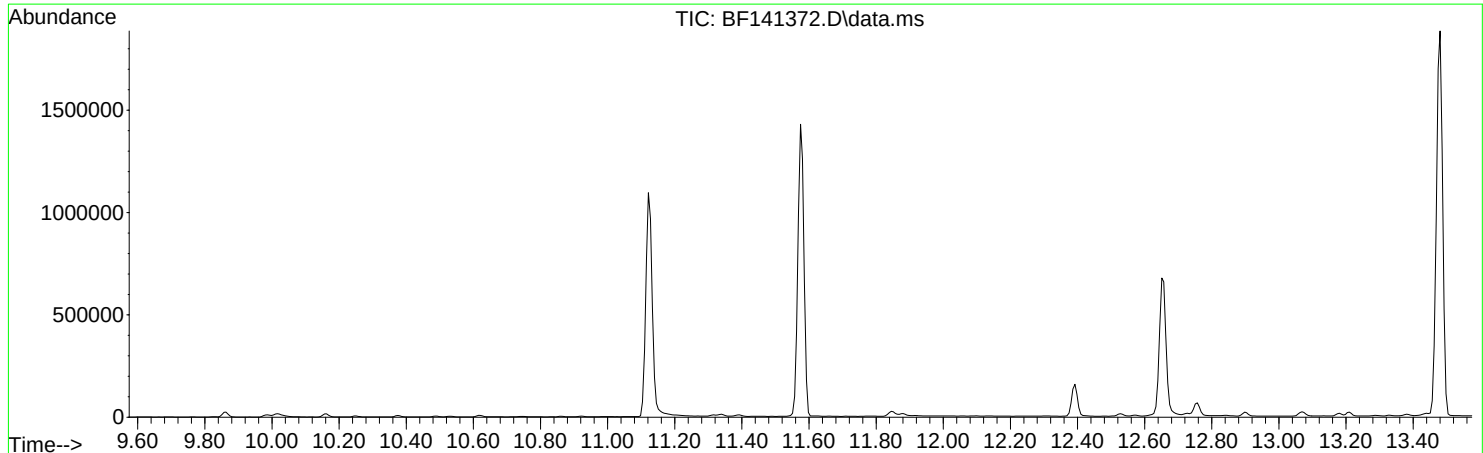
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.28
183.00	11.90	12.04
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.1	61981	PASS
68	69	0.00	2	2.0	1060	PASS
69	198	0.00	100	37.8	53141	PASS
70	69	0.00	2	0.6	326	PASS
127	198	10	80	50.3	70667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	140589	PASS
199	198	5	9	6.9	9756	PASS
275	198	10	60	26.7	37523	PASS
365	198	1	100	3.2	4469	PASS
441	198	0.01	100	12.1	17032	PASS
442	442	50	100	100.0	106389	PASS
443	442	15	24	19.5	20710	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

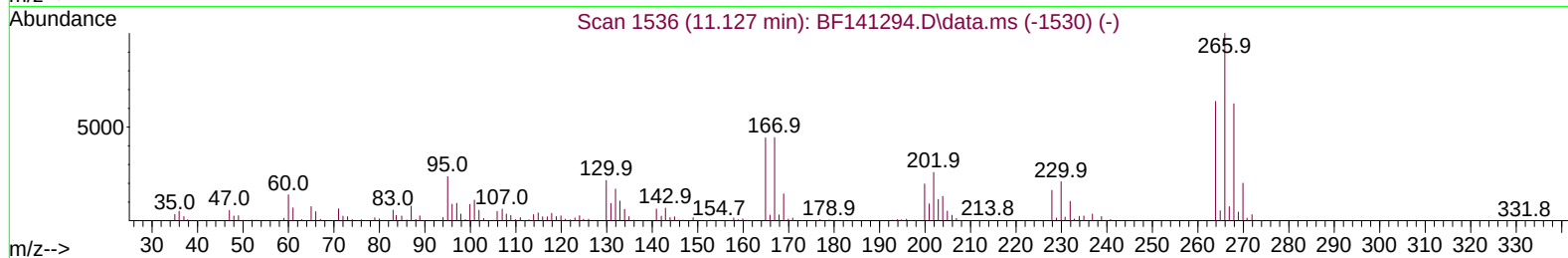
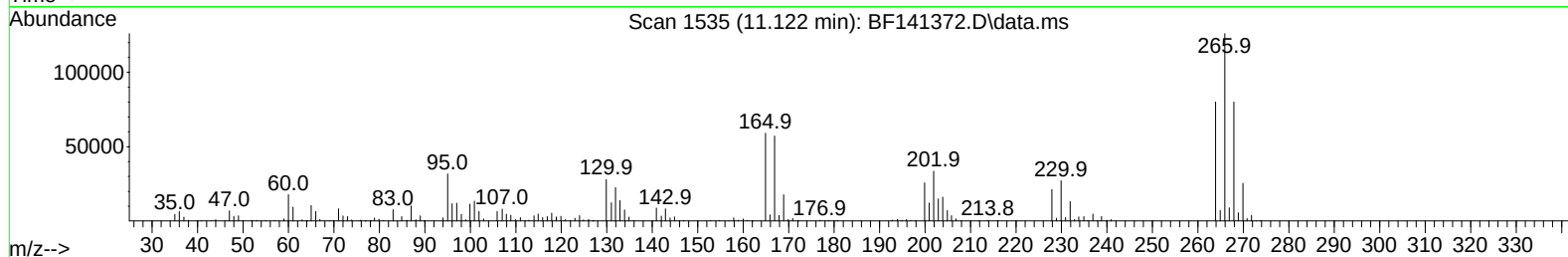
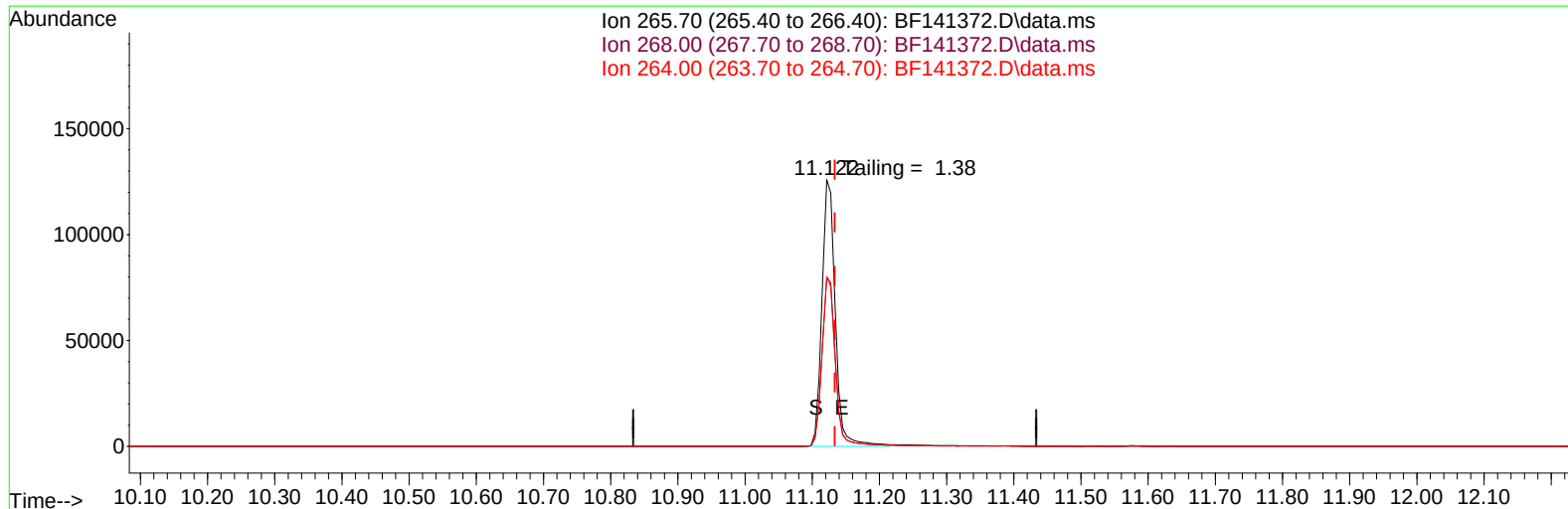
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	<u>BF141372.D</u>
Compound Name	Response	Retention Time
DDT	484680	13.48
DDD	8749	13.21
DDE	790	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9539	494219	1.93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141372.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 6372.12 ng

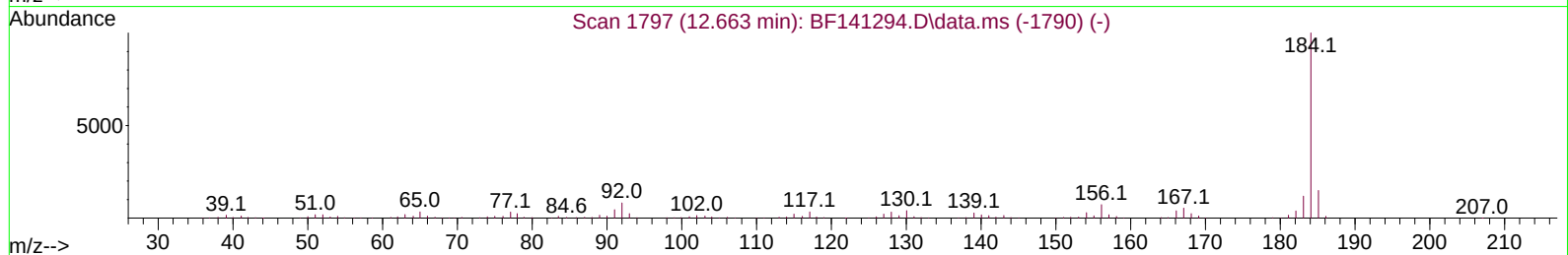
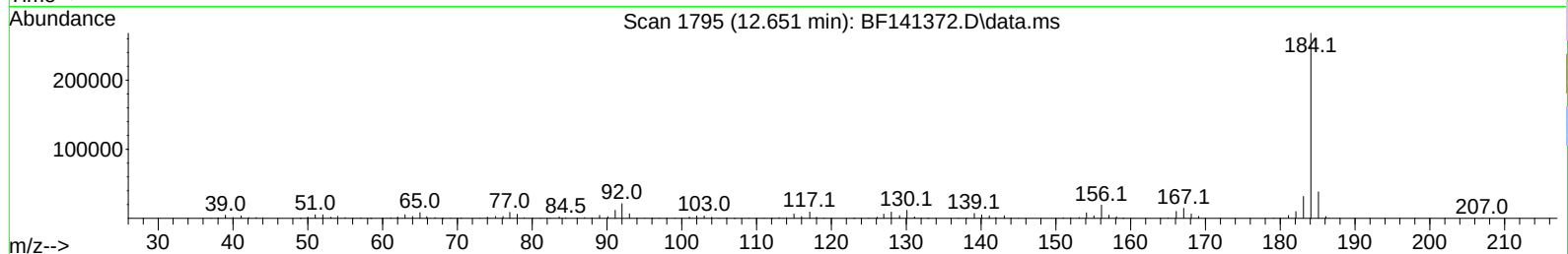
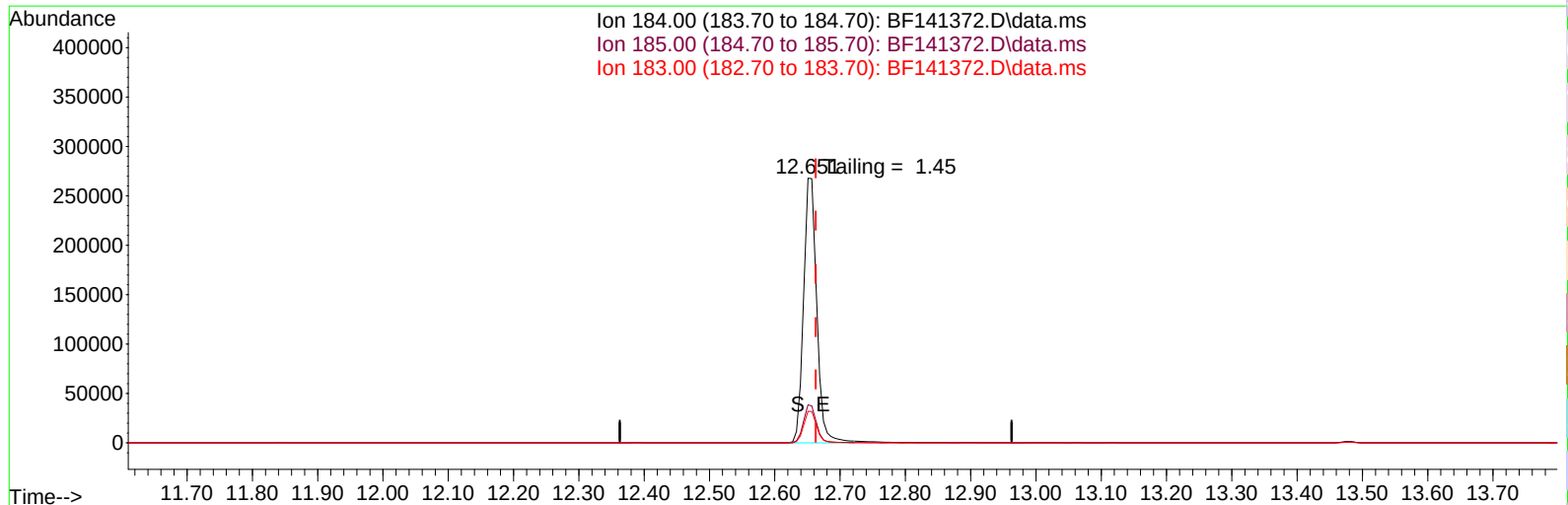
response 175387

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.54
264.00	63.70	63.51
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141372.D\data.ms

(77) Benzidine

12.651min (-0.012) 4251.31 ng

response 379432

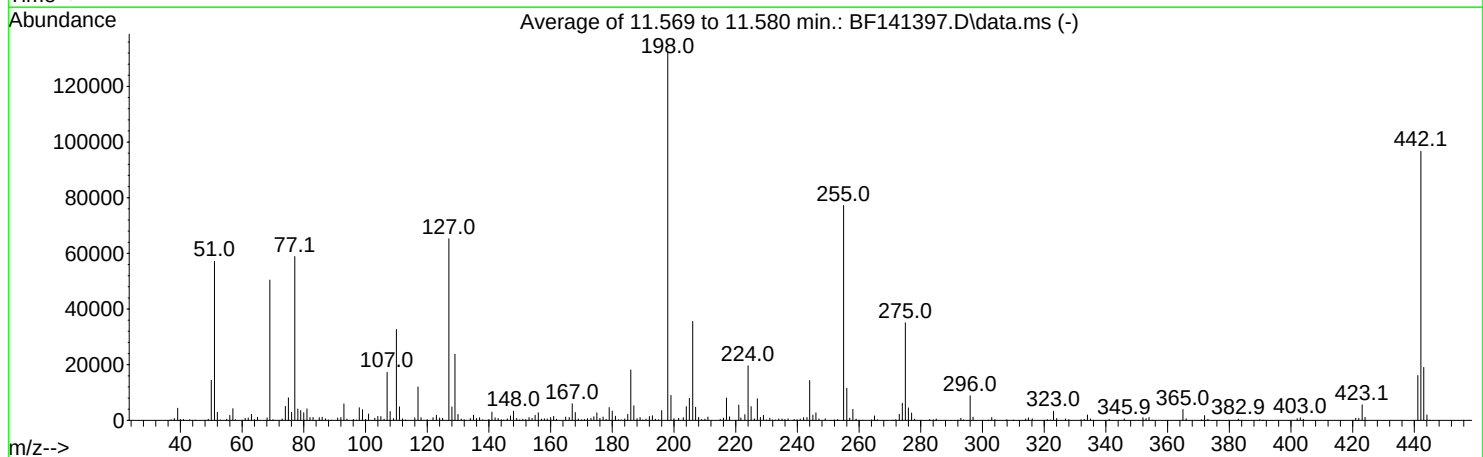
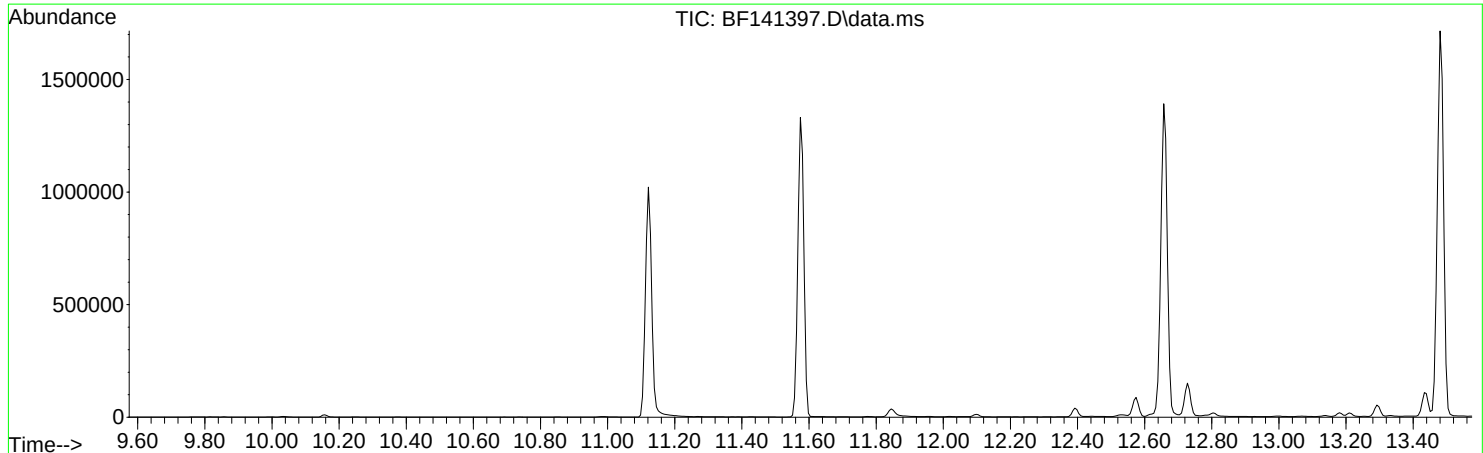
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.36
183.00	11.90	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.3	57171	PASS
68	69	0.00	2	1.9	947	PASS
69	198	0.00	100	38.1	50408	PASS
70	69	0.00	2	0.6	288	PASS
127	198	10	80	49.4	65259	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	132187	PASS
199	198	5	9	6.8	8986	PASS
275	198	10	60	26.5	35069	PASS
365	198	1	100	3.0	3931	PASS
441	198	0.01	100	12.2	16076	PASS
442	442	50	100	100.0	96717	PASS
443	442	15	24	19.7	19012	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

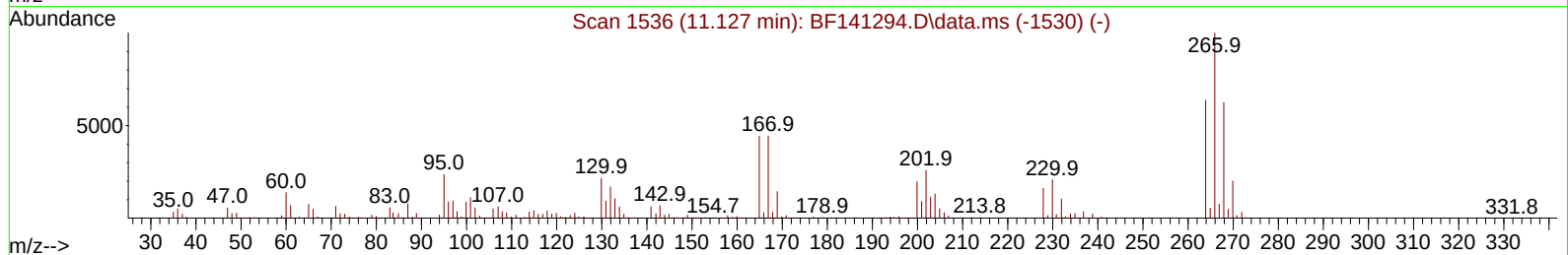
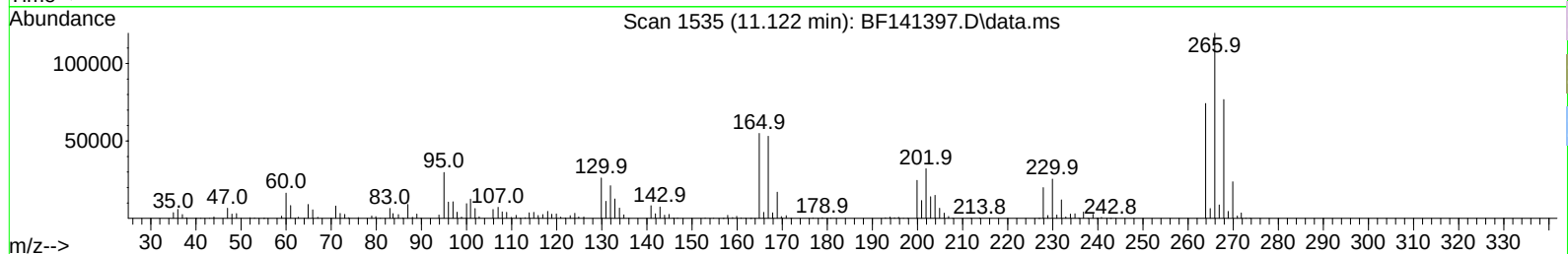
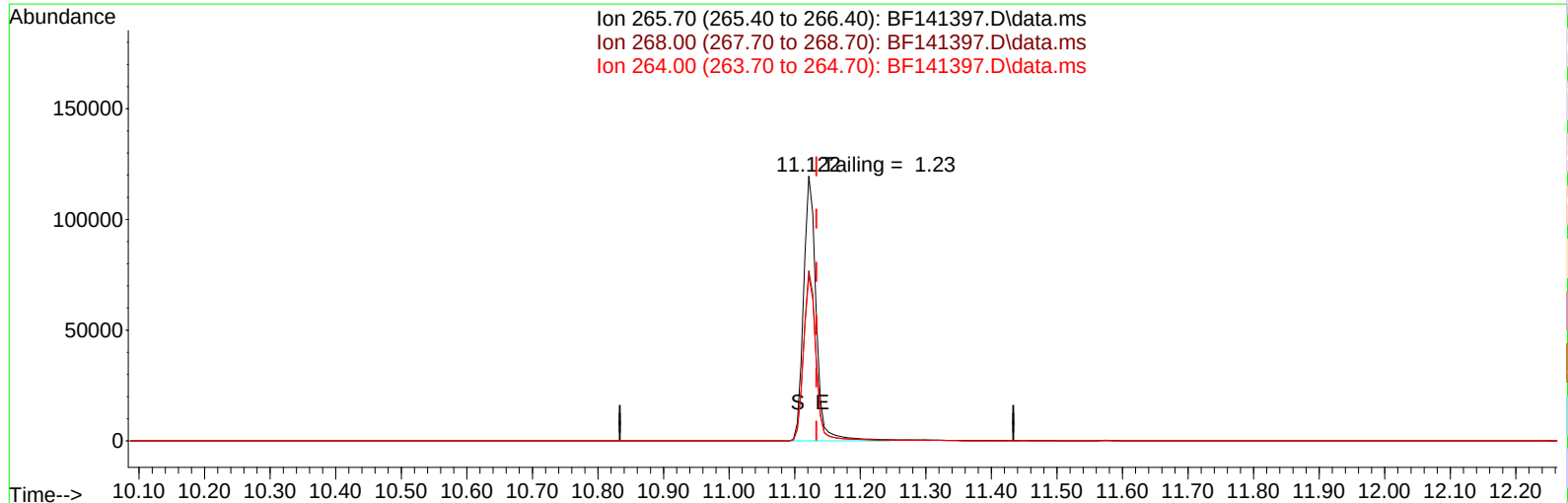
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	<u>BF141397.D</u>
Compound Name	Response	Retention Time
DDT	430190	13.48
DDD	8939	13.18
DDE	241	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9180	439370	2.09

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 45312.00 ng

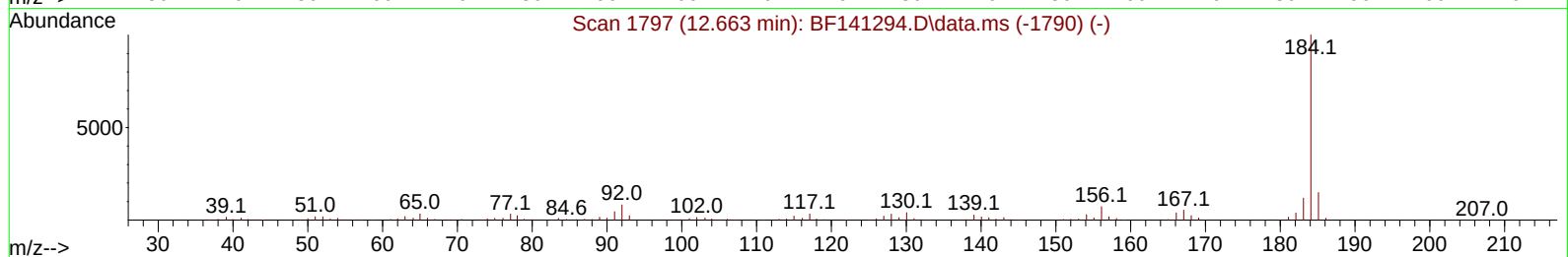
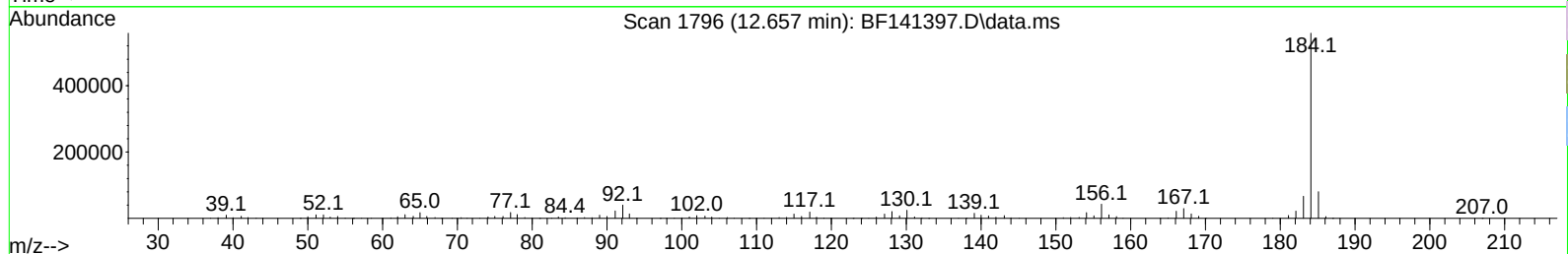
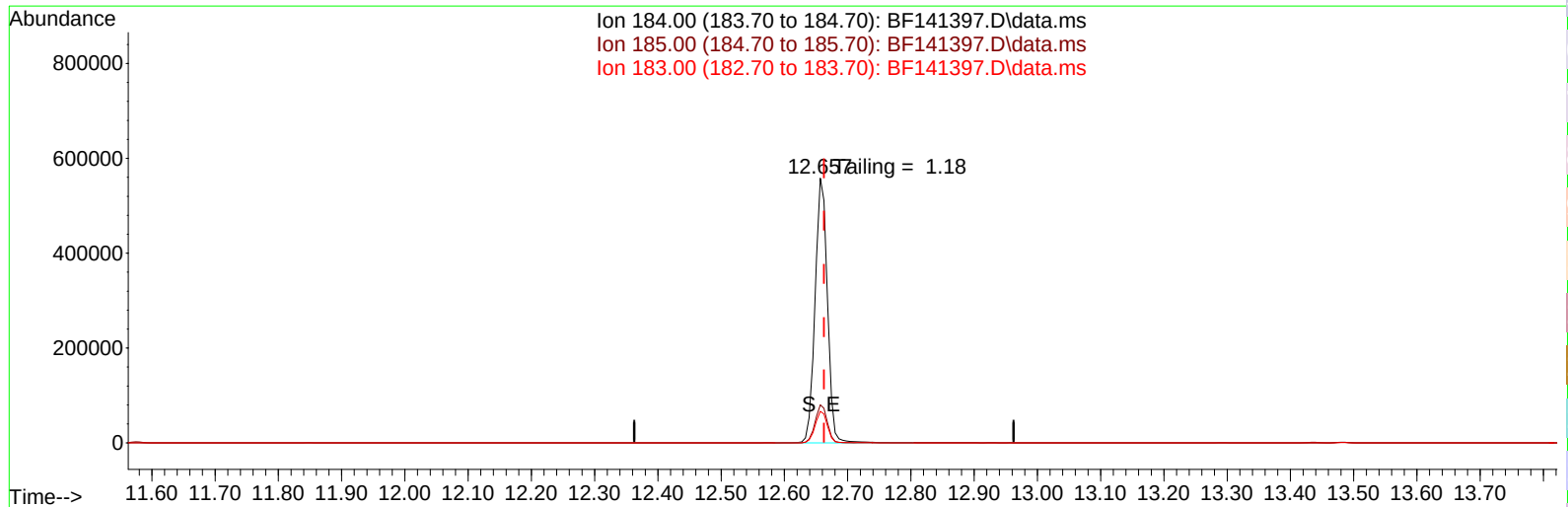
response 160702

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.23
264.00	63.70	62.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(77) Benzidine

12.657min (-0.006) 113140.91 ng

response 761695

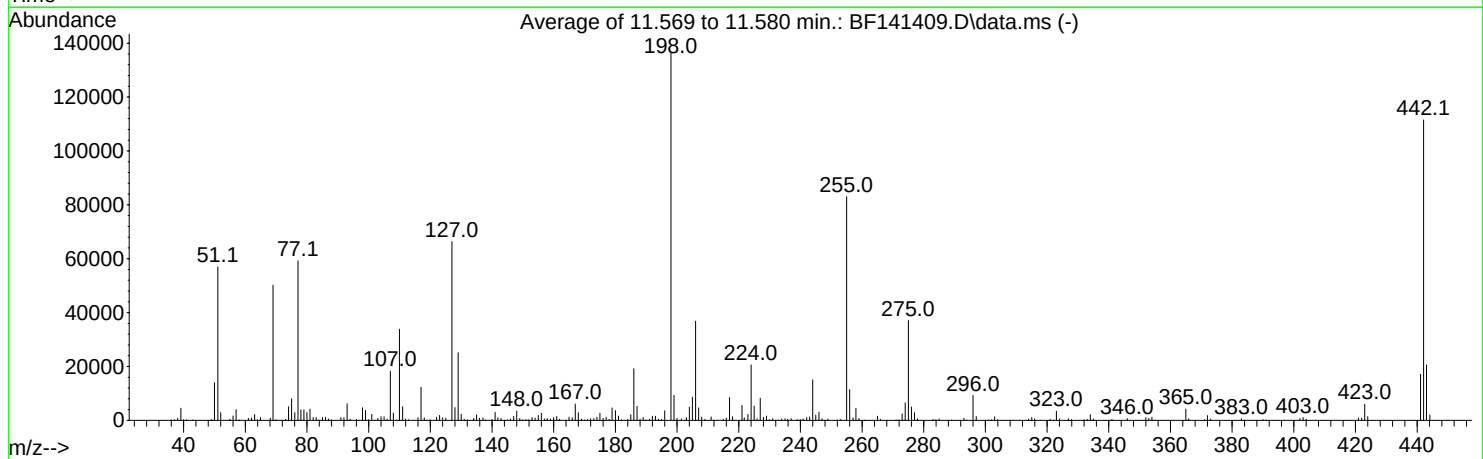
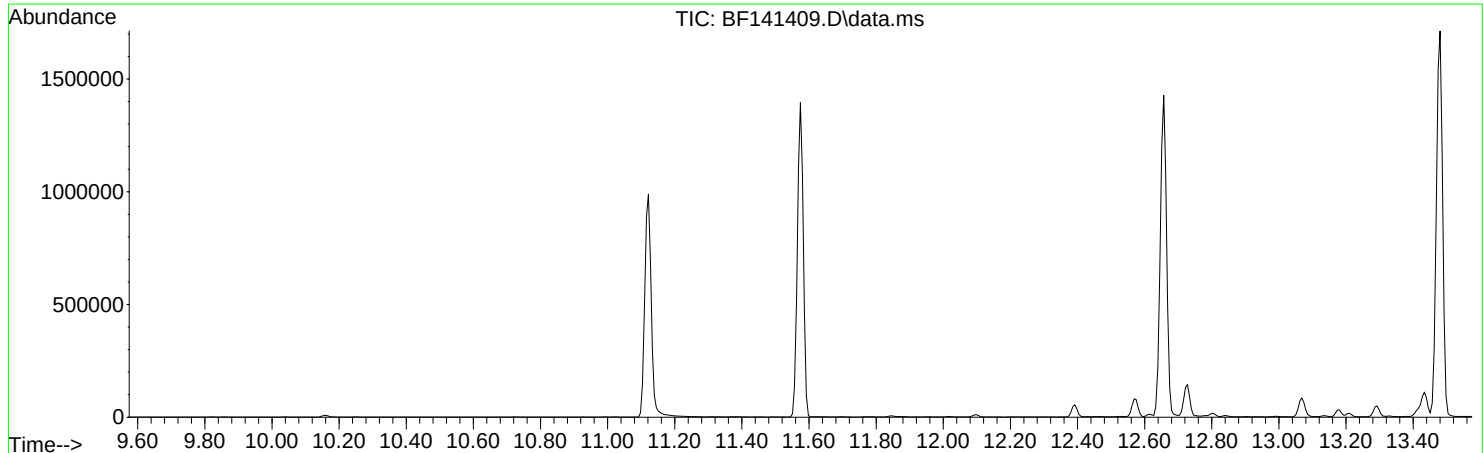
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.90	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	56976	PASS
68	69	0.00	2	1.7	844	PASS
69	198	0.00	100	36.7	50160	PASS
70	69	0.00	2	0.6	317	PASS
127	198	10	80	48.6	66312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	136541	PASS
199	198	5	9	6.8	9266	PASS
275	198	10	60	27.1	37069	PASS
365	198	1	100	3.1	4251	PASS
441	198	0.01	100	12.5	17108	PASS
442	442	50	100	100.0	111555	PASS
443	442	15	24	18.5	20620	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

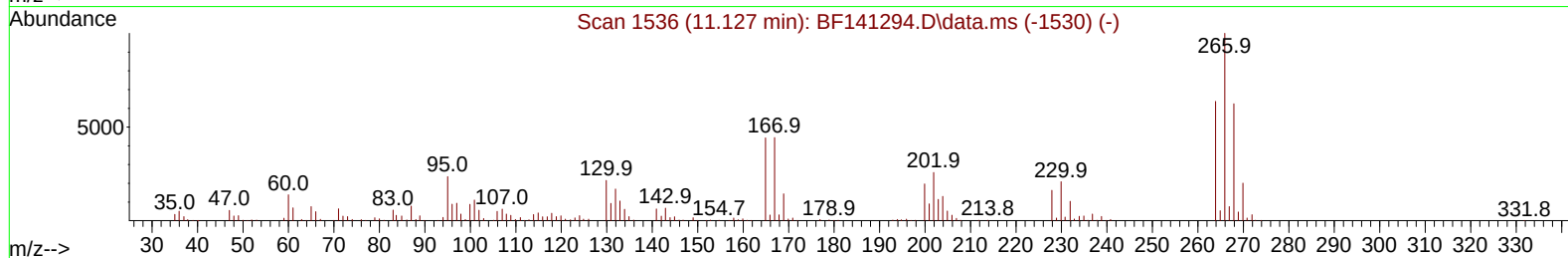
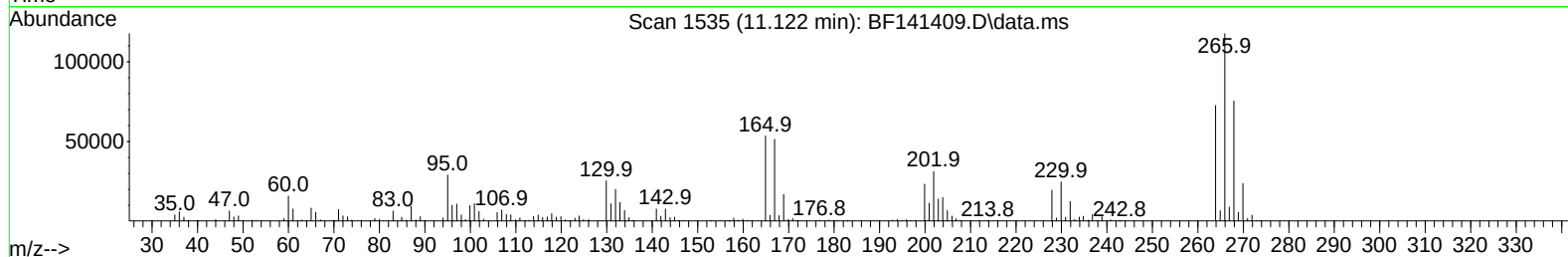
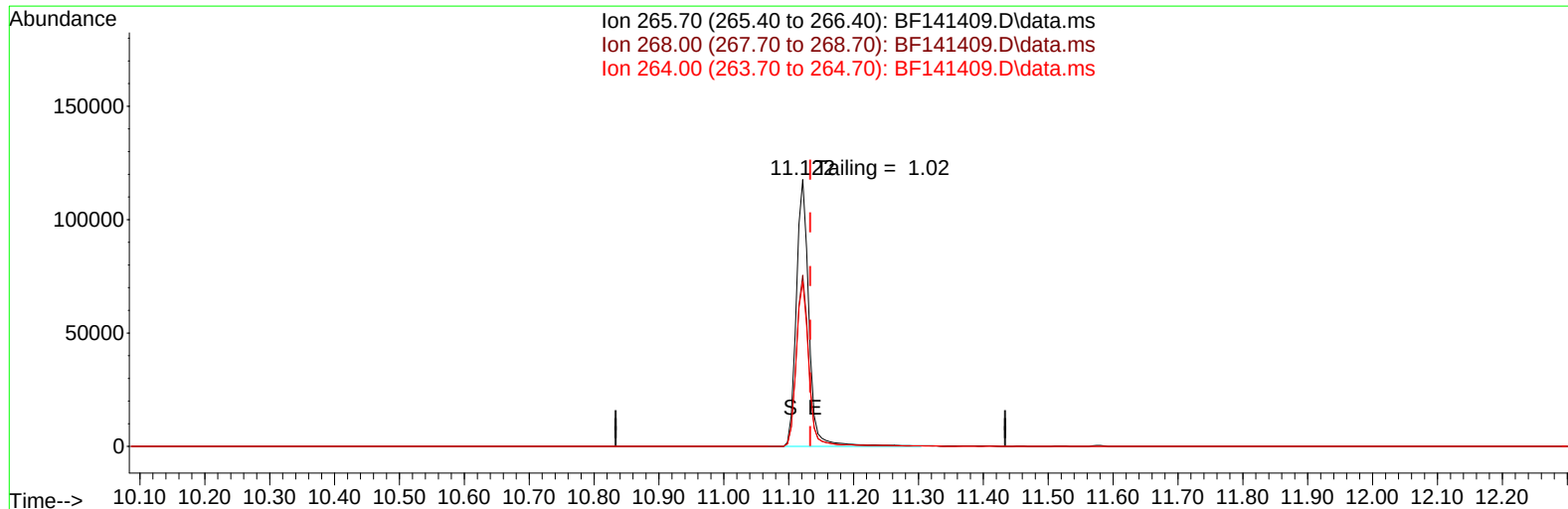
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	<u>BF141409.D</u>
Compound Name	Response	Retention Time
DDT	427881	13.48
DDD	13296	13.18
DDE	1486	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14782	442663	3.34

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141409.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 188004.57 ng

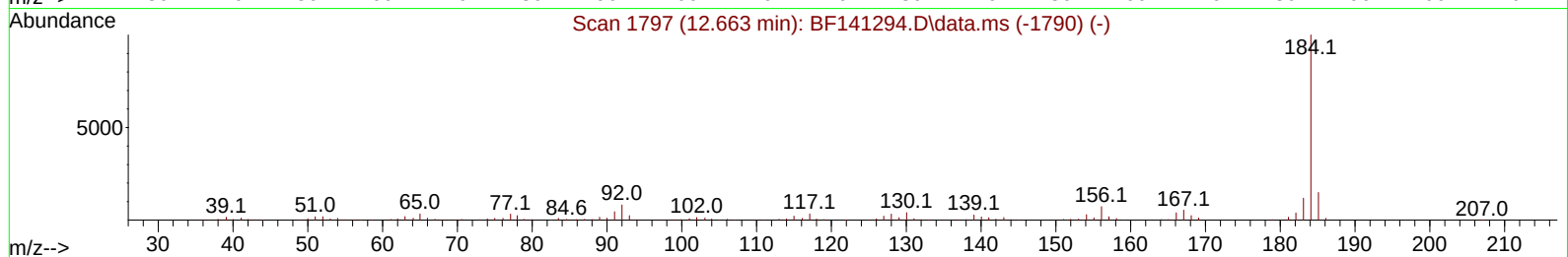
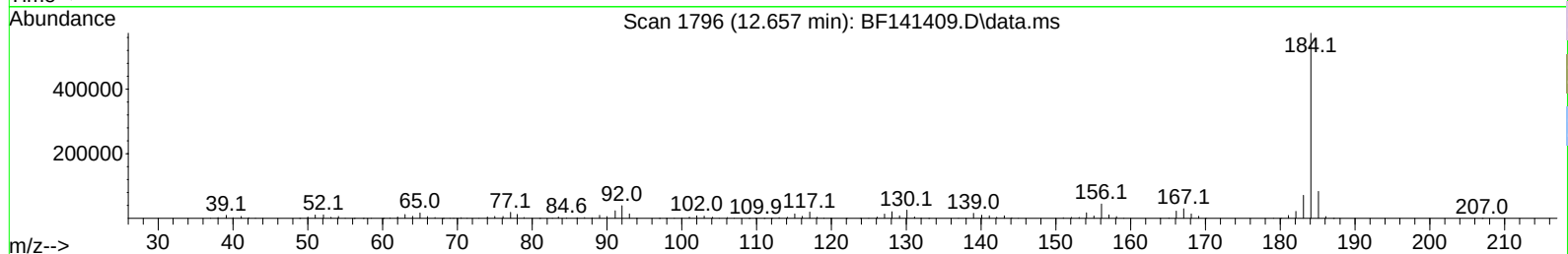
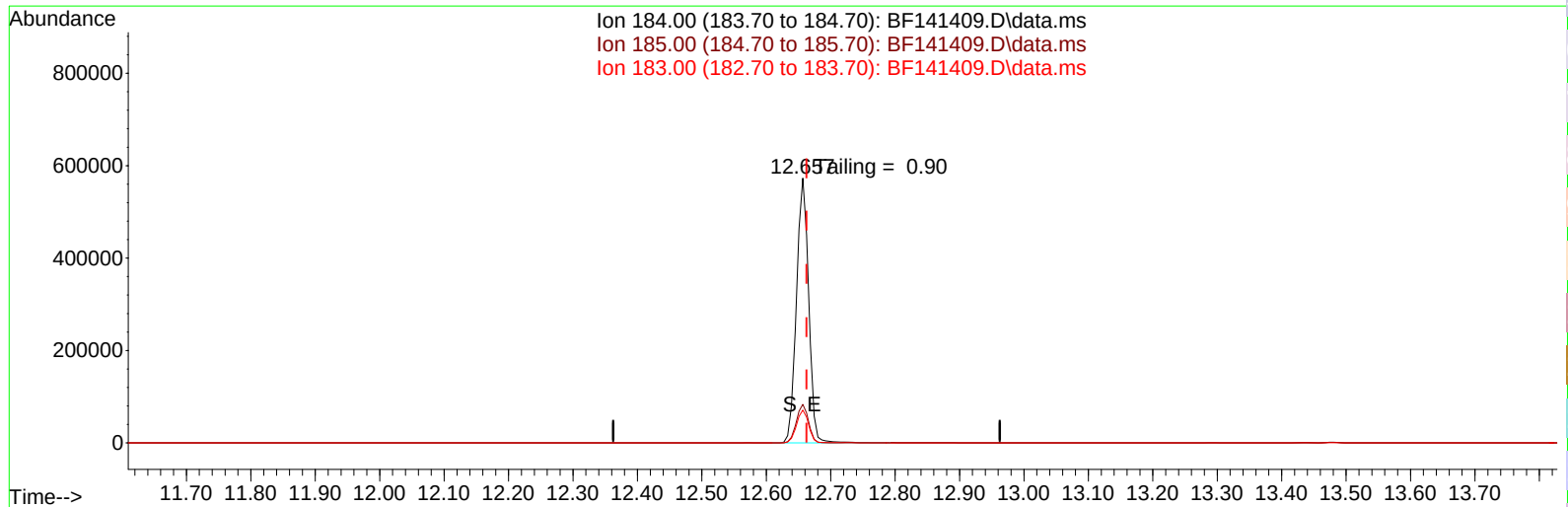
response 159502

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.16
264.00	63.70	61.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141409.D\data.ms

(77) Benzidine

12.657min (-0.006) 200133.30 ng m

response 757083

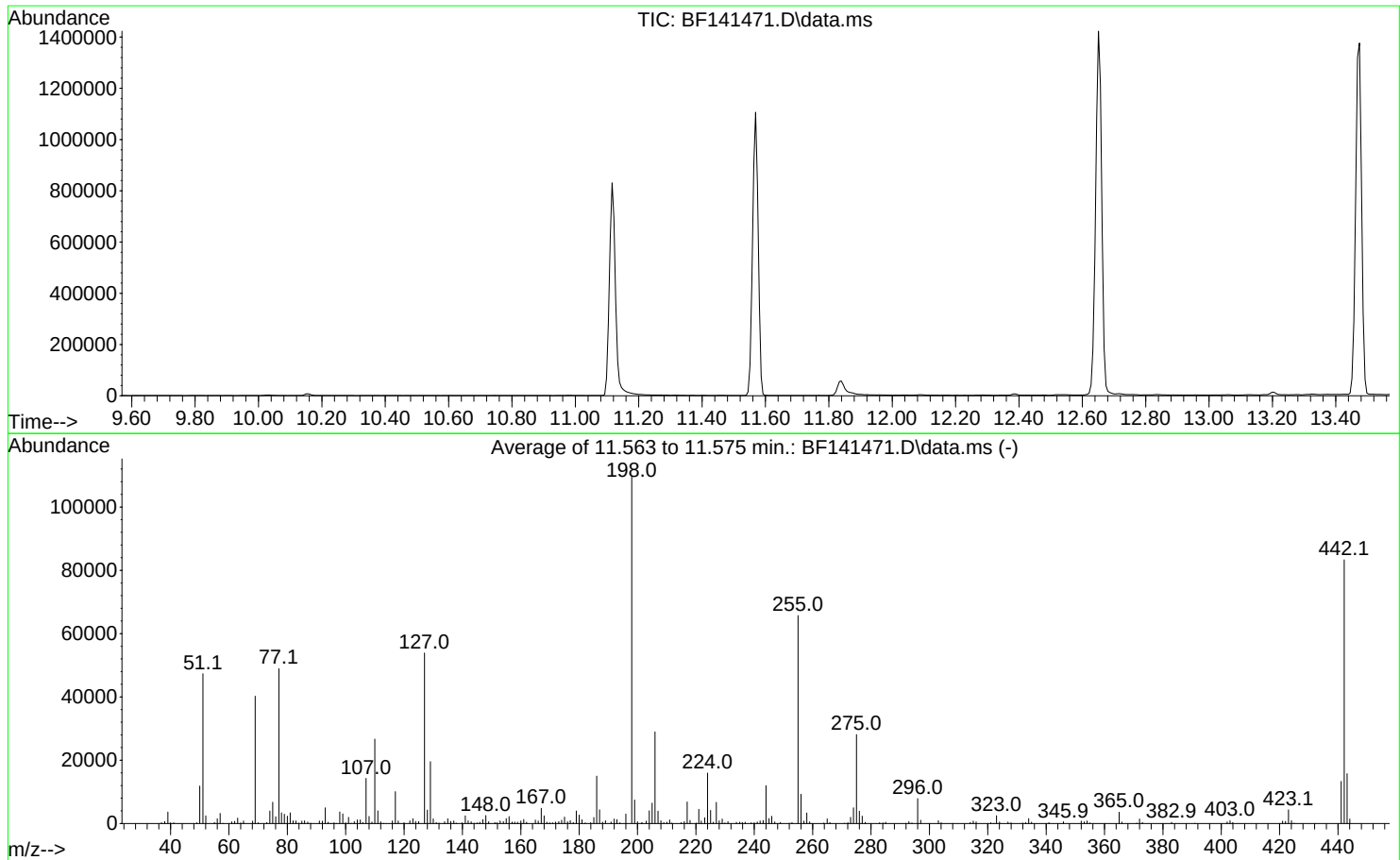
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.56
183.00	11.90	12.42
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025



AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	43.2	47360	PASS
68	69	0.00	2	1.9	756	PASS
69	198	0.00	100	36.7	40248	PASS
70	69	0.00	2	0.5	221	PASS
127	198	10	80	49.1	53877	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109720	PASS
199	198	5	9	6.8	7444	PASS
275	198	10	60	25.6	28133	PASS
365	198	1	100	3.3	3599	PASS
441	198	0.01	100	12.2	13341	PASS
442	442	50	100	100.0	83323	PASS
443	442	15	24	18.9	15754	PASS

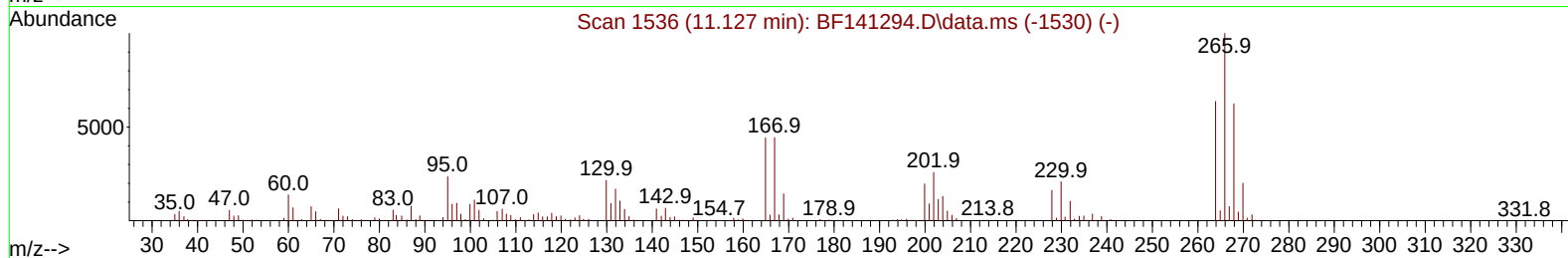
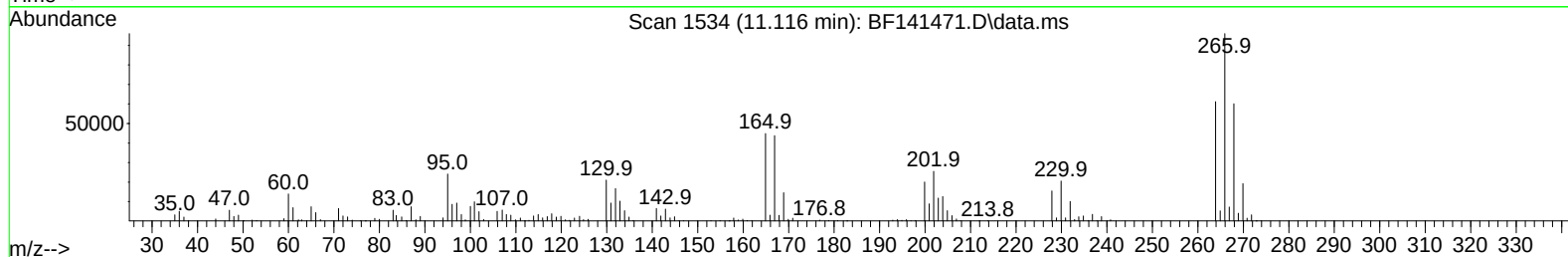
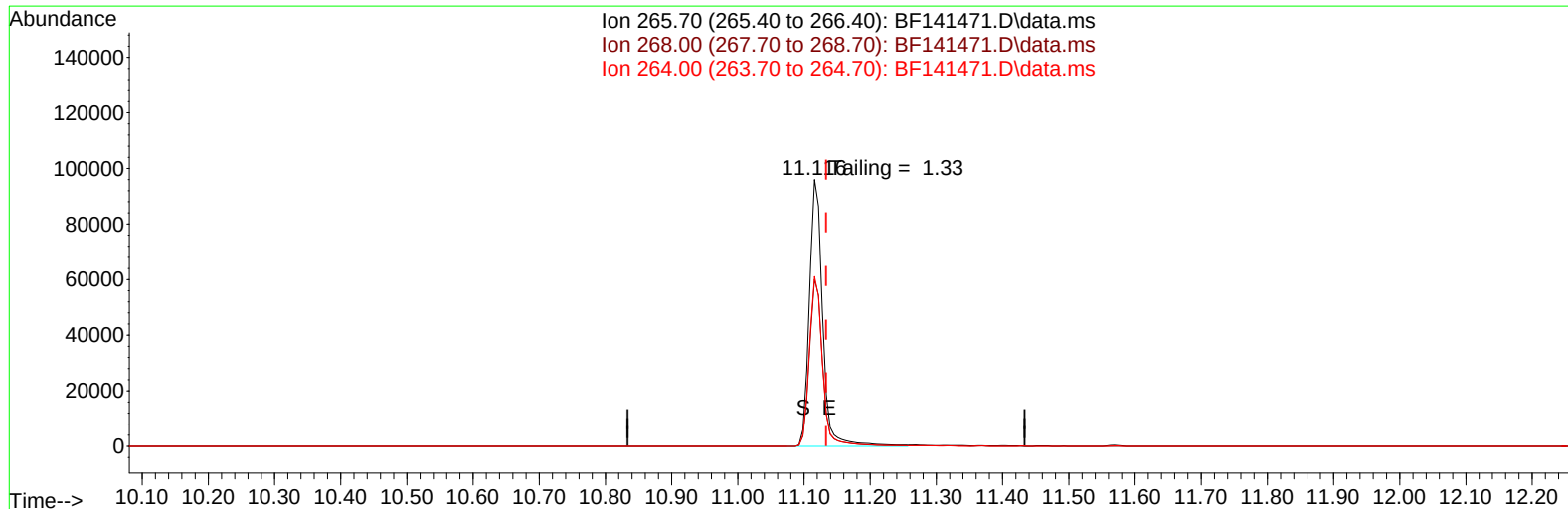
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	<u>BF141471.D</u>
Compound Name	Response	Retention Time
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6919	355790	1.94

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration



TIC: BF141471.D\data.ms

(70) Pentachlorophenol (C)

11.116min (-0.018) 32915.33 ng

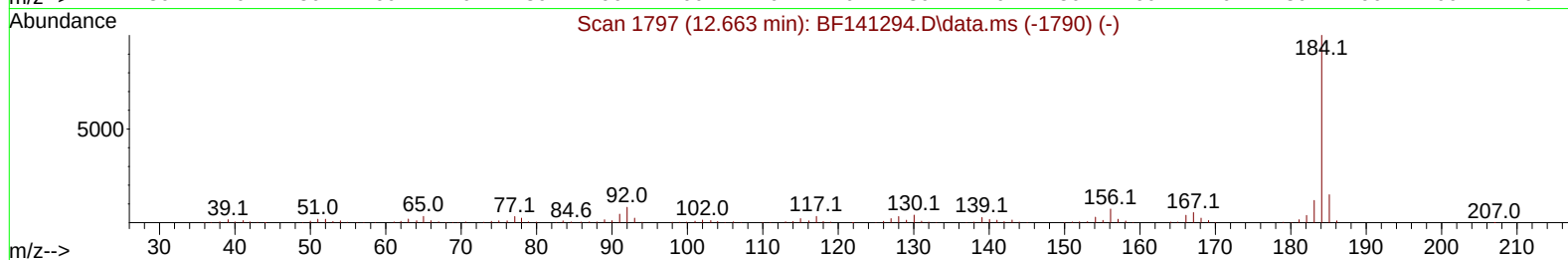
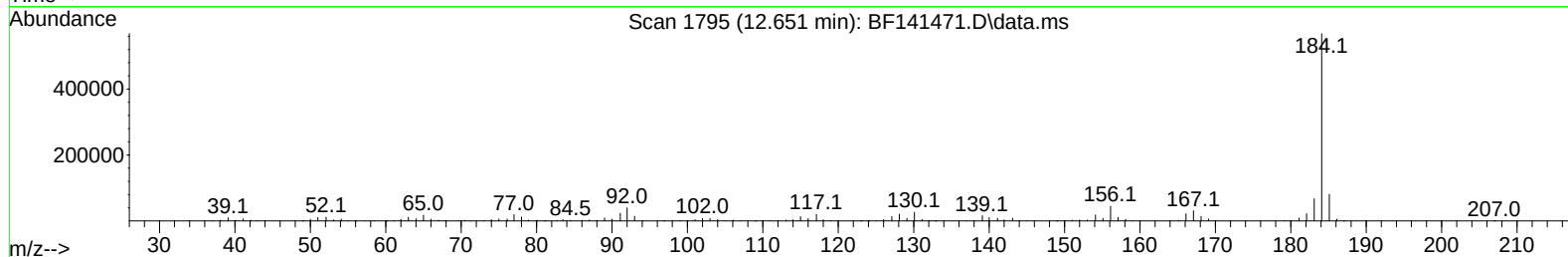
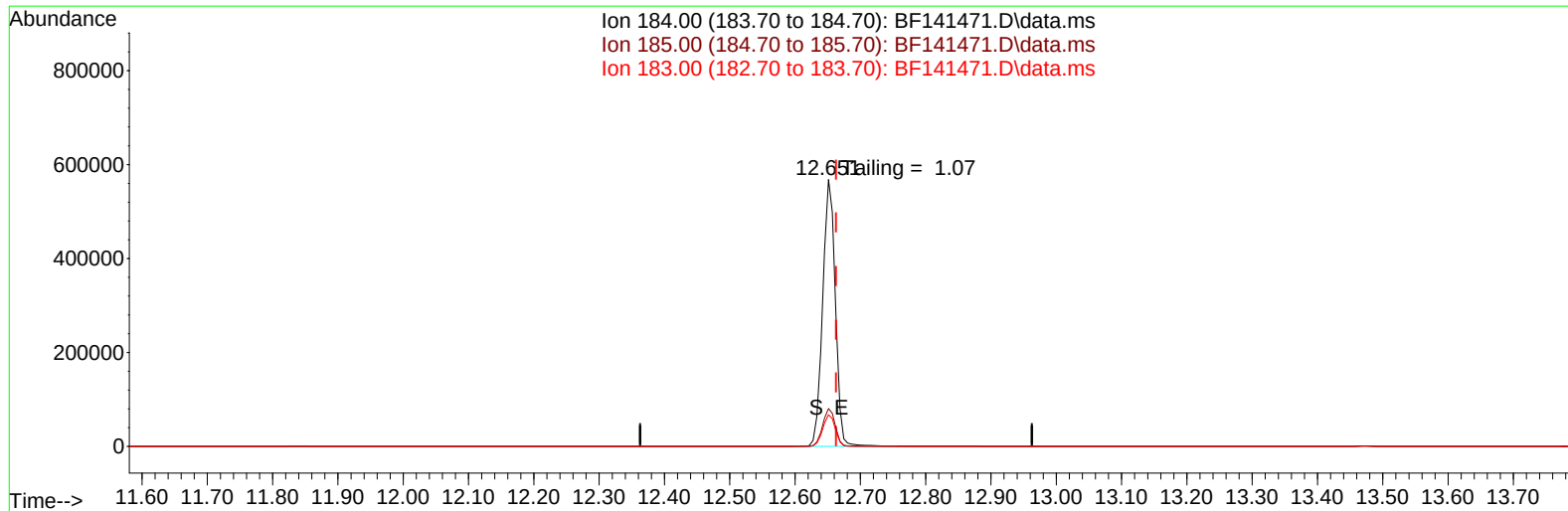
response 135048

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration



TIC: BF141471.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 764582

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BL	SDG No.:	Q1216
Lab Sample ID:	PB166426BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141362.D	1	01/31/25 10:29	02/03/25 11:51	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	5.00	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	5.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	159		10 - 139	106%	SPK: 150
13127-88-3	Phenol-d6	143		10 - 134	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		52 - 132	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	84.0		48 - 125	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87300	6.793			
1146-65-2	Naphthalene-d8	348000	8.075			
15067-26-2	Acenaphthene-d10	192000	9.828			
1517-22-2	Phenanthrene-d10	337000	11.316			
1719-03-5	Chrysene-d12	286000	13.957			
1520-96-3	Perylene-d12	281000	15.421			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BL	SDG No.:	Q1216
Lab Sample ID:	PB166426BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141362.D	1	01/31/25 10:29	02/03/25 11:51	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020325\
Data File : BF141362.D
Acq On : 03 Feb 2025 11:51
Operator : RC/JU
Sample : PB166426BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166426BL

Quant Time: Feb 03 12:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87343	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	347606	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	191809	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	337058	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	285942	20.000	ng	-0.02
86) Perylene-d12	15.421	264	281061	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	905850	159.219	ng	0.01
7) Phenol-d6	6.434	99	1034467	142.930	ng	0.00
23) Nitrobenzene-d5	7.357	82	679449	103.042	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	279143	158.744	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1249119	100.237	ng	-0.01
79) Terphenyl-d14	12.910	244	1557840	84.020	ng	0.00

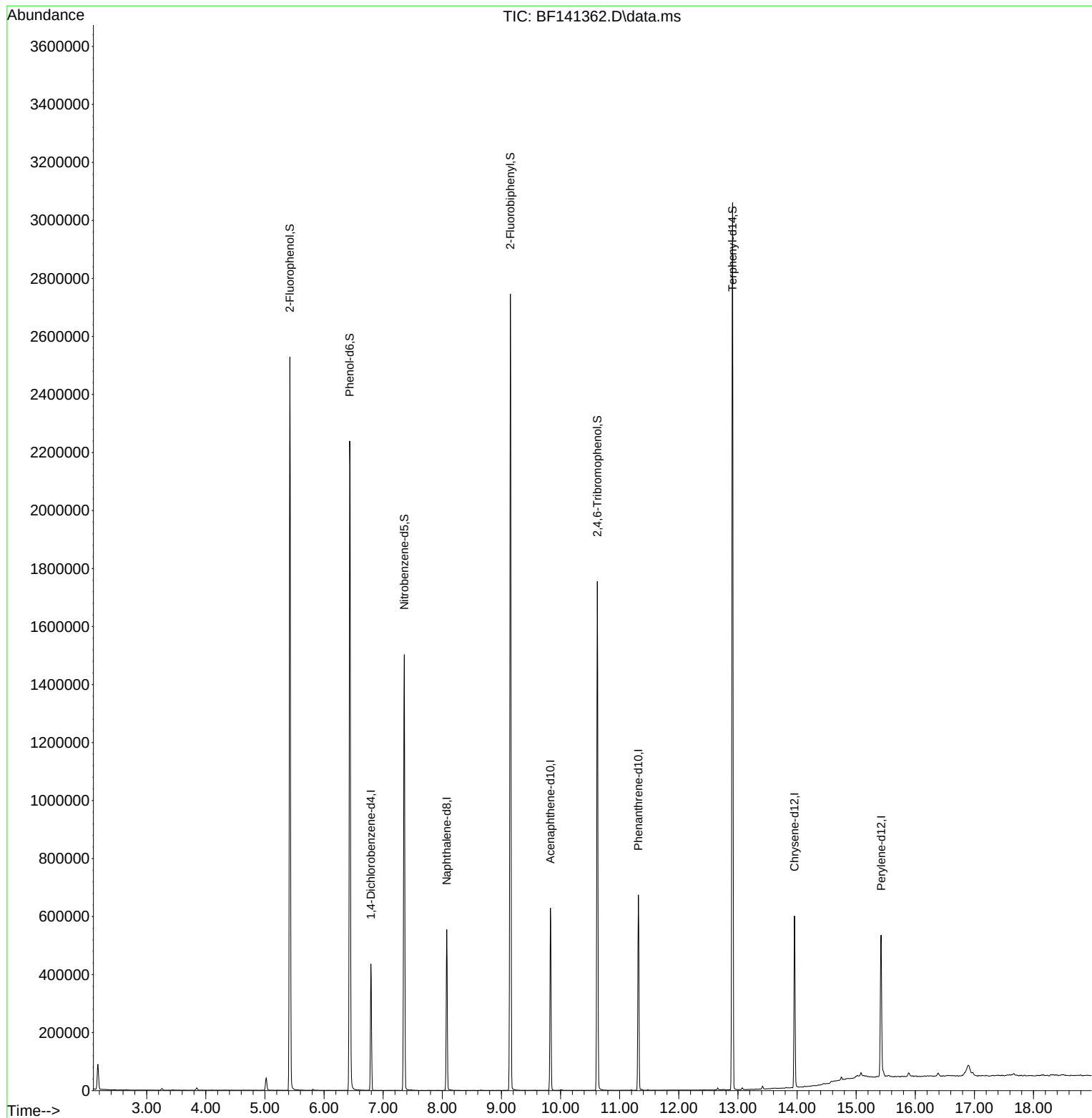
Target Compounds	Qvalue

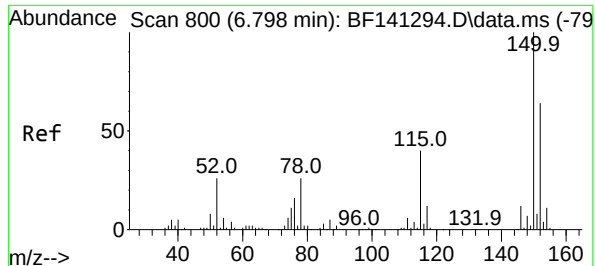
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141362.D
Acq On : 03 Feb 2025 11:51
Operator : RC/JU
Sample : PB166426BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166426BL

Quant Time: Feb 03 12:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

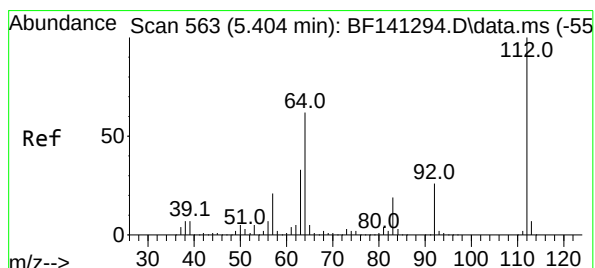
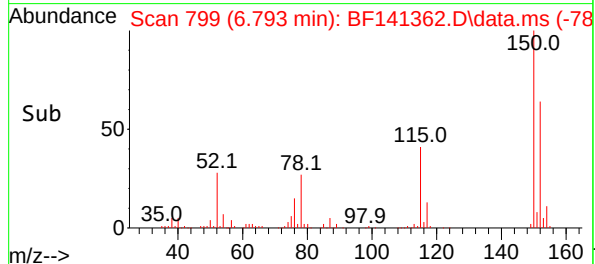
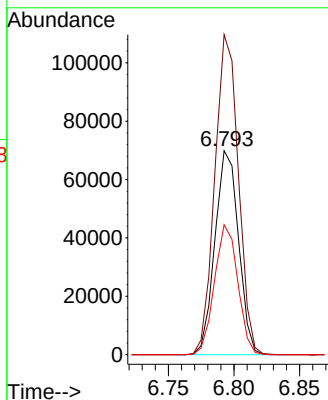
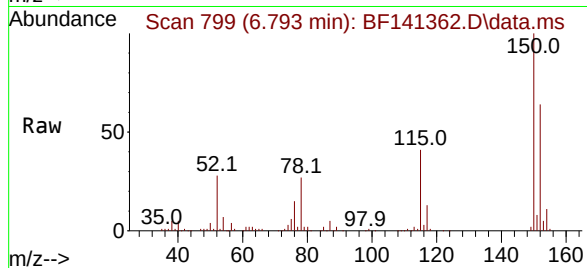




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

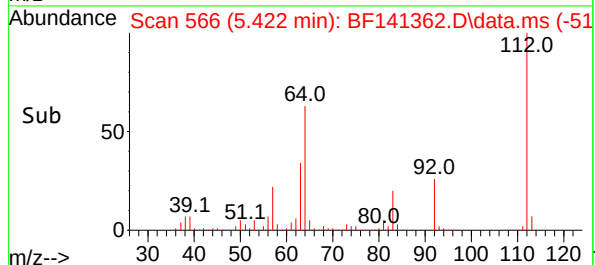
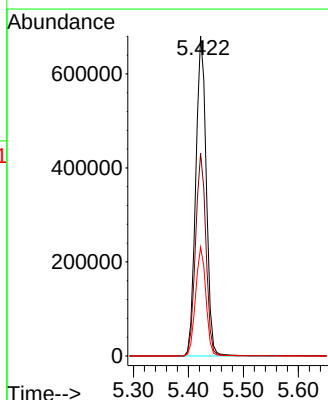
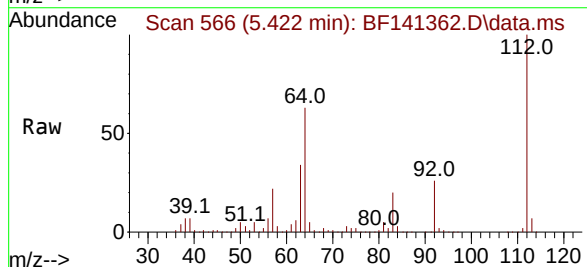
Instrument :
BNA_F
ClientSampleId :
PB166426BL

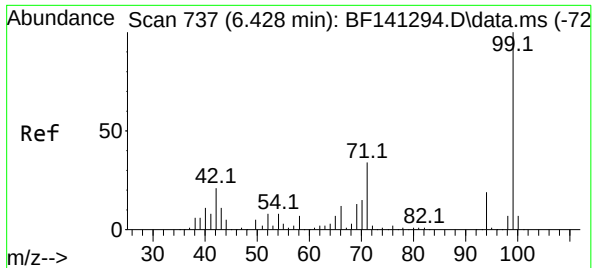
Tgt Ion:152 Resp: 87343
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 63.7 49.7 74.5



#5
2-Fluorophenol
Concen: 159.219 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

Tgt Ion:112 Resp: 905850
Ion Ratio Lower Upper
112 100
64 63.3 49.8 74.8
63 34.0 26.1 39.1

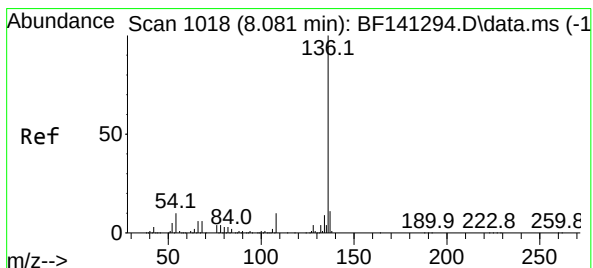
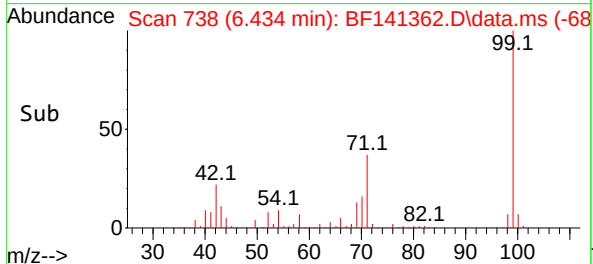
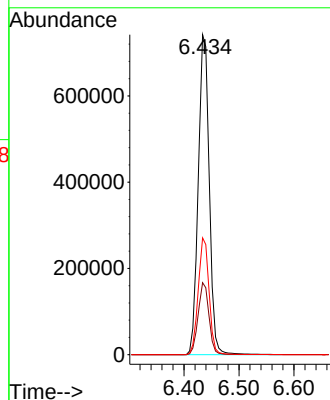
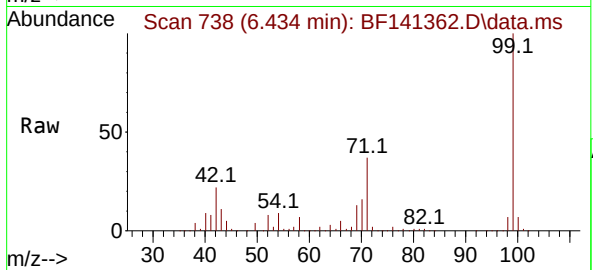




#7
Phenol-d6
Concen: 142.930 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

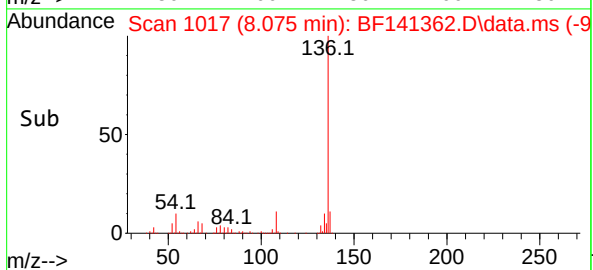
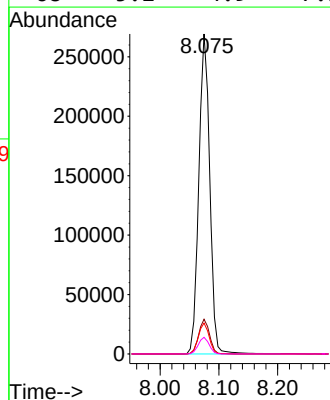
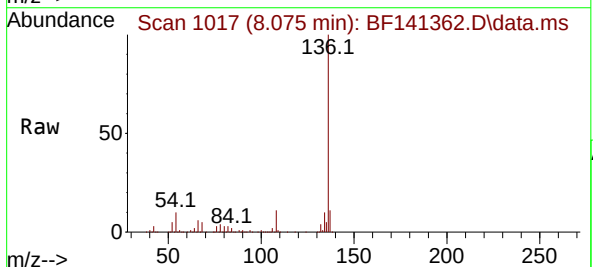
Instrument :
BNA_F
ClientSampleId :
PB166426BL

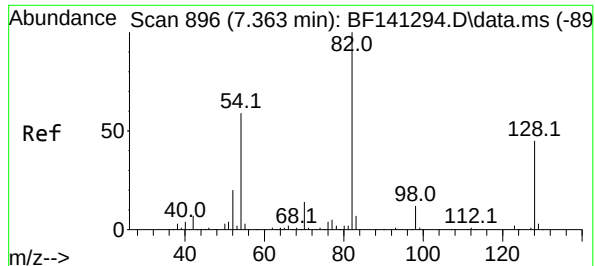
Tgt Ion: 99 Resp: 1034467
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.5 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

Tgt Ion: 136 Resp: 347606
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.8
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 103.042 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166426BL

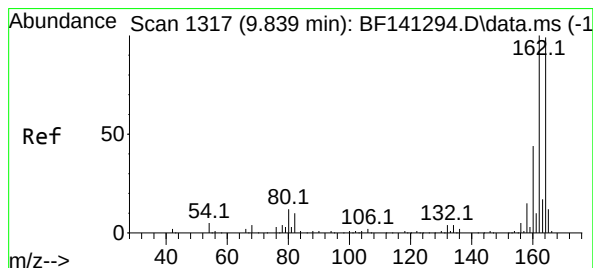
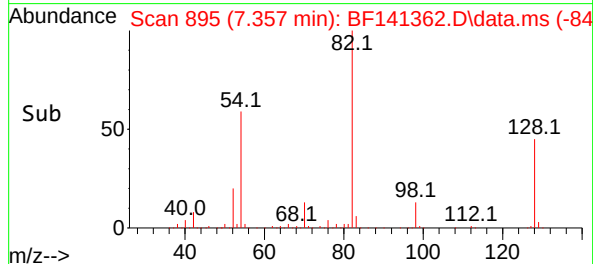
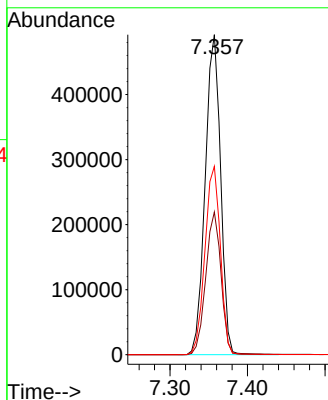
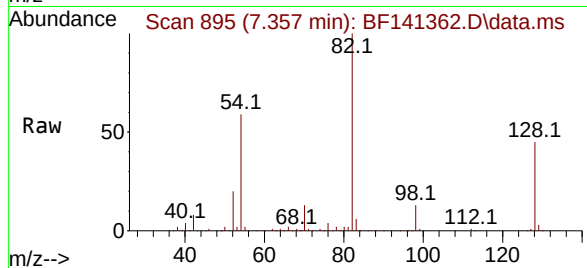
Tgt Ion: 82 Resp: 679449

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 58.9 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

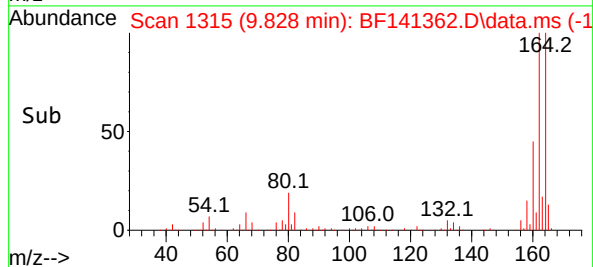
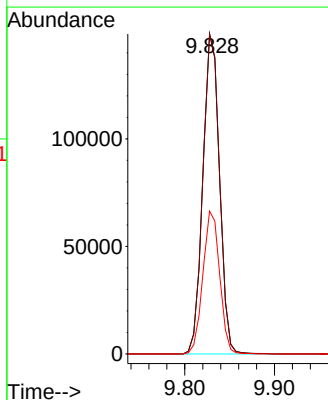
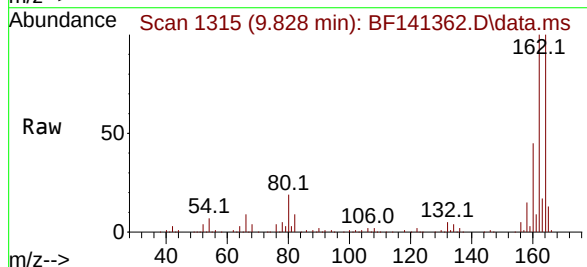
Tgt Ion:164 Resp: 191809

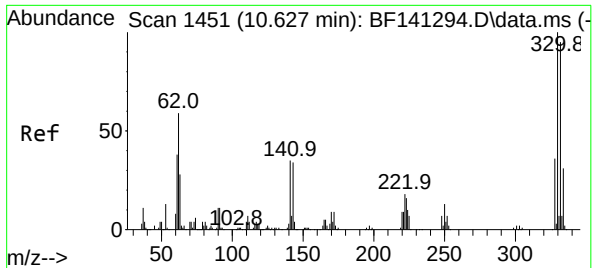
Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

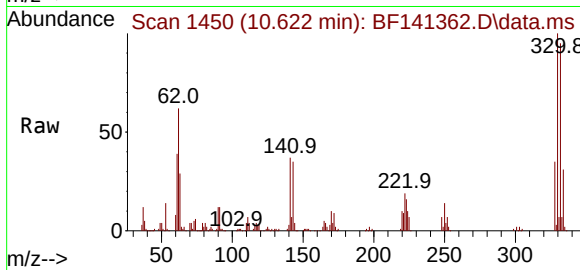
160 44.7 35.8 53.6



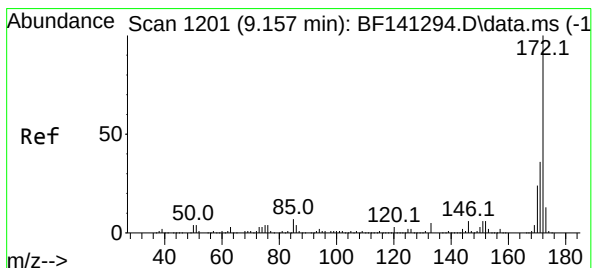
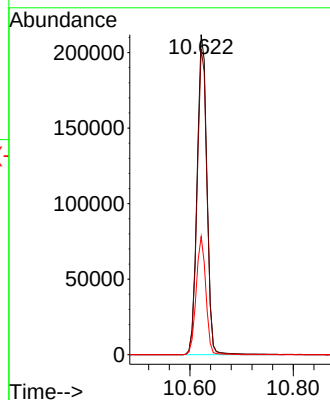
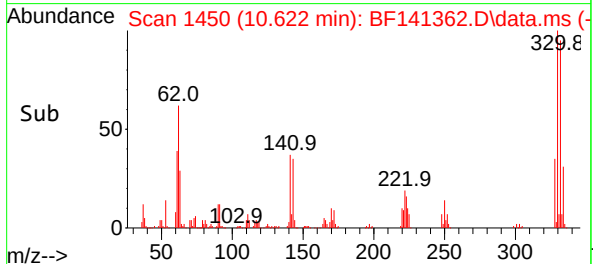


#42
2,4,6-Tribromophenol
Concen: 158.744 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

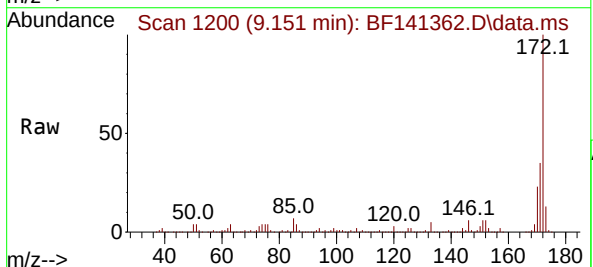
Instrument :
BNA_F
ClientSampleId :
PB166426BL



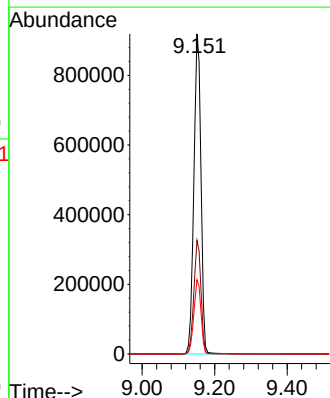
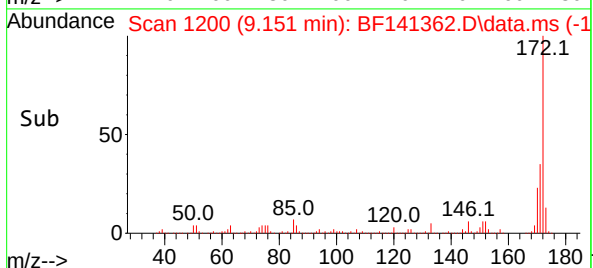
Tgt Ion: 330 Resp: 279143
Ion Ratio Lower Upper
330 100
332 95.6 76.1 114.1
141 36.2 28.8 43.2

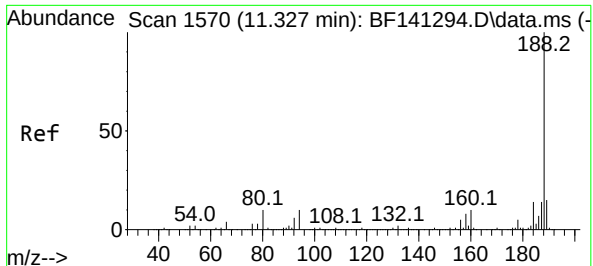


#45
2-Fluorobiphenyl
Concen: 100.237 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51



Tgt Ion: 172 Resp: 1249119
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.2 19.0 28.6

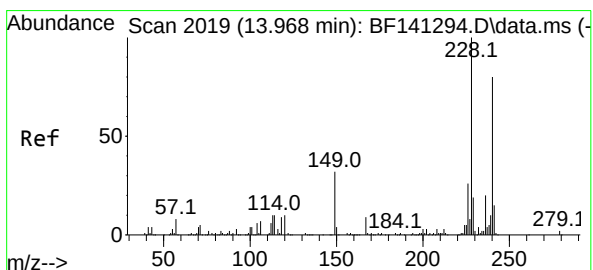
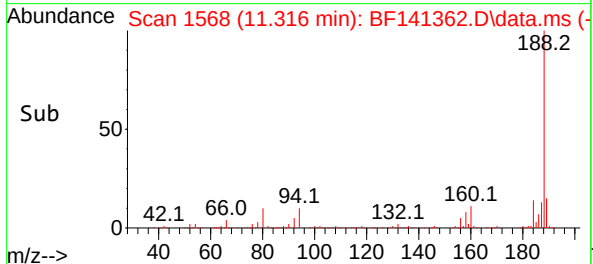
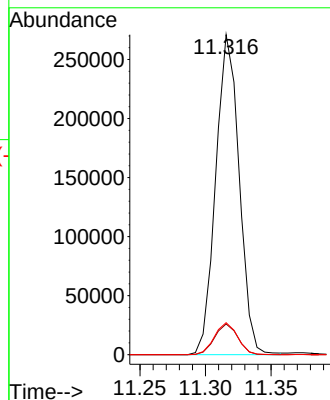
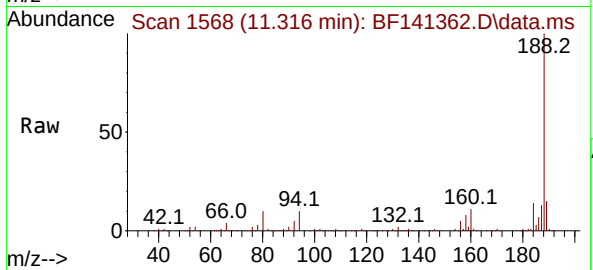




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

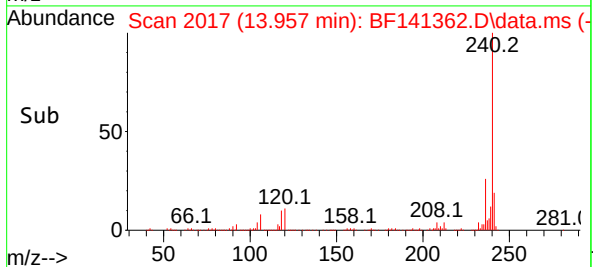
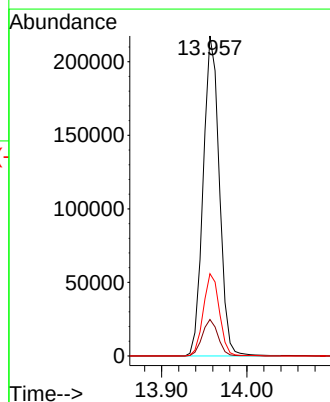
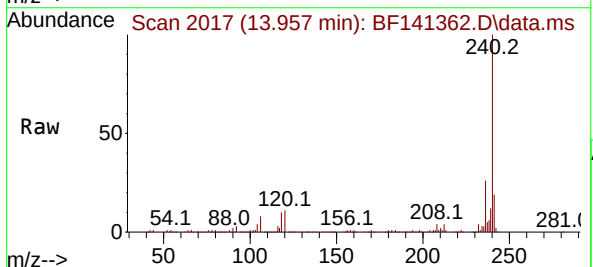
Instrument :
BNA_F
ClientSampleId :
PB166426BL

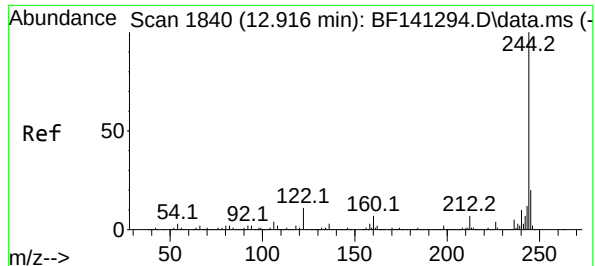
Tgt Ion:188 Resp: 337058
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.6
80 10.0 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

Tgt Ion:240 Resp: 285942
Ion Ratio Lower Upper
240 100
120 11.4 10.0 15.0
236 25.7 19.7 29.5





#79

Terphenyl-d14

Concen: 84.020 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166426BL

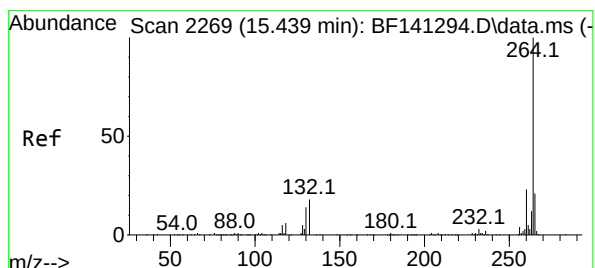
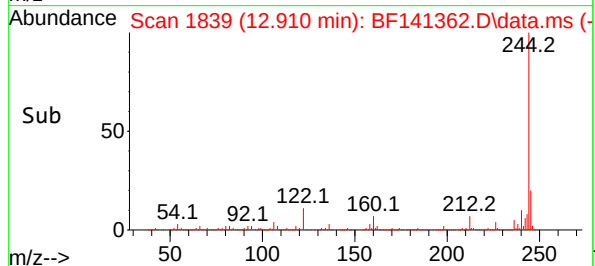
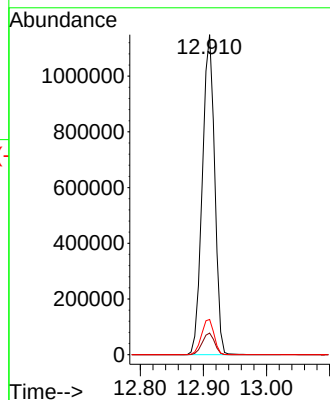
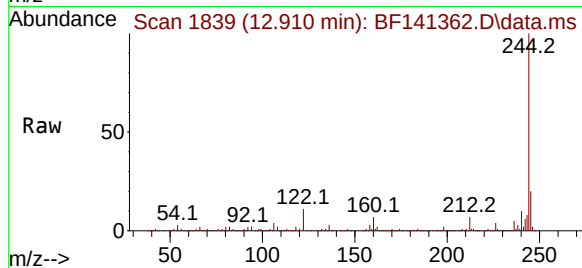
Tgt Ion:244 Resp: 1557840

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.0 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

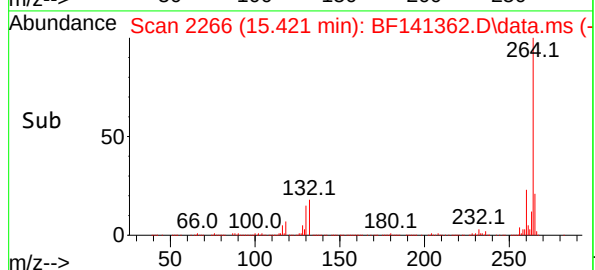
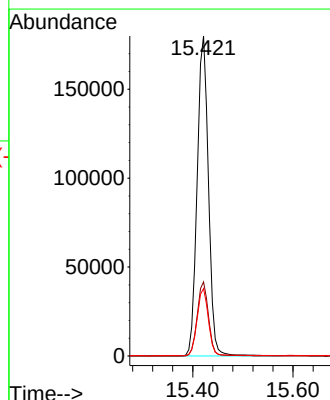
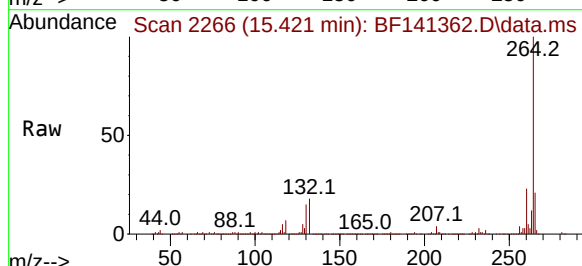
Tgt Ion:264 Resp: 281061

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.0 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BS	SDG No.:	Q1216
Lab Sample ID:	PB166426BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141407.D	1	01/31/25 10:29	02/04/25 14:39	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.6		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.5		0.84	5.00	ug/L
95-48-7	2-Methylphenol	45.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.4		1.20	10.0	ug/L
67-72-1	Hexachloroethane	47.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.9		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	48.0		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	48.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.3		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.0		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	48.9		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.2		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		44 - 137	102%	SPK: 150
1718-51-0	Terphenyl-d14	89.9		48 - 125	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	82700		6.787		
1146-65-2	Naphthalene-d8	331000		8.075		
15067-26-2	Acenaphthene-d10	181000		9.827		
1517-22-2	Phenanthrene-d10	313000		11.316		
1719-03-5	Chrysene-d12	234000		13.963		
1520-96-3	Perylene-d12	201000		15.421		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BS	SDG No.:	Q1216
Lab Sample ID:	PB166426BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141407.D	1	01/31/25 10:29	02/04/25 14:39	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF020425\
 Data File : BF141407.D
 Acq On : 04 Feb 2025 14:39
 Operator : RC/JU
 Sample : PB166426BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166426BS

Quant Time: Feb 04 15:34:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	82681	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	331184	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	180993	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	312610	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	234119	20.000	ng	-0.01
86) Perylene-d12	15.421	264	200536	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	713019	132.392	ng	0.00
7) Phenol-d6	6.434	99	872692	127.377	ng	0.00
23) Nitrobenzene-d5	7.357	82	579317	92.213	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	254875	153.605	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1099591	93.511	ng	-0.01
79) Terphenyl-d14	12.904	244	1365459	89.945	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.551	88	94708	39.985	ng	98
3) Pyridine	3.275	79	226080	39.615	ng	97
4) n-Nitrosodimethylamine	3.228	42	163446	50.135	ng	89
6) Aniline	6.451	93	217287	37.466	ng	# 10
8) 2-Chlorophenol	6.581	128	278040	48.166	ng	95
9) Benzaldehyde	6.334	77	25465	6.417	ng	98
10) Phenol	6.445	94	326970	45.020	ng	# 69
11) bis(2-Chloroethyl)ether	6.528	93	253314	45.490	ng	98
12) 1,3-Dichlorobenzene	6.728	146	289320	45.456	ng	99
13) 1,4-Dichlorobenzene	6.804	146	290732	45.469	ng	99
14) 1,2-Dichlorobenzene	6.957	146	278667	46.543	ng	99
15) Benzyl Alcohol	6.934	79	243779	52.066	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	425235	43.914	ng	56
17) 2-Methylphenol	7.057	107	215340	45.900	ng	# 88
18) Hexachloroethane	7.298	117	112078	47.515	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	192355	47.250	ng	99
20) 3+4-Methylphenols	7.204	107	278667	48.376	ng	94
22) Acetophenone	7.198	105	387286	49.197	ng	# 97
24) Nitrobenzene	7.375	77	291997	44.851	ng	99
25) Isophorone	7.610	82	512208	47.166	ng	99
26) 2-Nitrophenol	7.686	139	149139	48.573	ng	96
27) 2,4-Dimethylphenol	7.734	122	214302m	54.835	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	311809	45.013	ng	99
29) 2,4-Dichlorophenol	7.939	162	228705	47.802	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	242234	44.333	ng	100
31) Naphthalene	8.092	128	799068	45.673	ng	100
32) Benzoic acid	7.857	122	173870	48.396	ng	97
33) 4-Chloroaniline	8.145	127	111900	18.861	ng	99
34) Hexachlorobutadiene	8.210	225	153801	47.999	ng	99
35) Caprolactam	8.510	113	71389m	45.688	ng	
36) 4-Chloro-3-methylphenol	8.639	107	252782	49.256	ng	97
37) 2-Methylnaphthalene	8.786	142	524031	47.126	ng	99
38) 1-Methylnaphthalene	8.886	142	488613	44.732	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	244141	47.415	ng	98
41) Hexachlorocyclopentadiene	8.939	237	292771	192.529	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	164492	48.807	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141407.D
 Acq On : 04 Feb 2025 14:39
 Operator : RC/JU
 Sample : PB166426BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166426BS

Quant Time: Feb 04 15:34:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

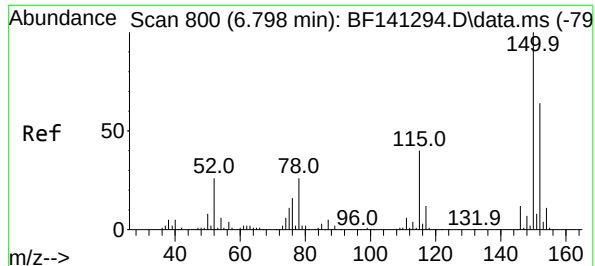
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	173420	47.278	ng	98
46) 1,1'-Biphenyl	9.251	154	655951	46.471	ng	99
47) 2-Chloronaphthalene	9.275	162	489548	44.496	ng	99
48) 2-Nitroaniline	9.375	65	170280	49.205	ng	97
49) Acenaphthylene	9.692	152	760954	49.410	ng	100
50) Dimethylphthalate	9.557	163	593755	48.572	ng	100
51) 2,6-Dinitrotoluene	9.616	165	132856	46.808	ng	98
52) Acenaphthene	9.863	154	591701m	53.779	ng	
53) 3-Nitroaniline	9.786	138	80709	29.013	ng	99
54) 2,4-Dinitrophenol	9.898	184	154693	117.244	ng	93
55) Dibenzofuran	10.039	168	700235	47.547	ng	97
56) 4-Nitrophenol	9.969	139	212195	104.299	ng	90
57) 2,4-Dinitrotoluene	10.022	165	183846	50.028	ng	94
58) Fluorene	10.380	166	560118	49.031	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	154775	53.634	ng	98
60) Diethylphthalate	10.257	149	586751	49.503	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	268913	48.191	ng	97
62) 4-Nitroaniline	10.404	138	135954	49.710	ng	94
63) Azobenzene	10.533	77	564907	47.614	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	109062	58.982	ng	96
66) n-Nitrosodiphenylamine	10.492	169	490366	48.499	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	169955	48.562	ng	99
68) Hexachlorobenzene	10.927	284	181362	48.853	ng	98
69) Atrazine	11.022	200	175099	51.796	ng	99
70) Pentachlorophenol	11.127	266	224331	103.193	ng	99
71) Phenanthrene	11.345	178	861852	51.288	ng	100
72) Anthracene	11.392	178	882833	53.619	ng	99
73) Carbazole	11.551	167	770620	52.783	ng	99
74) Di-n-butylphthalate	11.880	149	922589	52.143	ng	99
75) Fluoranthene	12.533	202	925902	55.804	ng	98
77) Benzidine	12.657	184	182119	24.265	ng	99
78) Pyrene	12.763	202	951626	42.345	ng	100
80) Butylbenzylphthalate	13.380	149	386308	49.204	ng	99
81) Benzo(a)anthracene	13.951	228	745476	46.144	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	128195	24.949	ng	99
83) Chrysene	13.992	228	722130	48.772	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	509487	51.156	ng	99
85) Di-n-octyl phthalate	14.568	149	801166	51.792	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	638218	49.309	ng	96
88) Benzo(b)fluoranthene	15.004	252	697768	55.316	ng	99
89) Benzo(k)fluoranthene	15.033	252	528168	47.265	ng	99
90) Benzo(a)pyrene	15.362	252	566504	53.145	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	511474	49.118	ng	98
92) Benzo(g,h,i)perylene	17.309	276	479740	44.307	ng	95

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

Instrument :
BNA_F
ClientSampleId :
PB166426BS

- 1
- 2
- 3
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- 13
- 14
- 15
- 16
- 17

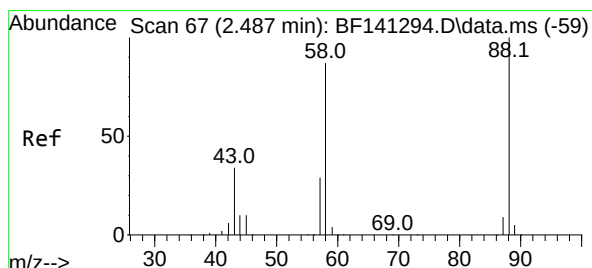
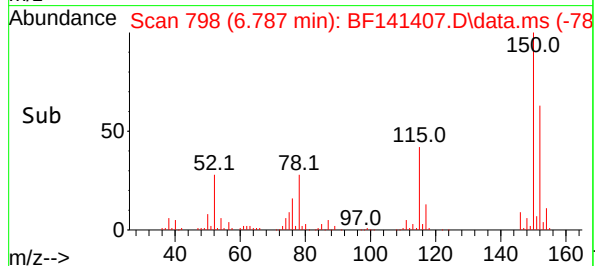
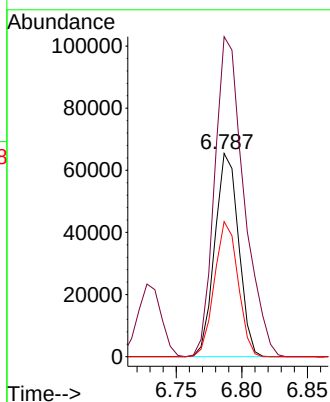
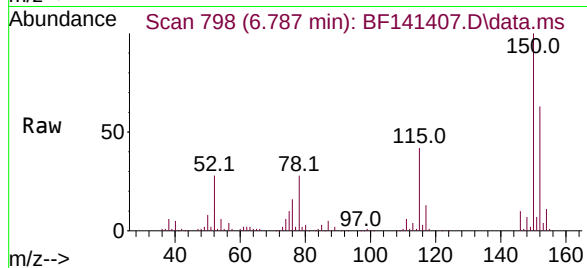




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.018 min
 Lab File: BF141407.D
 Acq: 04 Feb 2025 14:39

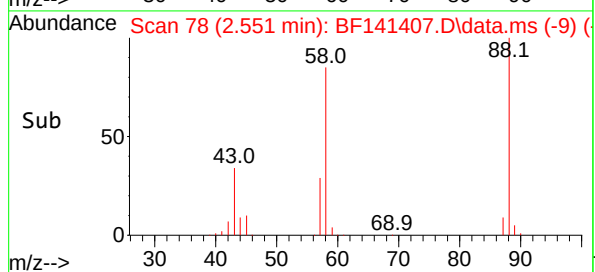
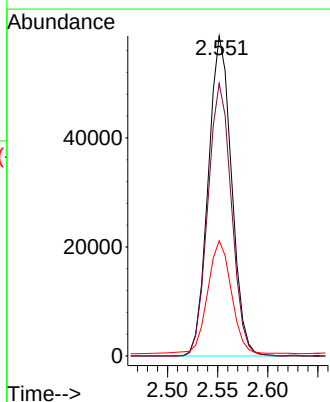
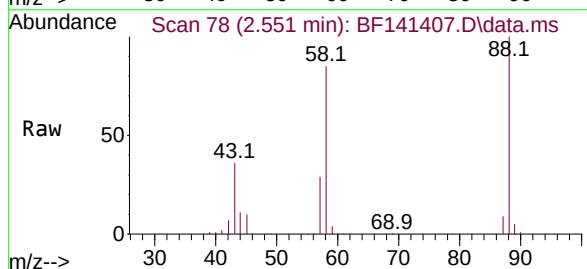
Instrument :
 BNA_F
 ClientSampleId :
 PB166426BS

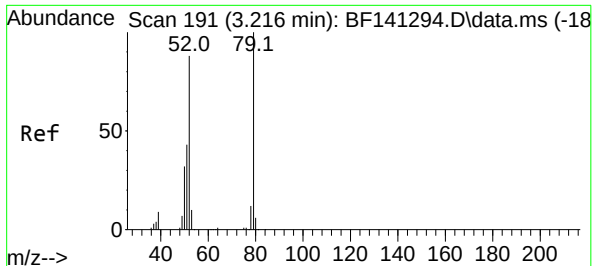
Tgt Ion:152 Resp: 82681
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.9 188.9
 115 66.5 49.7 74.5



#2
 1,4-Dioxane
 Concen: 39.985 ng
 RT: 2.551 min Scan# 78
 Delta R.T. 0.059 min
 Lab File: BF141407.D
 Acq: 04 Feb 2025 14:39

Tgt Ion: 88 Resp: 94708
 Ion Ratio Lower Upper
 88 100
 58 86.5 70.2 105.4
 43 36.1 27.6 41.4





#3

Pyridine

Concen: 39.615 ng

RT: 3.275 min Scan# 201

Delta R.T. 0.047 min

Lab File: BF141407.D

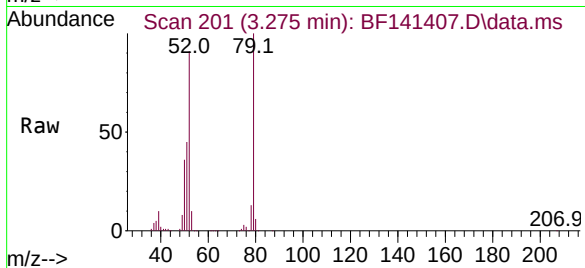
Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS



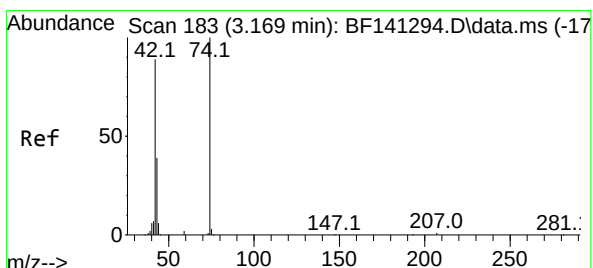
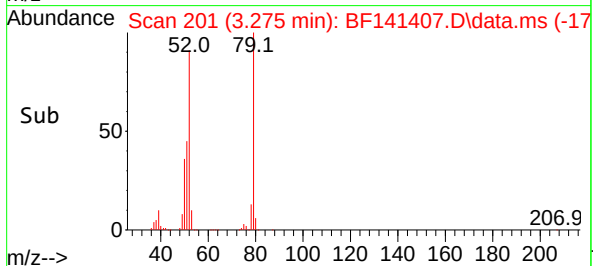
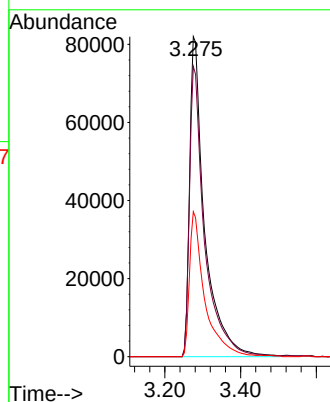
Tgt Ion: 79 Resp: 226080

Ion Ratio Lower Upper

79 100

52 90.7 70.3 105.5

51 45.3 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 50.135 ng

RT: 3.228 min Scan# 193

Delta R.T. 0.029 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

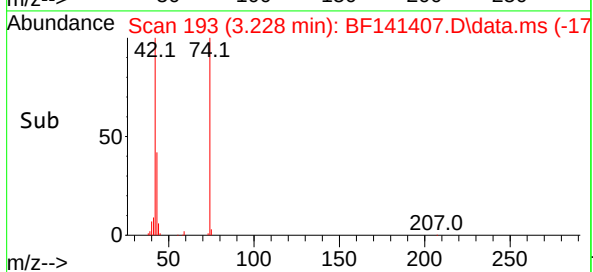
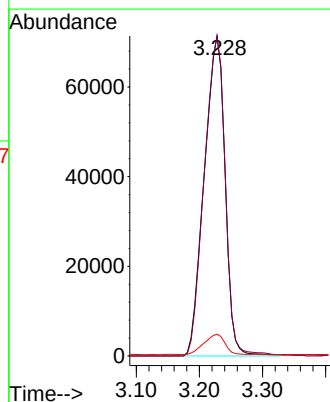
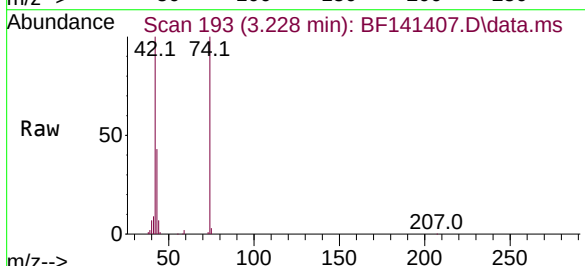
Tgt Ion: 42 Resp: 163446

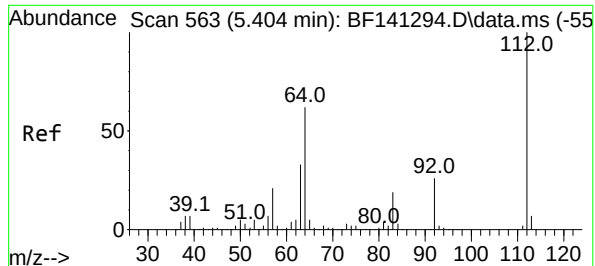
Ion Ratio Lower Upper

42 100

74 100.1 90.3 135.5

44 6.8 5.7 8.5

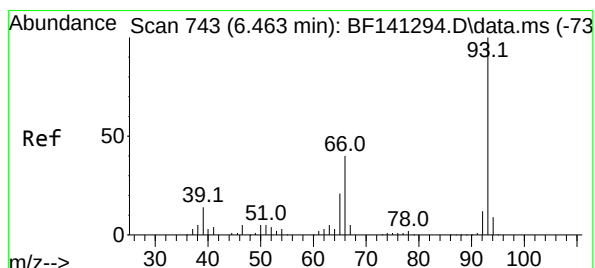
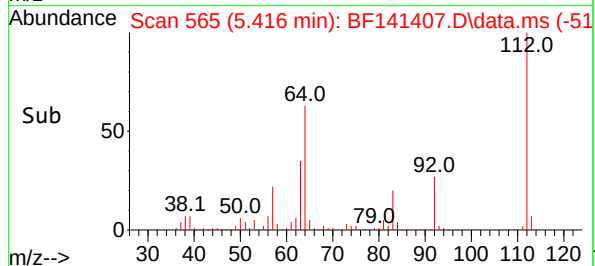
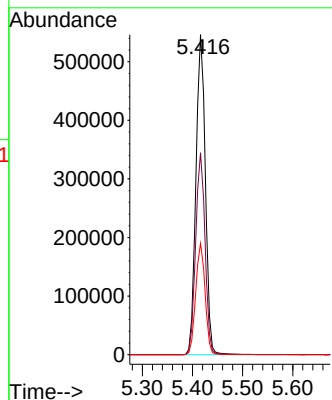
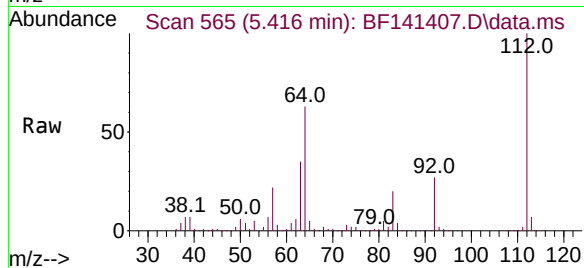




#5
2-Fluorophenol
Concen: 132.392 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

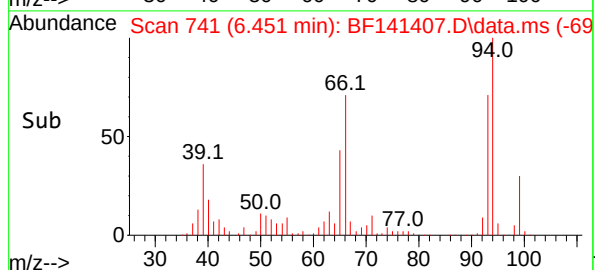
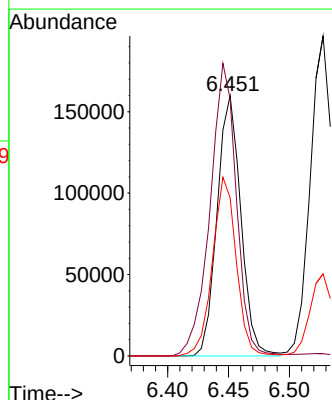
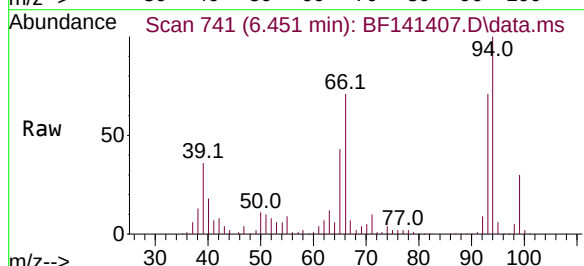
Instrument :
BNA_F
ClientSampleId :
PB166426BS

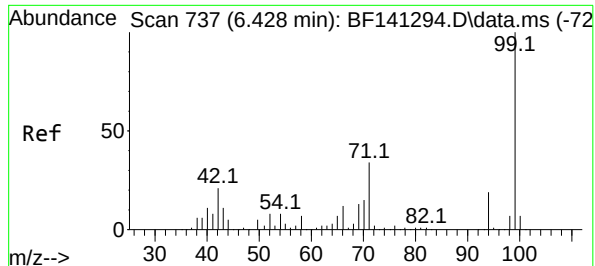
Tgt Ion:112 Resp: 713019
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 34.8 26.1 39.1



#6
Aniline
Concen: 37.466 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 93 Resp: 217287
Ion Ratio Lower Upper
93 100
66 98.7 32.5 48.7#
65 60.7 17.0 25.6#





#7

Phenol-d6

Concen: 127.377 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

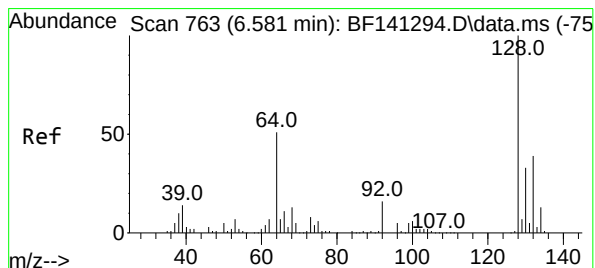
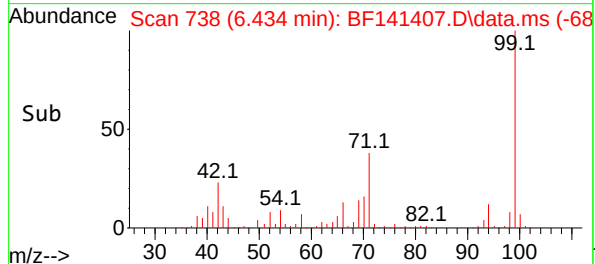
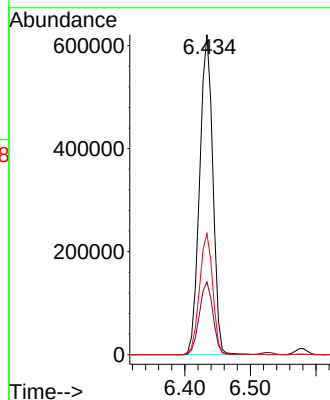
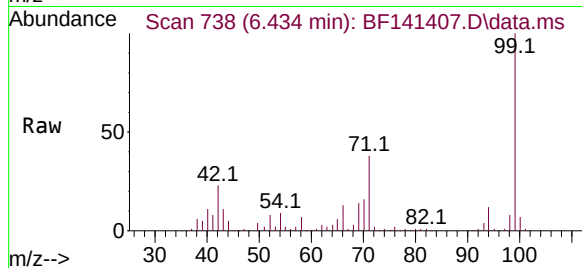
Tgt Ion: 99 Resp: 872692

Ion Ratio Lower Upper

99 100

42 22.7 17.1 25.7

71 37.8 26.9 40.3



#8

2-Chlorophenol

Concen: 48.166 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

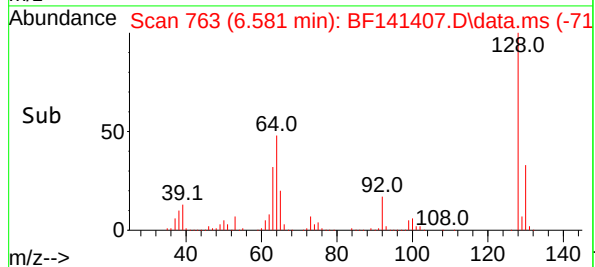
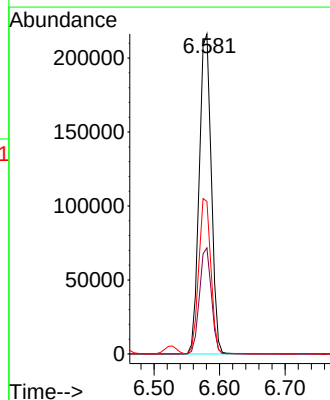
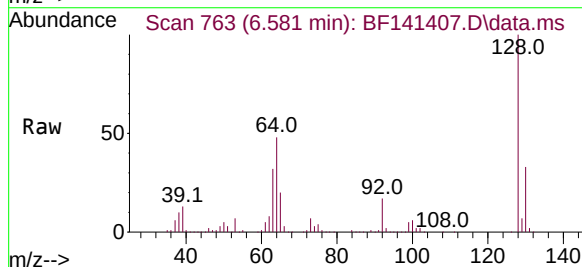
Tgt Ion: 128 Resp: 278040

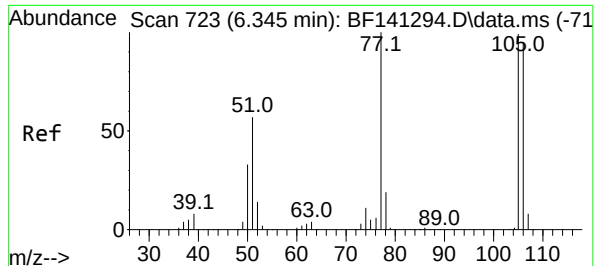
Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 47.7 32.9 72.9

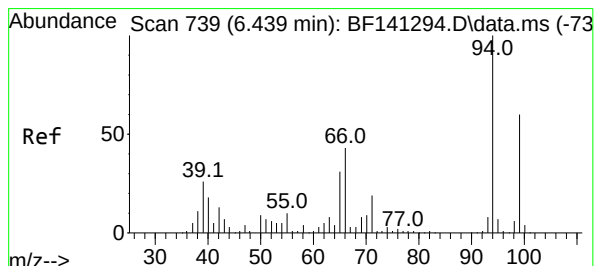
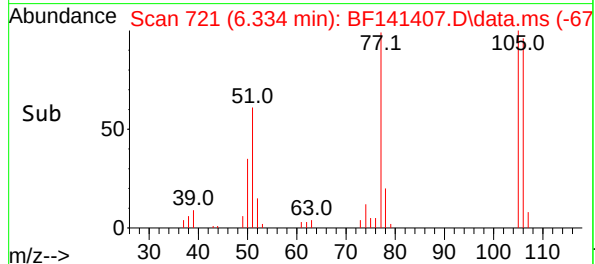
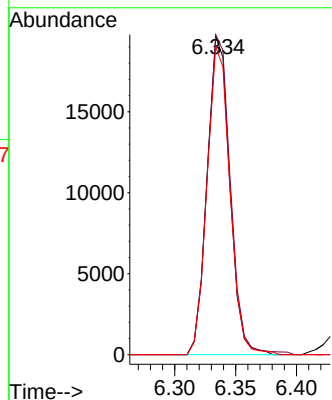
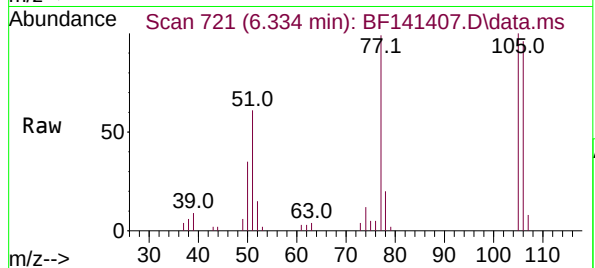




#9
Benzaldehyde
Concen: 6.417 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

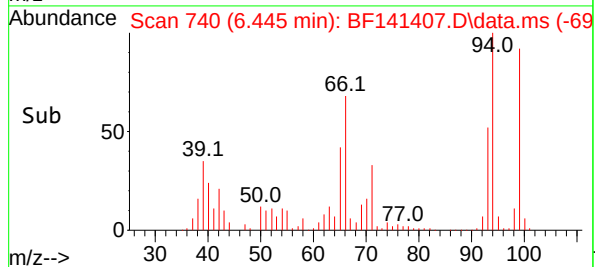
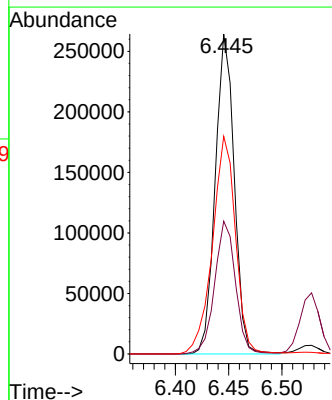
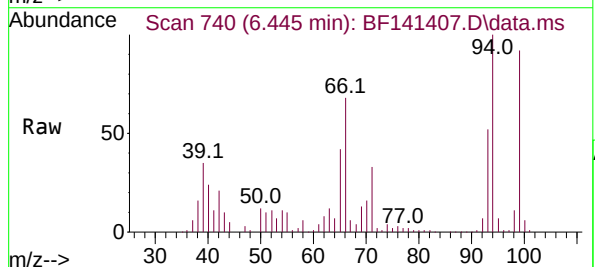
Instrument :
BNA_F
ClientSampleId :
PB166426BS

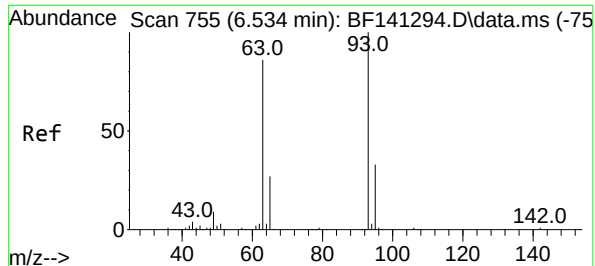
Tgt Ion: 77 Resp: 25465
Ion Ratio Lower Upper
77 100
105 100.6 79.4 119.4
106 96.8 74.6 114.6



#10
Phenol
Concen: 45.020 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 94 Resp: 326970
Ion Ratio Lower Upper
94 100
65 41.5 10.8 50.8
66 68.0 23.3 63.3#





#11

bis(2-Chloroethyl)ether

Concen: 45.490 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

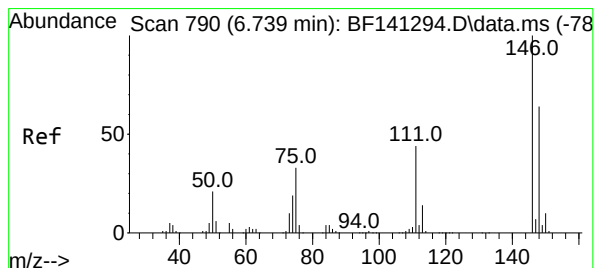
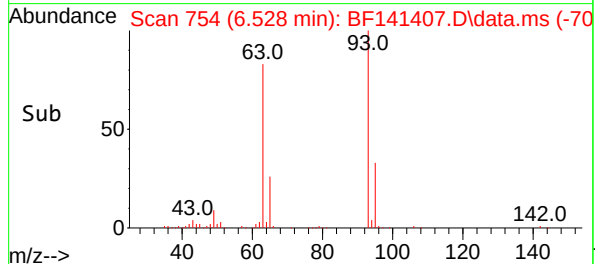
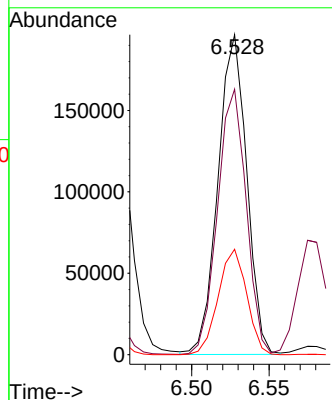
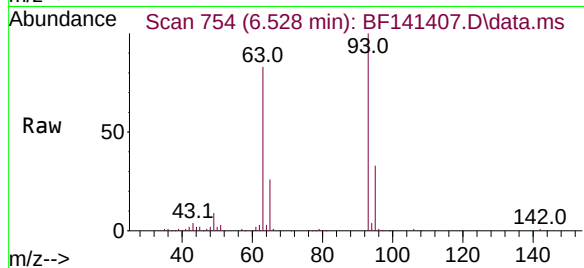
BNA_F

ClientSampleId :

PB166426BS

Tgt Ion: 93 Resp: 253314

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.0	105.0
95	33.0	12.4	52.4



#12

1,3-Dichlorobenzene

Concen: 45.456 ng

RT: 6.728 min Scan# 788

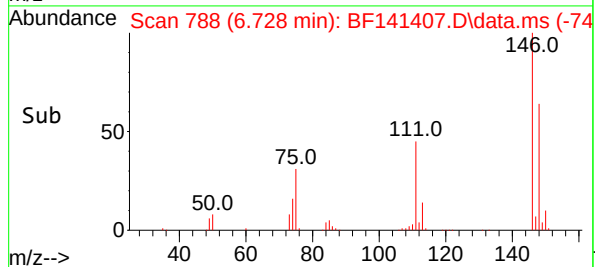
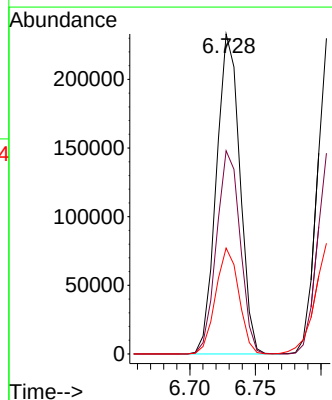
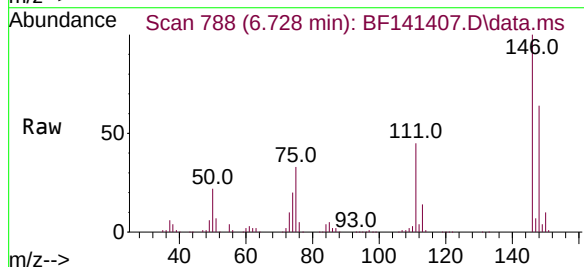
Delta R.T. -0.018 min

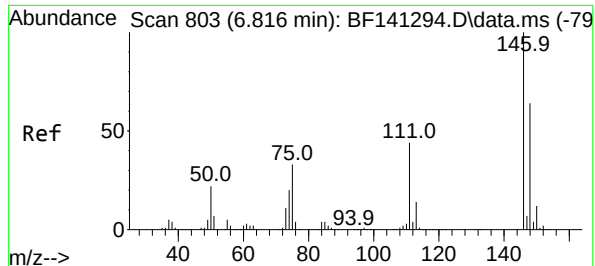
Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion: 146 Resp: 289320

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.2	76.8
75	33.1	26.2	39.4





#13

1,4-Dichlorobenzene

Concen: 45.469 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

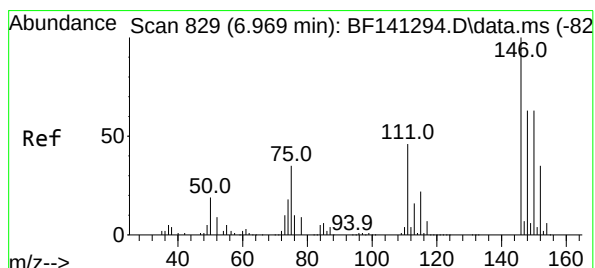
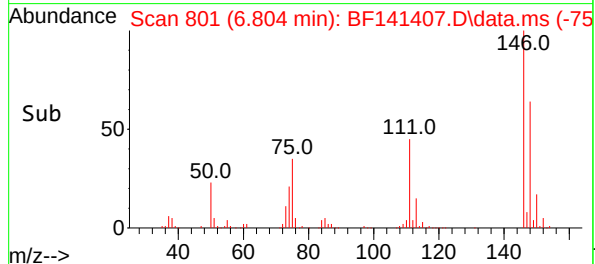
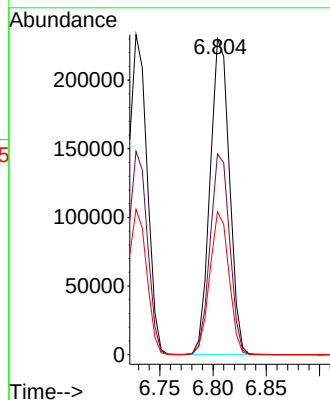
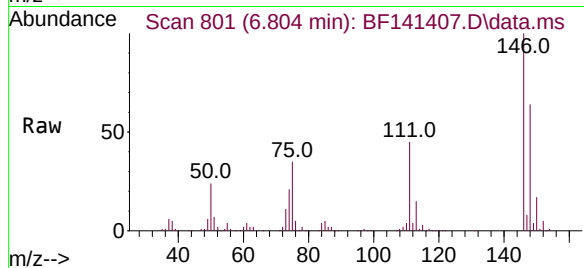
Tgt Ion:146 Resp: 290732

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

111 45.3 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 46.543 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

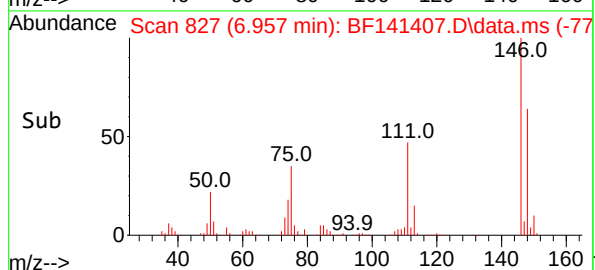
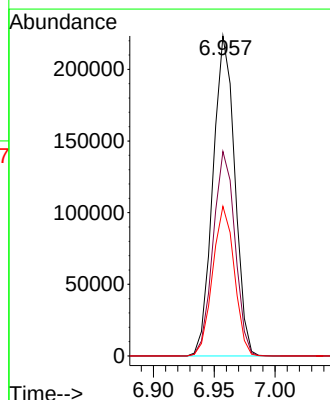
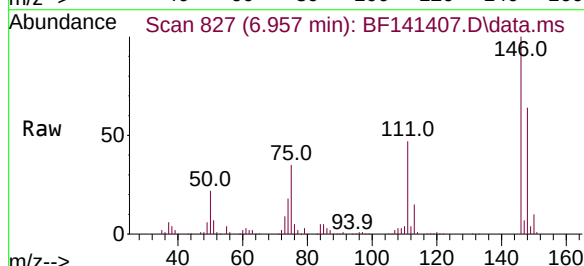
Tgt Ion:146 Resp: 278667

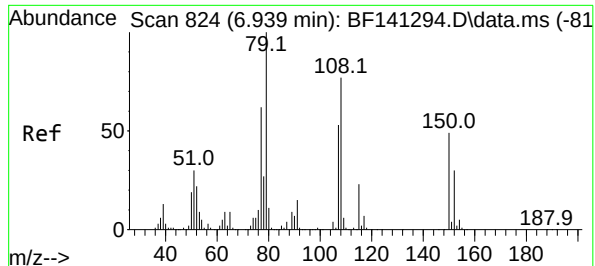
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 46.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 52.066 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

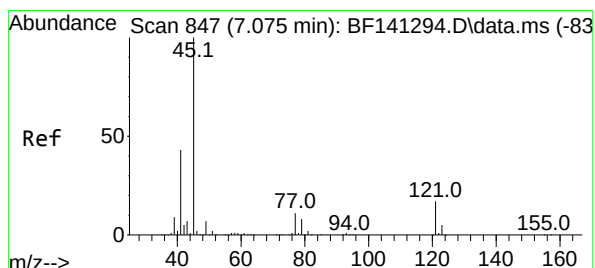
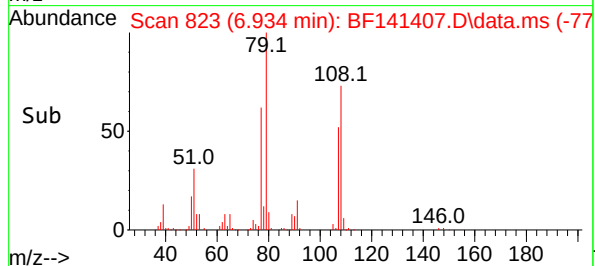
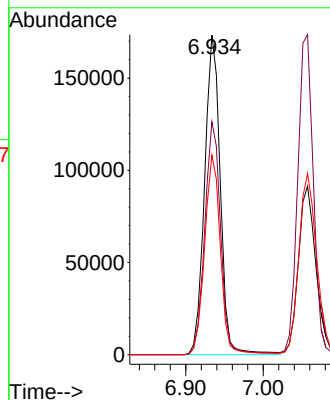
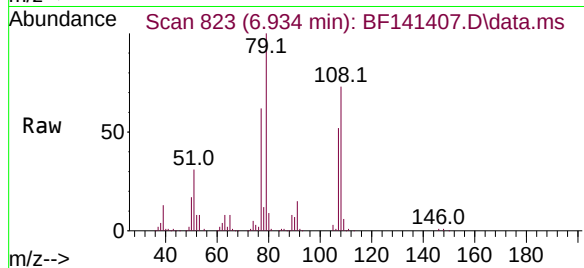
Tgt Ion: 79 Resp: 243779

Ion Ratio Lower Upper

79 100

108 72.9 61.4 92.0

77 62.5 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.914 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

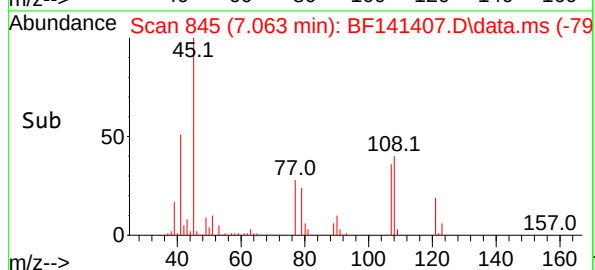
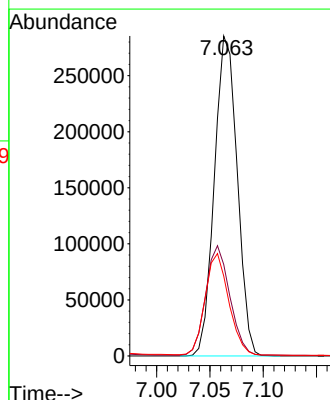
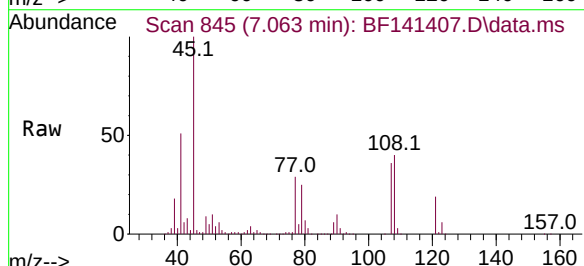
Tgt Ion: 45 Resp: 425235

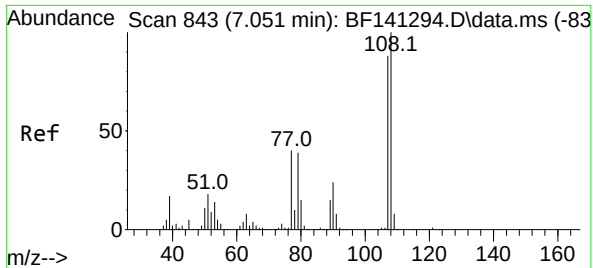
Ion Ratio Lower Upper

45 100

77 28.6 0.0 31.8

79 25.0 0.0 29.1

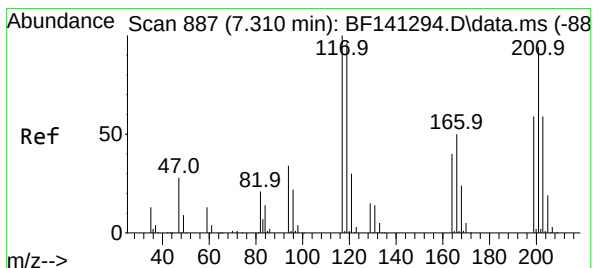
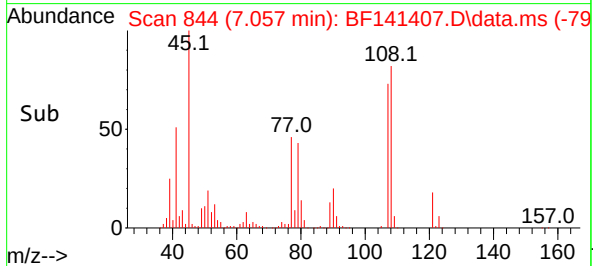
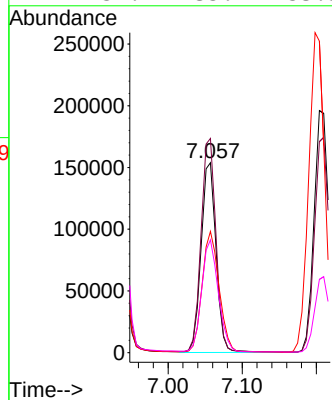
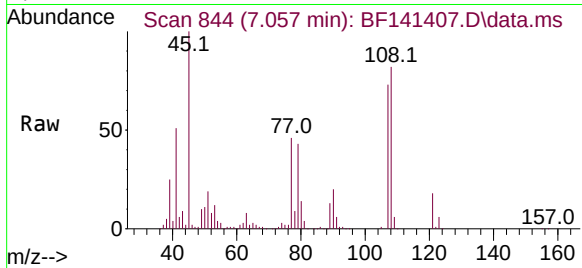




#17
2-Methylphenol
Concen: 45.900 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

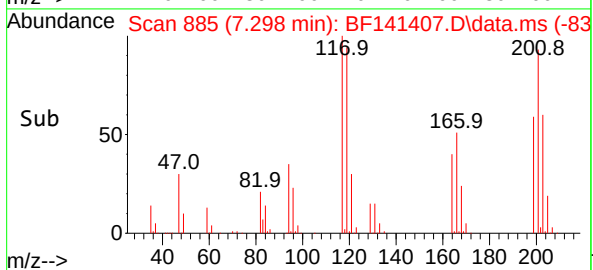
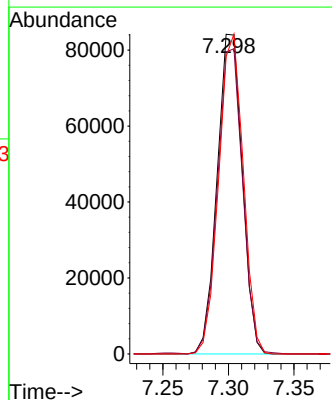
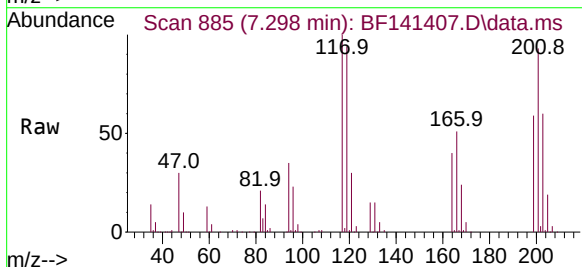
Instrument :
BNA_F
ClientSampleId :
PB166426BS

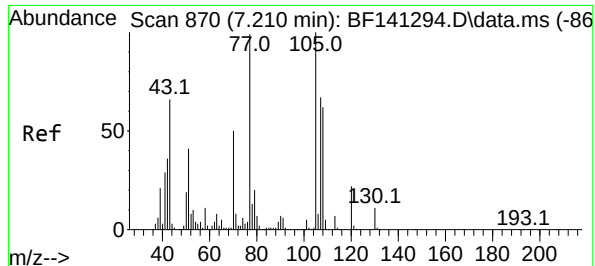
Tgt Ion:107 Resp: 215340
Ion Ratio Lower Upper
107 100
108 112.8 90.8 136.2
77 63.9 36.2 54.4#
79 59.4 35.7 53.5#



#18
Hexachloroethane
Concen: 47.515 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:117 Resp: 112078
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 93.0 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.250 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

Tgt Ion: 70 Resp: 192355

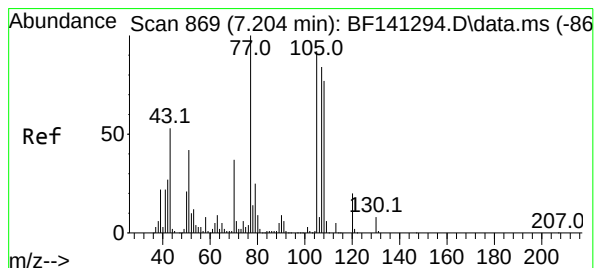
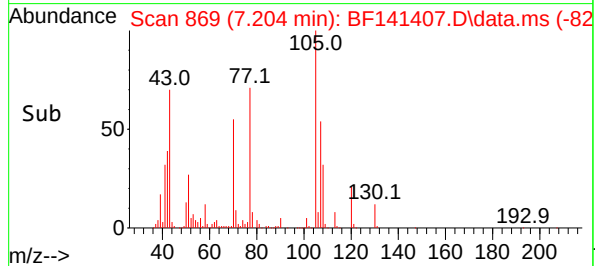
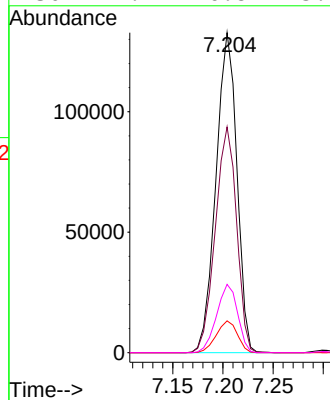
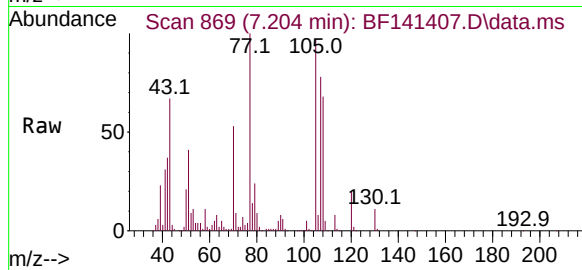
Ion Ratio Lower Upper

70 100

42 70.6 56.8 85.2

101 9.9 7.7 11.5

130 21.4 16.8 25.2



#20

3+4-Methylphenols

Concen: 48.376 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion: 107 Resp: 278667

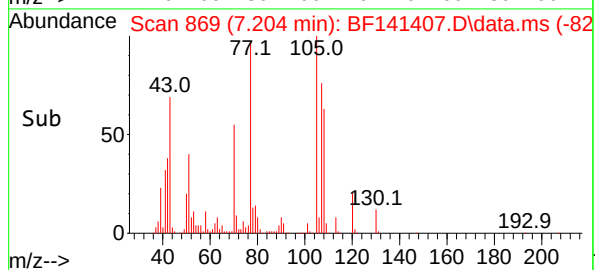
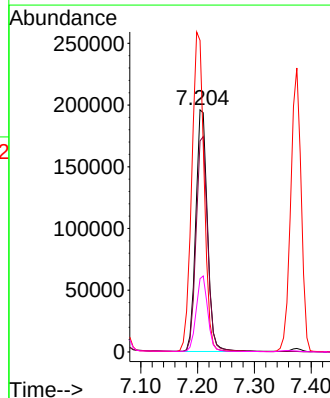
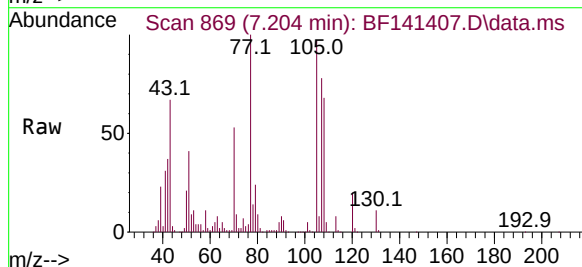
Ion Ratio Lower Upper

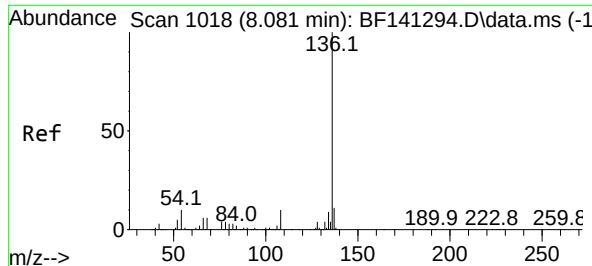
107 100

108 87.2 70.9 110.9

77 128.7 98.5 138.5

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

Tgt Ion:136 Resp: 331184

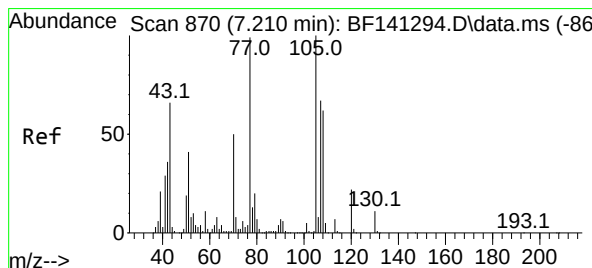
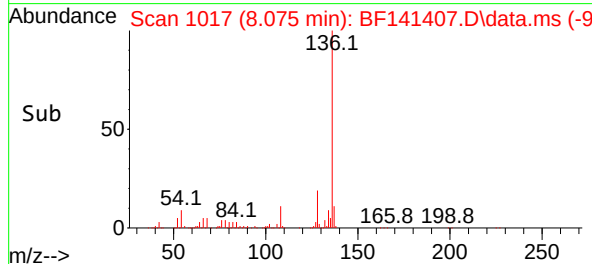
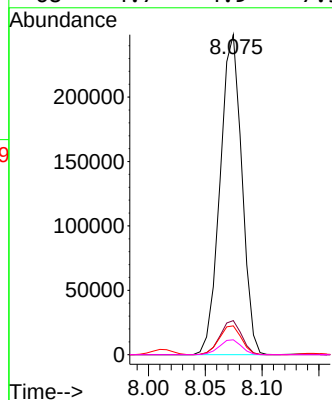
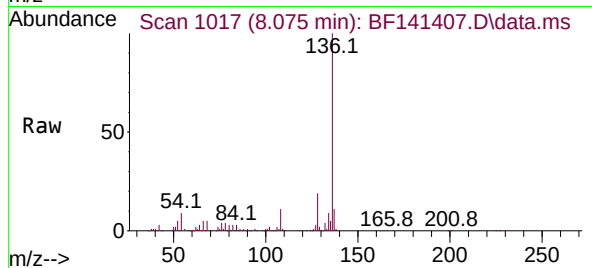
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 9.0 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 49.197 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:105 Resp: 387286

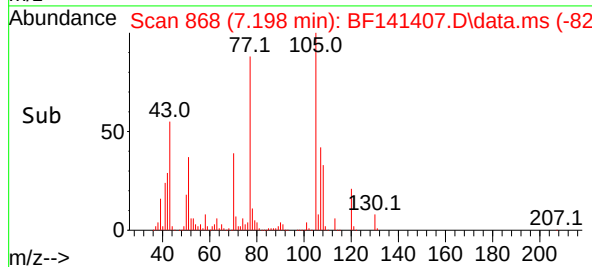
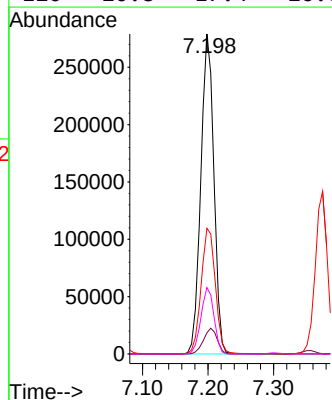
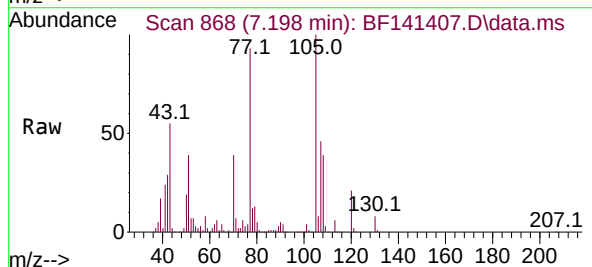
Ion Ratio Lower Upper

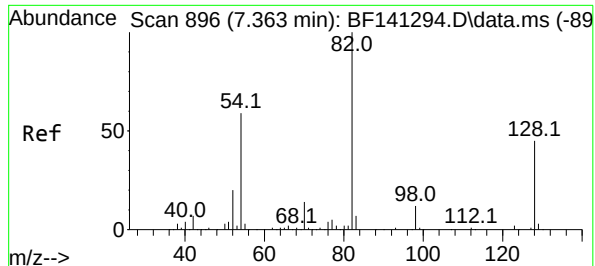
105 100

71 6.6 6.8 10.2#

51 39.2 32.6 49.0

120 20.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.213 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

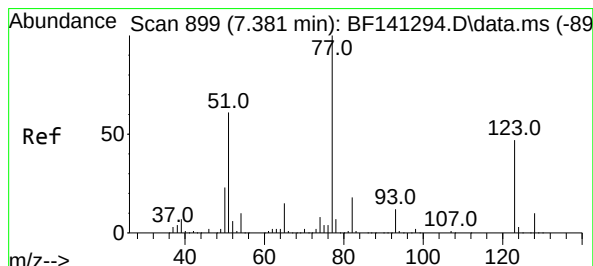
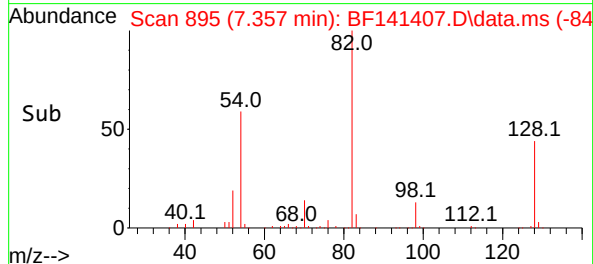
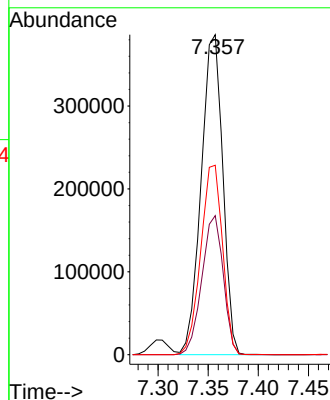
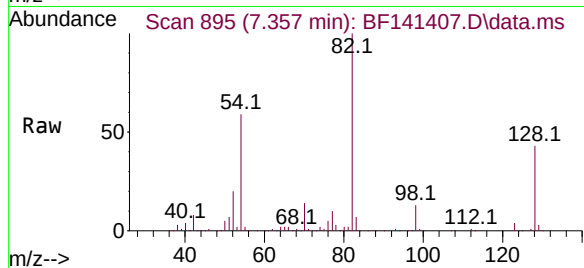
Tgt Ion: 82 Resp: 579317

Ion Ratio Lower Upper

82 100

128 43.5 35.7 53.5

54 59.2 47.1 70.7



#24

Nitrobenzene

Concen: 44.851 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

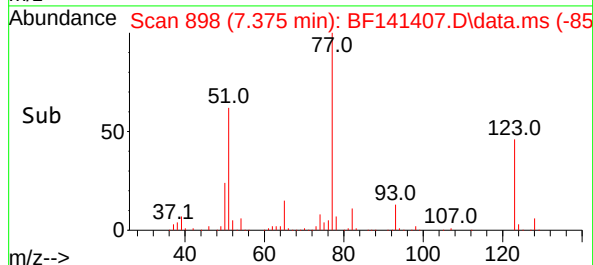
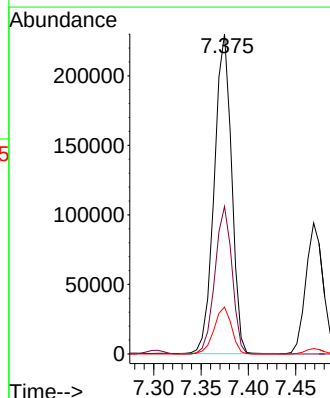
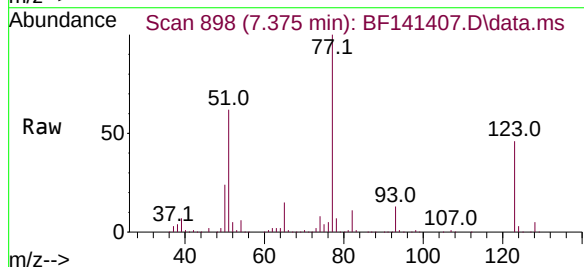
Tgt Ion: 77 Resp: 291997

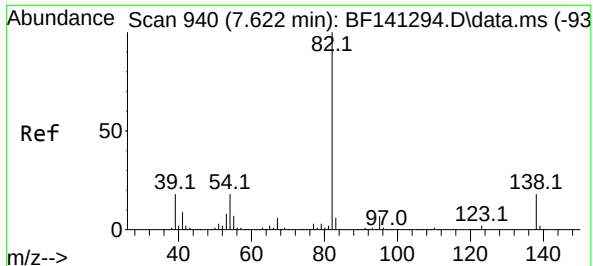
Ion Ratio Lower Upper

77 100

123 46.1 37.3 55.9

65 14.7 11.8 17.6

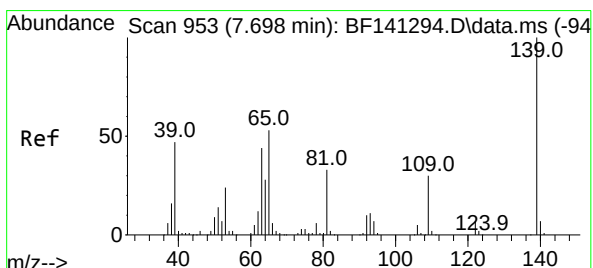
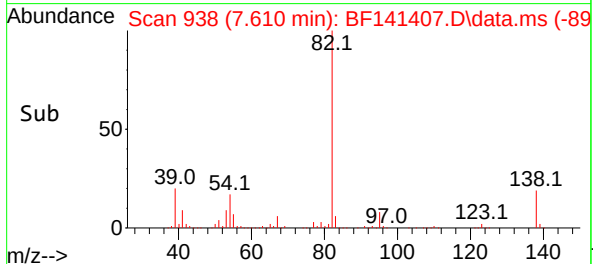
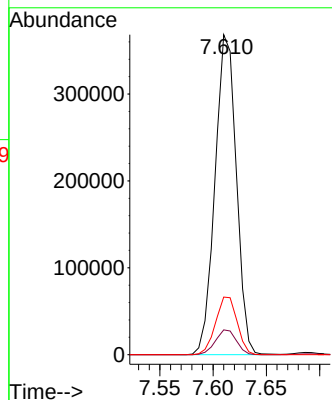
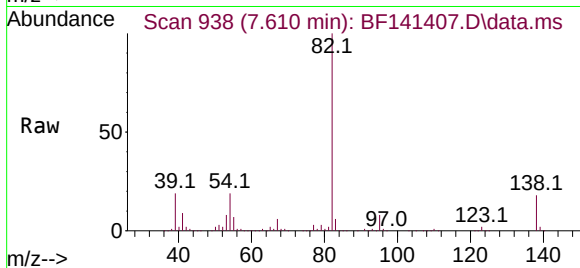




#25
Isophorone
Concen: 47.166 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

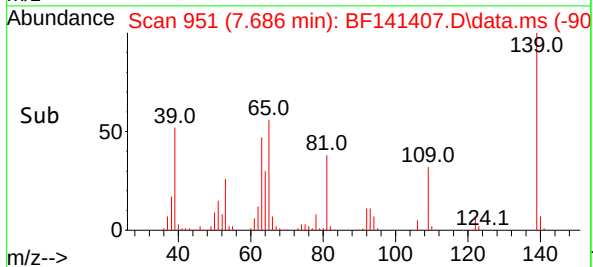
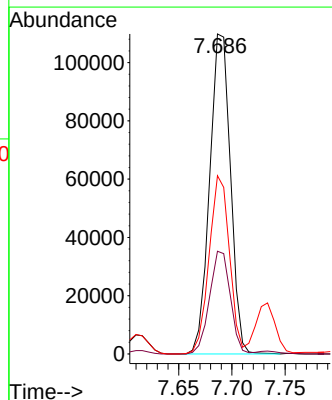
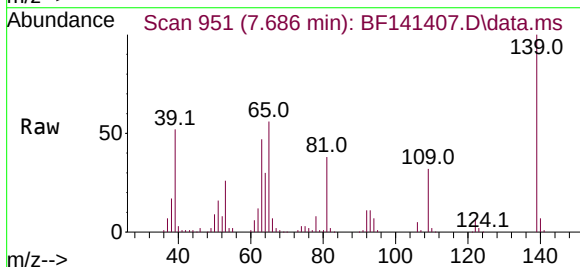
Instrument :
BNA_F
ClientSampleId :
PB166426BS

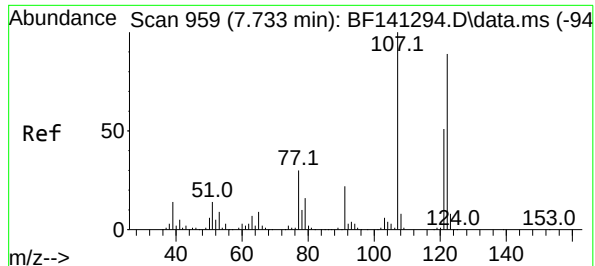
Tgt Ion:	82	Resp:	512208
Ion Ratio	Lower	Upper	
82	100		
95	7.7	5.8	8.6
138	18.0	14.7	22.1



#26
2-Nitrophenol
Concen: 48.573 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:	139	Resp:	149139
Ion Ratio	Lower	Upper	
139	100		
109	32.1	23.8	35.6
65	55.7	42.2	63.4





#27

2,4-Dimethylphenol

Concen: 54.835 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

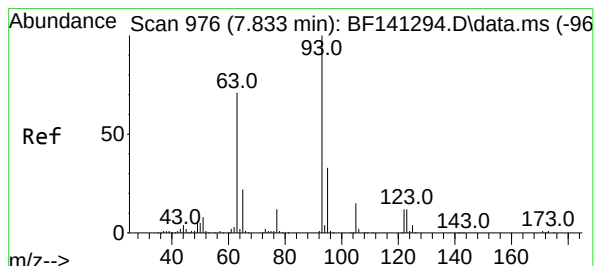
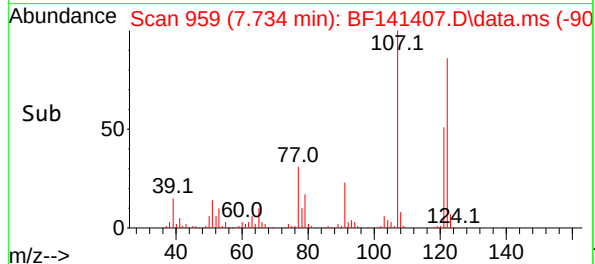
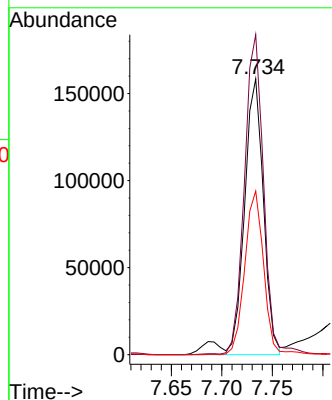
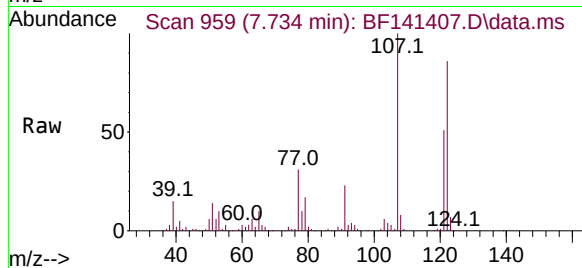
Tgt Ion:122 Resp: 214302

Ion Ratio Lower Upper

122 100

107 116.0 89.9 134.9

121 59.3 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 45.013 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

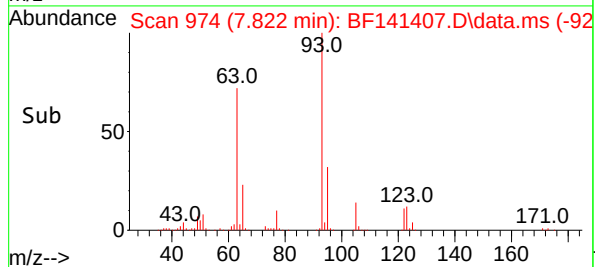
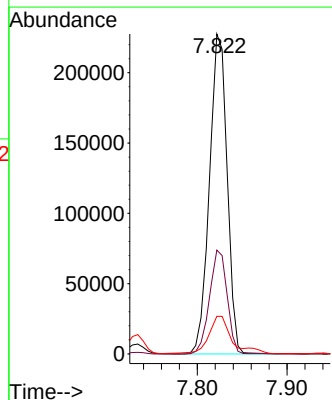
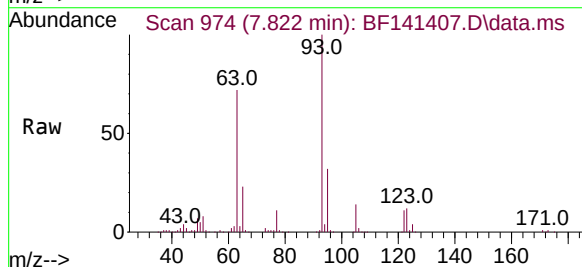
Tgt Ion: 93 Resp: 311809

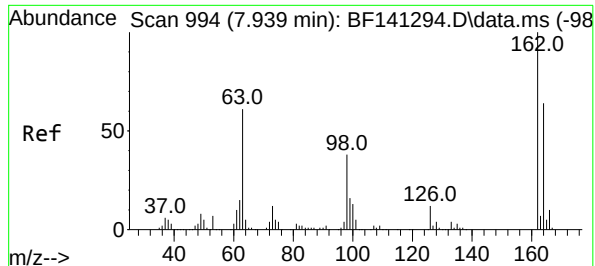
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.802 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

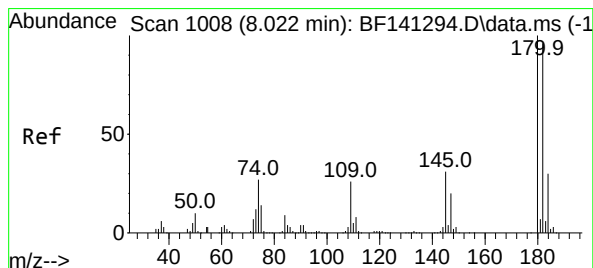
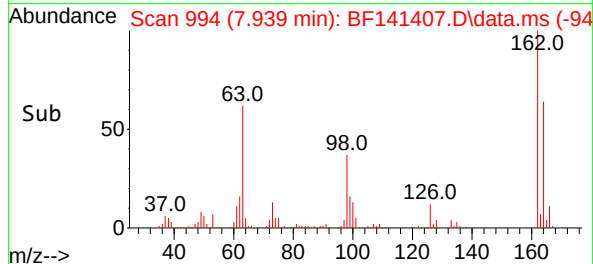
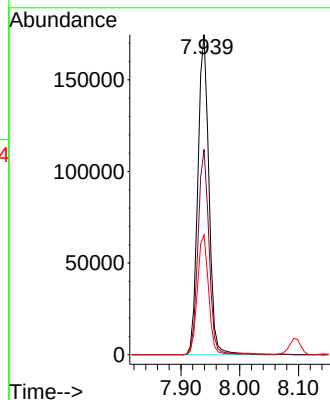
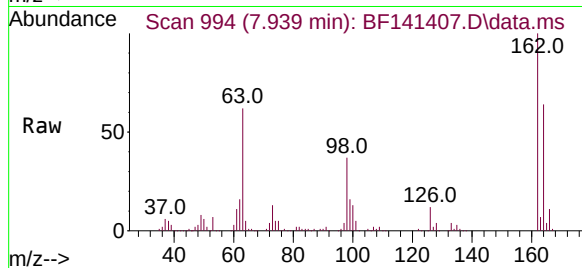
Tgt Ion:162 Resp: 228705

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.4 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 44.333 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

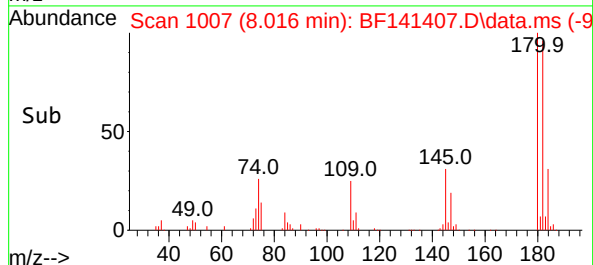
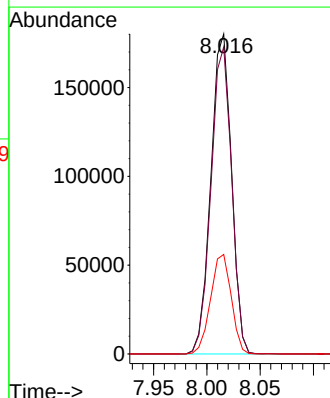
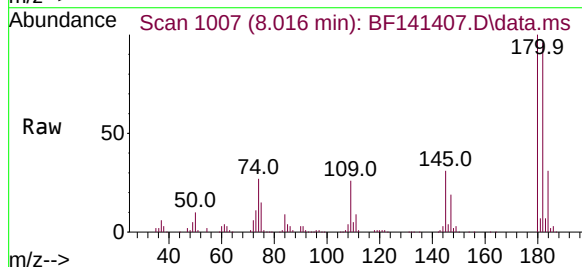
Tgt Ion:180 Resp: 242234

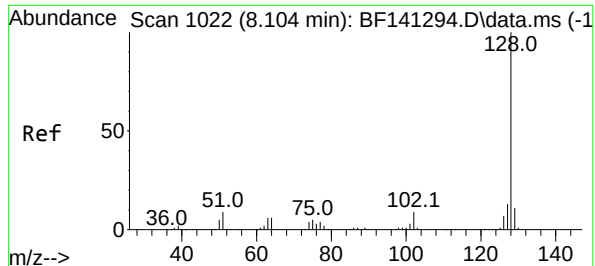
Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 45.673 ng

RT: 8.092 min Scan# 10

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

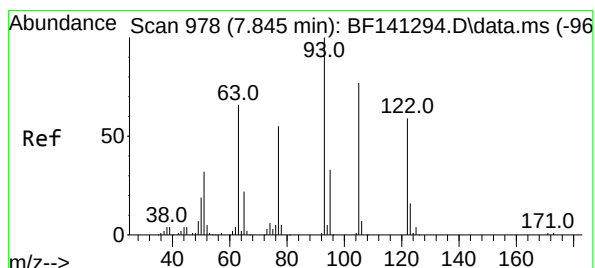
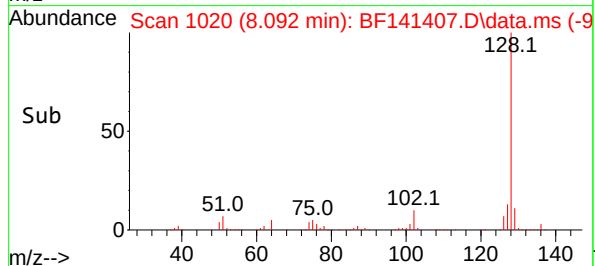
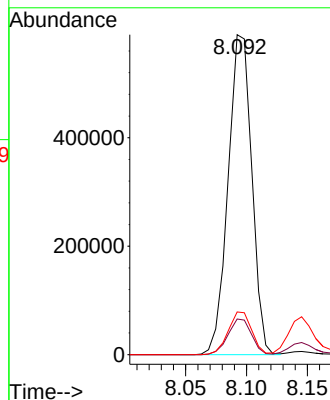
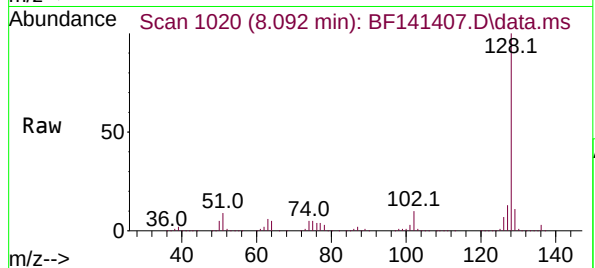
Tgt Ion:128 Resp: 799068

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.4 10.6 15.8



#32

Benzoic acid

Concen: 48.396 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

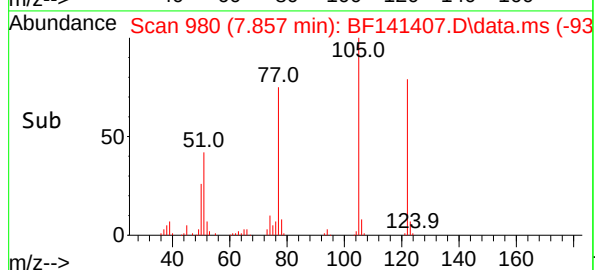
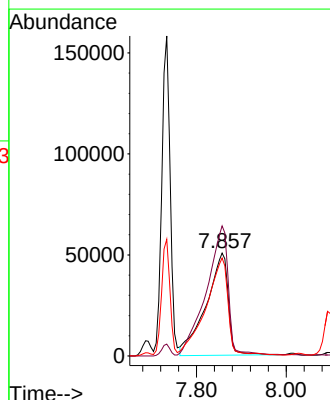
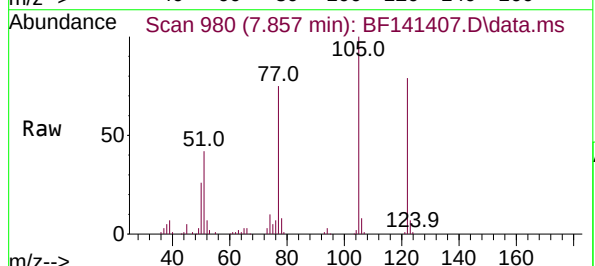
Tgt Ion:122 Resp: 173870

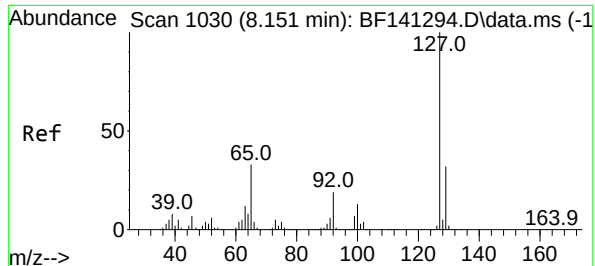
Ion Ratio Lower Upper

122 100

105 126.5 103.4 143.4

77 95.1 70.9 110.9





#33

4-Chloroaniline

Concen: 18.861 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

Tgt Ion:127 Resp: 111900

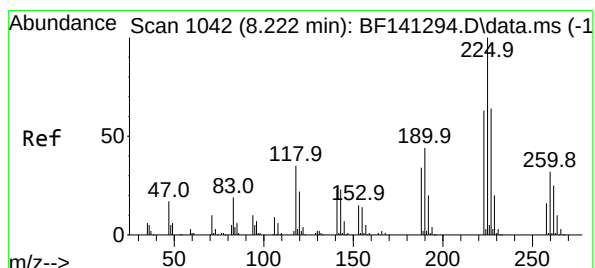
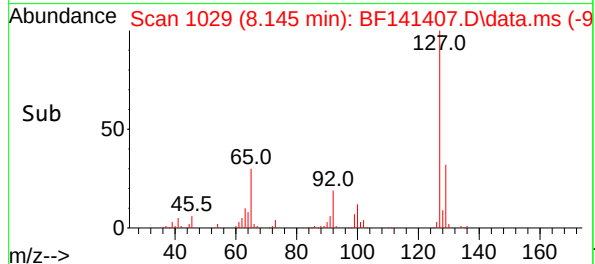
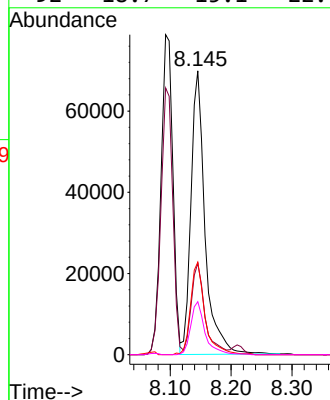
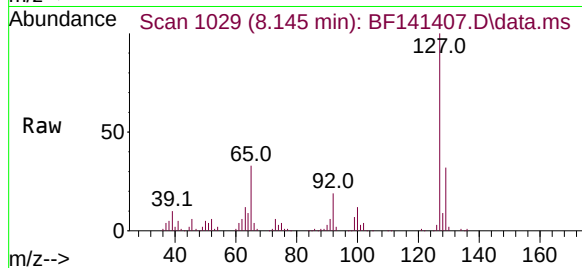
Ion Ratio Lower Upper

127 100

129 32.3 25.7 38.5

65 32.6 26.4 39.6

92 18.7 15.1 22.7



#34

Hexachlorobutadiene

Concen: 47.999 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

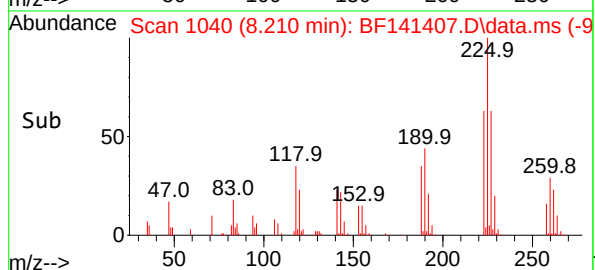
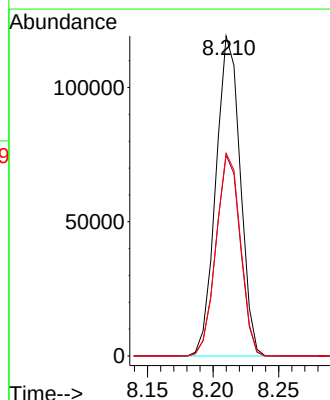
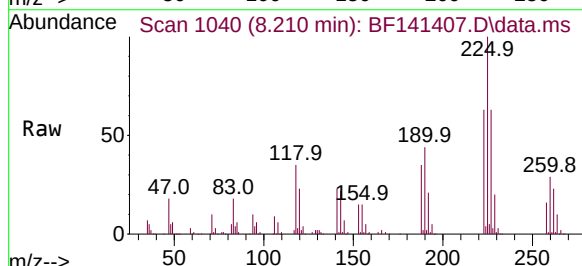
Tgt Ion:225 Resp: 153801

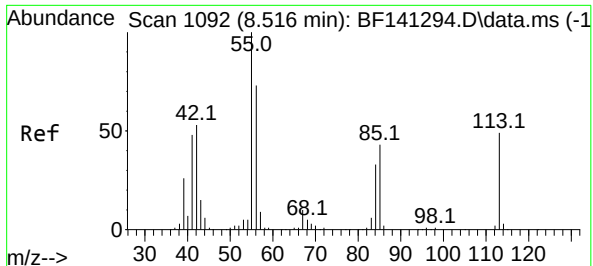
Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

227 63.4 51.3 76.9





#35

Caprolactam

Concen: 45.688 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

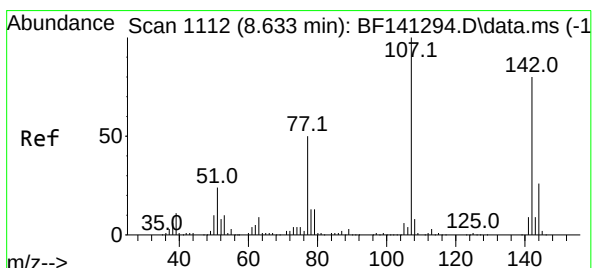
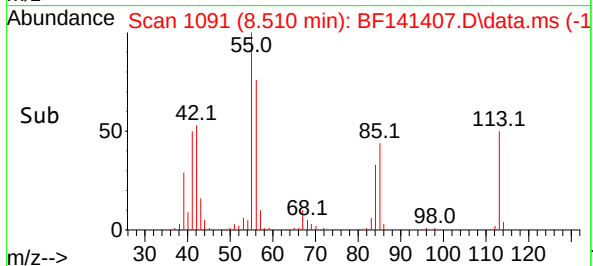
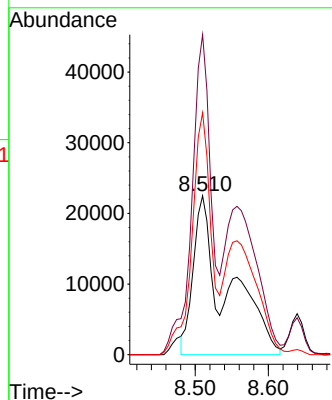
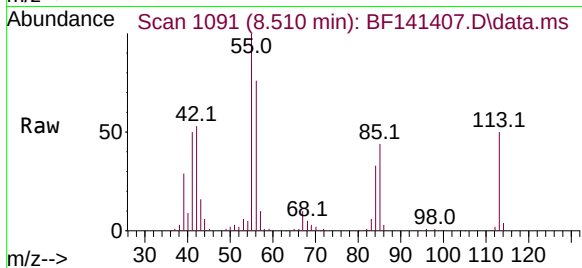
Tgt Ion:113 Resp: 71389

Ion Ratio Lower Upper

113 100

55 201.4 182.9 222.9

56 152.2 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 49.256 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

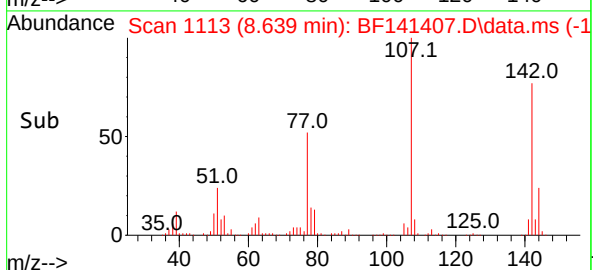
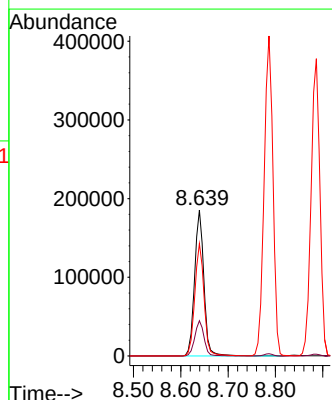
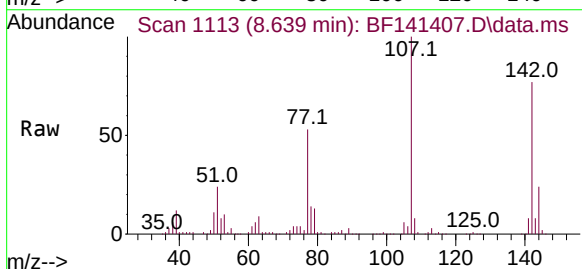
Tgt Ion:107 Resp: 252782

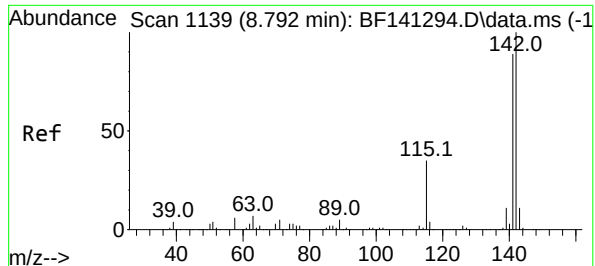
Ion Ratio Lower Upper

107 100

144 24.1 20.7 31.1

142 77.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 47.126 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

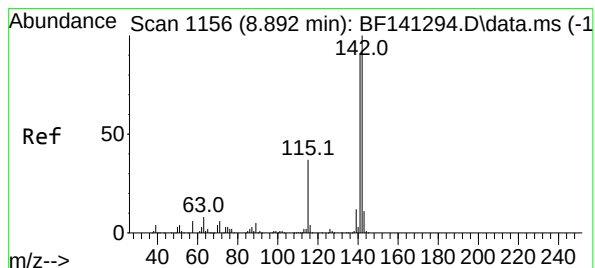
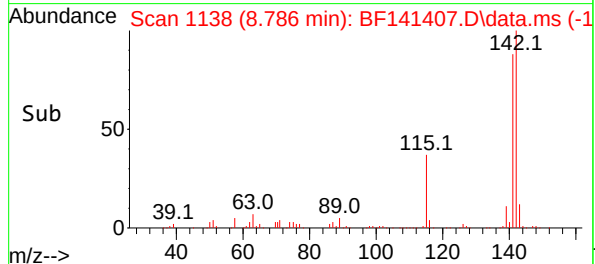
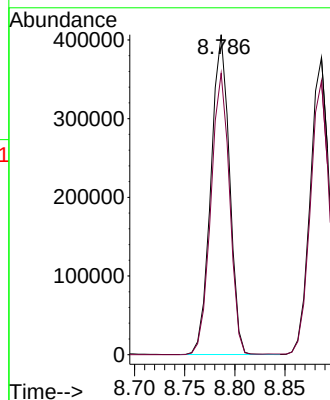
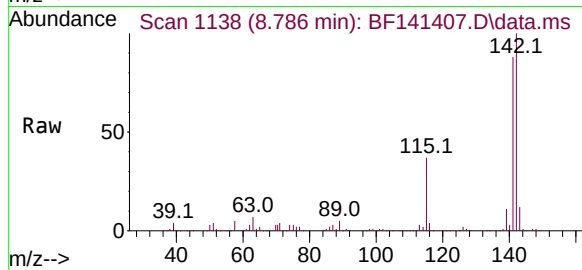
PB166426BS

Tgt Ion:142 Resp: 524031

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 44.732 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141407.D

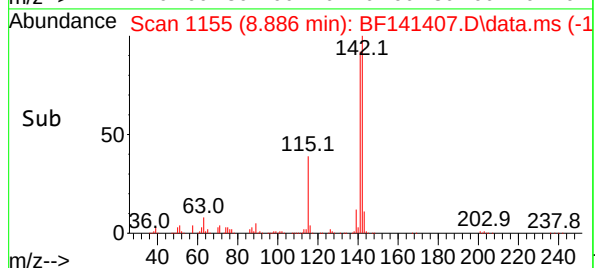
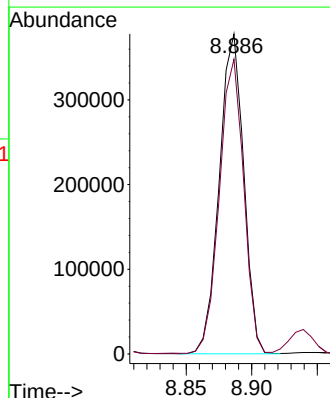
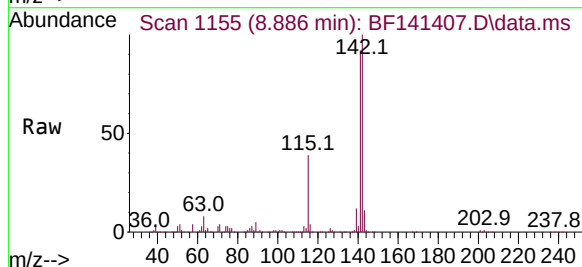
Acq: 04 Feb 2025 14:39

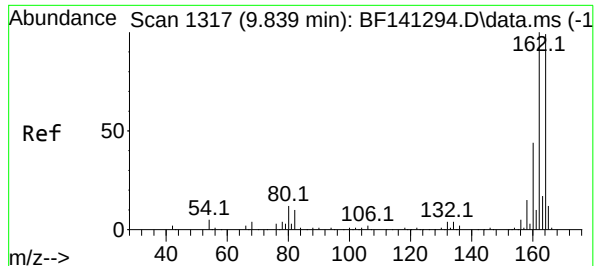
Tgt Ion:142 Resp: 488613

Ion Ratio Lower Upper

142 100

141 92.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

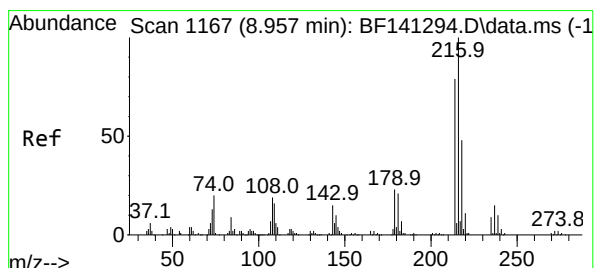
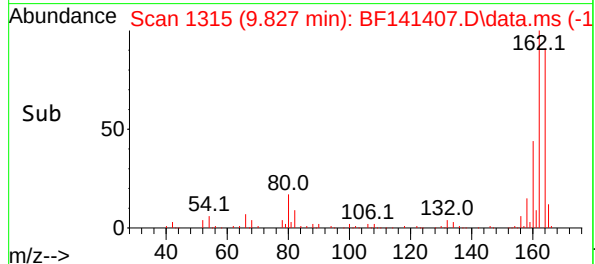
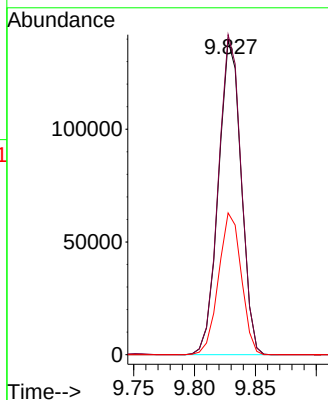
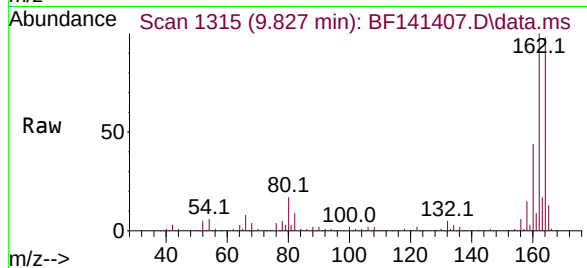
Tgt Ion:164 Resp: 180993

Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 45.1 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.415 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:216 Resp: 244141

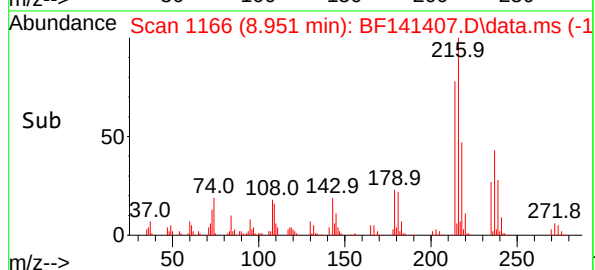
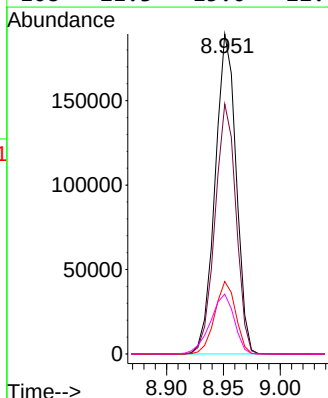
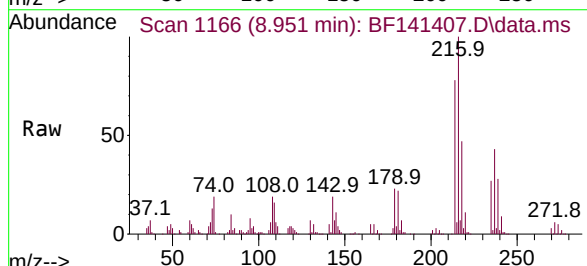
Ion Ratio Lower Upper

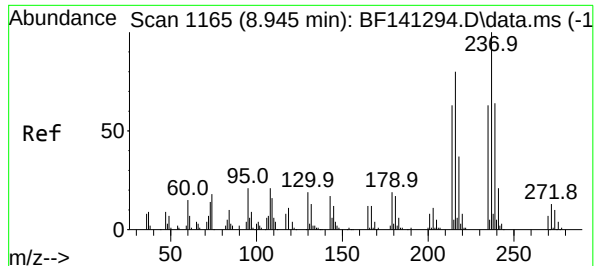
216 100

214 77.9 63.2 94.8

179 22.5 17.8 26.8

108 21.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 192.529 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

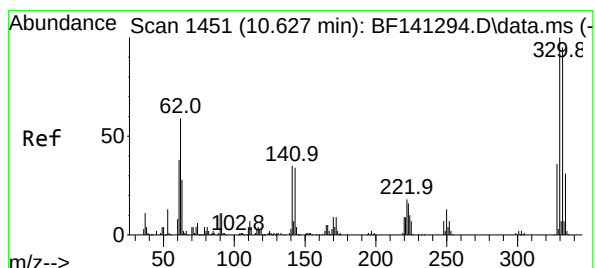
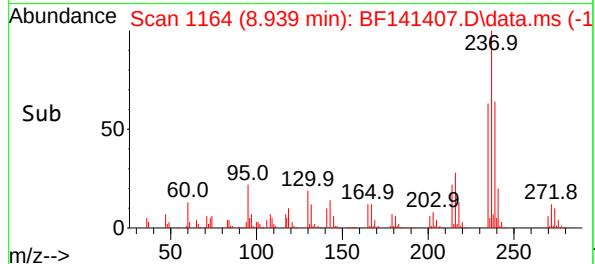
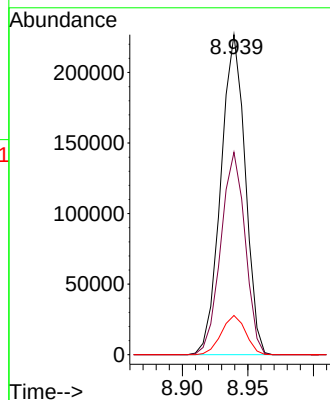
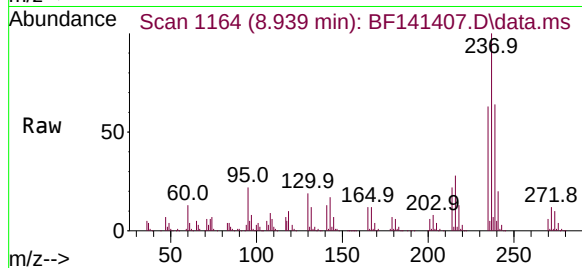
Tgt Ion:237 Resp: 292771

Ion Ratio Lower Upper

237 100

235 63.3 42.9 82.9

272 12.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 153.605 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

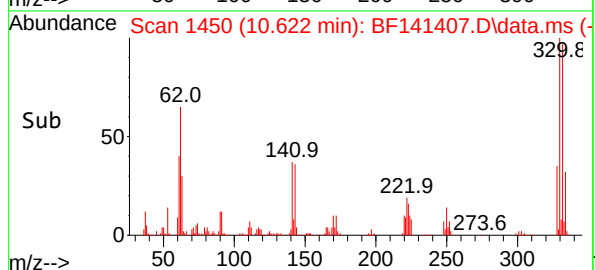
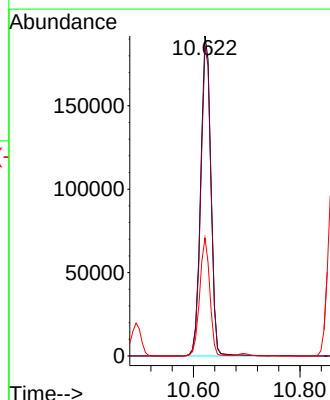
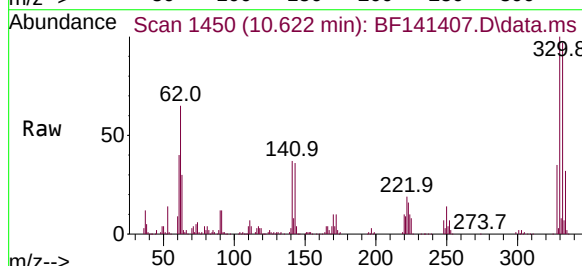
Tgt Ion:330 Resp: 254875

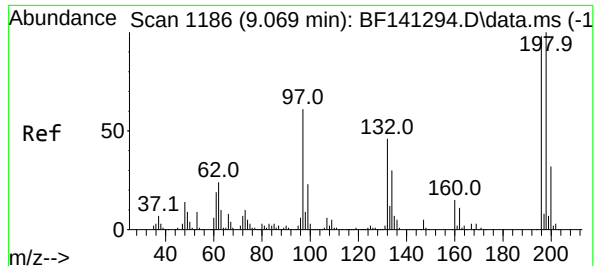
Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

141 36.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 48.807 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

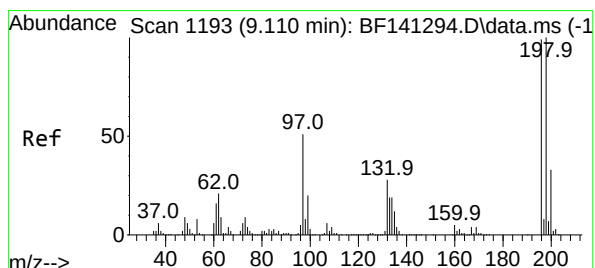
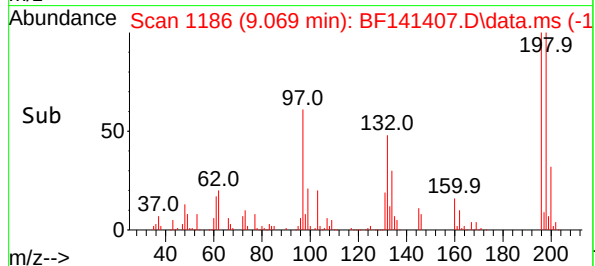
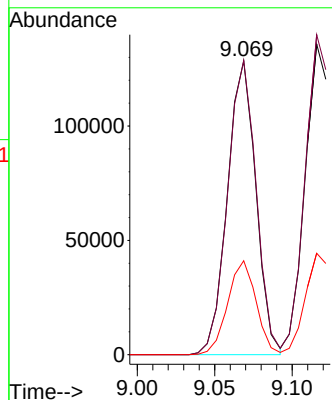
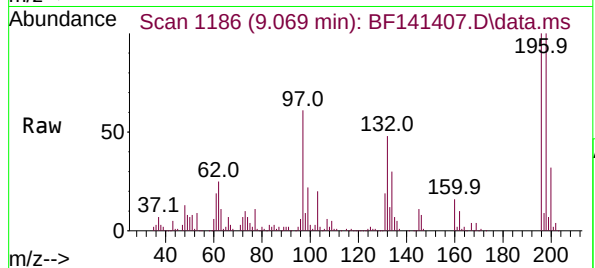
Tgt Ion:196 Resp: 164492

Ion Ratio Lower Upper

196 100

198 100.3 81.8 122.6

200 32.0 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 47.278 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:196 Resp: 173420

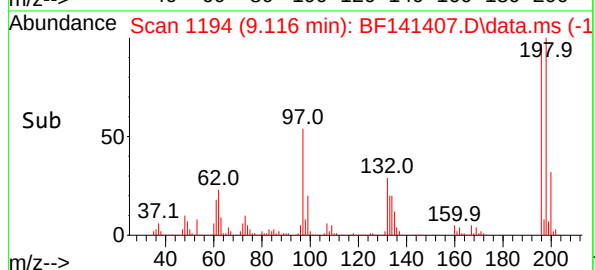
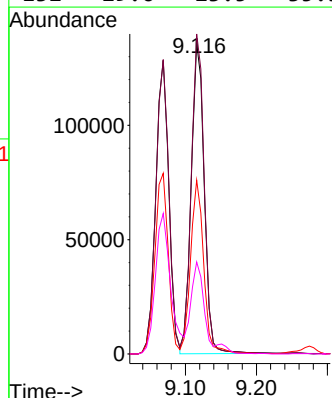
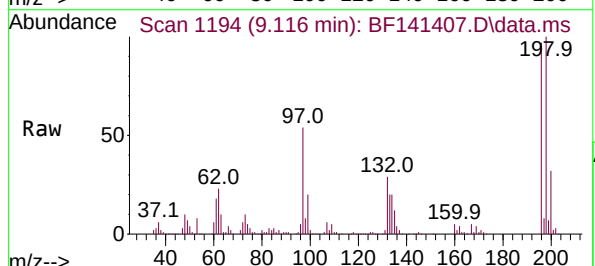
Ion Ratio Lower Upper

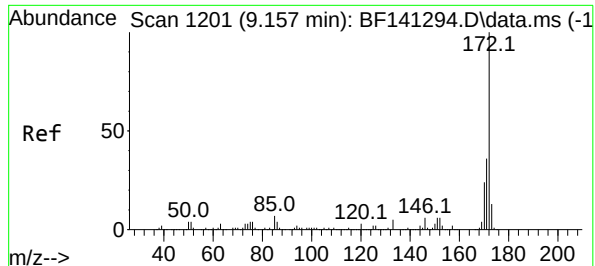
196 100

198 103.0 80.5 120.7

97 56.0 42.8 64.2

132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 93.511 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

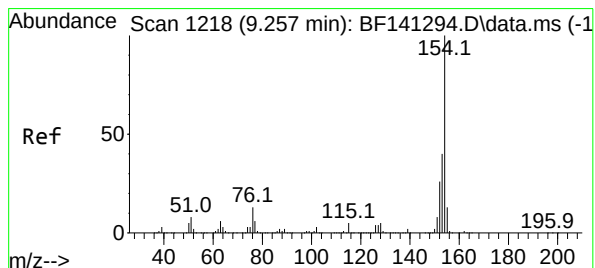
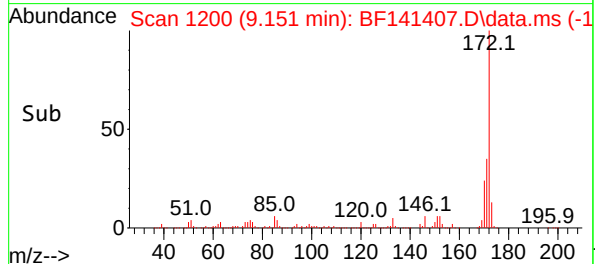
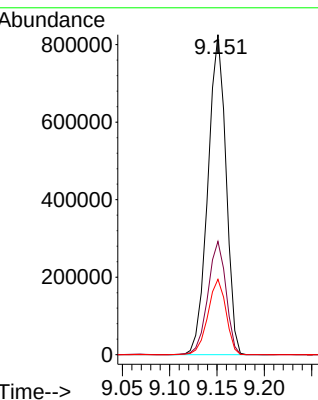
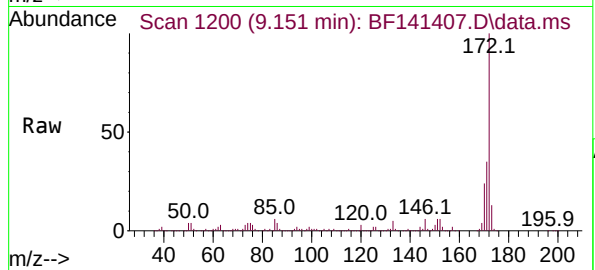
Tgt Ion:172 Resp: 1099591

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 46.471 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

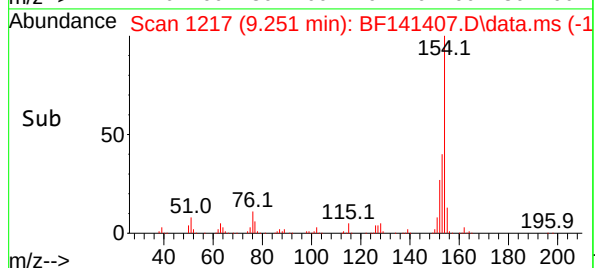
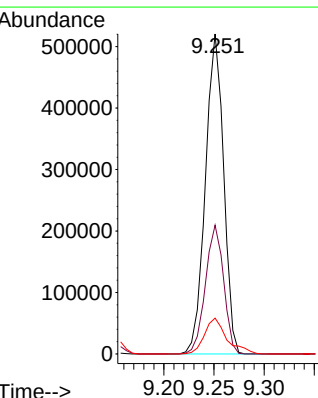
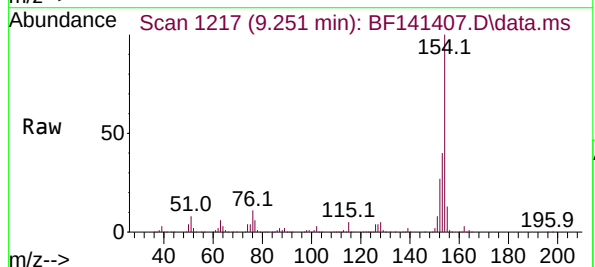
Tgt Ion:154 Resp: 655951

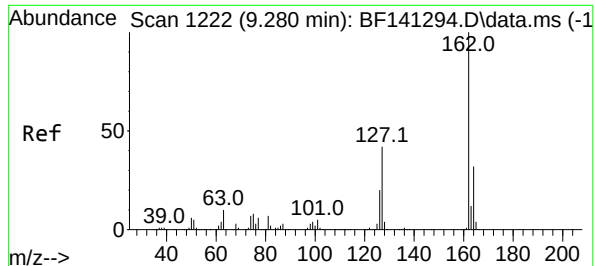
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 11.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 44.496 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

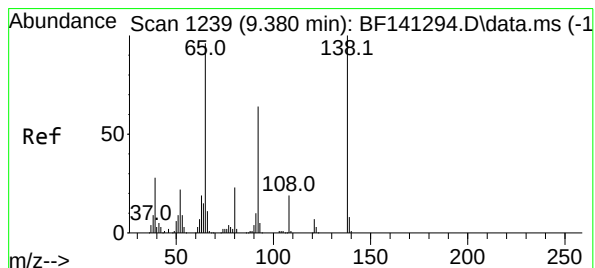
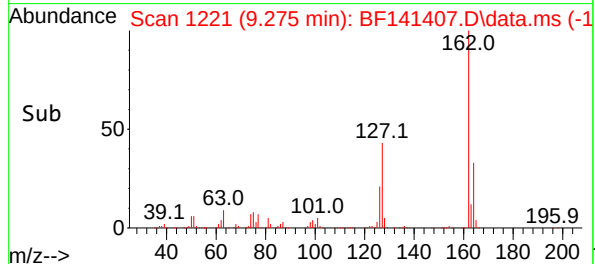
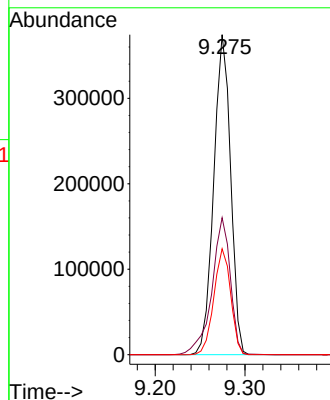
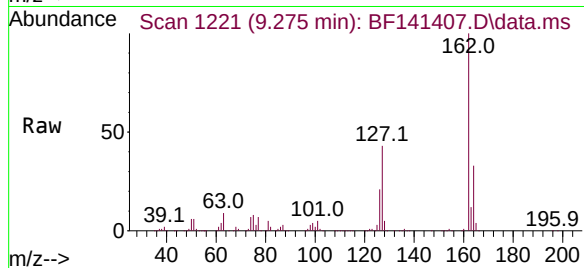
Tgt Ion:162 Resp: 489548

Ion Ratio Lower Upper

162 100

127 42.8 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 49.205 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

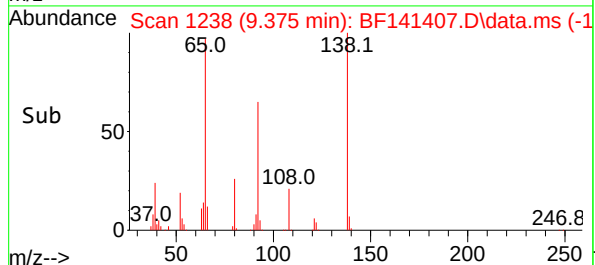
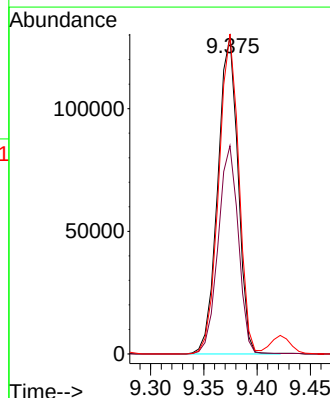
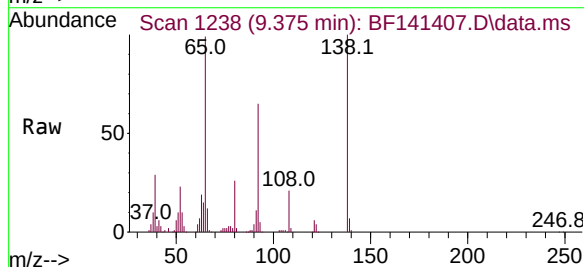
Tgt Ion: 65 Resp: 170280

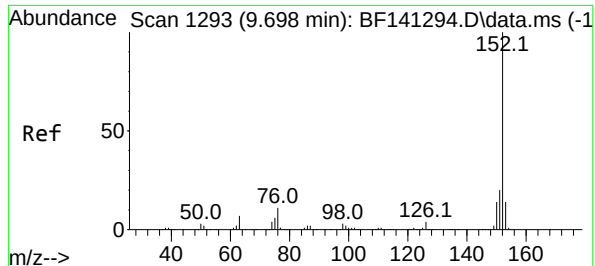
Ion Ratio Lower Upper

65 100

92 65.7 53.3 79.9

138 101.0 83.6 125.4





#49

Acenaphthylene

Concen: 49.410 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

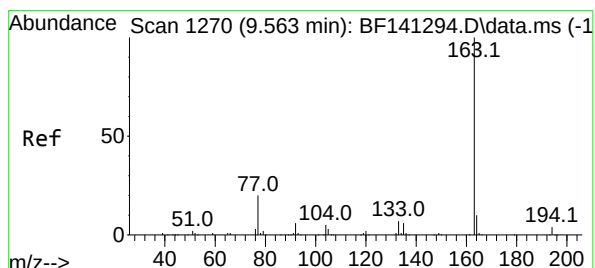
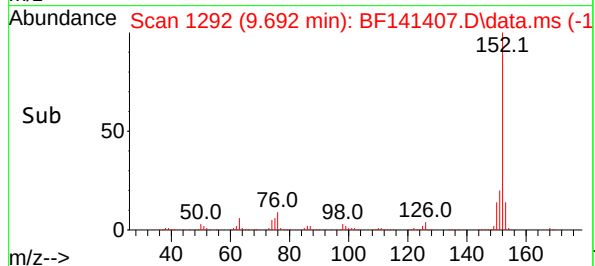
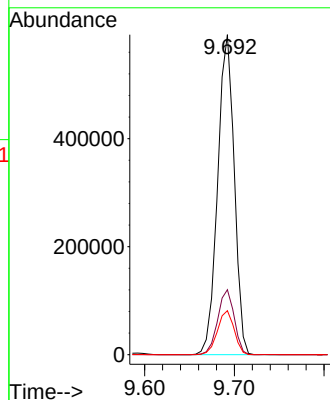
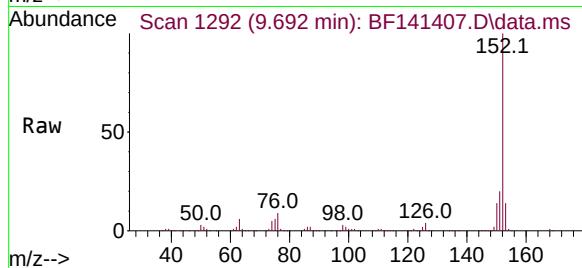
Tgt Ion:152 Resp: 760954

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 48.572 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

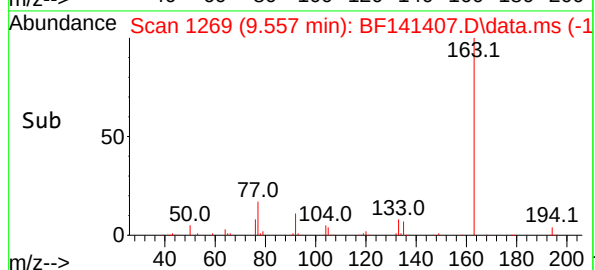
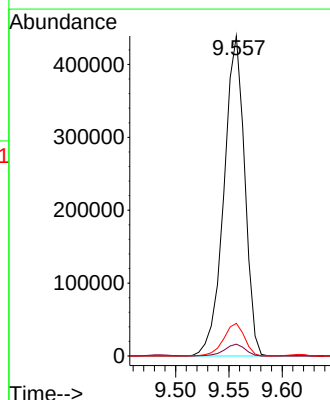
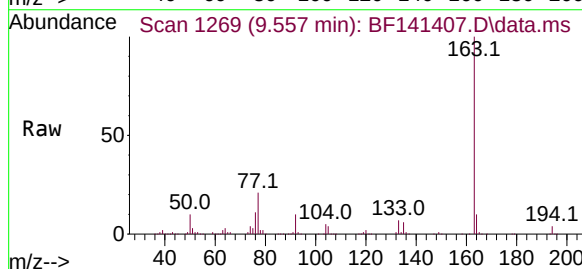
Tgt Ion:163 Resp: 593755

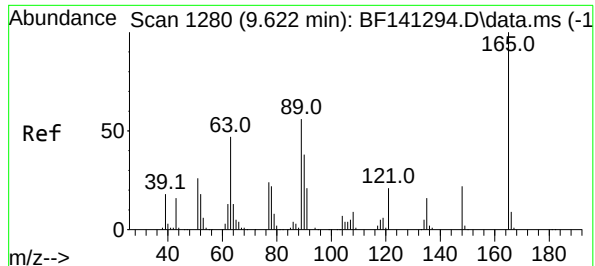
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 46.808 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

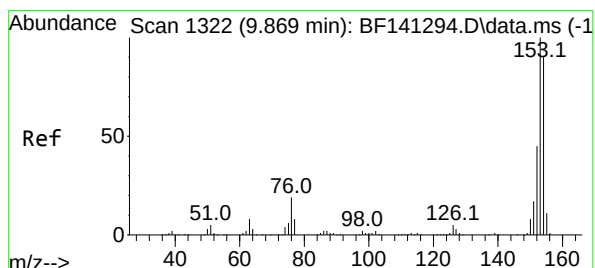
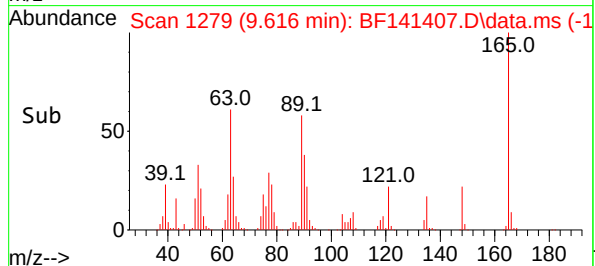
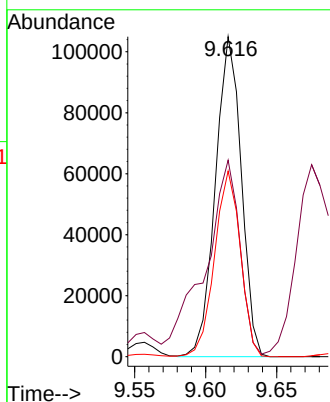
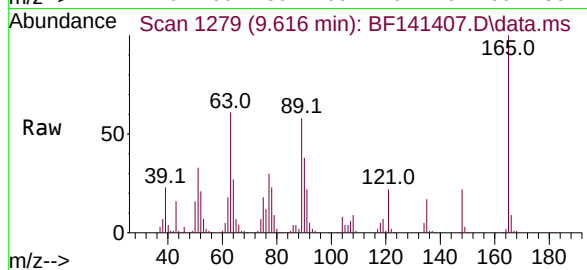
Tgt Ion:165 Resp: 132856

Ion Ratio Lower Upper

165 100

63 61.4 48.1 72.1

89 58.0 44.9 67.3



#52

Acenaphthene

Concen: 53.779 ng m

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

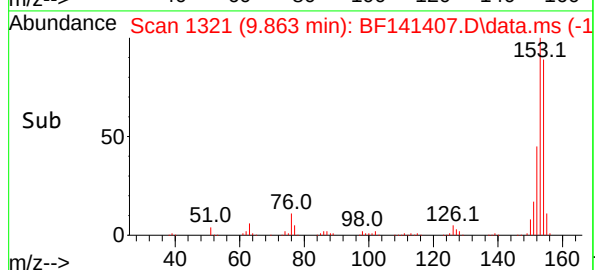
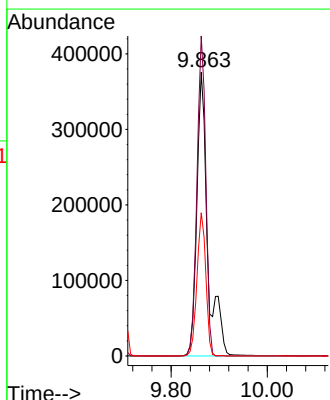
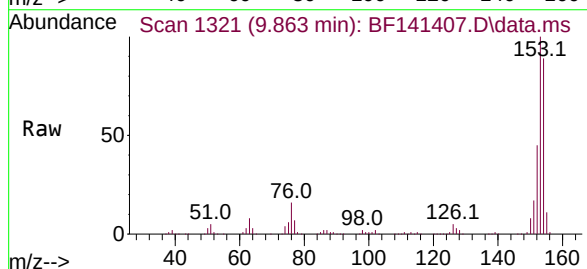
Tgt Ion:154 Resp: 591701

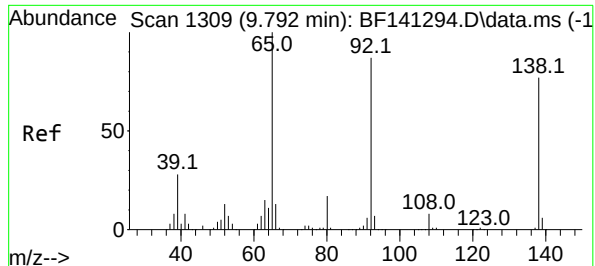
Ion Ratio Lower Upper

154 100

153 112.8 89.0 133.4

152 50.5 40.2 60.4





#53

3-Nitroaniline

Concen: 29.013 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

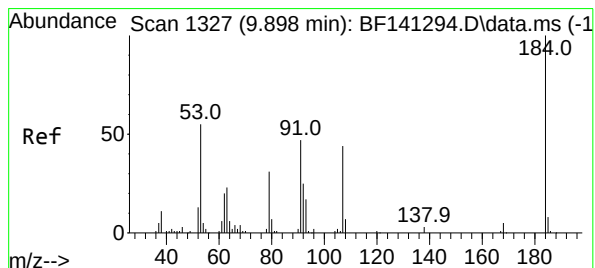
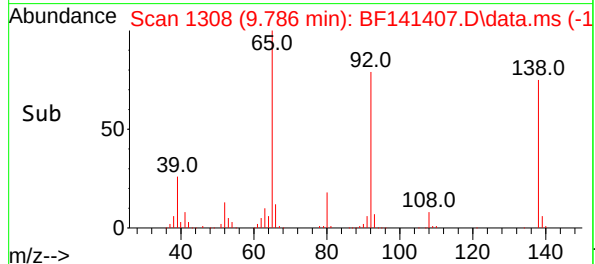
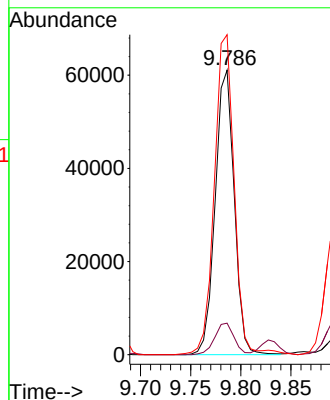
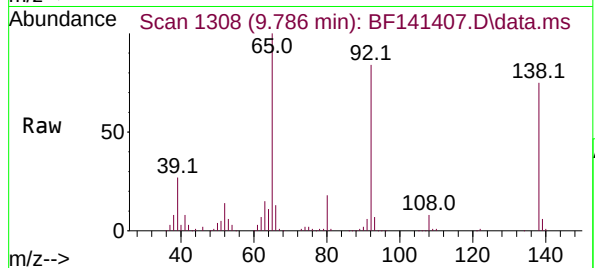
Tgt Ion:138 Resp: 80709

Ion Ratio Lower Upper

138 100

108 11.1 8.6 12.8

92 112.5 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 117.244 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

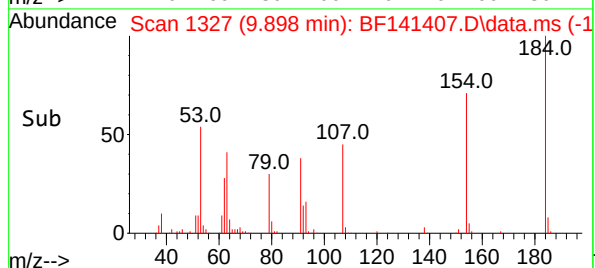
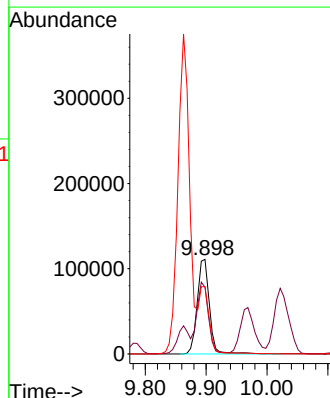
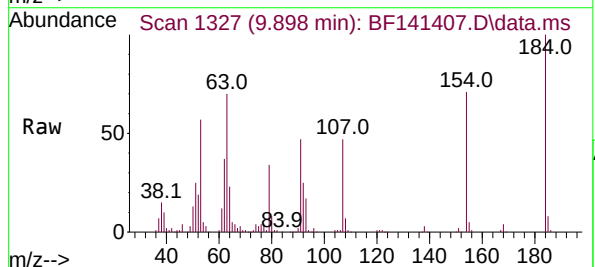
Tgt Ion:184 Resp: 154693

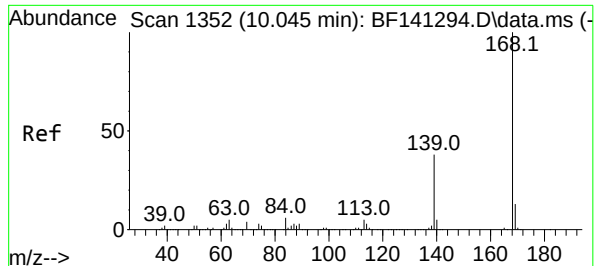
Ion Ratio Lower Upper

184 100

63 70.5 54.1 81.1

154 71.2 50.7 76.1





#55

Dibenzenofuran

Concen: 47.547 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

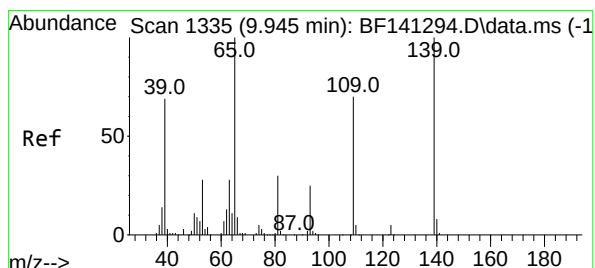
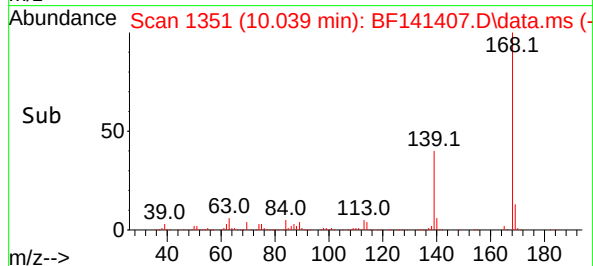
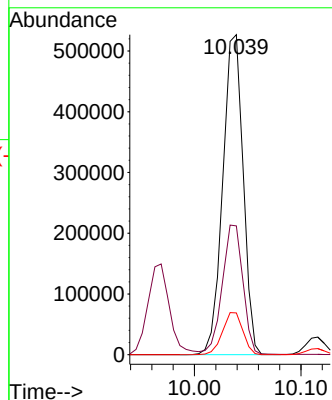
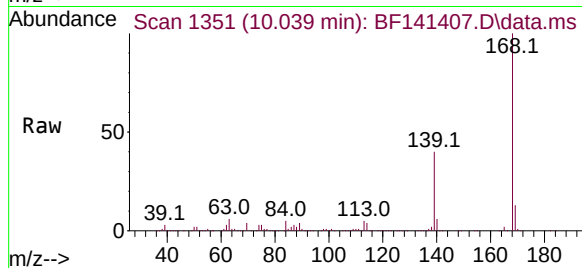
Tgt Ion:168 Resp: 700235

Ion Ratio Lower Upper

168 100

139 40.3 30.6 46.0

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 104.299 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

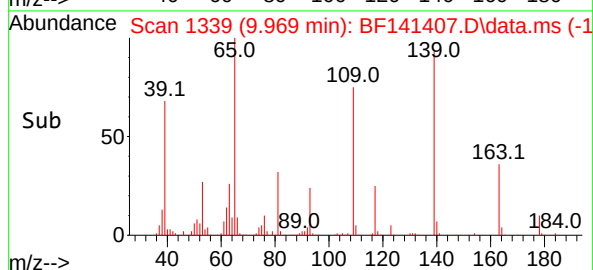
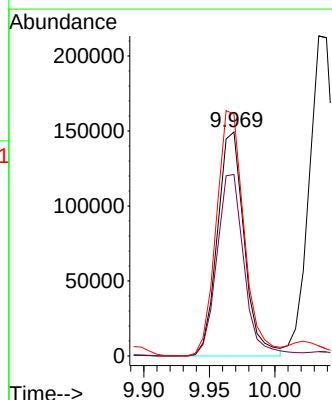
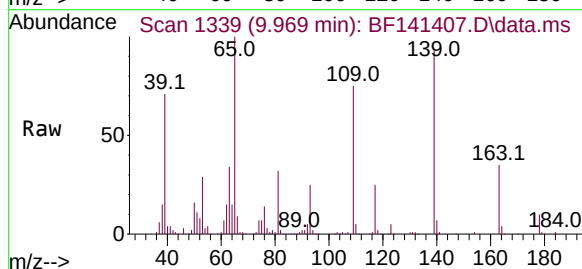
Tgt Ion:139 Resp: 212195

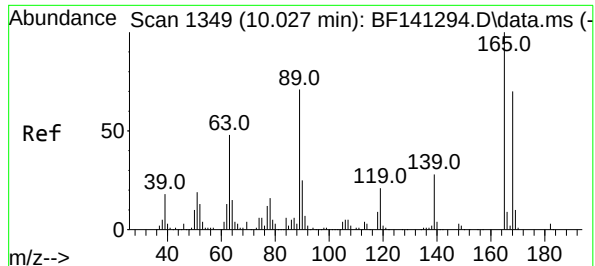
Ion Ratio Lower Upper

139 100

109 81.0 50.2 90.2

65 108.0 80.6 120.6

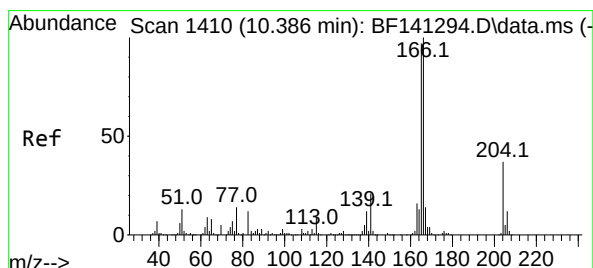
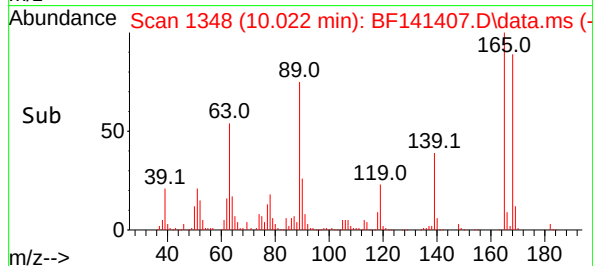
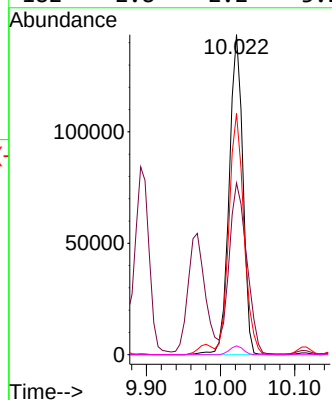
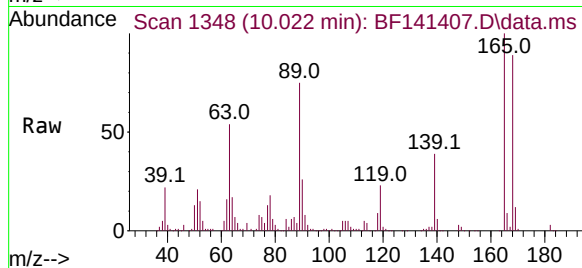




#57
2,4-Dinitrotoluene
Concen: 50.028 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

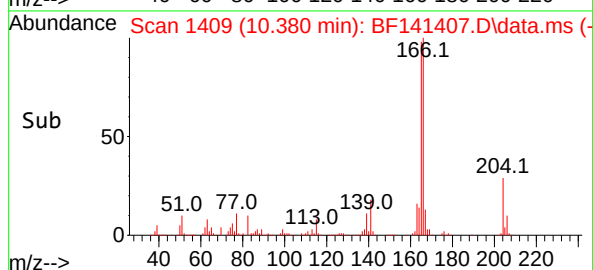
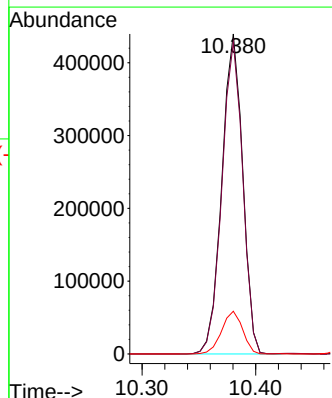
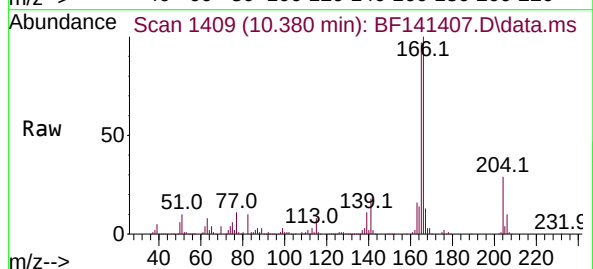
Instrument :
BNA_F
ClientSampleId :
PB166426BS

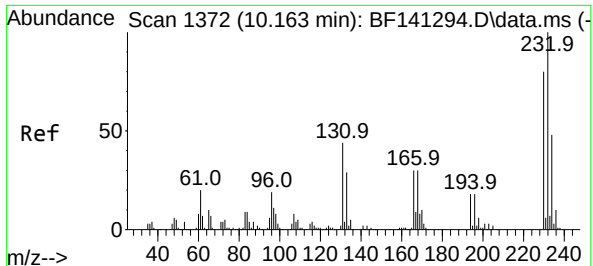
Tgt Ion:	165	Resp:	183846
Ion	Ratio	Lower	Upper
165	100		
63	53.6	39.2	58.8
89	75.4	56.9	85.3
182	2.8	2.2	3.2



#58
Fluorene
Concen: 49.031 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:	166	Resp:	560118
Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.5	116.3
167	13.4	10.9	16.3

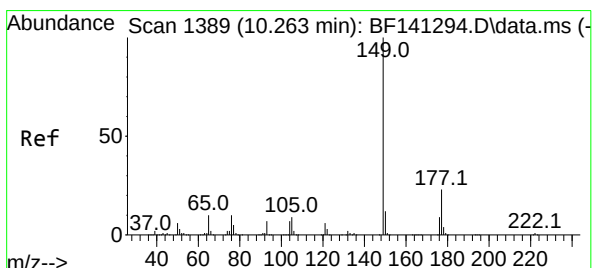
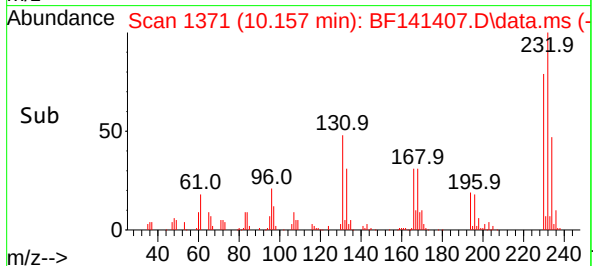
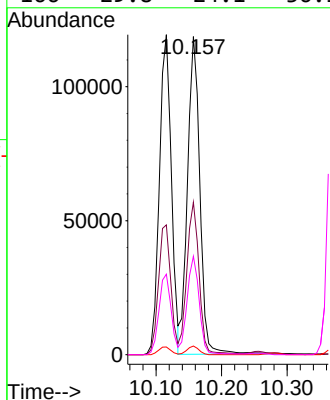
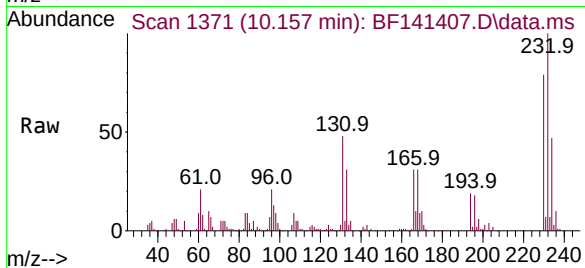




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.634 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

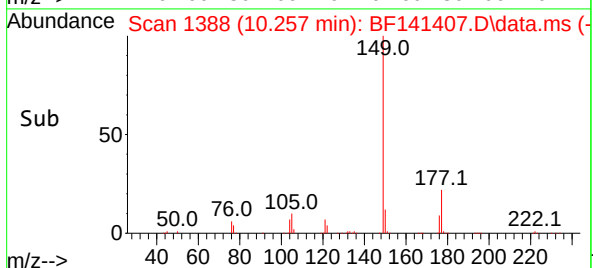
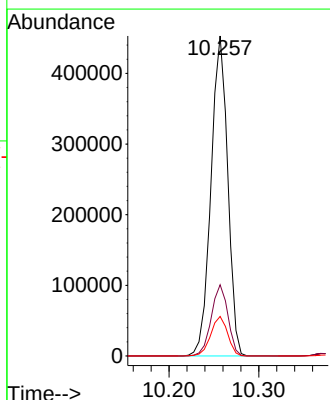
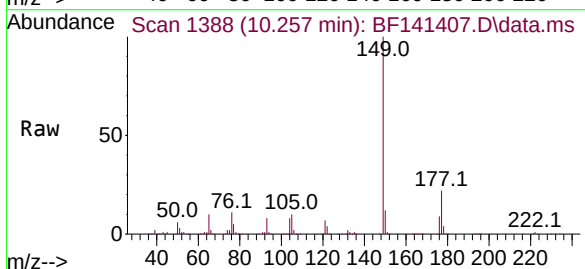
Instrument :
BNA_F
ClientSampleId :
PB166426BS

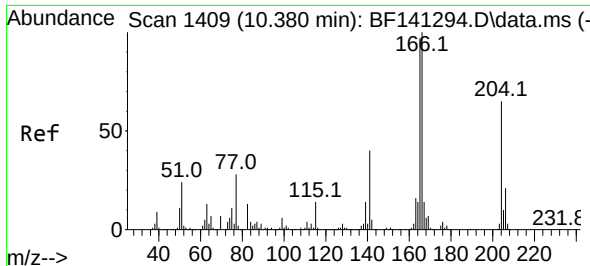
Tgt Ion:232 Resp: 154775
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.6 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 49.503 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:149 Resp: 586751
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.3 10.0 15.0

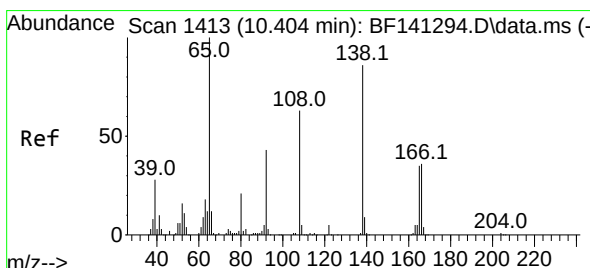
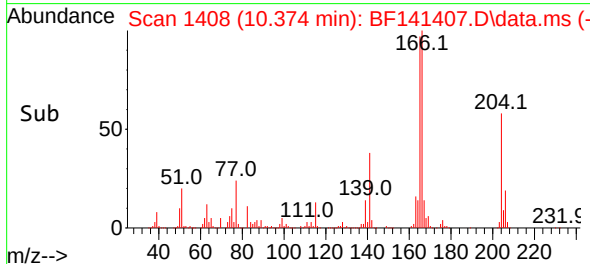
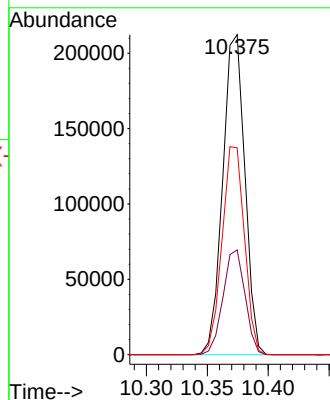
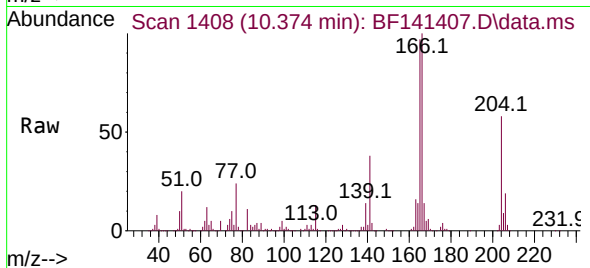




#61
4-Chlorophenyl-phenylether
Concen: 48.191 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

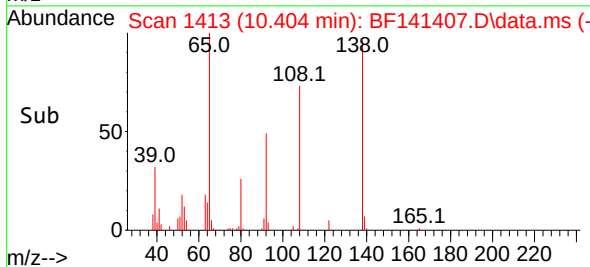
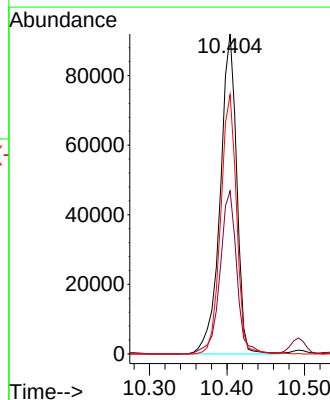
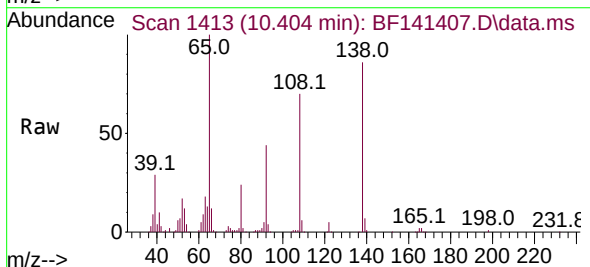
Instrument :
BNA_F
ClientSampleId :
PB166426BS

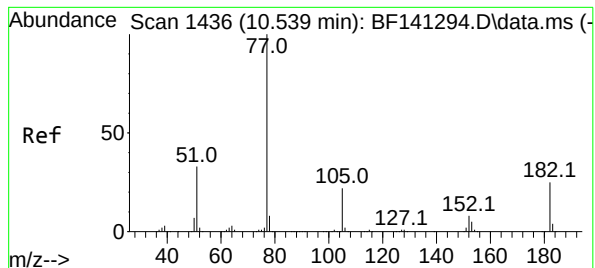
Tgt Ion:204 Resp: 268913
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 64.6 49.5 74.3



#62
4-Nitroaniline
Concen: 49.710 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:138 Resp: 135954
Ion Ratio Lower Upper
138 100
92 51.0 30.1 70.1
108 81.0 53.1 93.1

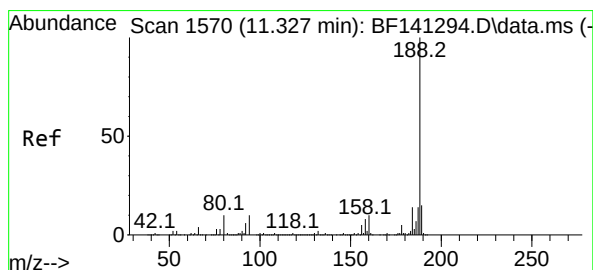
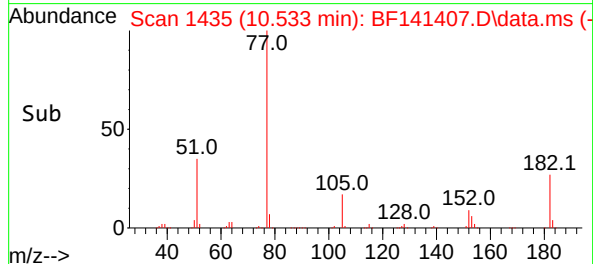
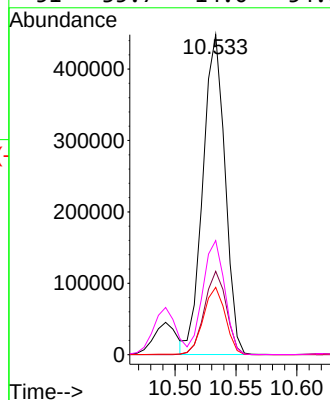
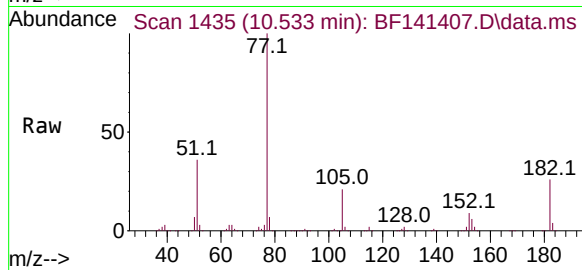




#63
Azobenzene
Concen: 47.614 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

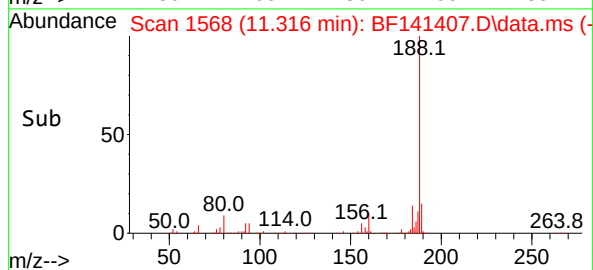
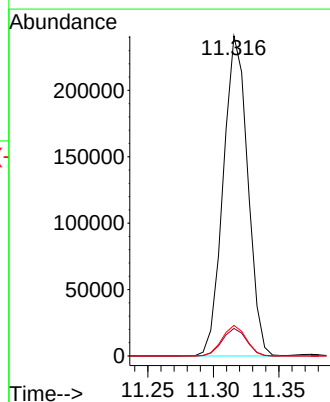
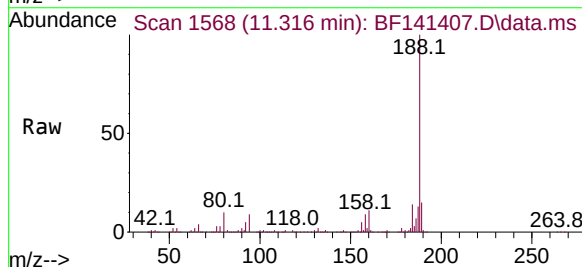
Instrument :
BNA_F
ClientSampleId :
PB166426BS

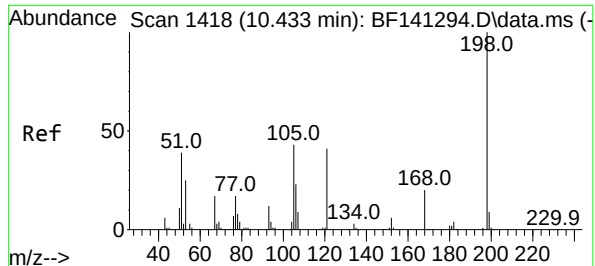
Tgt Ion: 77	Resp: 564907
Ion Ratio	Lower Upper
77 100	
182 26.1	5.1 45.1
105 21.0	1.8 41.8
51 35.7	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:188	Resp: 312610
Ion Ratio	Lower Upper
188 100	
94 8.6	7.8 11.6
80 9.6	8.2 12.4

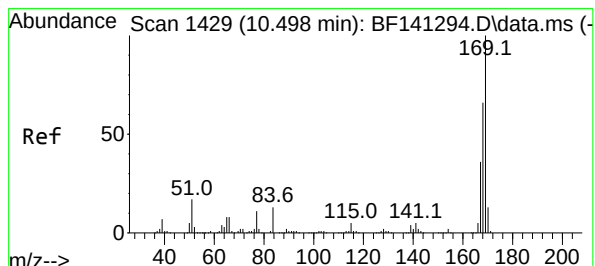
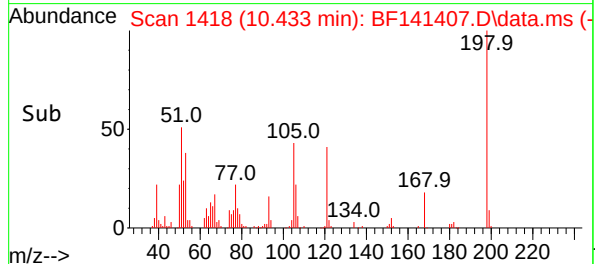
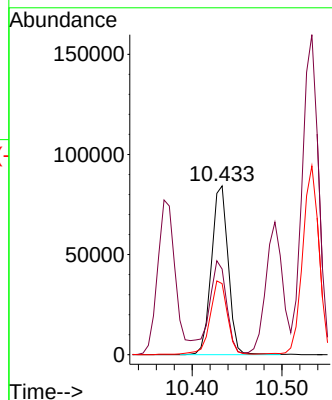
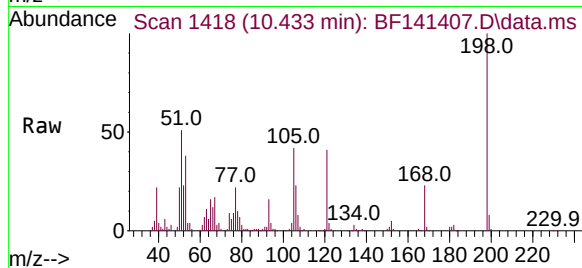




#65
4,6-Dinitro-2-methylphenol
Concen: 58.982 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

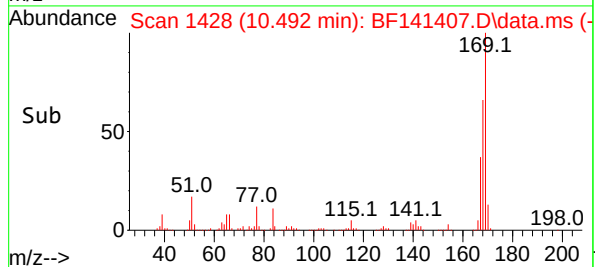
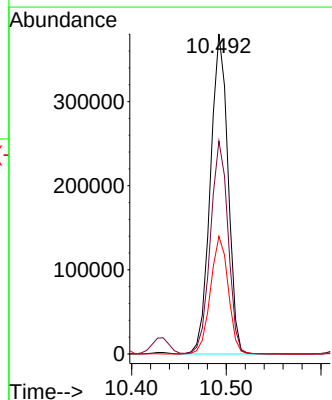
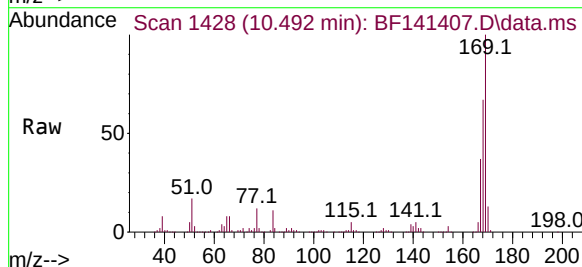
Instrument :
BNA_F
ClientSampleId :
PB166426BS

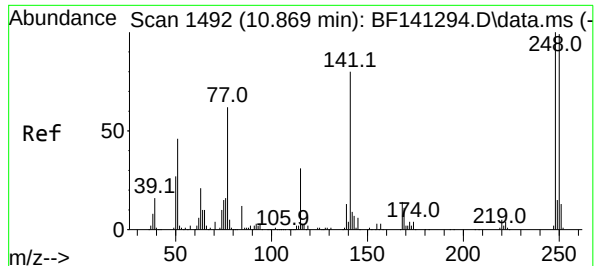
Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.7	33.4	73.4
105	42.1	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 48.499 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.7	28.8	43.2

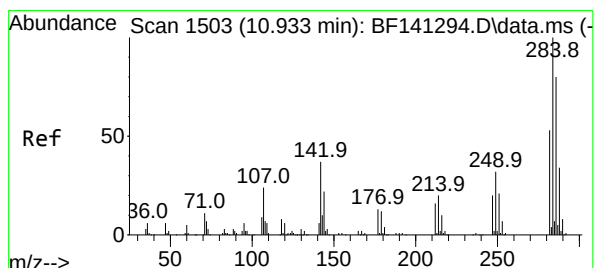
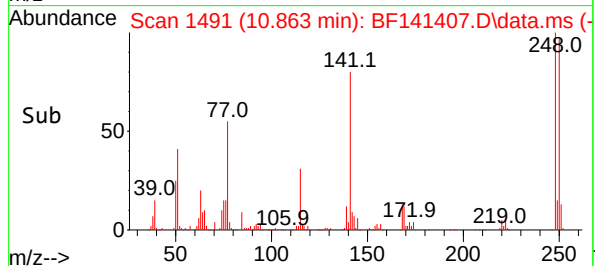
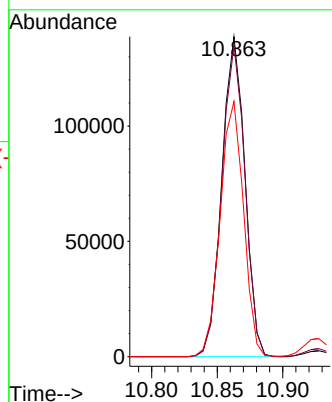
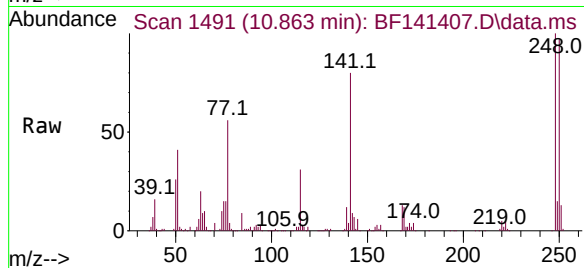




#67
4-Bromophenyl-phenylether
Concen: 48.562 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

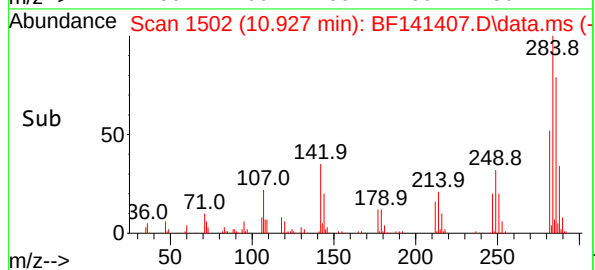
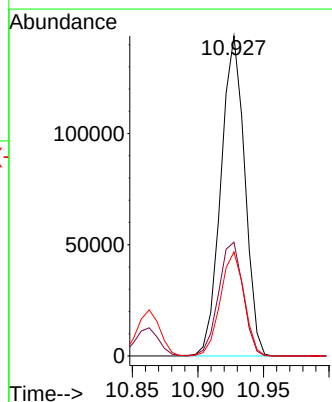
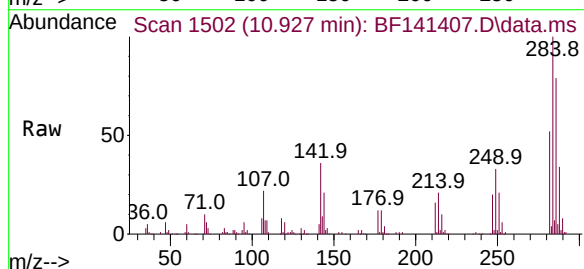
Instrument :
BNA_F
ClientSampleId :
PB166426BS

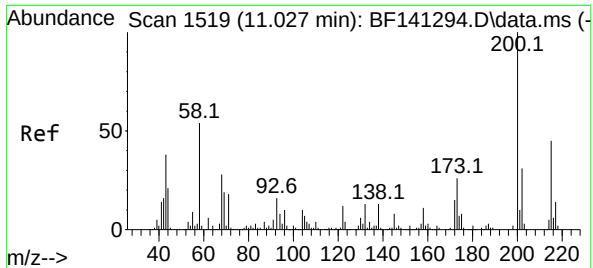
Tgt Ion:248 Resp: 169955
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.4
141 79.7 63.7 95.5



#68
Hexachlorobenzene
Concen: 48.853 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:284 Resp: 181362
Ion Ratio Lower Upper
284 100
142 35.5 29.5 44.3
249 32.5 25.4 38.2





#69

Atrazine

Concen: 51.796 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

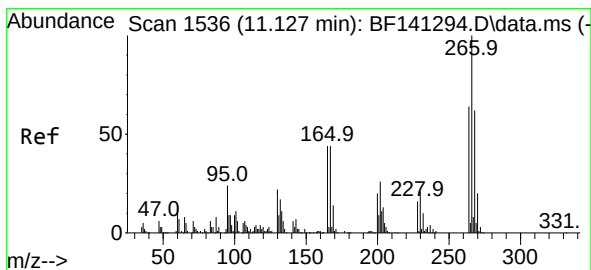
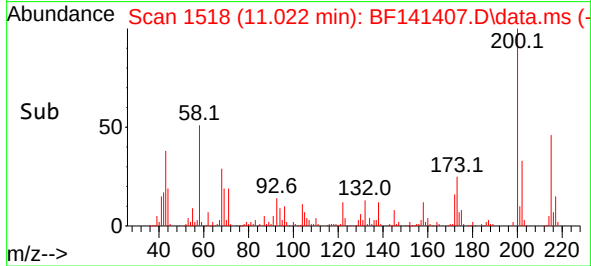
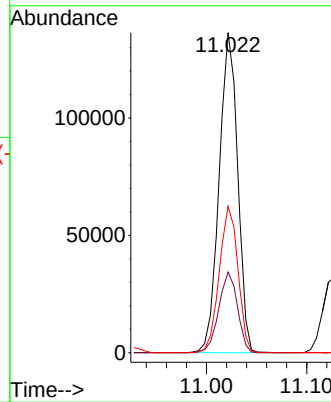
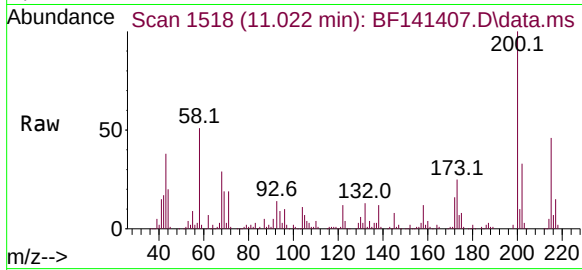
Tgt Ion:200 Resp: 175099

Ion Ratio Lower Upper

200 100

173 25.2 5.9 45.9

215 45.8 25.2 65.2



#70

Pentachlorophenol

Concen: 103.193 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

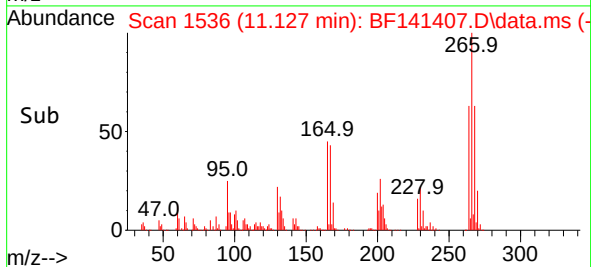
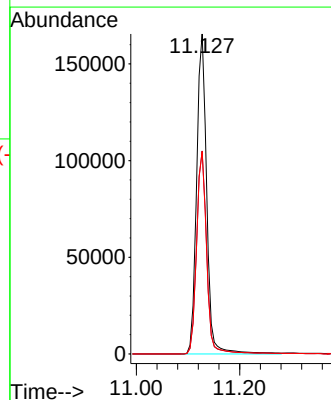
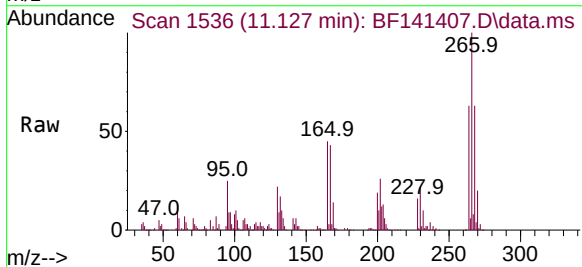
Tgt Ion:266 Resp: 224331

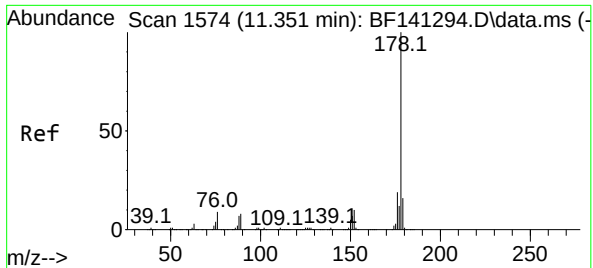
Ion Ratio Lower Upper

266 100

268 63.4 49.9 74.9

264 63.3 51.0 76.4

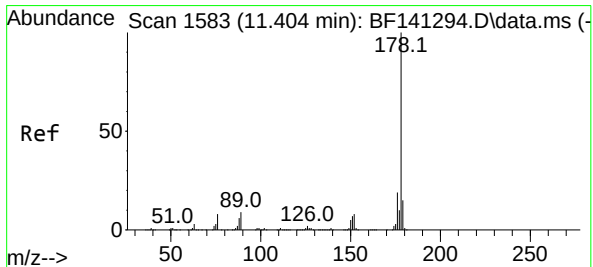
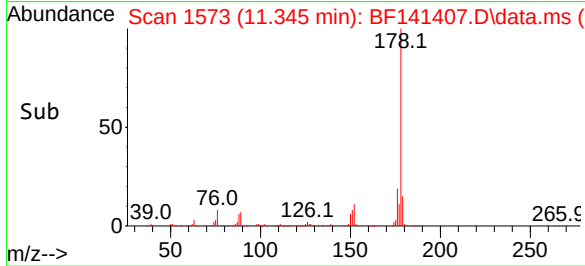
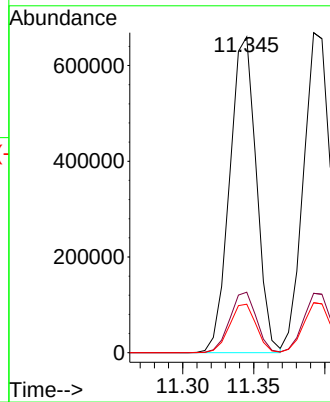
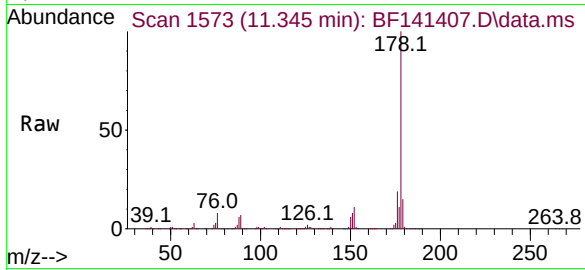




#71
Phenanthrene
Concen: 51.288 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

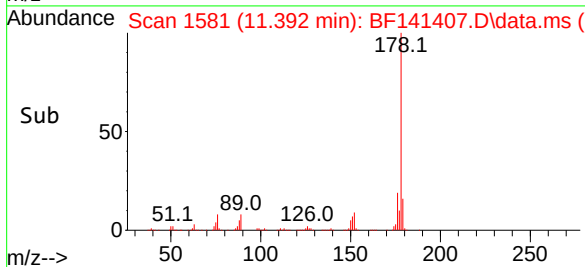
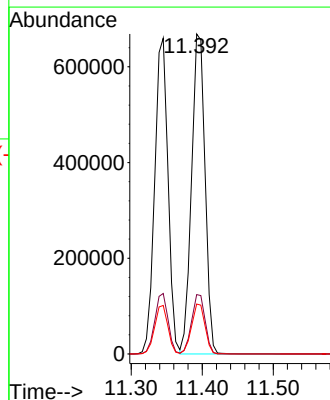
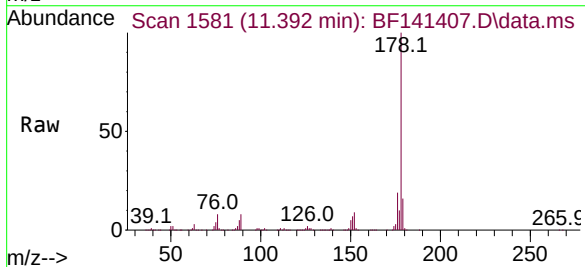
Instrument :
BNA_F
ClientSampleId :
PB166426BS

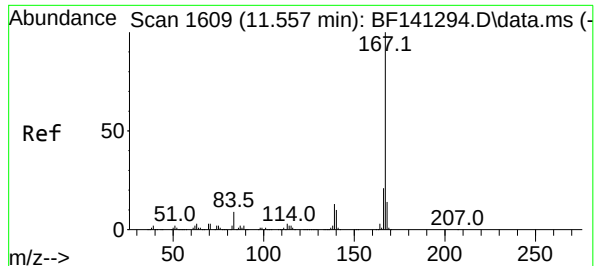
Tgt Ion:178 Resp: 861852
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 53.619 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:178 Resp: 882833
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.6 12.3 18.5





#73

Carbazole

Concen: 52.783 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

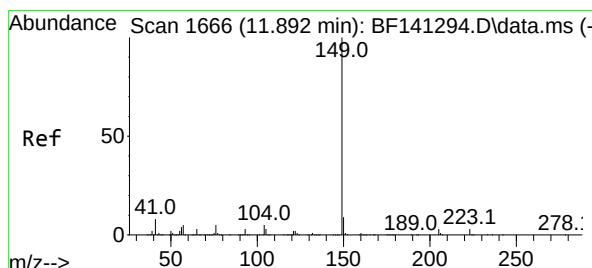
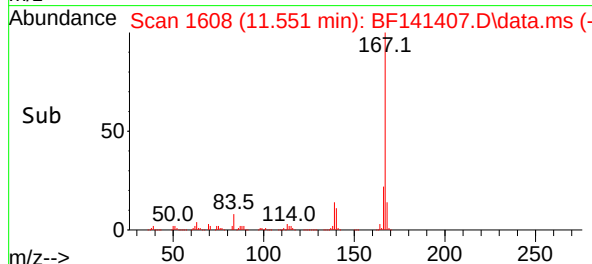
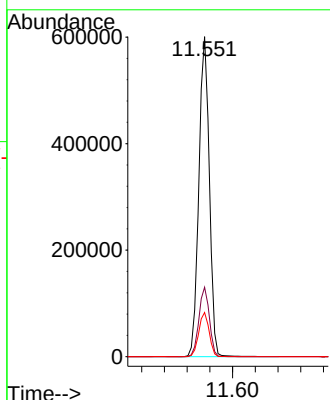
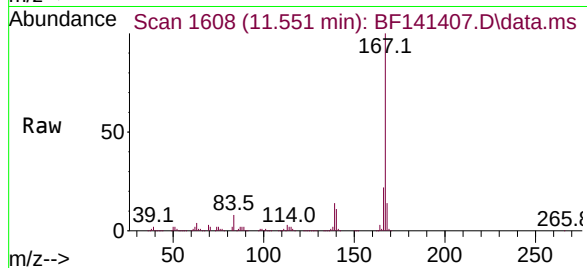
Tgt Ion:167 Resp: 770620

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 52.143 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

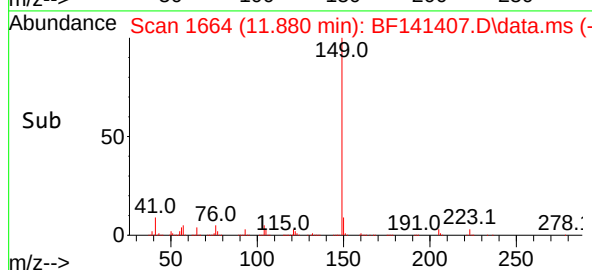
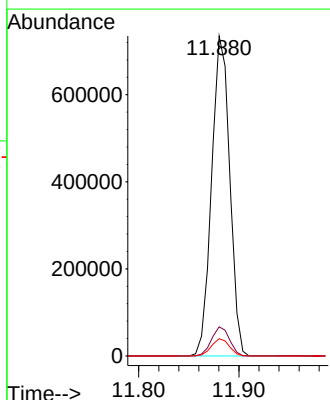
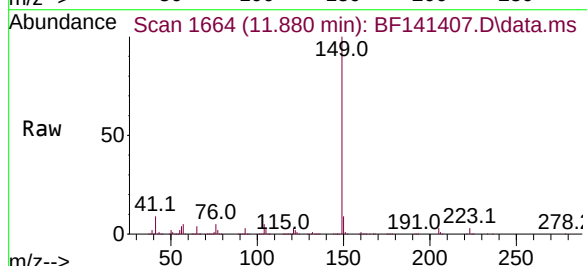
Tgt Ion:149 Resp: 922589

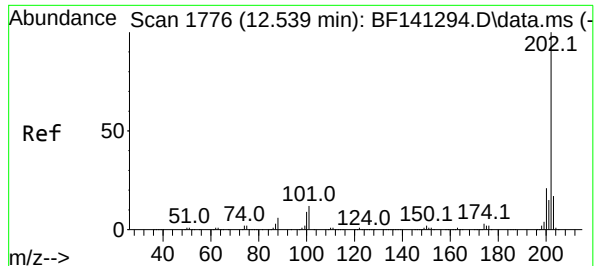
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.4 3.9 5.9

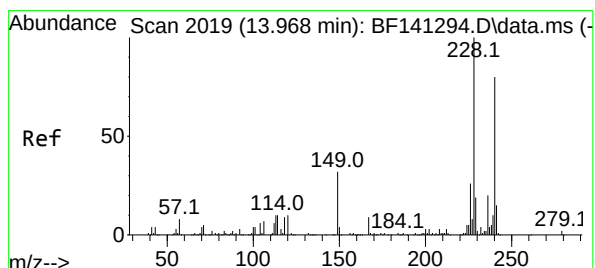
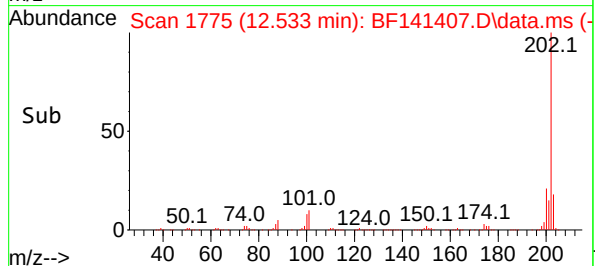
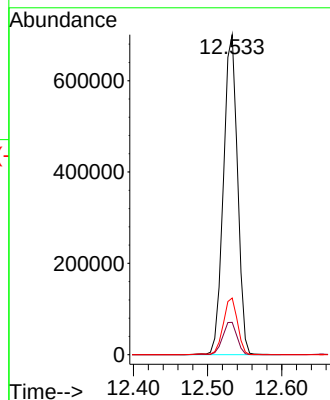
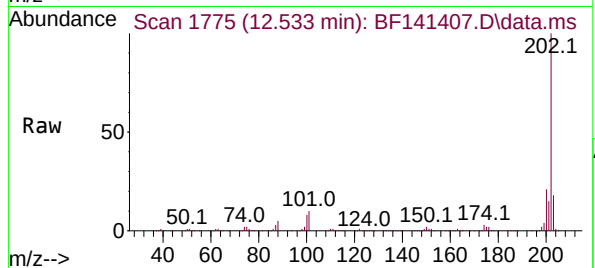




#75
Fluoranthene
Concen: 55.804 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

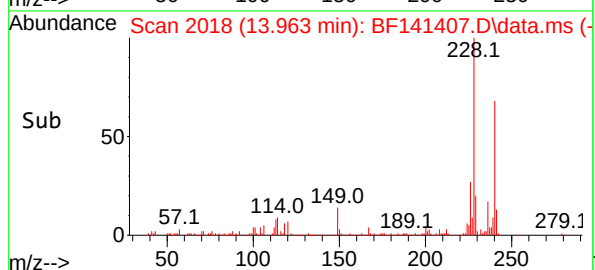
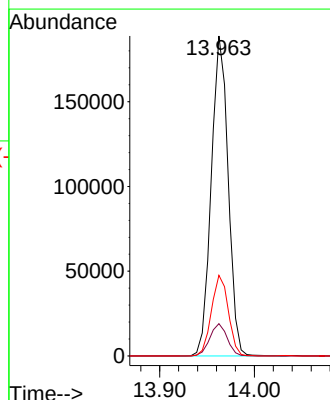
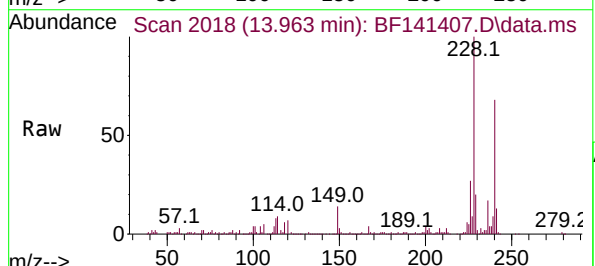
Instrument :
BNA_F
ClientSampleId :
PB166426BS

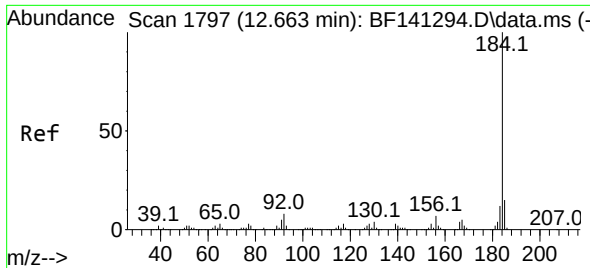
Tgt Ion:202 Resp: 925902
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:240 Resp: 234119
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.2 19.7 29.5

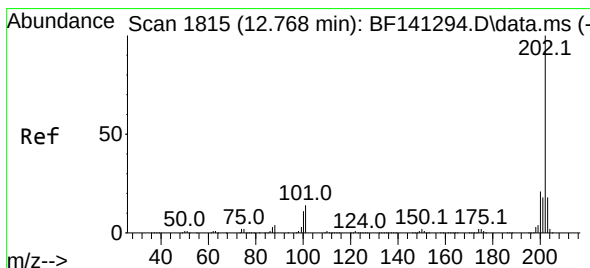
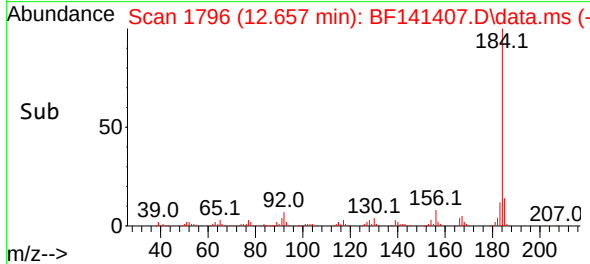
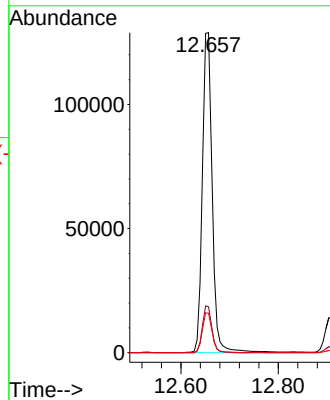
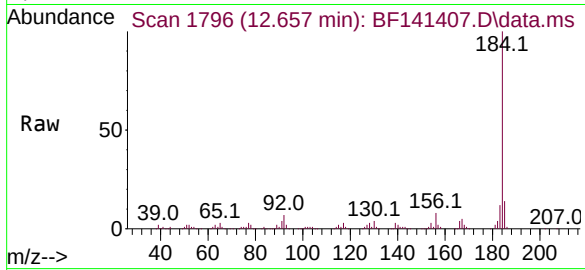




#77
Benzidine
Concen: 24.265 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

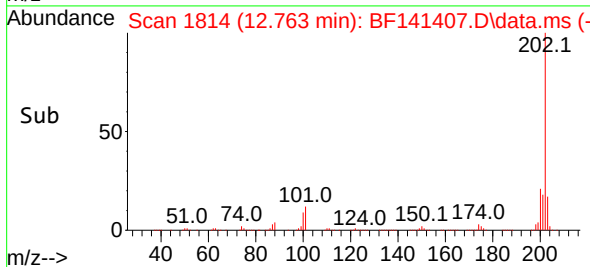
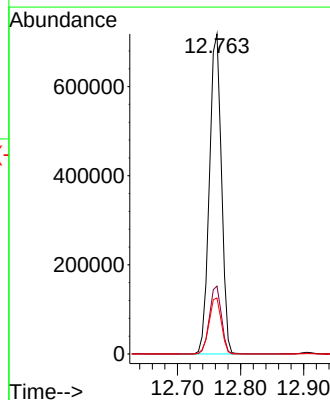
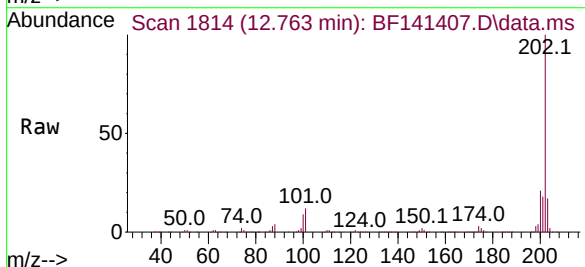
Instrument :
BNA_F
ClientSampleId :
PB166426BS

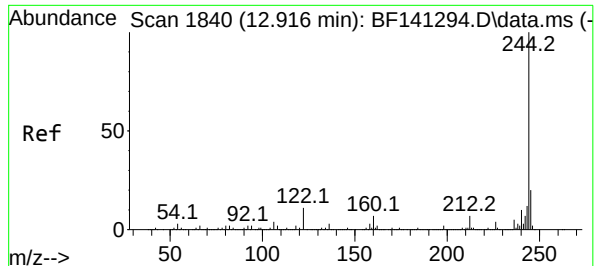
Tgt Ion:184 Resp: 182119
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 12.3 9.5 14.3



#78
Pyrene
Concen: 42.345 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:202 Resp: 951626
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 89.945 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

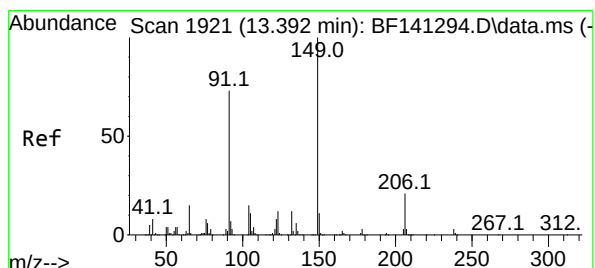
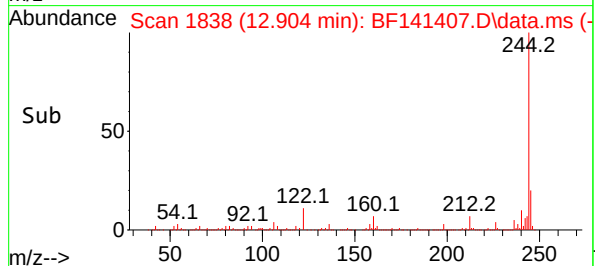
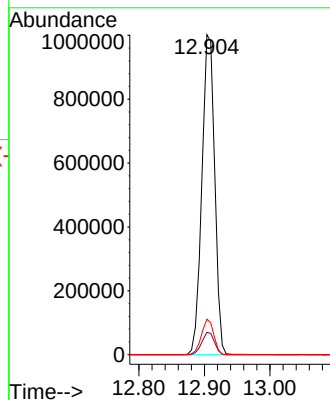
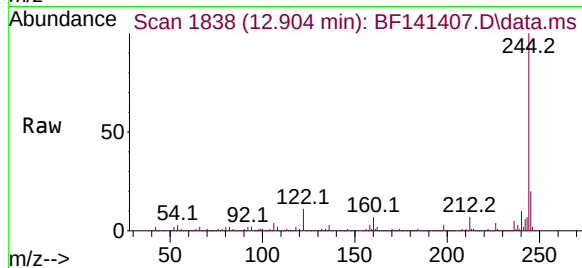
Tgt Ion:244 Resp: 1365459

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 11.1 8.8 13.2



#80

Butylbenzylphthalate

Concen: 49.204 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

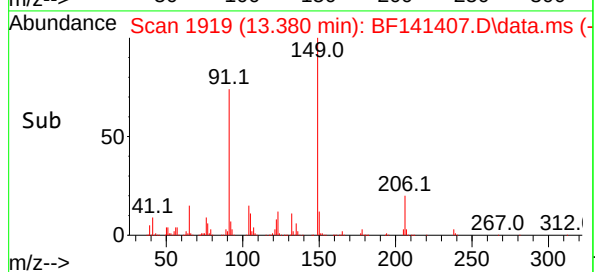
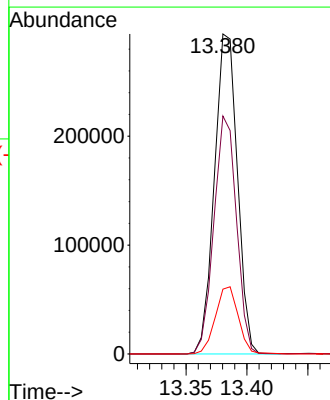
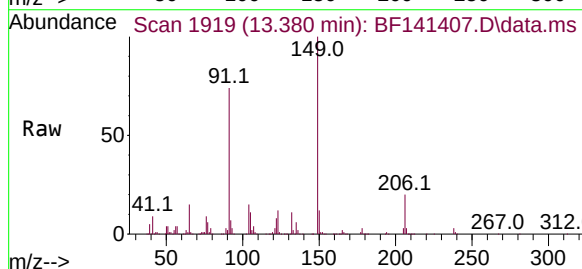
Tgt Ion:149 Resp: 386308

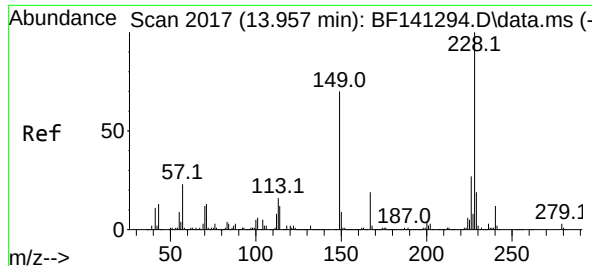
Ion Ratio Lower Upper

149 100

91 74.4 58.6 87.8

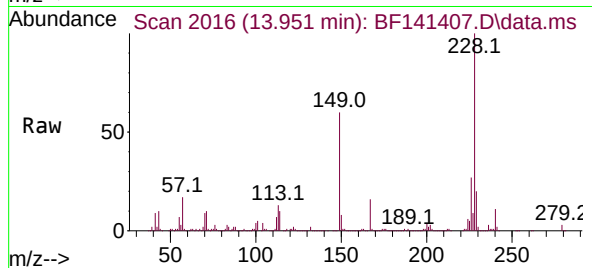
206 20.2 16.7 25.1



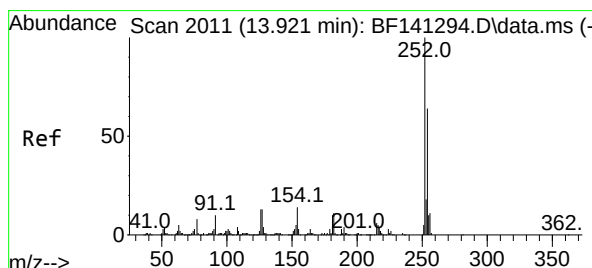
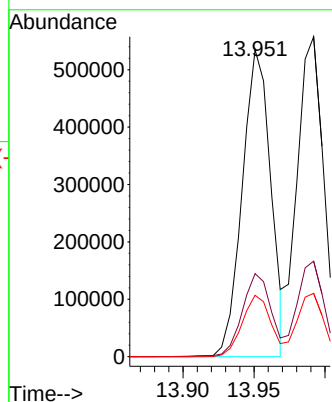
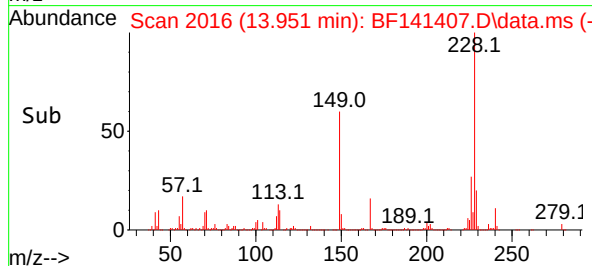


#81
Benzo(a)anthracene
Concen: 46.144 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

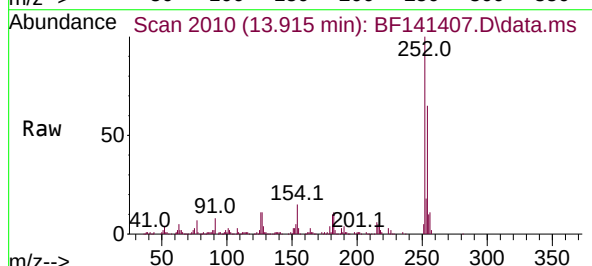
Instrument :
BNA_F
ClientSampleId :
PB166426BS



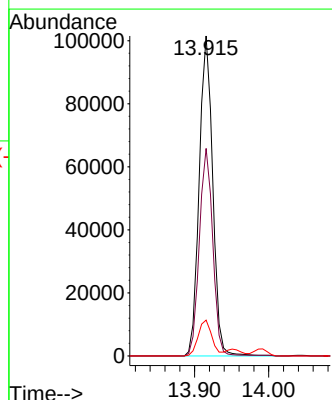
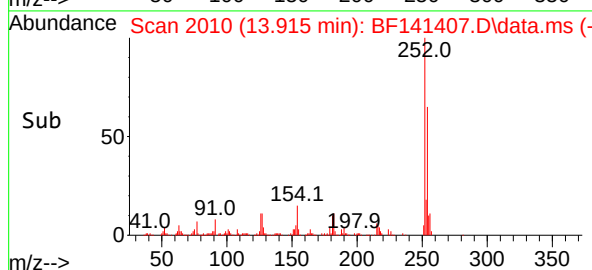
Tgt Ion:228 Resp: 745476
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 20.0 15.5 23.3

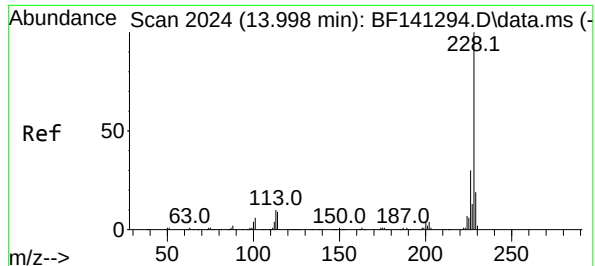


#82
3,3'-Dichlorobenzidine
Concen: 24.949 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39



Tgt Ion:252 Resp: 128195
Ion Ratio Lower Upper
252 100
254 64.9 51.3 76.9
126 11.2 10.0 15.0





#83

Chrysene

Concen: 48.772 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

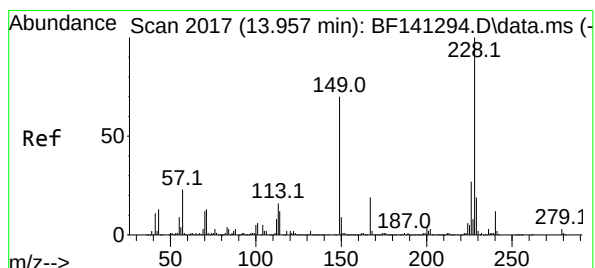
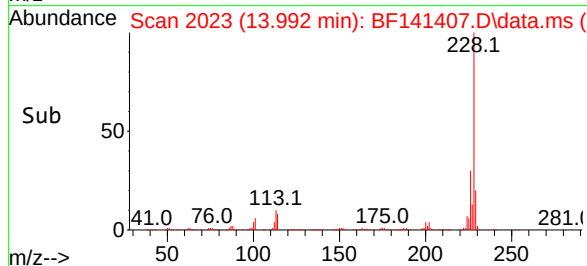
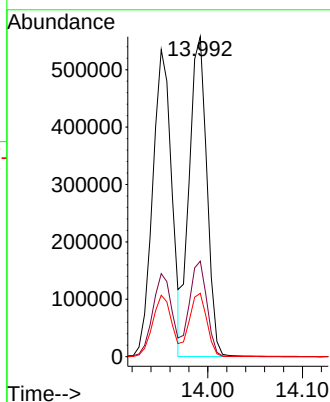
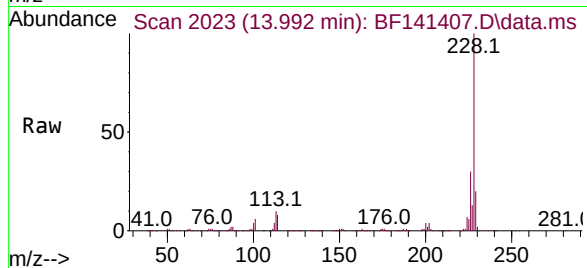
Tgt Ion:228 Resp: 722130

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.156 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

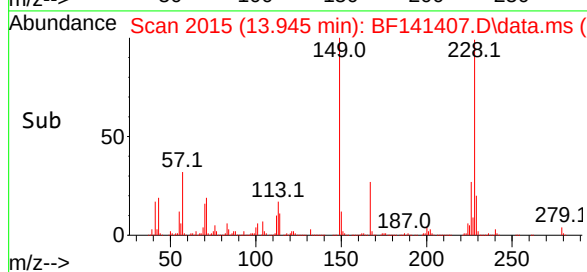
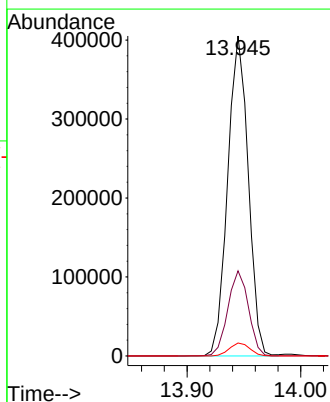
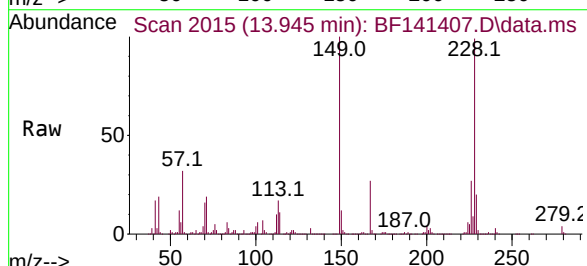
Tgt Ion:149 Resp: 509487

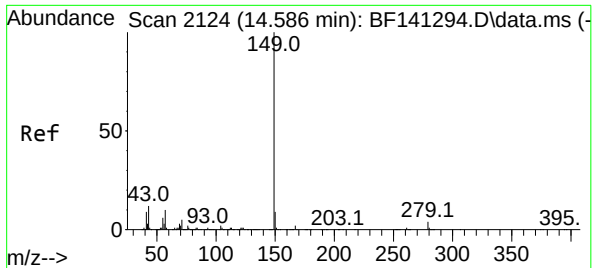
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.8

279 4.0 3.3 4.9

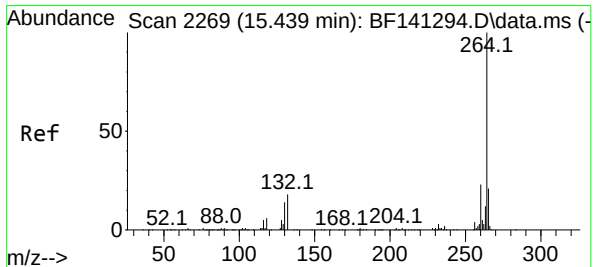
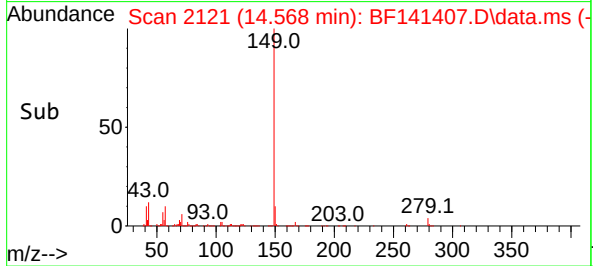
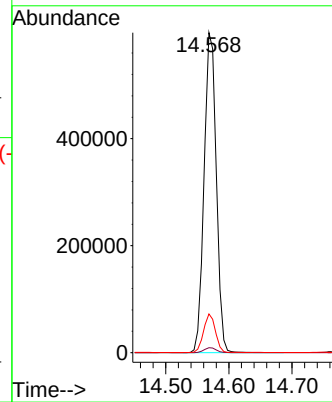
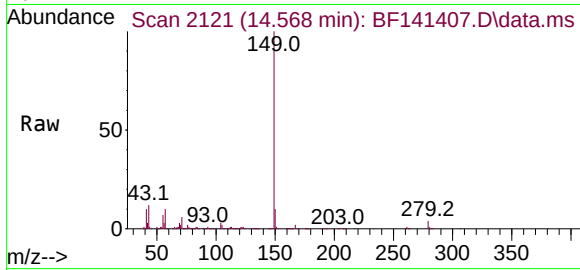




#85
Di-n-octyl phthalate
Concen: 51.792 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

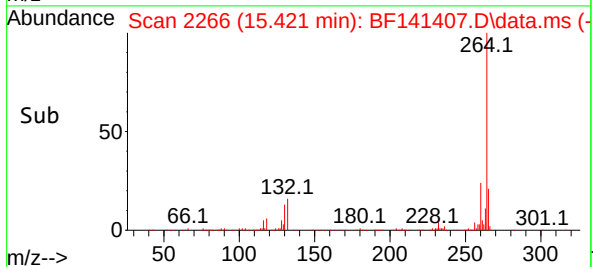
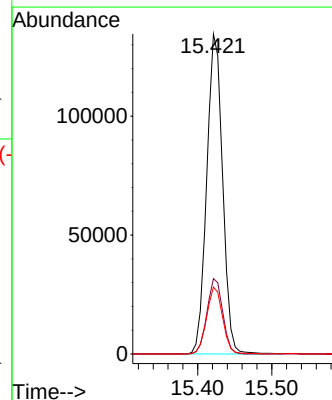
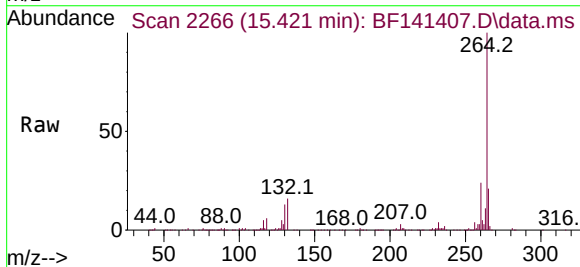
Instrument :
BNA_F
ClientSampleId :
PB166426BS

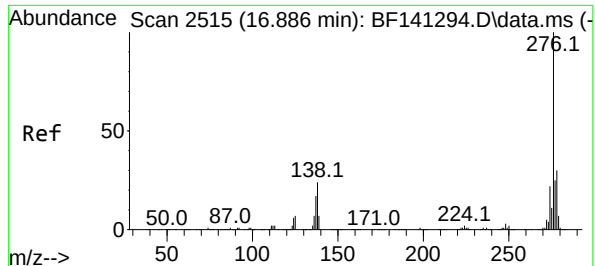
Tgt Ion:149 Resp: 801166
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:264 Resp: 200536
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.309 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.030 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

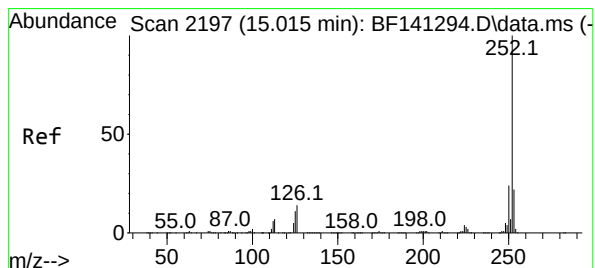
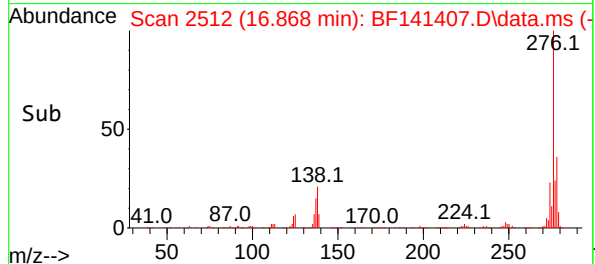
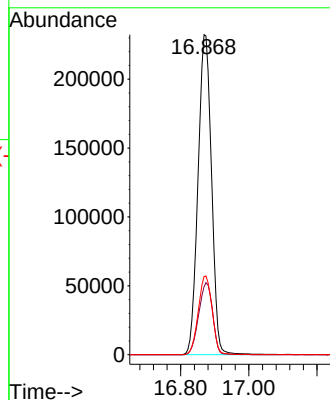
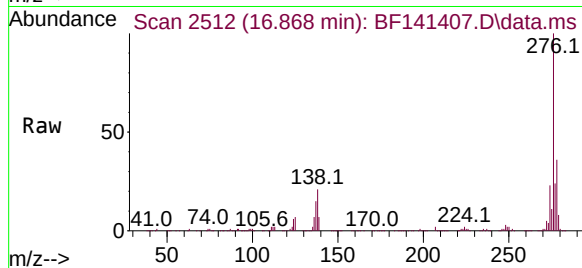
Tgt Ion:276 Resp: 638218

Ion Ratio Lower Upper

276 100

138 23.2 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 55.316 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

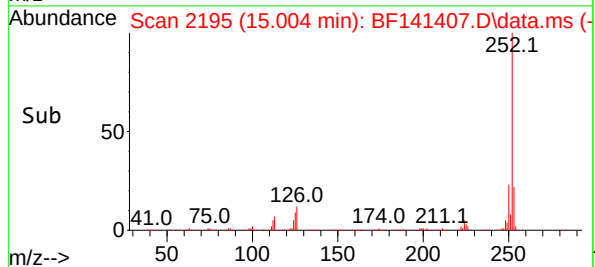
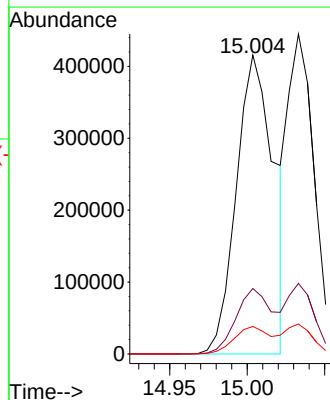
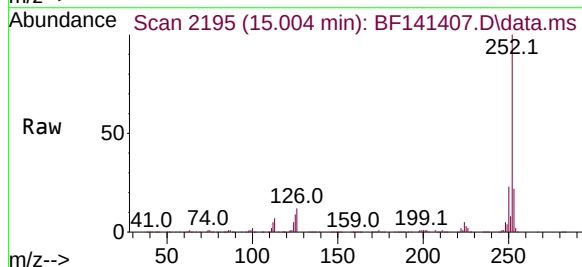
Tgt Ion:252 Resp: 697768

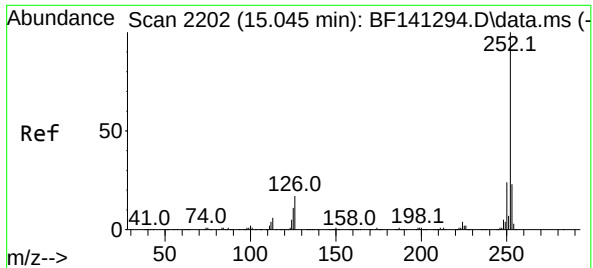
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.265 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

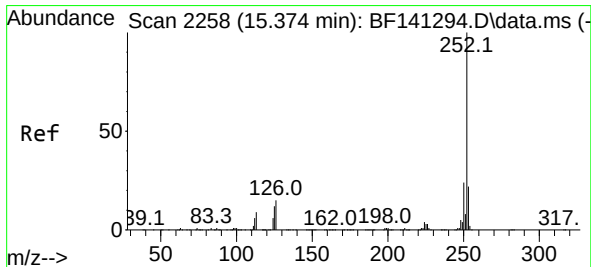
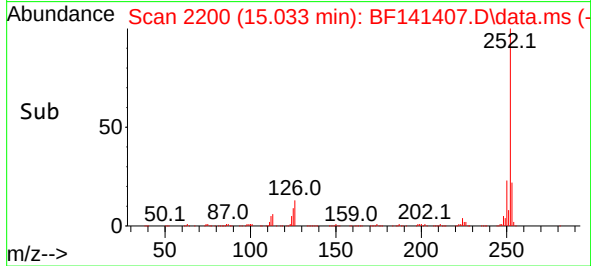
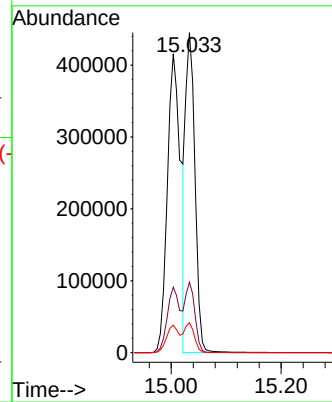
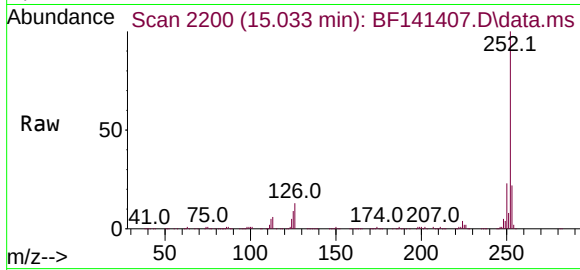
Tgt Ion:252 Resp: 528168

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 53.145 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

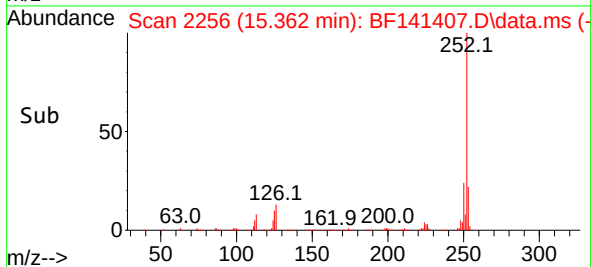
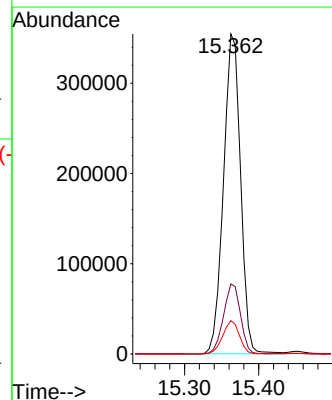
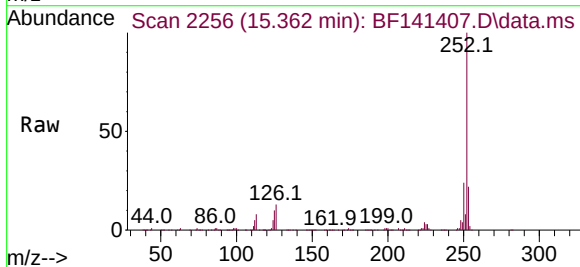
Tgt Ion:252 Resp: 566504

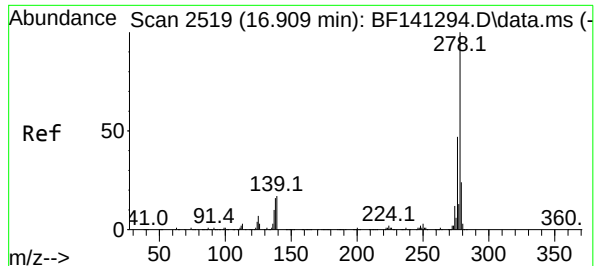
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 10.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 49.118 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

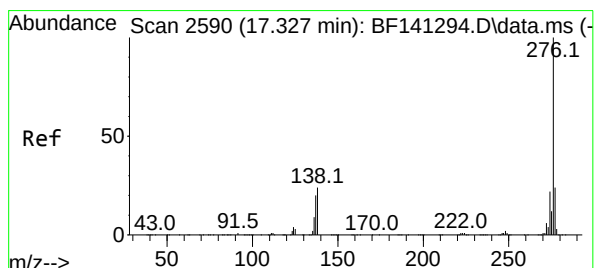
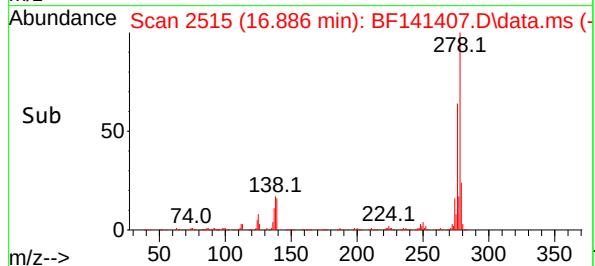
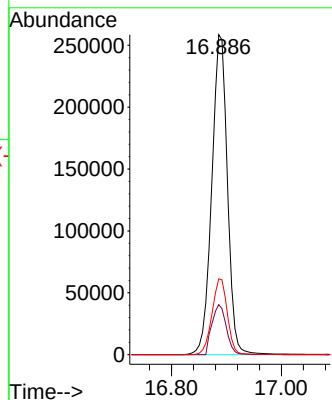
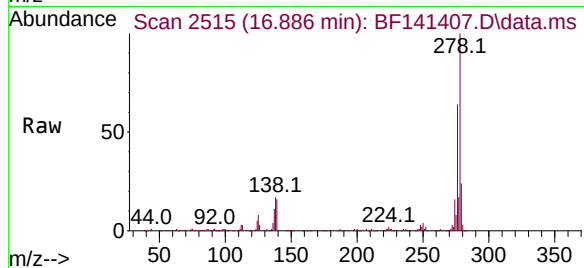
Tgt Ion:278 Resp: 511474

Ion Ratio Lower Upper

278 100

139 15.7 13.9 20.9

279 23.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 44.307 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

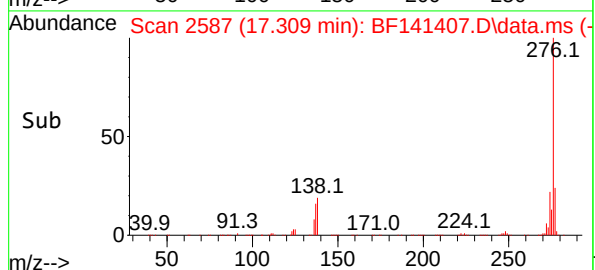
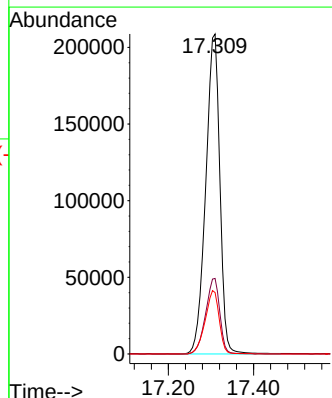
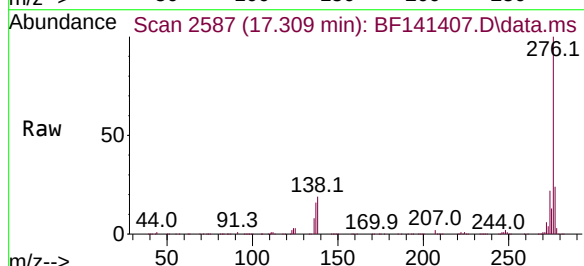
Tgt Ion:276 Resp: 479740

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 19.2 19.0 28.4



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MS	SDG No.:	Q1216
Lab Sample ID:	Q1218-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141339.D	1	01/31/25 10:29	01/31/25 18:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	210		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		8.40	50.0	ug/L
95-48-7	2-Methylphenol	360		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	350		11.5	100	ug/L
67-72-1	Hexachloroethane	380		10.1	50.0	ug/L
98-95-3	Nitrobenzene	480		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	340		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	420		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	380		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	440		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	980	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	108		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.8		49 - 133	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.6		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		48 - 125	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000		6.804		
1146-65-2	Naphthalene-d8	434000		8.081		
15067-26-2	Acenaphthene-d10	209000		9.839		
1517-22-2	Phenanthrene-d10	316000		11.322		
1719-03-5	Chrysene-d12	287000		13.968		
1520-96-3	Perylene-d12	324000		15.427		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MS	SDG No.:	Q1216
Lab Sample ID:	Q1218-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141339.D	1	01/31/25 10:29	01/31/25 18:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF013125\
 Data File : BF141339.D
 Acq On : 31 Jan 2025 18:44
 Operator : RC/JU
 Sample : Q1218-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	131554	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	434471	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	208861	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	316494	20.000	ng	0.00
76) Chrysene-d12	13.968	240	287072	20.000	ng	0.00
86) Perylene-d12	15.427	264	323532	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1006731	117.483	ng	0.02
7) Phenol-d6	6.445	99	1179948	108.241	ng	0.00
23) Nitrobenzene-d5	7.363	82	765234	92.850	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	230592	120.428	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1255992	92.560	ng	0.00
79) Terphenyl-d14	12.910	244	1178895	63.332	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.728	88	145647m	38.647	ng	Qvalue
3) Pyridine	3.434	79	187577	20.658	ng	98
4) n-Nitrosodimethylamine	3.340	42	195301	37.651	ng	99
6) Aniline	6.469	93	163092	17.674	ng	# 21
8) 2-Chlorophenol	6.592	128	360773	39.280	ng	96
9) Benzaldehyde	6.351	77	153189	24.261	ng	98
10) Phenol	6.457	94	413280	35.764	ng	95
11) bis(2-Chloroethyl)ether	6.540	93	357731	40.375	ng	97
12) 1,3-Dichlorobenzene	6.740	146	362442	35.790	ng	100
13) 1,4-Dichlorobenzene	6.822	146	363387	35.719	ng	99
14) 1,2-Dichlorobenzene	6.969	146	343621	36.070	ng	99
15) Benzyl Alcohol	6.957	79	290713	39.023	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	598595	38.852	ng	86
17) 2-Methylphenol	7.063	107	270922	36.294	ng	95
18) Hexachloroethane	7.310	117	143756	38.303	ng	98
19) n-Nitroso-di-n-propyla...	7.216	70	240598	37.144	ng	99
20) 3+4-Methylphenols	7.210	107	325334	35.496	ng	# 80
22) Acetophenone	7.210	105	508642	49.252	ng	# 98
24) Nitrobenzene	7.387	77	406912	47.643	ng	98
25) Isophorone	7.628	82	565439	39.690	ng	99
26) 2-Nitrophenol	7.698	139	149802	37.190	ng	93
27) 2,4-Dimethylphenol	7.739	122	223609m	43.614	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	297915	32.783	ng	98
29) 2,4-Dichlorophenol	7.945	162	259327	41.317	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	285426	39.819	ng	100
31) Naphthalene	8.104	128	881744	38.417	ng	100
32) Benzoic acid	8.381	122	18590870m	3944.485	ng	
33) 4-Chloroaniline	8.175	127	82153	10.555	ng	# 13
34) Hexachlorobutadiene	8.222	225	143844	34.219	ng	99
35) Caprolactam	8.686	113	70743	34.511	ng	92
36) 4-Chloro-3-methylphenol	8.645	107	265987	39.508	ng	99
37) 2-Methylnaphthalene	8.798	142	600465	41.162	ng	100
38) 1-Methylnaphthalene	8.898	142	582706	40.664	ng	99
40) 1,2,4,5-Tetrachloroben...	8.963	216	302846	50.968	ng	98
41) Hexachlorocyclopentadiene	8.951	237	360130	205.225	ng	100
43) 2,4,6-Trichlorophenol	9.081	196	180517	46.415	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141339.D
 Acq On : 31 Jan 2025 18:44
 Operator : RC/JU
 Sample : Q1218-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

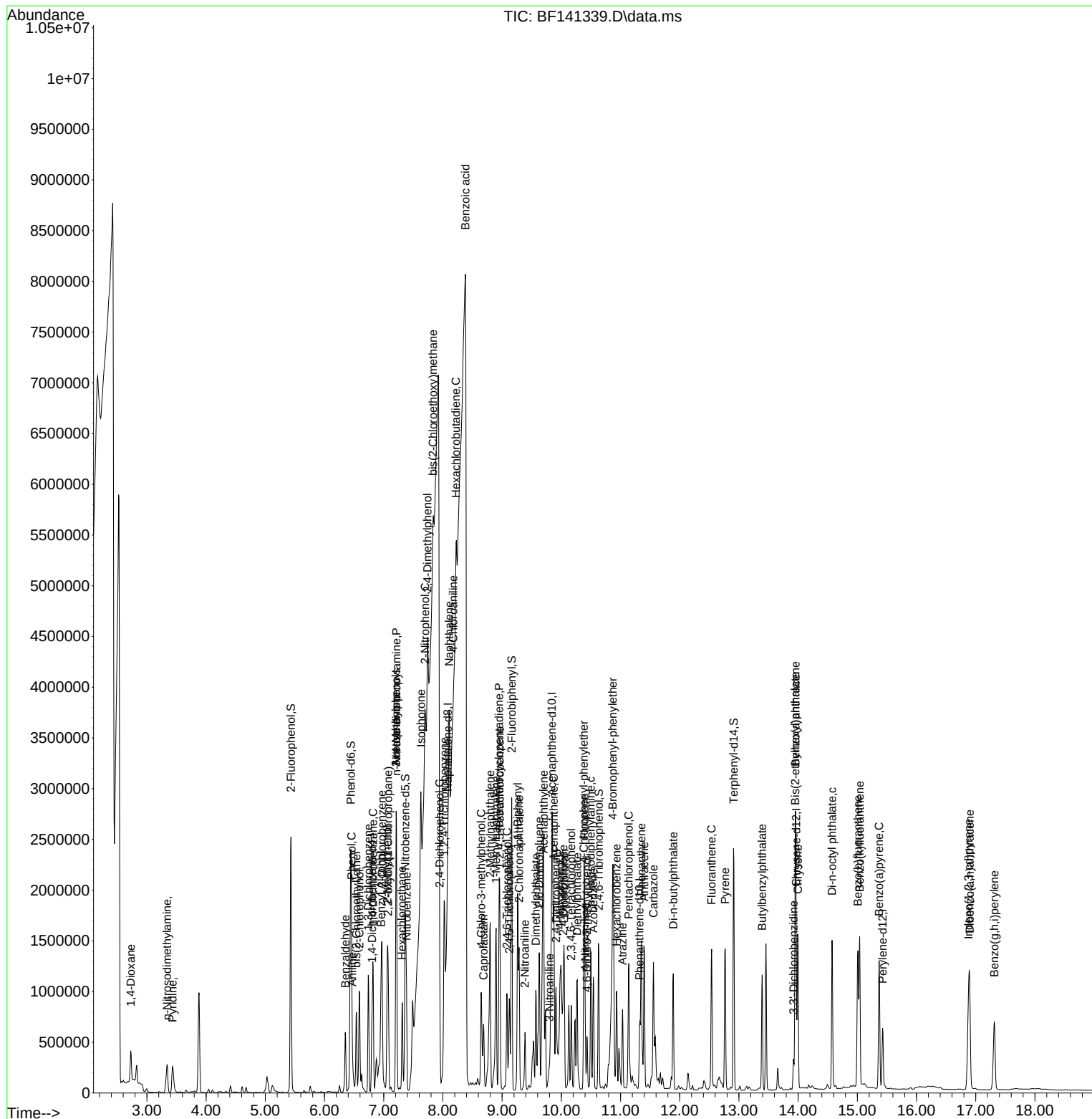
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	179658	42.443	ng	99
46) 1,1'-Biphenyl	9.263	154	828878	50.887	ng	100
47) 2-Chloronaphthalene	9.286	162	553920	43.629	ng	99
48) 2-Nitroaniline	9.386	65	139480	34.927	ng	98
49) Acenaphthylene	9.704	152	790027	44.453	ng	100
50) Dimethylphthalate	9.569	163	588865	41.744	ng	99
51) 2,6-Dinitrotoluene	9.628	165	124531	38.021	ng	92
52) Acenaphthene	9.875	154	605265m	47.672	ng	
53) 3-Nitroaniline	9.798	138	36577	11.394	ng	98
54) 2,4-Dinitrophenol	9.910	184	161698	106.201	ng	98
55) Dibenzofuran	10.051	168	720182	42.376	ng	100
56) 4-Nitrophenol	9.980	139	194516	82.853	ng	98
57) 2,4-Dinitrotoluene	10.033	165	162973	38.431	ng	95
58) Fluorene	10.392	166	543864	41.256	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	144115	43.276	ng	99
60) Diethylphthalate	10.269	149	540663	39.529	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	266568	41.397	ng	98
62) 4-Nitroaniline	10.404	138	84643	26.819	ng	99
63) Azobenzene	10.539	77	562497	41.085	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	92916	49.633	ng	94
66) n-Nitrosodiphenylamine	10.498	169	461781	45.111	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	150571	42.495	ng	98
68) Hexachlorobenzene	10.933	284	165980	44.161	ng	99
69) Atrazine	11.033	200	121271	35.433	ng	98
70) Pentachlorophenol	11.139	266	215923	98.106	ng	99
71) Phenanthrene	11.351	178	745904	43.844	ng	100
72) Anthracene	11.398	178	762409	45.737	ng	100
73) Carbazole	11.557	167	635428	42.989	ng	99
74) Di-n-butylphthalate	11.892	149	806567	45.026	ng	100
75) Fluoranthene	12.539	202	774173	46.086	ng	100
78) Pyrene	12.769	202	806413	29.264	ng	99
80) Butylbenzylphthalate	13.392	149	361248	37.525	ng	98
81) Benzo(a)anthracene	13.957	228	763079	38.521	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	91920	14.589	ng	100
83) Chrysene	13.998	228	769489	42.385	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	493990	40.451	ng	98
85) Di-n-octyl phthalate	14.574	149	941792	49.652	ng	99
87) Indeno(1,2,3-cd)pyrene	16.880	276	807515	38.671	ng	100
88) Benzo(b)fluoranthene	15.010	252	843784	41.462	ng	99
89) Benzo(k)fluoranthene	15.039	252	808333	44.836	ng	100
90) Benzo(a)pyrene	15.368	252	775987	45.122	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	659105	39.232	ng	100
92) Benzo(g,h,i)perylene	17.315	276	602691	34.502	ng	100

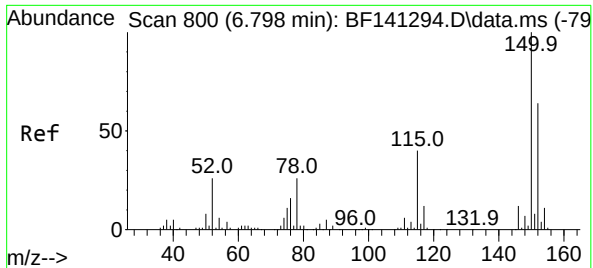
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Manual Integrations APPROVED

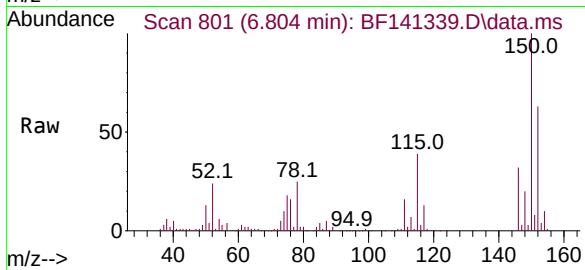
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

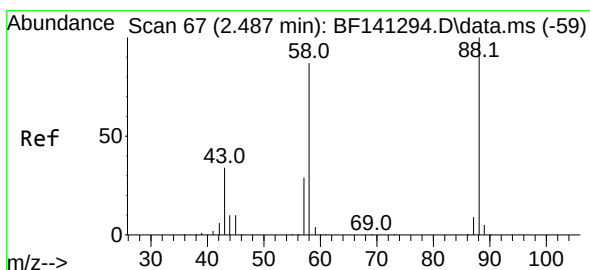
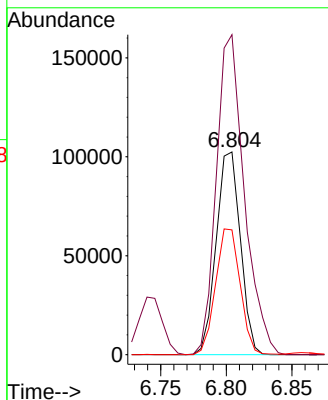
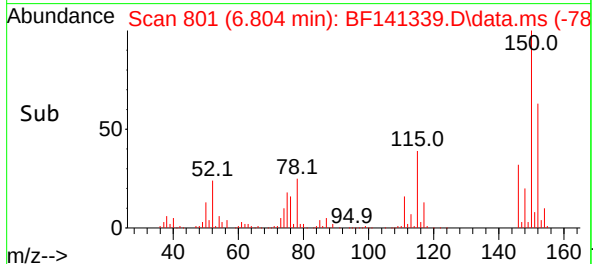
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:152 Resp: 131554
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 61.5 49.7 74.5

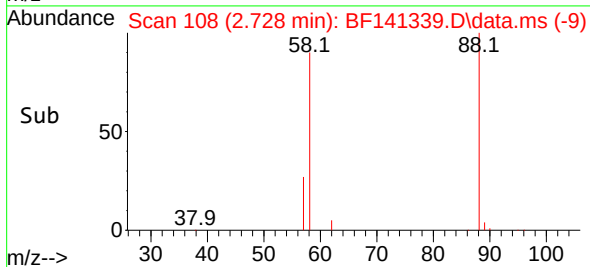
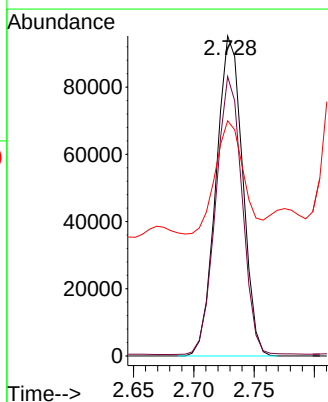
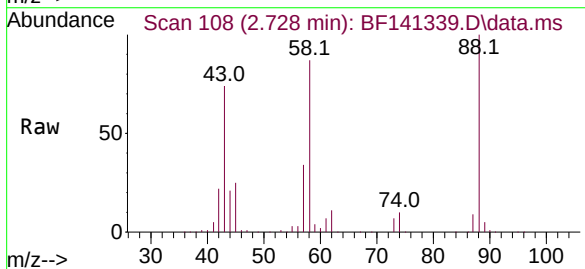
Manual Integrations
APPROVED

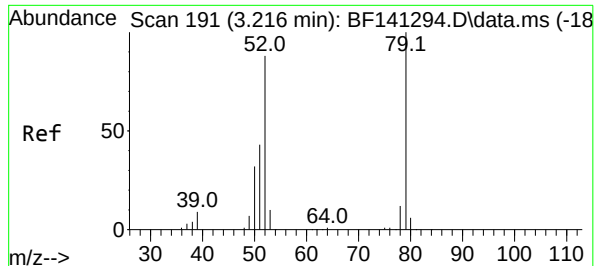
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 38.647 ng m
RT: 2.728 min Scan# 108
Delta R.T. 0.235 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion: 88 Resp: 145647
Ion Ratio Lower Upper
88 100
58 132.6 70.2 105.4#
43 5191.4 27.6 41.4#





#3

Pyridine

Concen: 20.658 ng

RT: 3.434 min Scan# 211

Delta R.T. 0.206 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 79 Resp: 18757

Ion Ratio Lower Upper

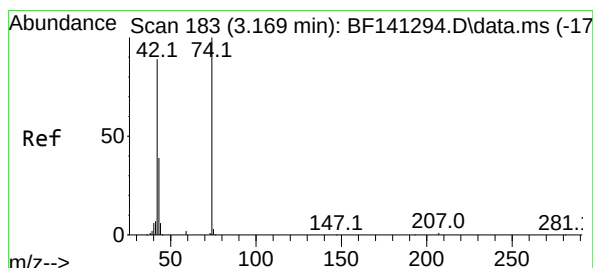
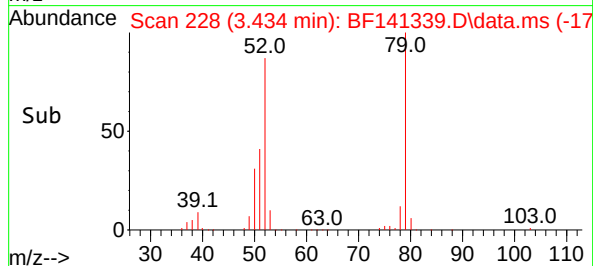
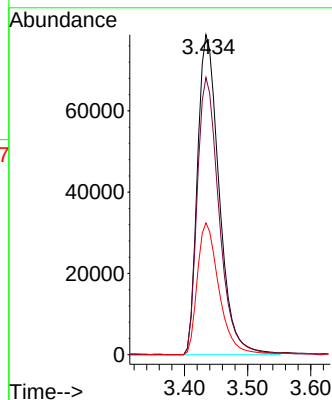
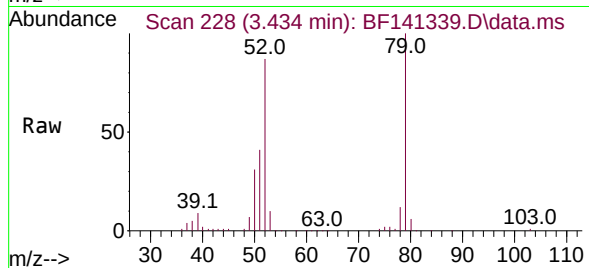
79 100

52 86.6 70.3 105.5

51 41.2 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#4

n-Nitrosodimethylamine

Concen: 37.651 ng

RT: 3.340 min Scan# 212

Delta R.T. 0.141 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

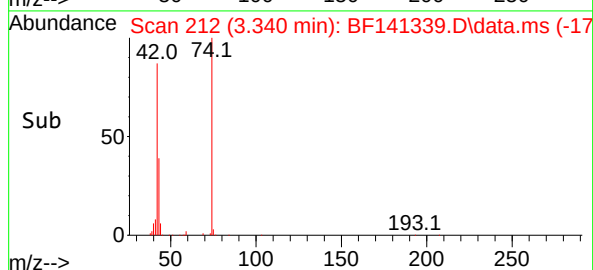
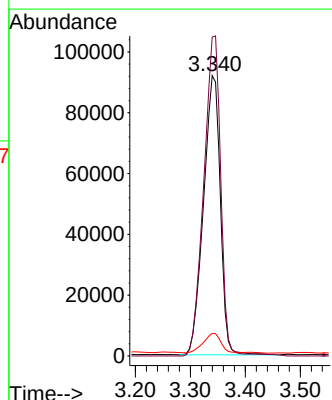
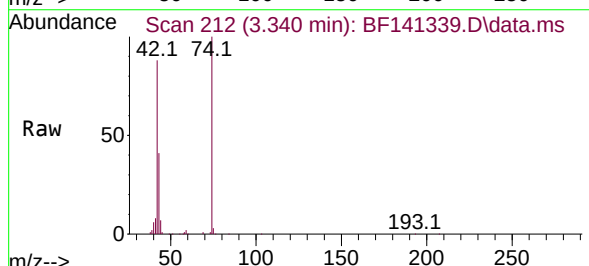
Tgt Ion: 42 Resp: 195301

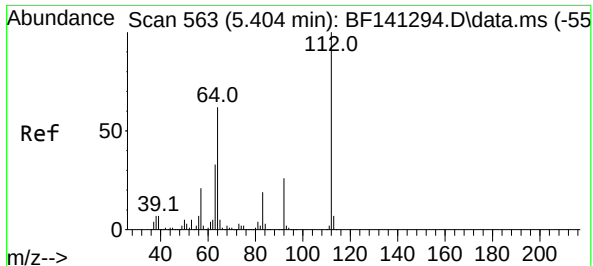
Ion Ratio Lower Upper

42 100

74 113.7 90.3 135.5

44 8.1 5.7 8.5





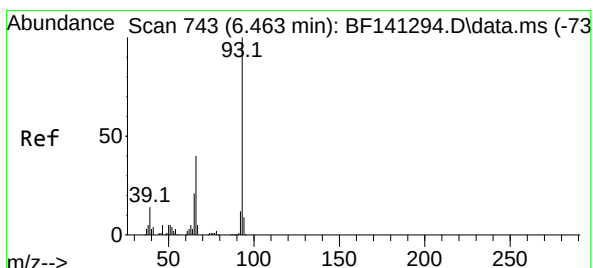
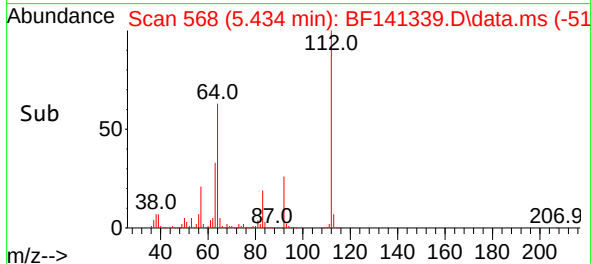
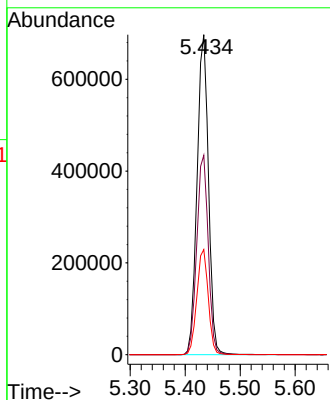
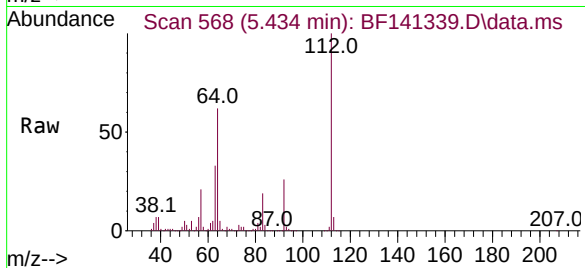
#5
2-Fluorophenol
Concen: 117.483 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion: 112 Resp: 100673
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.8 26.1 39.1

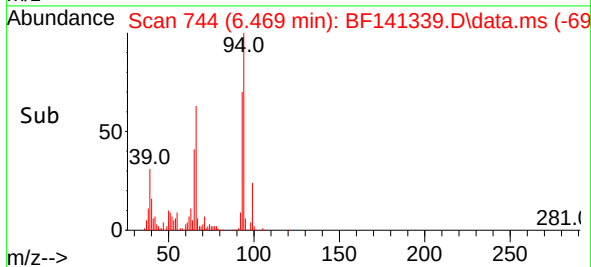
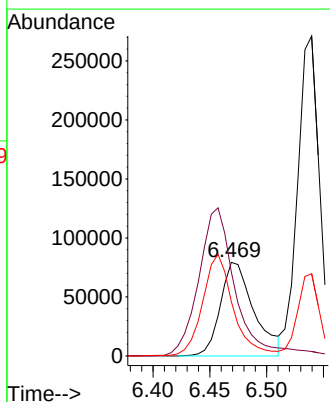
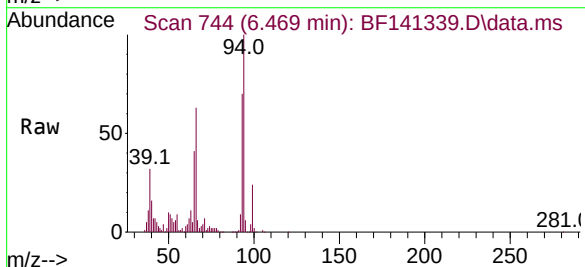
Manual Integrations
APPROVED

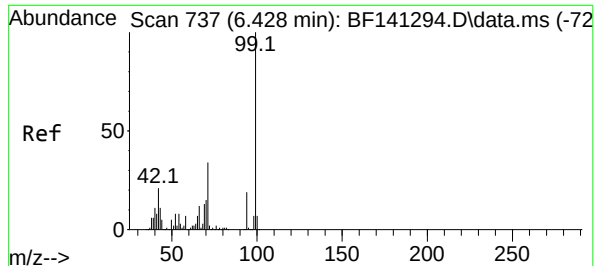
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 17.674 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

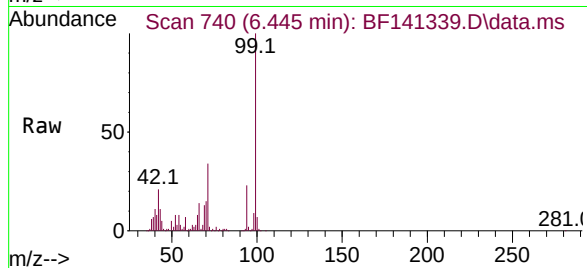
Tgt Ion: 93 Resp: 163092
Ion Ratio Lower Upper
93 100
66 89.6 32.5 48.7#
65 58.2 17.0 25.6#





#7
Phenol-d6
Concen: 108.241 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

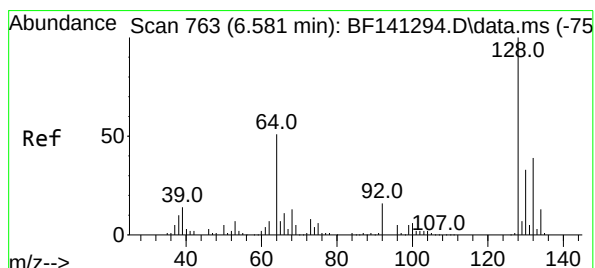
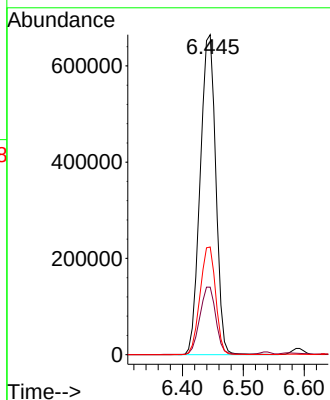
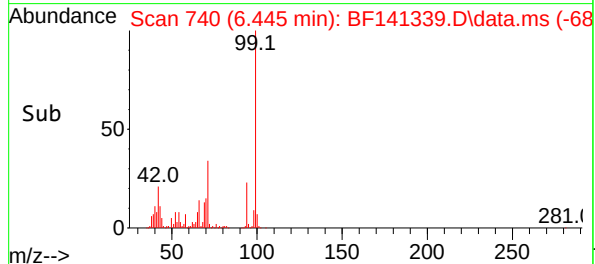
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



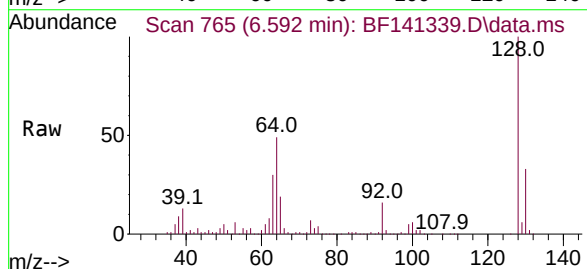
Tgt Ion: 99 Resp: 117994
Ion Ratio Lower Upper
99 100
42 21.1 17.1 25.7
71 33.6 26.9 40.3

Manual Integrations
APPROVED

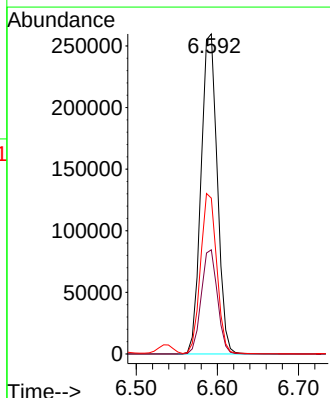
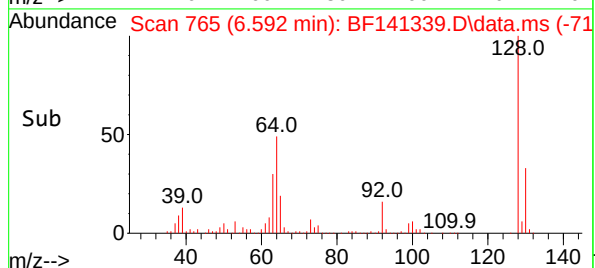
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

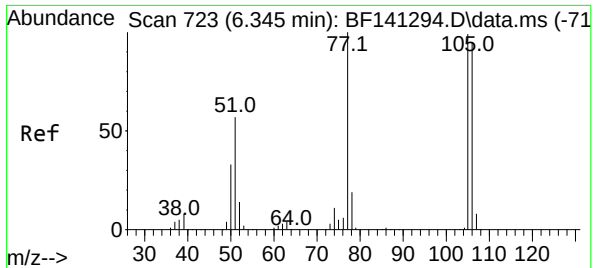


#8
2-Chlorophenol
Concen: 39.280 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:128 Resp: 360773
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 48.7 32.9 72.9





#9

Benzaldehyde

Concen: 24.261 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 77 Resp: 153189

Ion Ratio Lower Upper

77 100

105 102.2 79.4 119.4

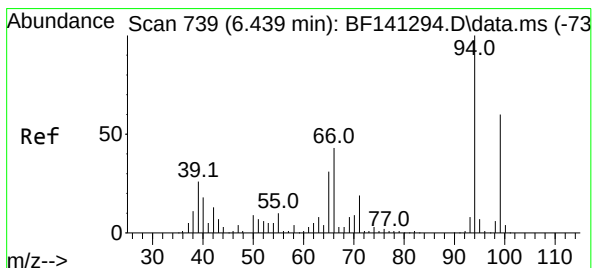
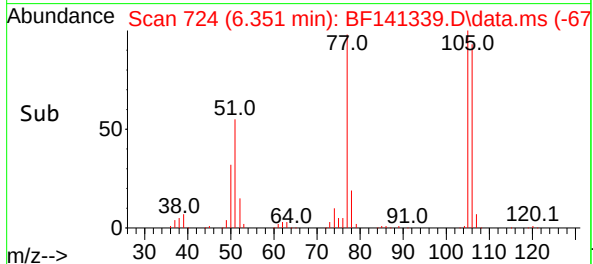
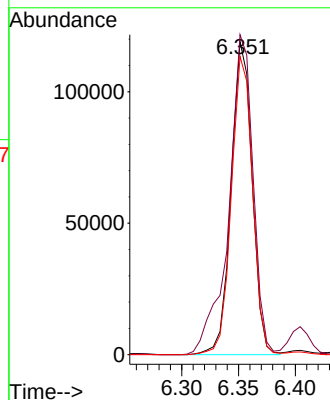
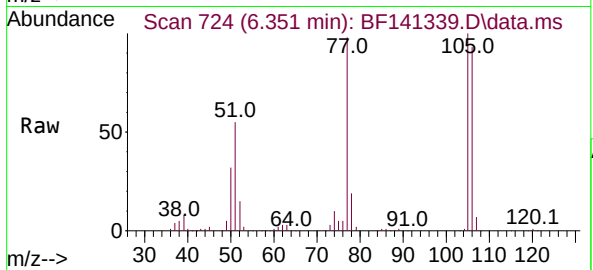
106 95.3 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 35.764 ng

RT: 6.457 min Scan# 742

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

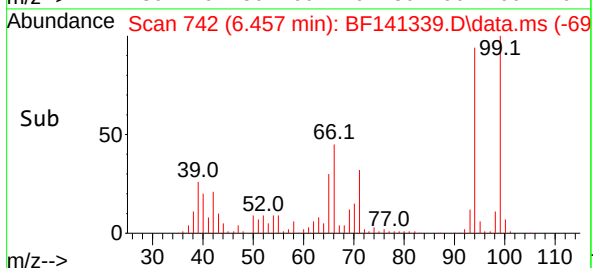
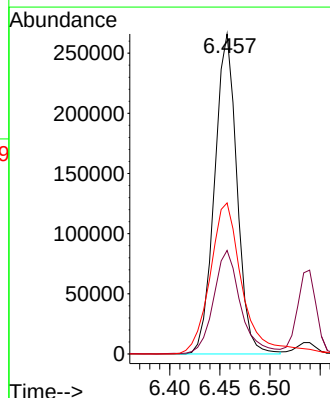
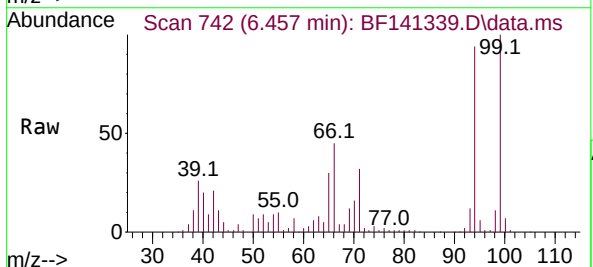
Tgt Ion: 94 Resp: 413280

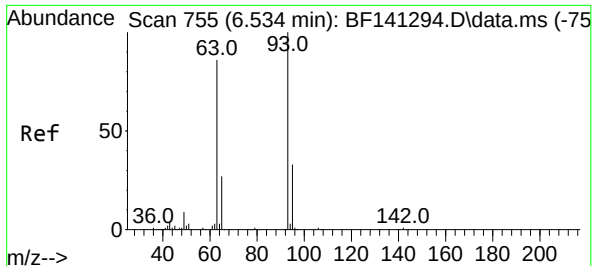
Ion Ratio Lower Upper

94 100

65 32.4 10.8 50.8

66 47.2 23.3 63.3





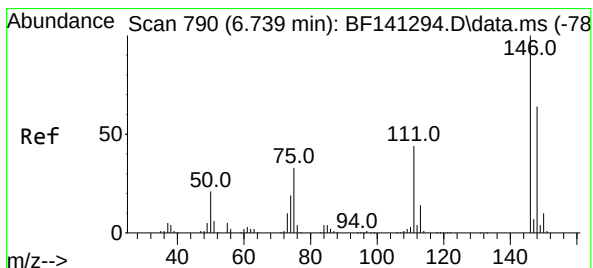
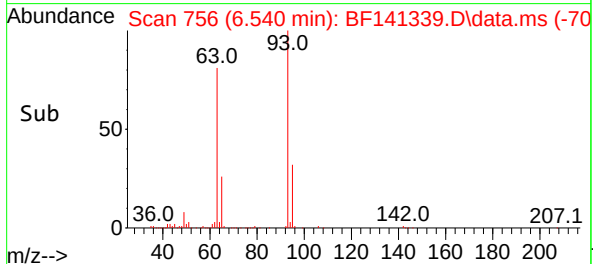
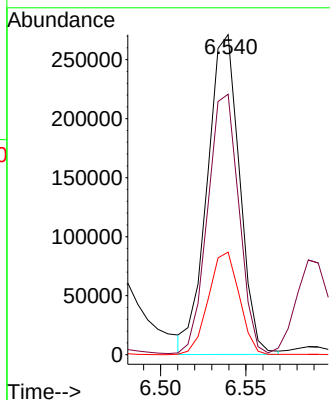
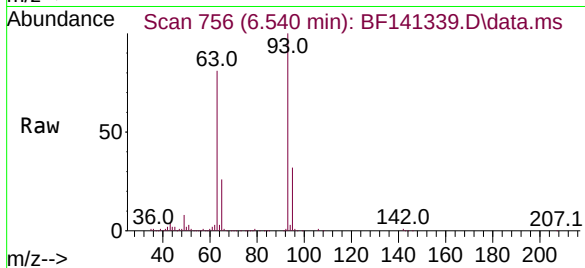
#11
bis(2-Chloroethyl)ether
Concen: 40.375 ng
RT: 6.540 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion: 93 Resp: 35773
Ion Ratio Lower Upper
93 100
63 81.4 65.0 105.0
95 32.1 12.4 52.4

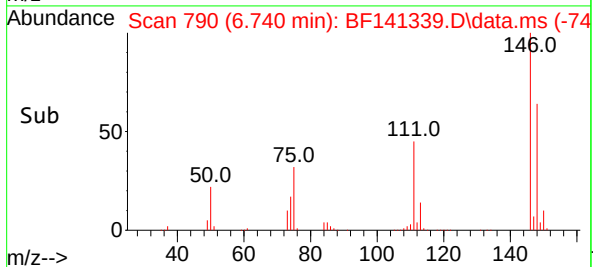
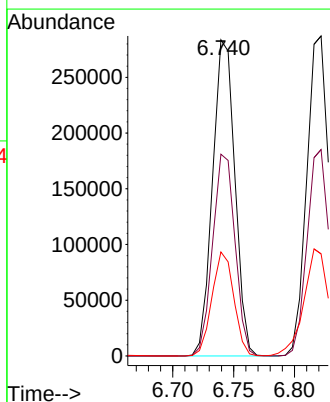
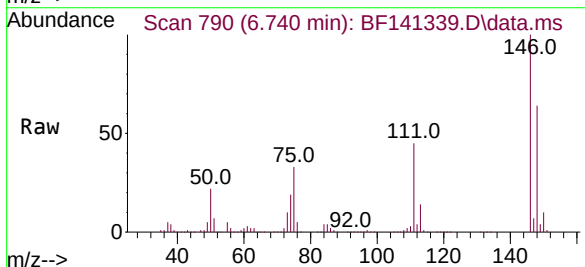
Manual Integrations
APPROVED

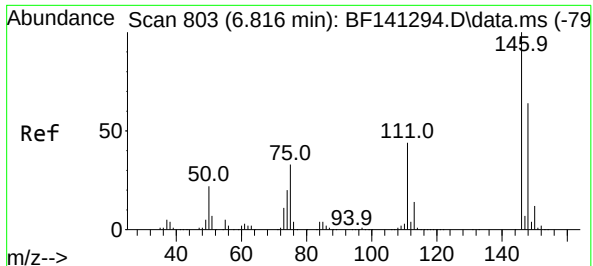
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 35.790 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:146 Resp: 362442
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 35.719 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:146 Resp: 36338

Ion Ratio Lower Upper

146 100

148 64.5 51.2 76.8

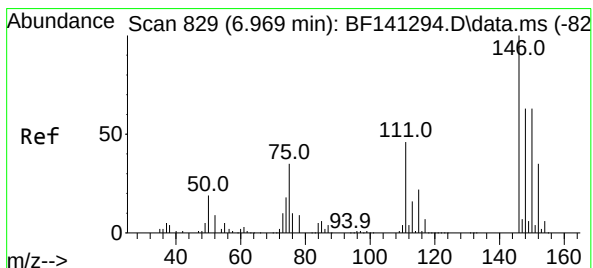
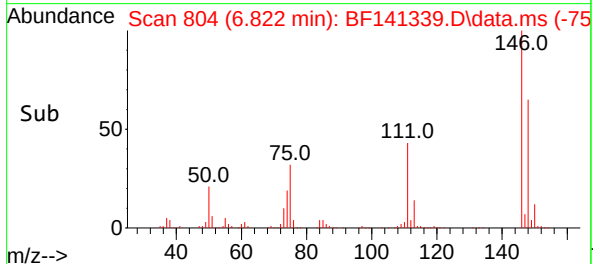
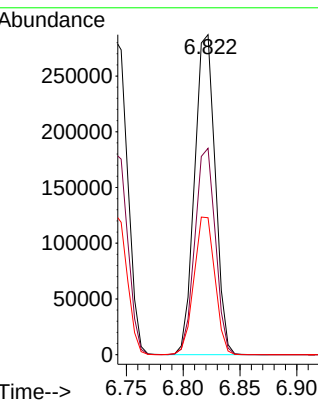
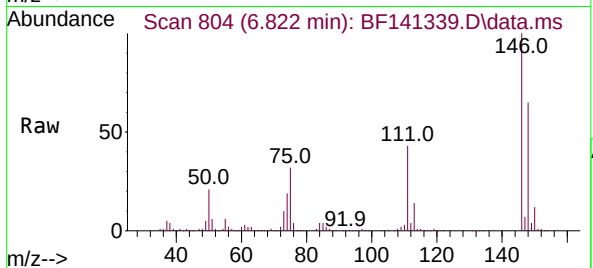
111 42.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 36.070 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

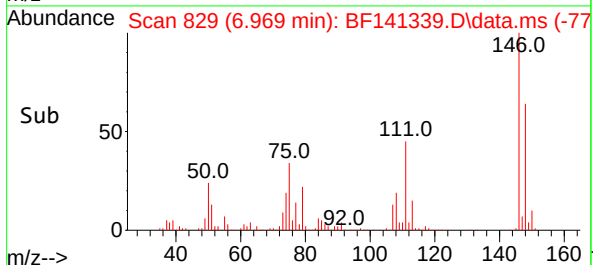
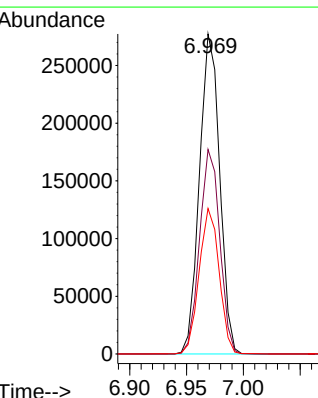
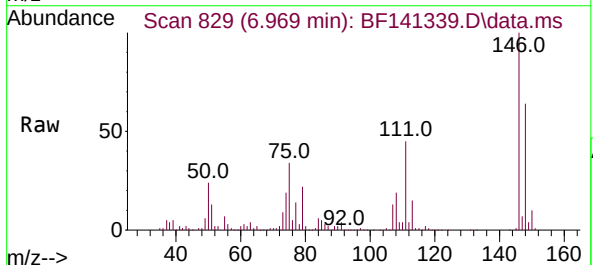
Tgt Ion:146 Resp: 343621

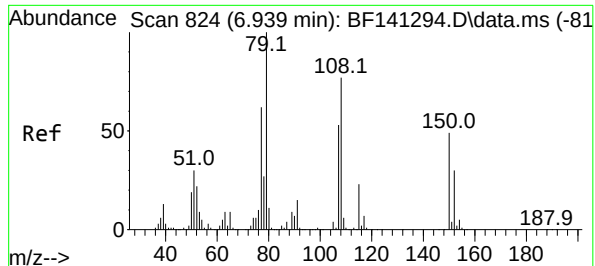
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 45.5 36.6 55.0





#15

Benzyl Alcohol

Concen: 39.023 ng

RT: 6.957 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 79 Resp: 29071

Ion Ratio Lower Upper

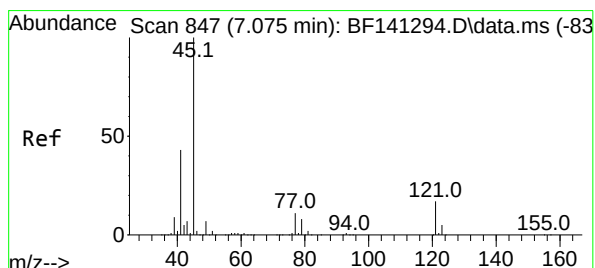
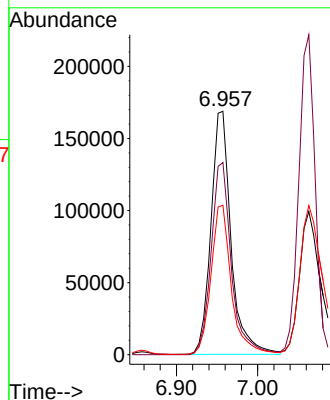
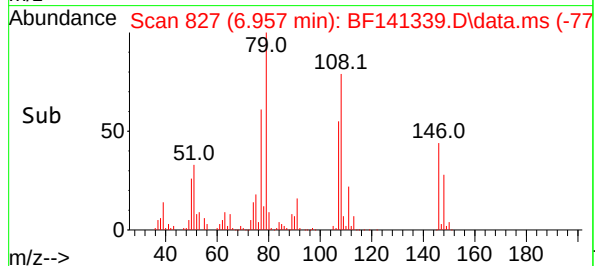
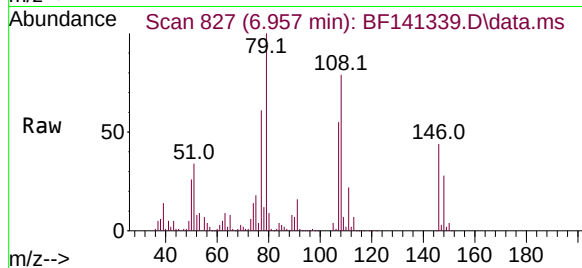
79 100

108 79.0 61.4 92.0

77 61.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.852 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

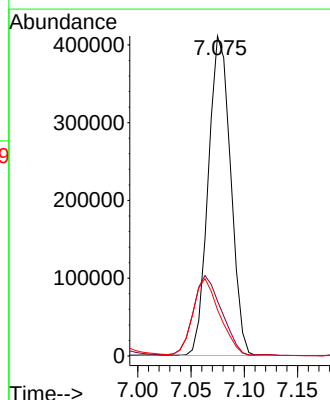
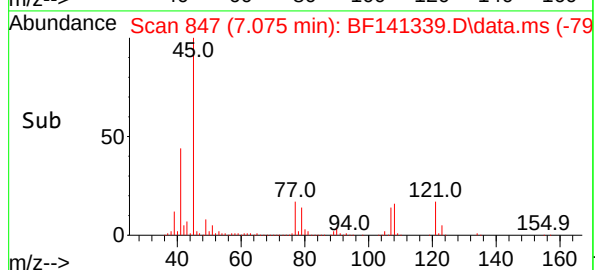
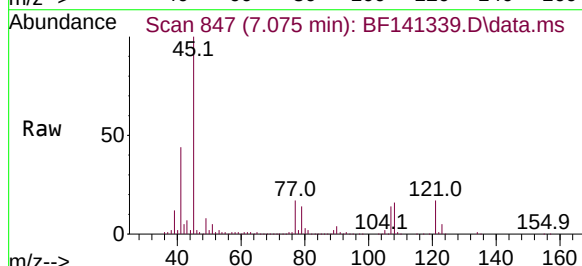
Tgt Ion: 45 Resp: 598595

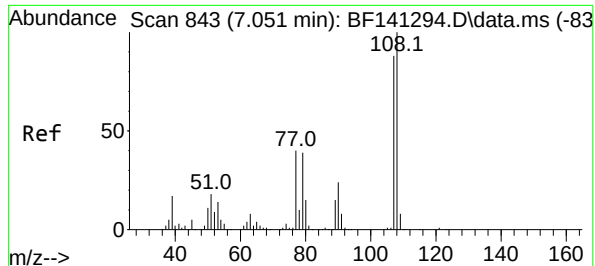
Ion Ratio Lower Upper

45 100

77 17.2 0.0 31.8

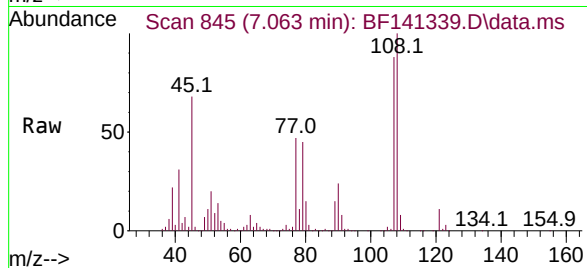
79 14.5 0.0 29.1





#17
2-Methylphenol
Concen: 36.294 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

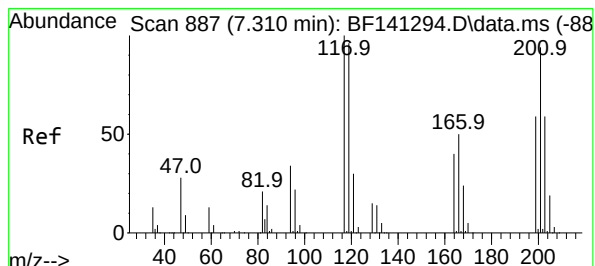
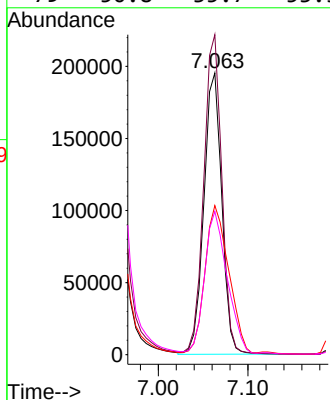
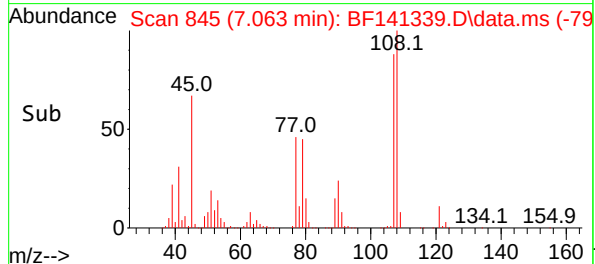
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



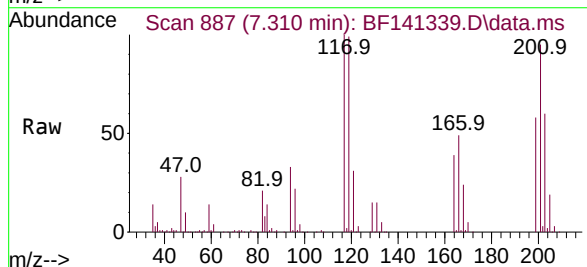
Tgt Ion:107 Resp: 27092
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 52.9 36.2 54.4
79 50.8 35.7 53.5

Manual Integrations
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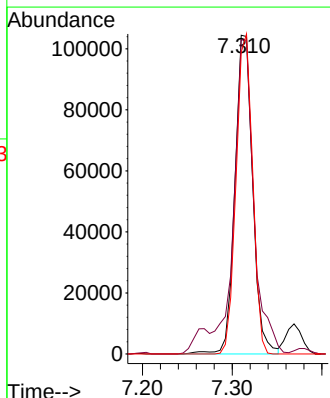
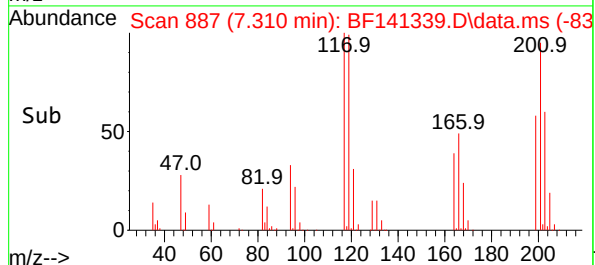
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

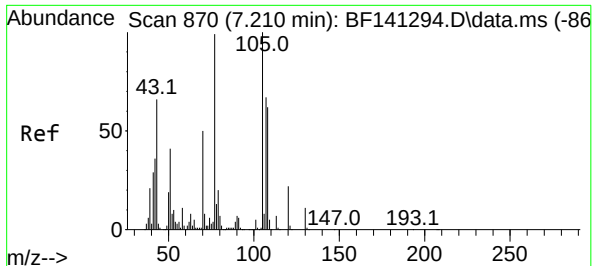


#18
Hexachloroethane
Concen: 38.303 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:117 Resp: 143756
Ion Ratio Lower Upper
117 100
119 98.5 76.6 114.8
201 94.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.144 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141339.D

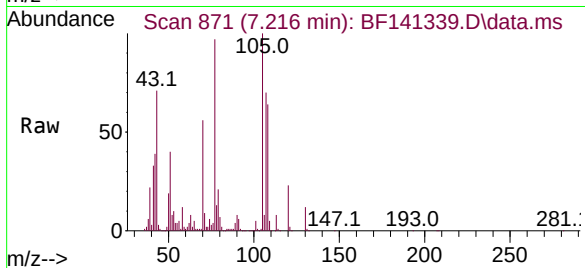
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion: 70 Resp: 24059

Ion Ratio Lower Upper

70 100

42 69.5 56.8 85.2

101 9.7 7.7 11.5

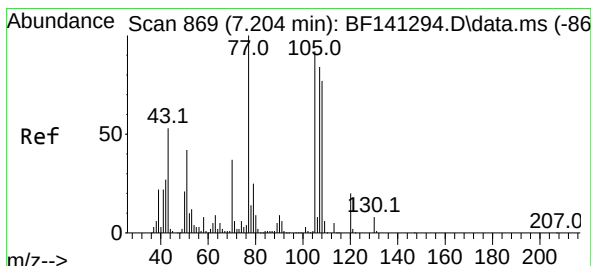
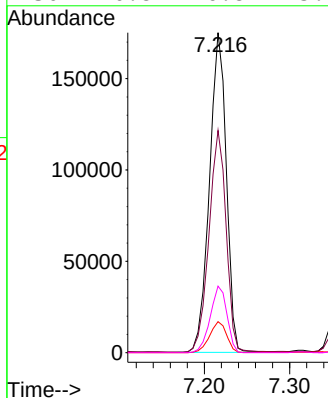
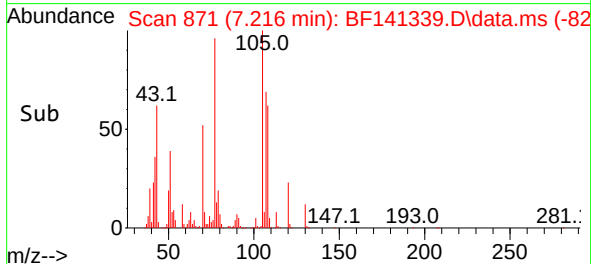
130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

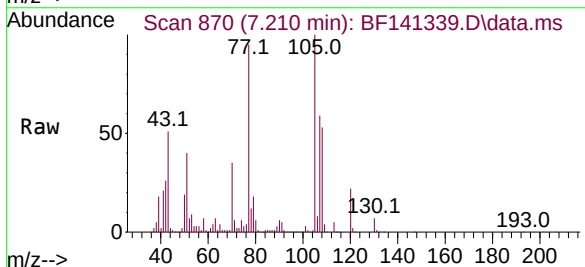
Concen: 35.496 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44



Tgt Ion:107 Resp: 325334

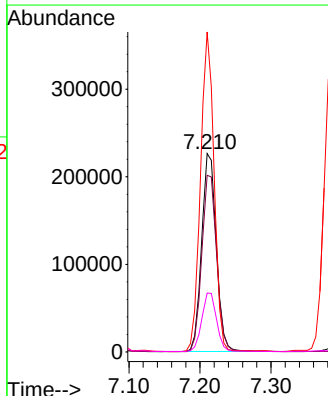
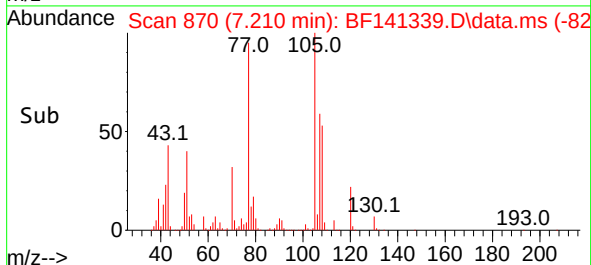
Ion Ratio Lower Upper

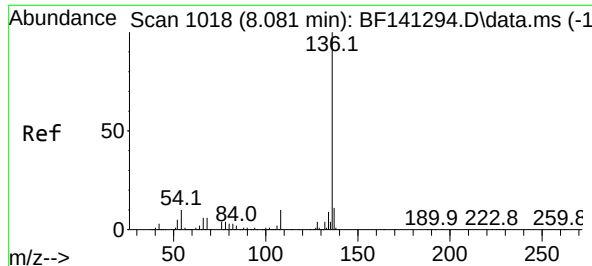
107 100

108 89.1 70.9 110.9

77 161.3 98.5 138.5#

79 29.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:136 Resp: 43447

Ion Ratio Lower Upper

136 100

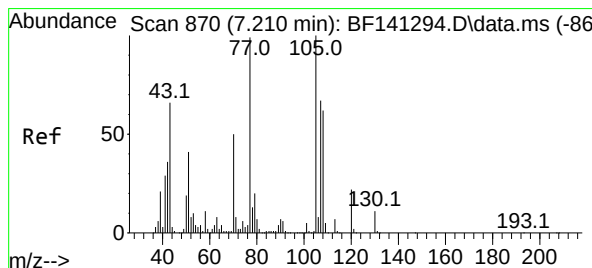
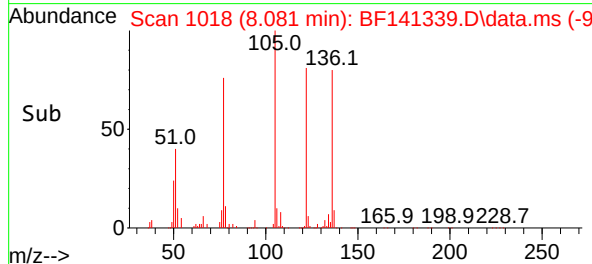
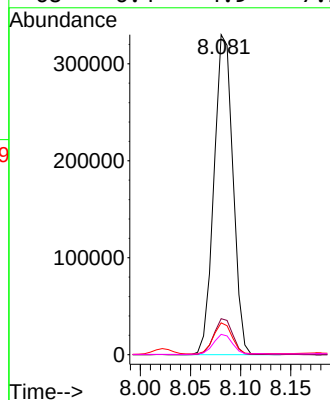
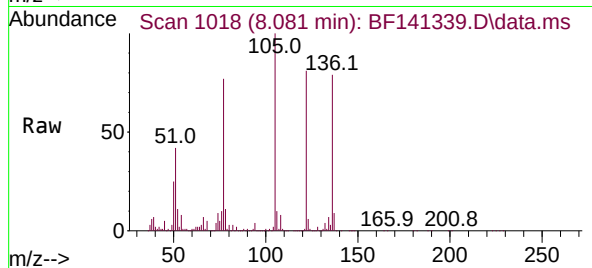
137 11.3 8.6 13.0

54 10.0 7.8 11.8

68 6.4 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 49.252 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:105 Resp: 508642

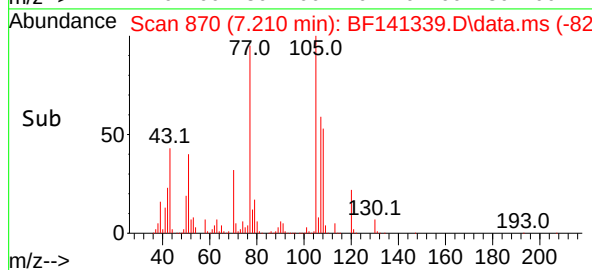
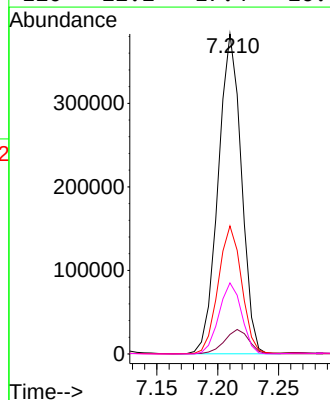
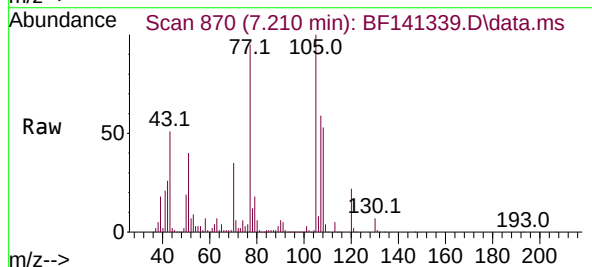
Ion Ratio Lower Upper

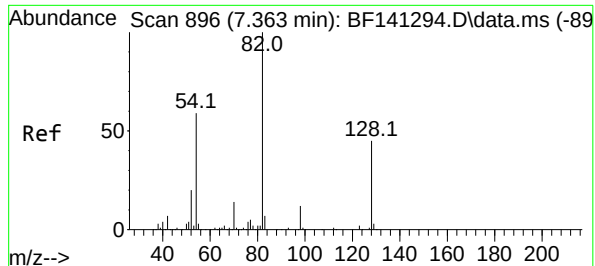
105 100

71 6.1 6.8 10.2#

51 40.0 32.6 49.0

120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.850 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 82 Resp: 765234

Ion Ratio Lower Upper

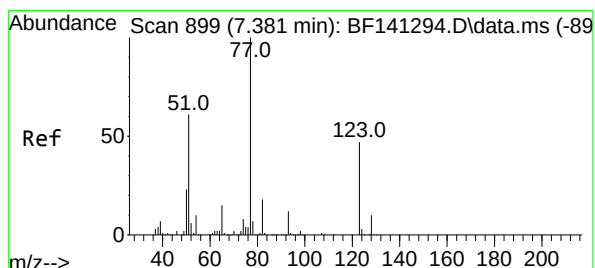
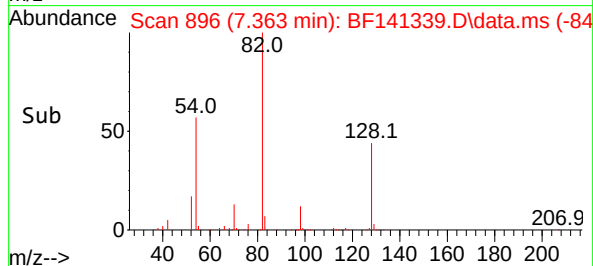
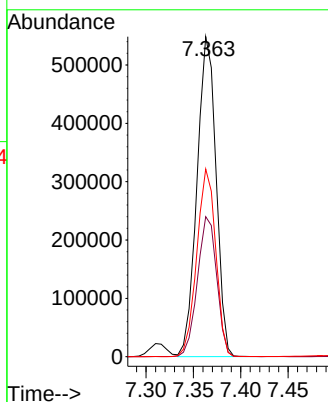
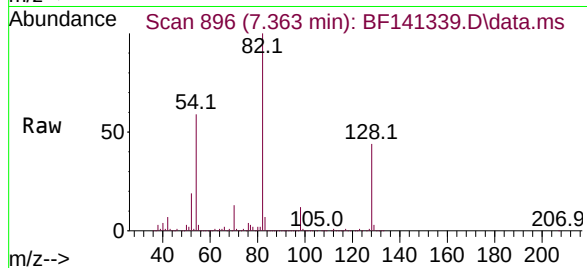
82 100

128 43.8 35.7 53.5

54 58.6 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 47.643 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

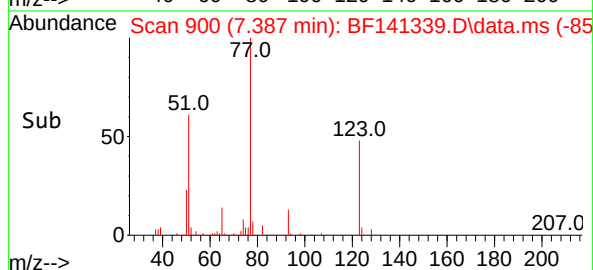
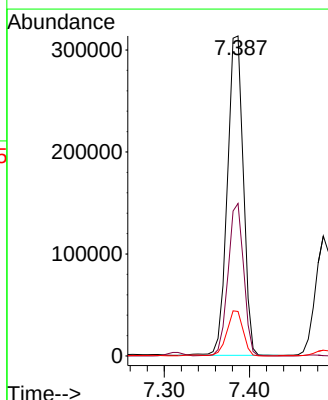
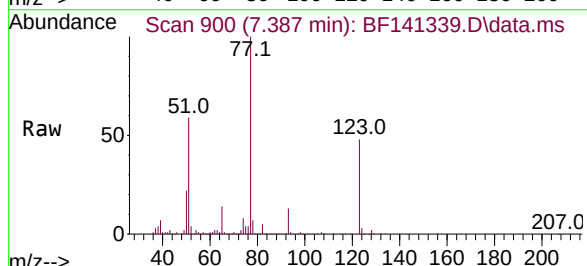
Tgt Ion: 77 Resp: 406912

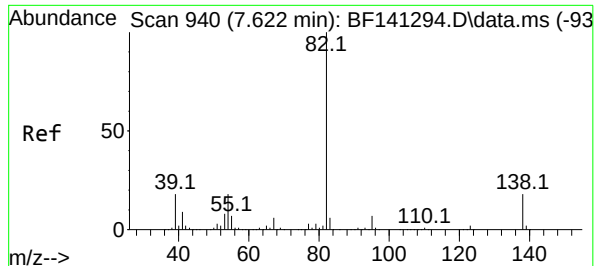
Ion Ratio Lower Upper

77 100

123 47.7 37.3 55.9

65 13.9 11.8 17.6





#25

Isophorone

Concen: 39.690 ng

RT: 7.628 min Scan# 941

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 82 Resp: 565439

Ion Ratio Lower Upper

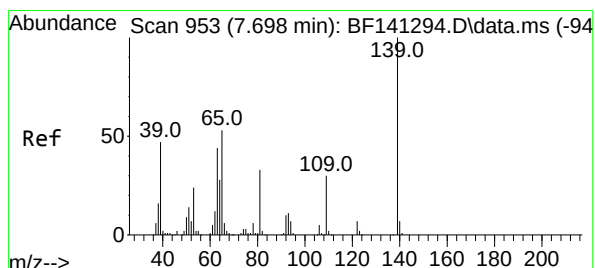
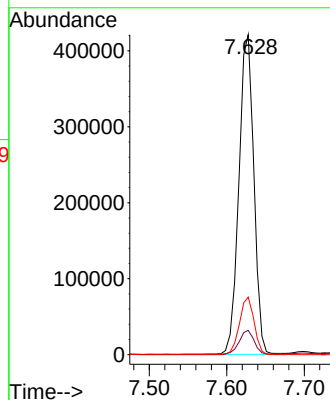
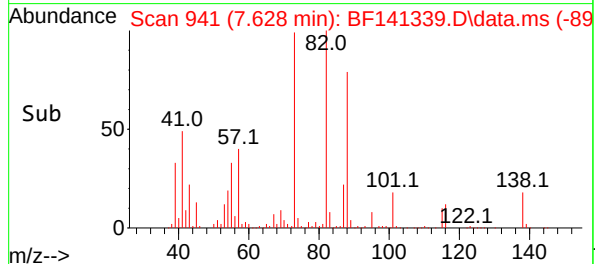
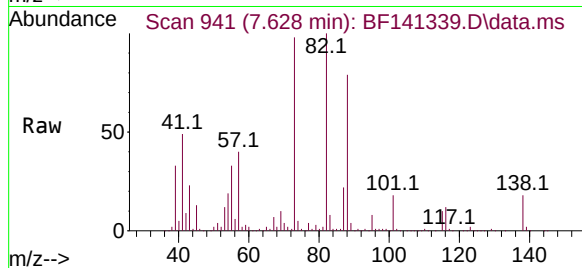
82 100

95 7.6 5.8 8.6

138 18.0 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#26

2-Nitrophenol

Concen: 37.190 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

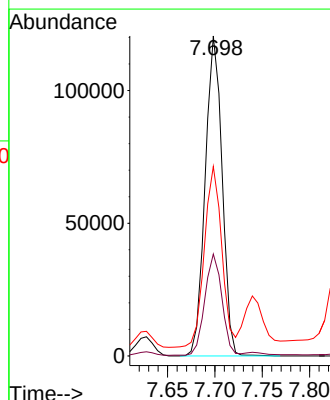
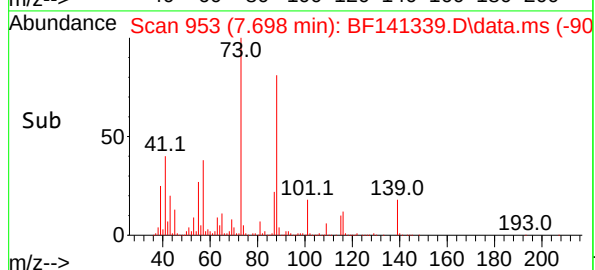
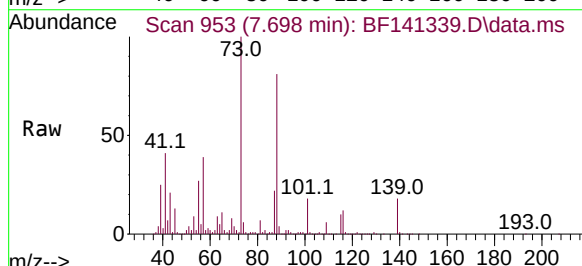
Tgt Ion:139 Resp: 149802

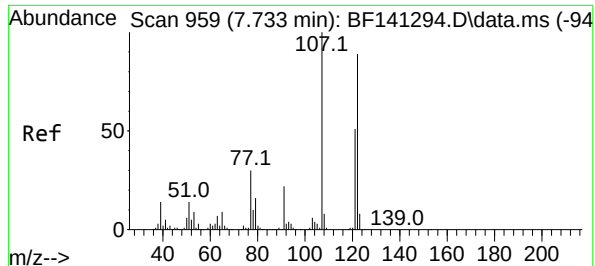
Ion Ratio Lower Upper

139 100

109 31.8 23.8 35.6

65 59.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 43.614 ng m

RT: 7.739 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:122 Resp: 223609

Ion Ratio Lower Upper

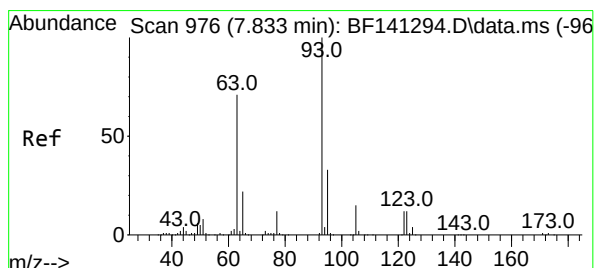
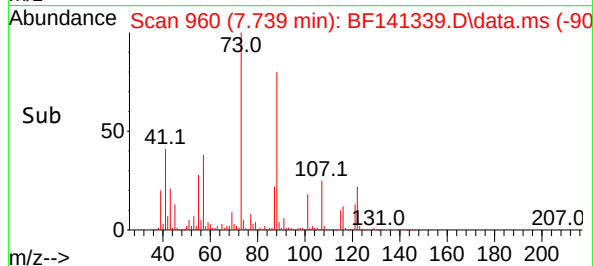
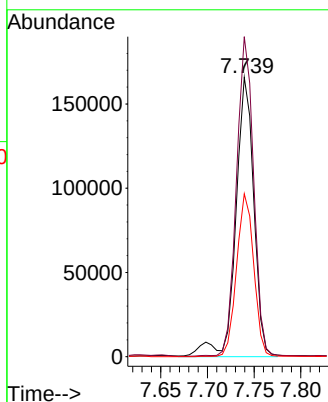
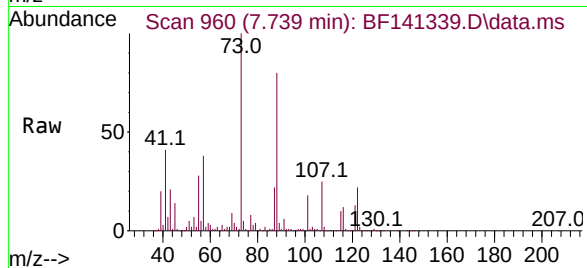
122 100

107 114.6 89.9 134.9

121 58.3 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 32.783 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

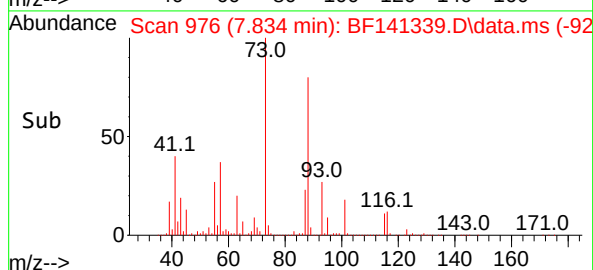
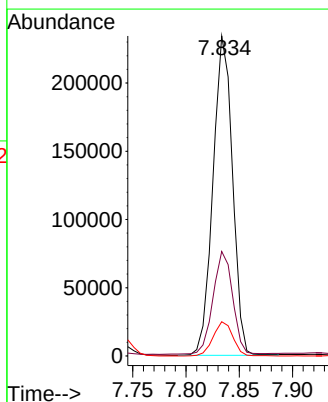
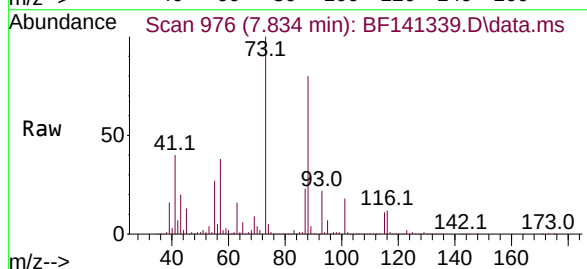
Tgt Ion: 93 Resp: 297915

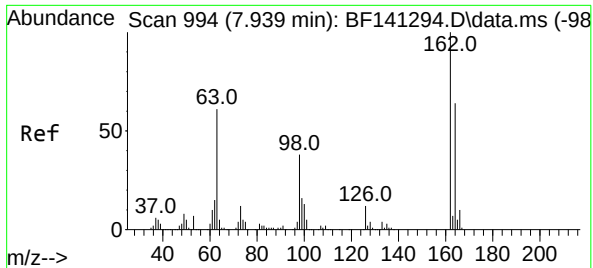
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 10.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.317 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

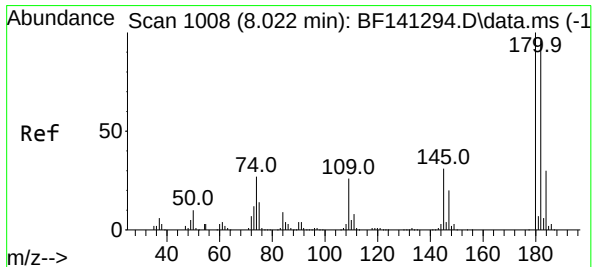
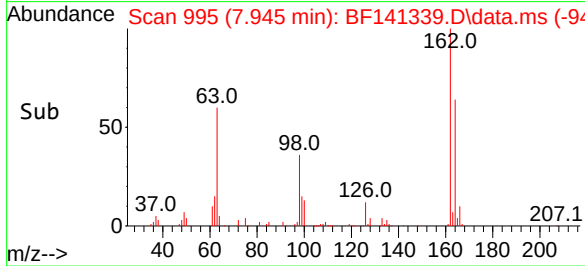
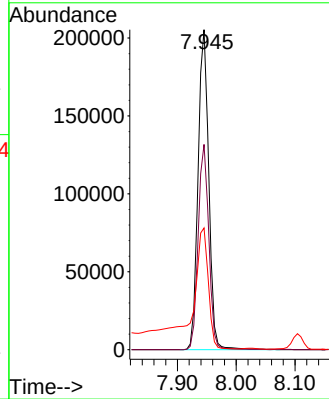
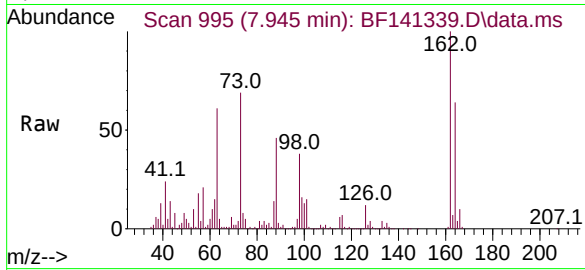
Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:	162	Resp:	25932
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.2	84.2
98	38.0	18.2	58.2

Manual Integrations
APPROVEDReviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 39.819 ng

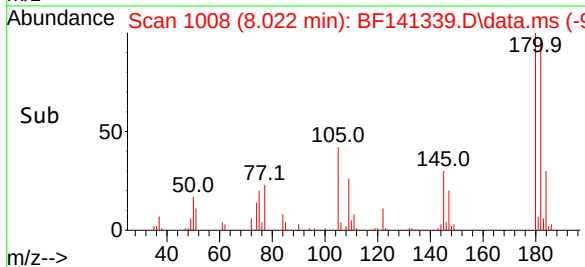
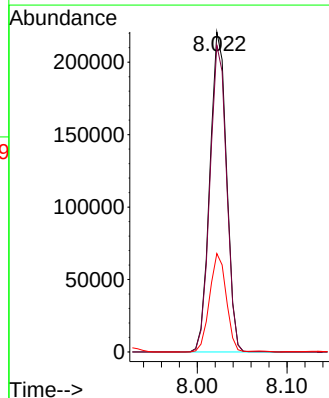
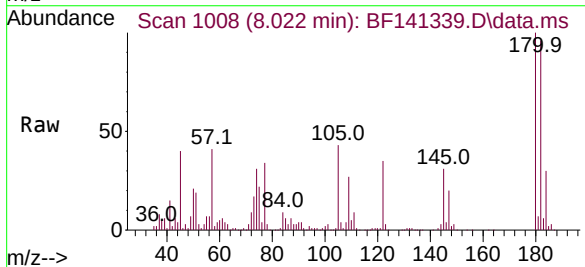
RT: 8.022 min Scan# 1008

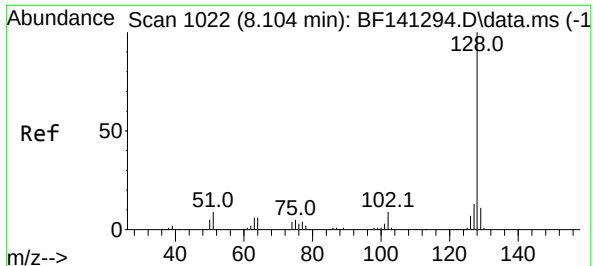
Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:	180	Resp:	285426
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.4	114.6
145	30.7	24.9	37.3





#31

Naphthalene

Concen: 38.417 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:128 Resp: 88174

Ion Ratio Lower Upper

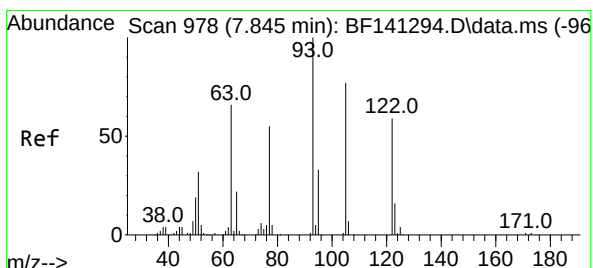
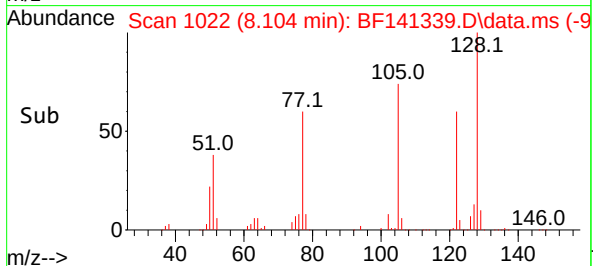
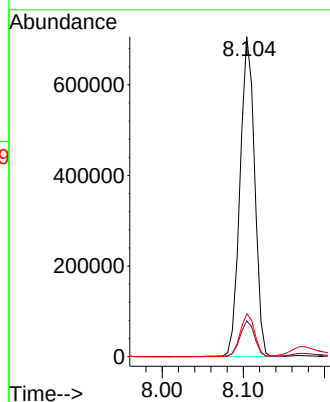
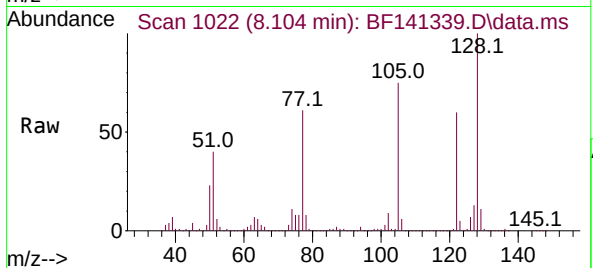
128 100

129 11.2 8.9 13.3

127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#32

Benzoic acid

Concen: 3944.485 ng m

RT: 8.381 min Scan# 1069

Delta R.T. 0.500 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

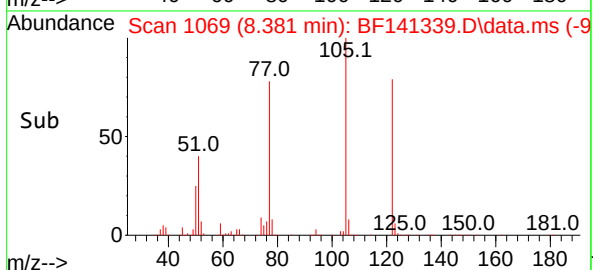
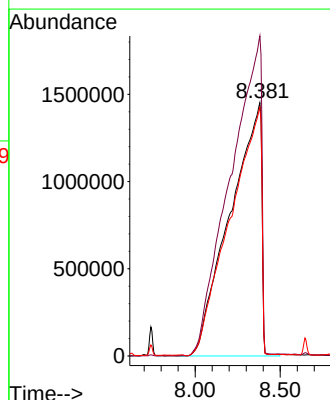
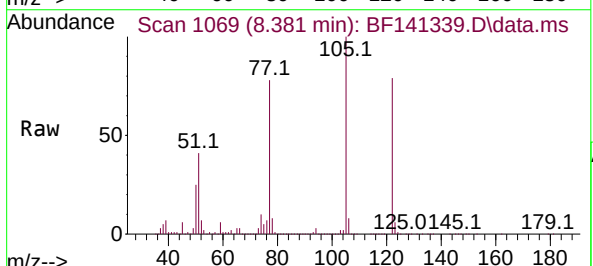
Tgt Ion:122 Resp:18590870

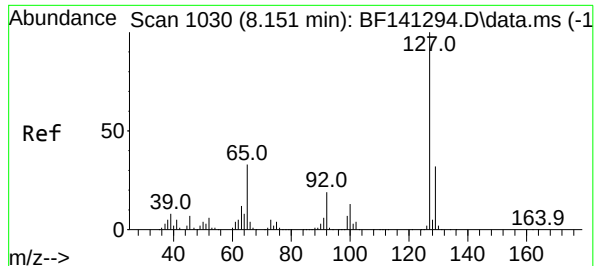
Ion Ratio Lower Upper

122 100

105 126.4 103.4 143.4

77 98.1 70.9 110.9





#33

4-Chloroaniline

Concen: 10.555 ng

RT: 8.175 min Scan# 1030

Delta R.T. 0.018 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

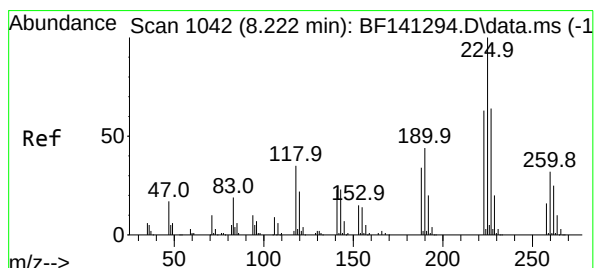
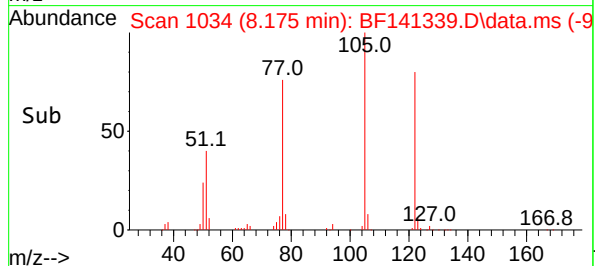
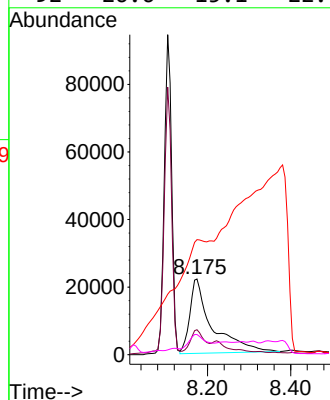
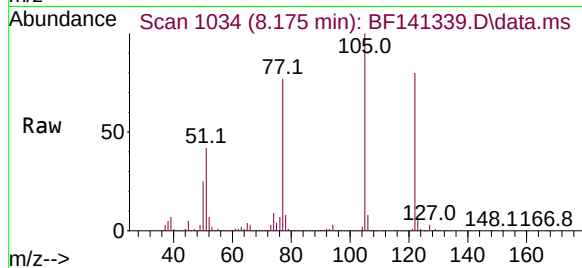
BELL-25-002MS

Tgt Ion:	127	Resp:	8215
Ion Ratio	Lower	Upper	
127	100		
129	33.1	25.7	38.5
65	151.9	26.4	39.6
92	26.6	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 34.219 ng

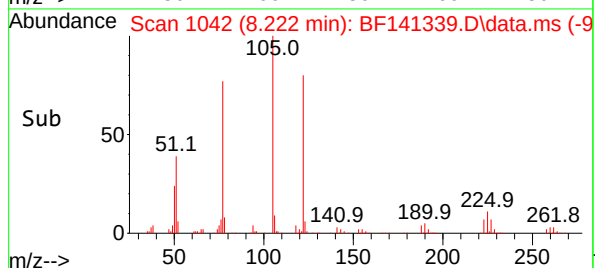
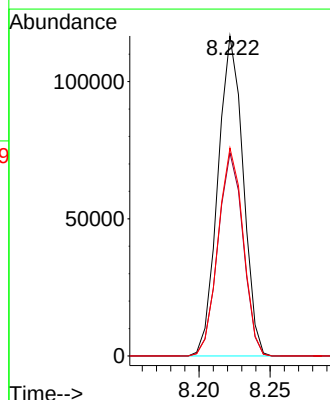
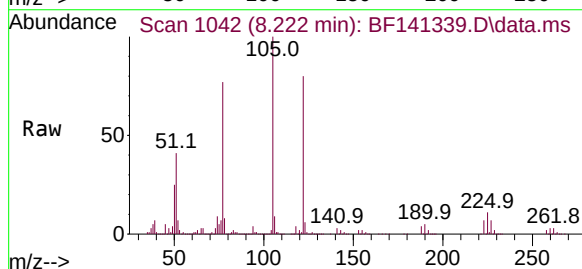
RT: 8.222 min Scan# 1042

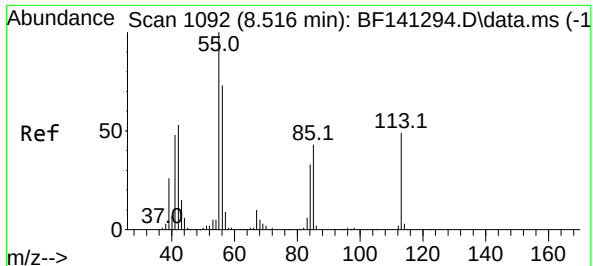
Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:	225	Resp:	143844
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.4	75.6
227	65.0	51.3	76.9





#35

Caprolactam

Concen: 34.511 ng

RT: 8.686 min Scan# 1114

Delta R.T. 0.141 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:113 Resp: 7074

Ion Ratio Lower Upper

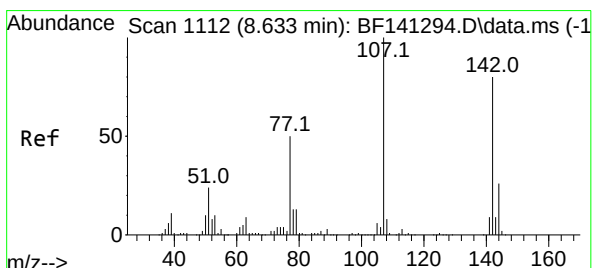
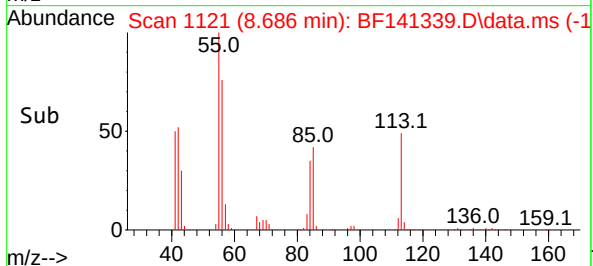
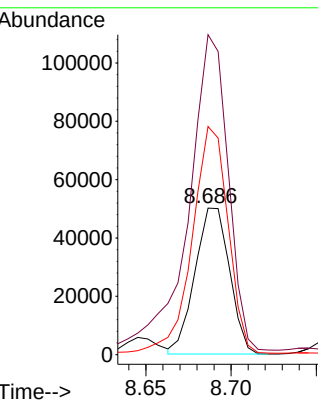
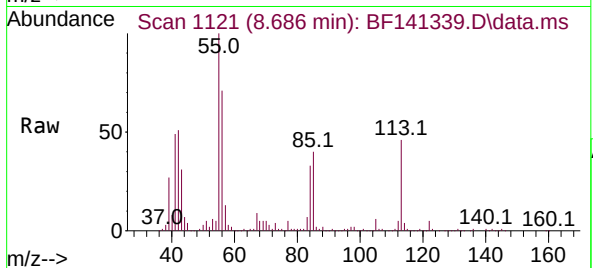
113 100

55 218.3 182.9 222.9

56 155.6 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#36

4-Chloro-3-methylphenol

Concen: 39.508 ng

RT: 8.645 min Scan# 1114

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

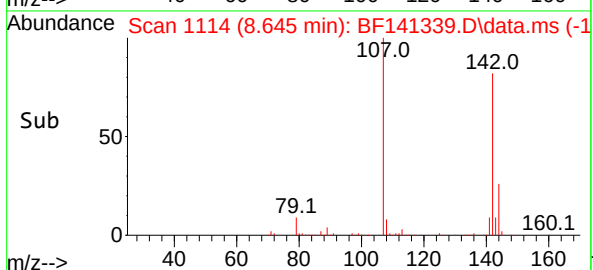
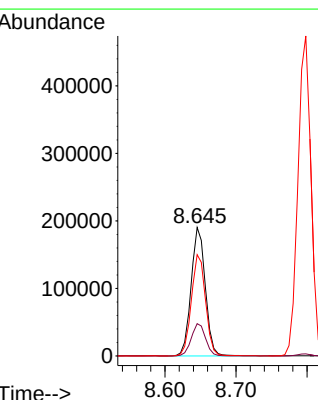
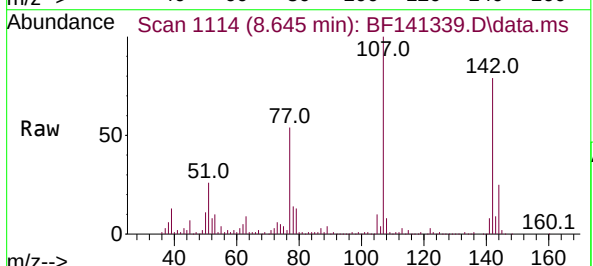
Tgt Ion:107 Resp: 265987

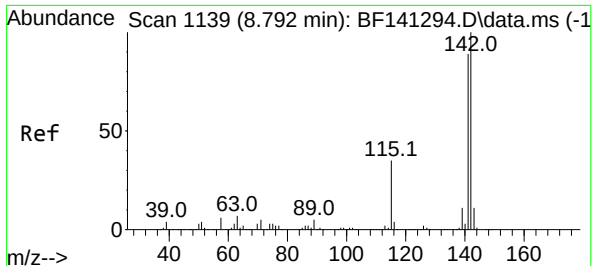
Ion Ratio Lower Upper

107 100

144 25.2 20.7 31.1

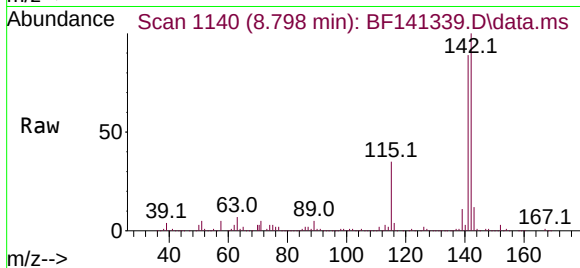
142 78.8 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.162 ng
RT: 8.798 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

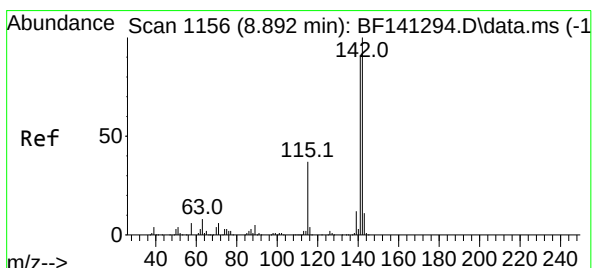
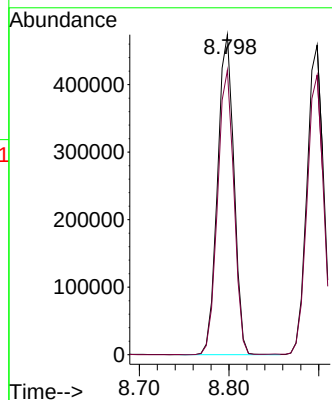
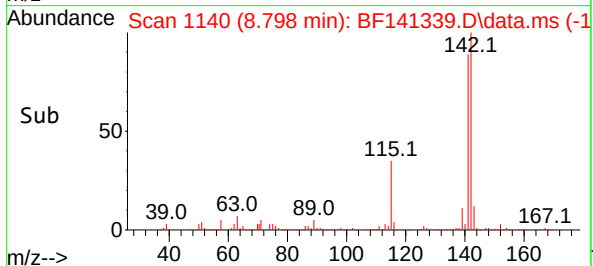
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:142 Resp: 60046
Ion Ratio Lower Upper
142 100
141 88.9 71.3 106.9

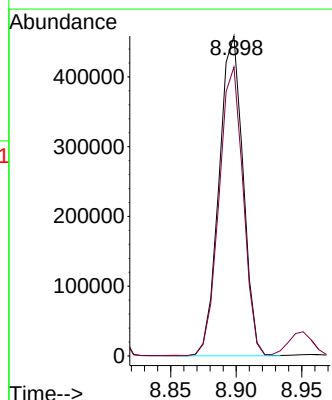
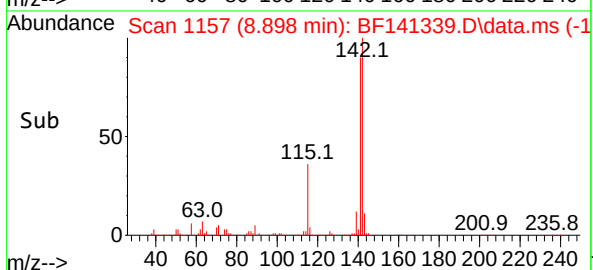
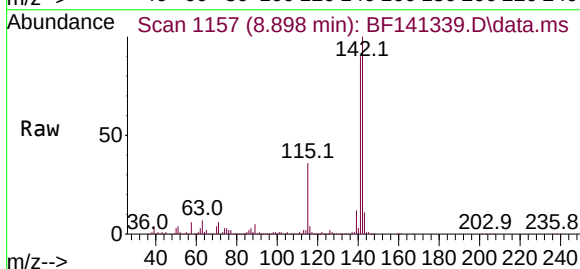
Manual Integrations
APPROVED

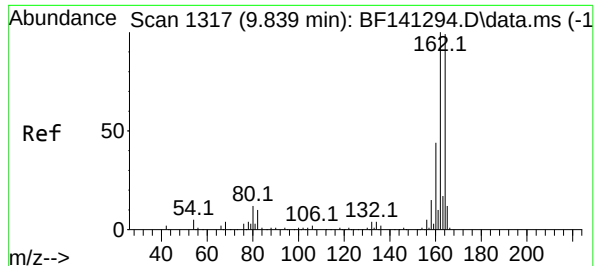
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 40.664 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:142 Resp: 582706
Ion Ratio Lower Upper
142 100
141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141339.D

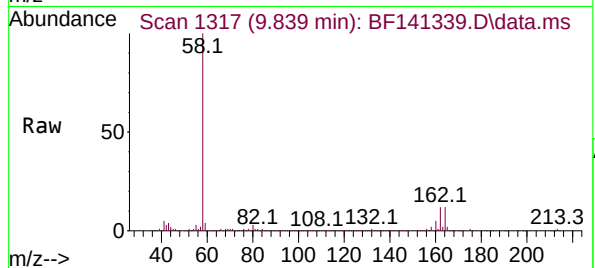
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion:164 Resp: 20886

Ion Ratio Lower Upper

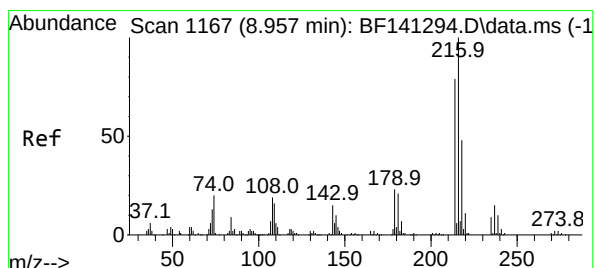
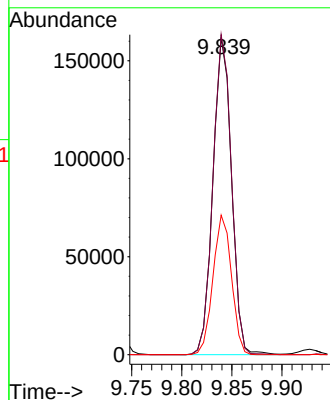
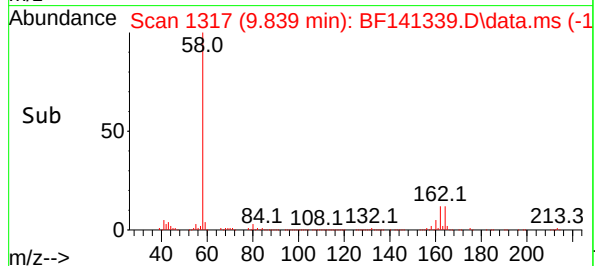
164 100

162 100.9 80.6 121.0

160 44.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

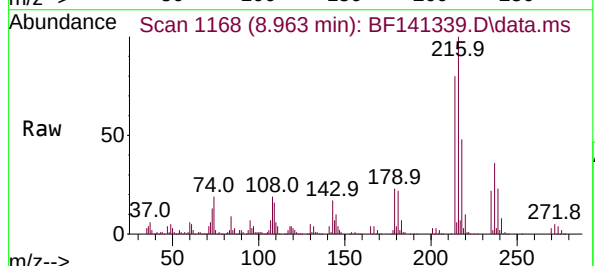
Concen: 50.968 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44



Tgt Ion:216 Resp: 302846

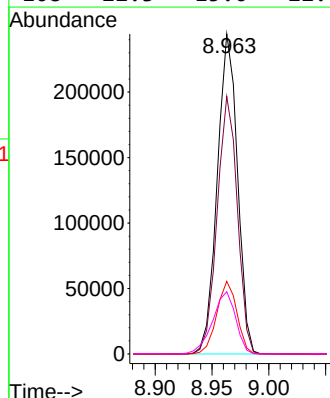
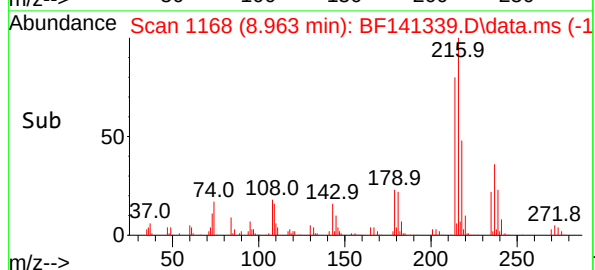
Ion Ratio Lower Upper

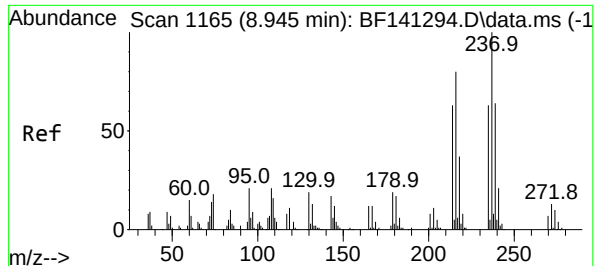
216 100

214 80.1 63.2 94.8

179 22.6 17.8 26.8

108 22.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 205.225 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:237 Resp: 360130

Ion Ratio Lower Upper

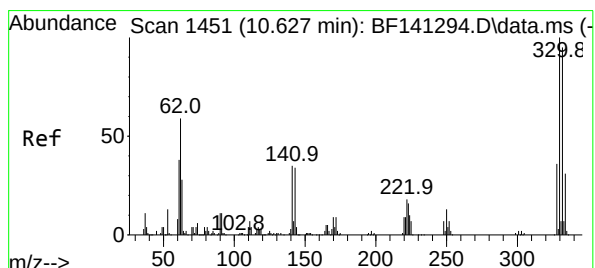
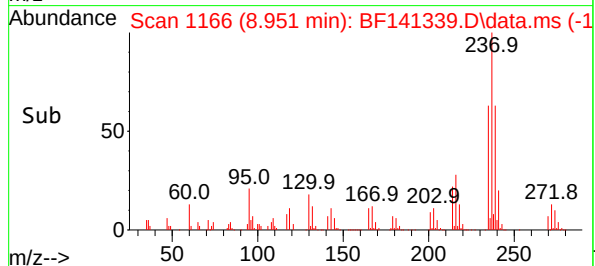
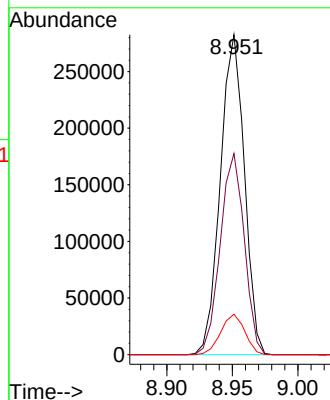
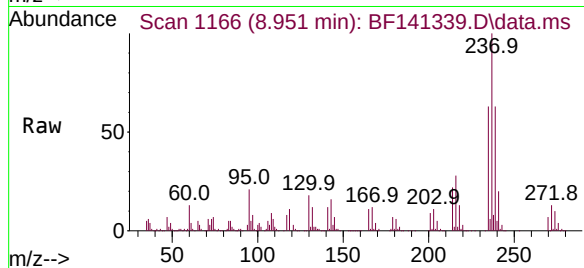
237 100

235 62.8 42.9 82.9

272 12.7 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 120.428 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

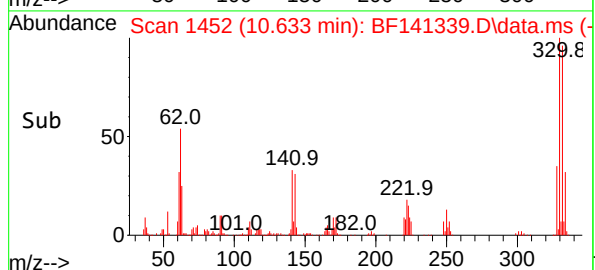
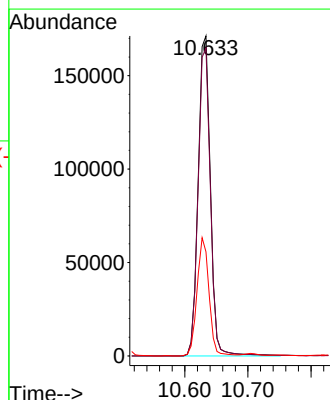
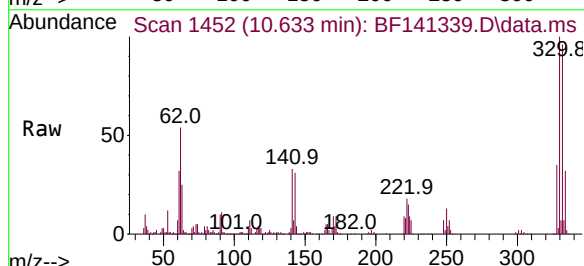
Tgt Ion:330 Resp: 230592

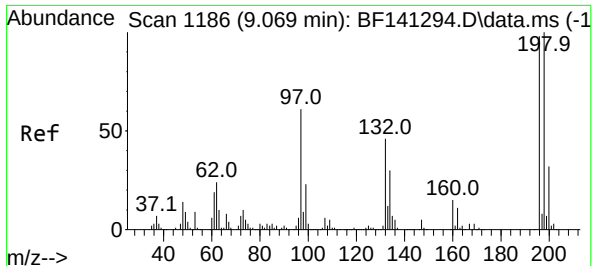
Ion Ratio Lower Upper

330 100

332 96.8 76.1 114.1

141 36.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 46.415 ng

RT: 9.081 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:196 Resp: 18051

Ion Ratio Lower Upper

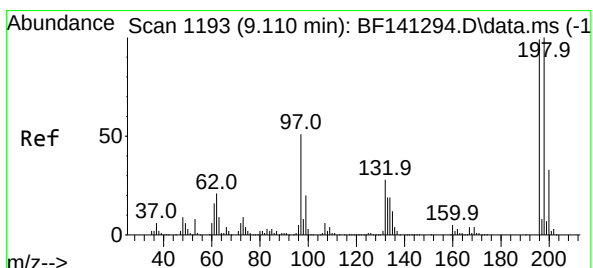
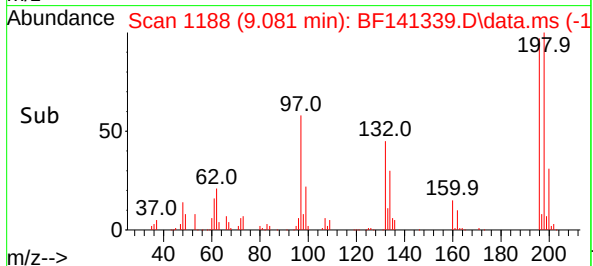
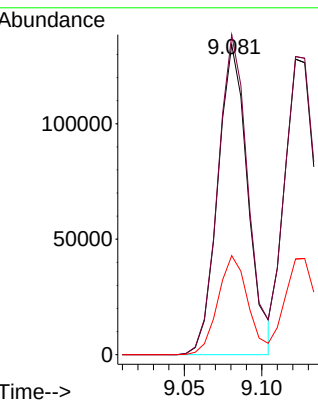
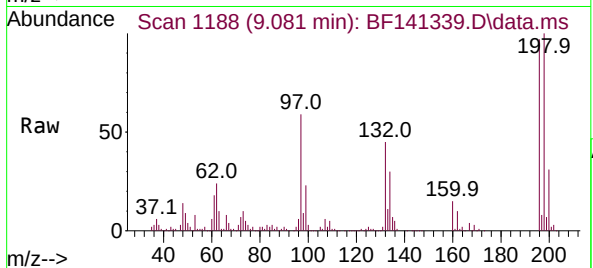
196 100

198 103.2 81.8 122.6

200 32.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#44

2,4,5-Trichlorophenol

Concen: 42.443 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:196 Resp: 179658

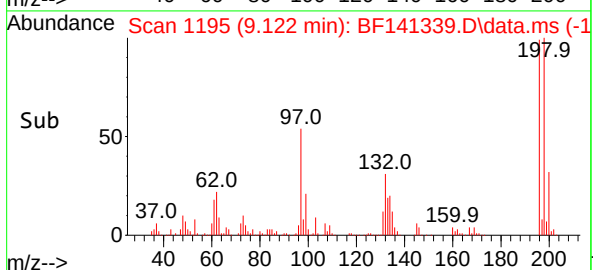
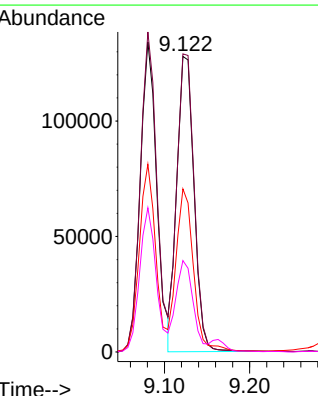
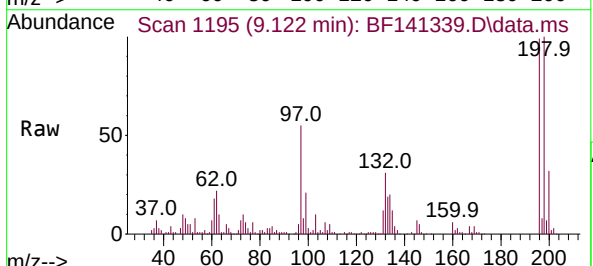
Ion Ratio Lower Upper

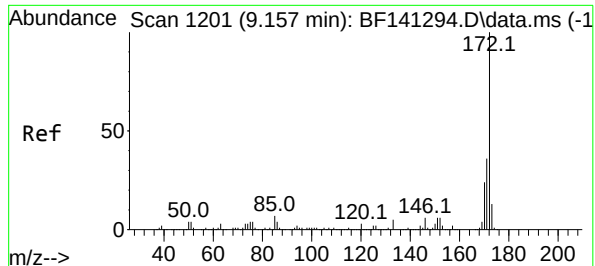
196 100

198 100.9 80.5 120.7

97 55.2 42.8 64.2

132 30.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 92.560 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:172 Resp: 125599

Ion Ratio Lower Upper

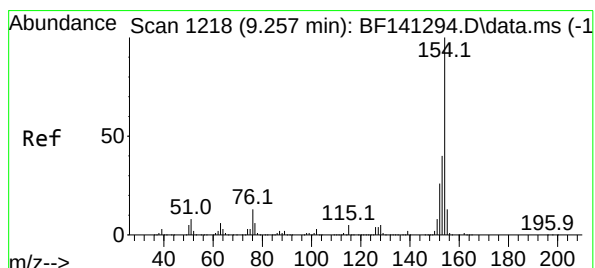
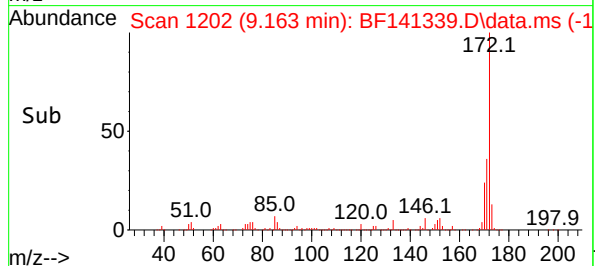
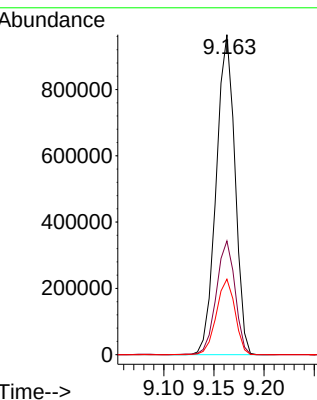
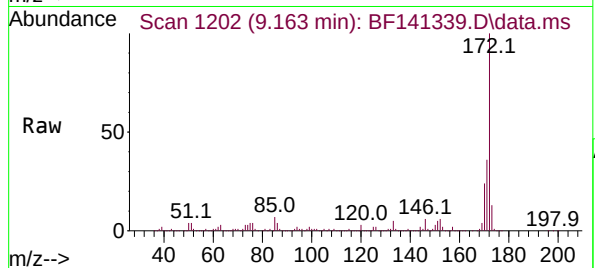
172 100

171 35.5 28.8 43.2

170 23.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 50.887 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

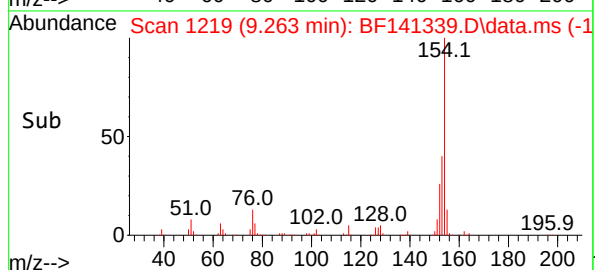
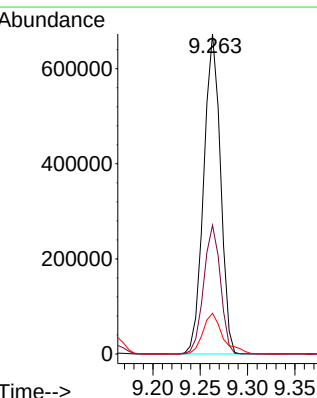
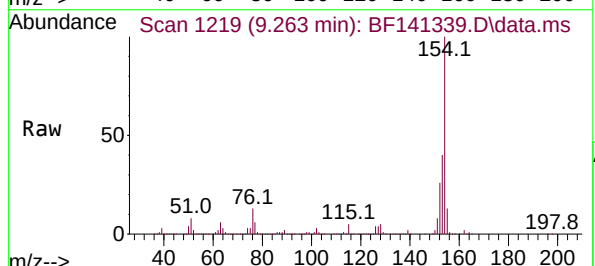
Tgt Ion:154 Resp: 828878

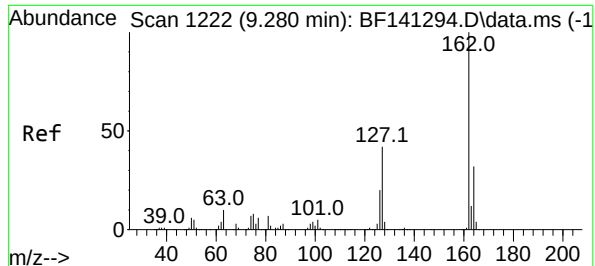
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 43.629 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:162 Resp: 553920

Ion Ratio Lower Upper

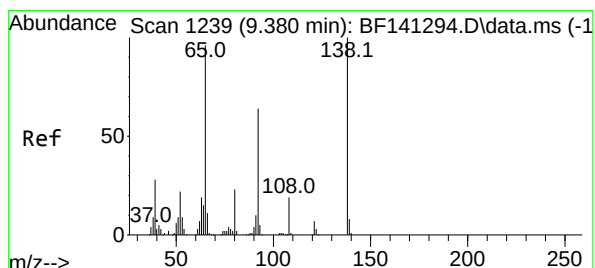
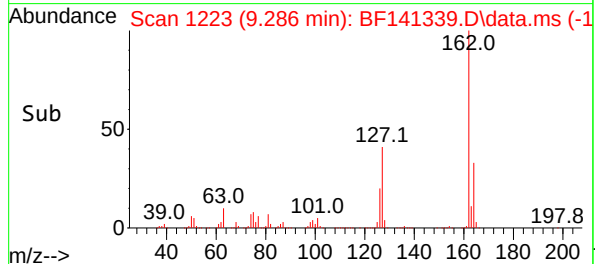
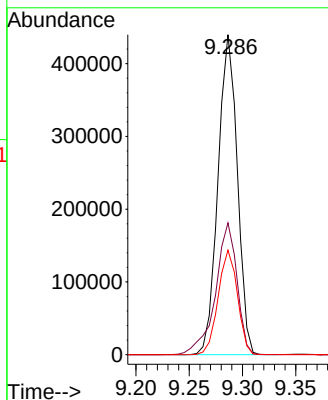
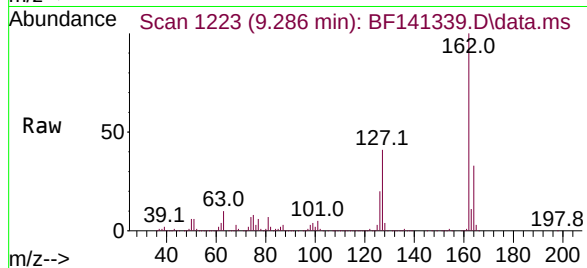
162 100

127 41.2 33.7 50.5

164 32.6 25.9 38.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 34.927 ng

RT: 9.386 min Scan# 1240

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

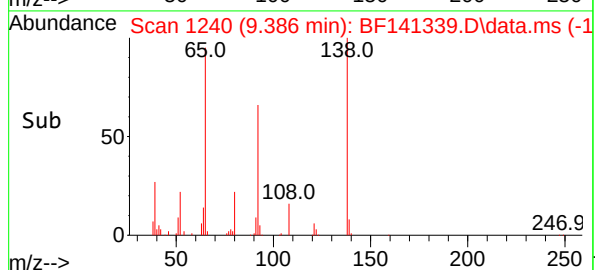
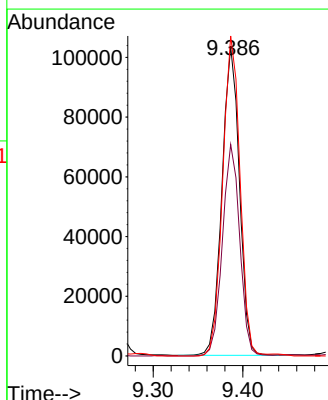
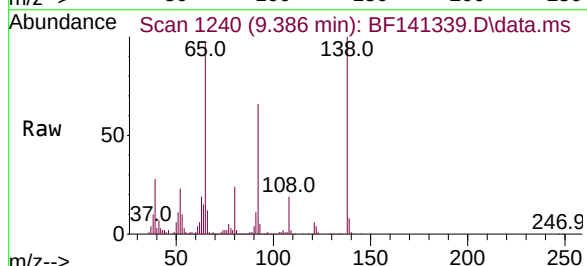
Tgt Ion: 65 Resp: 139480

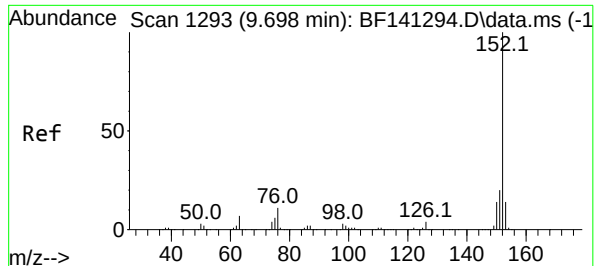
Ion Ratio Lower Upper

65 100

92 68.3 53.3 79.9

138 103.4 83.6 125.4





#49

Acenaphthylene

Concen: 44.453 ng

RT: 9.704 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

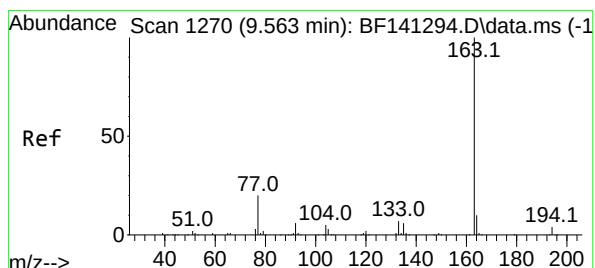
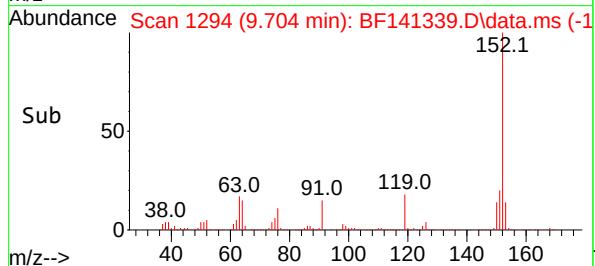
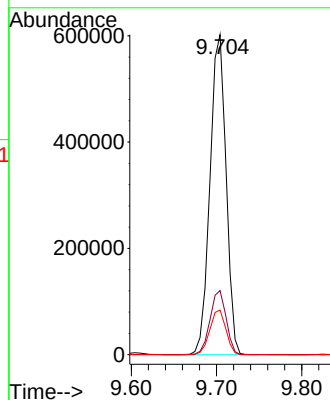
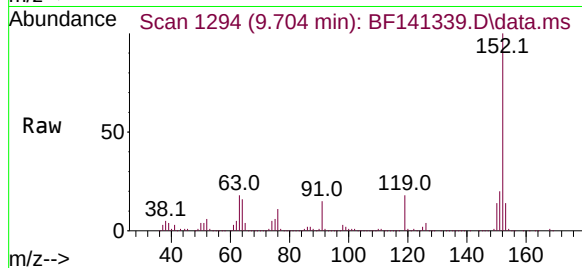
BELL-25-002MS

Tgt Ion:	152	Resp:	79002
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	13.9	11.0	16.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 41.744 ng

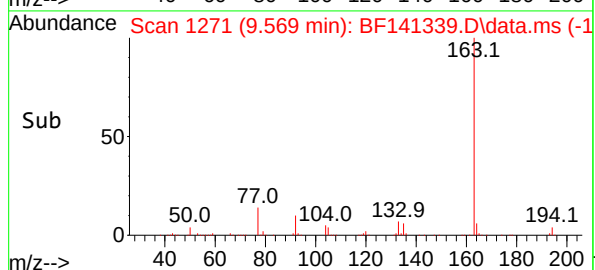
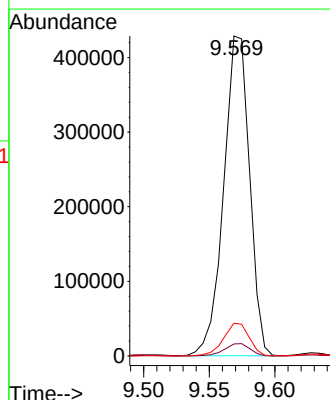
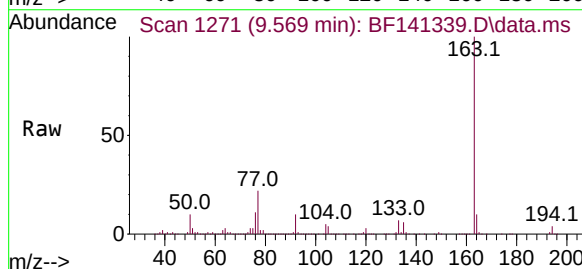
RT: 9.569 min Scan# 1271

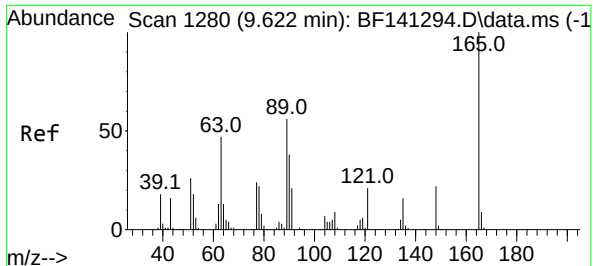
Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:	163	Resp:	588865
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.3	8.0	12.0





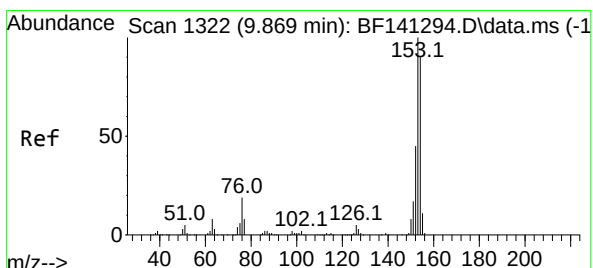
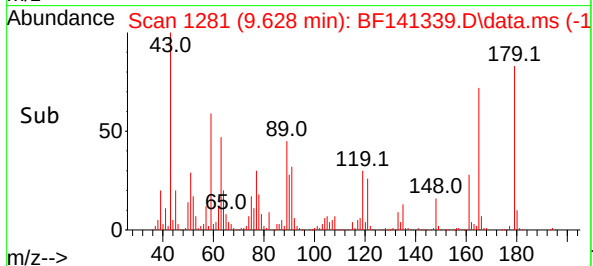
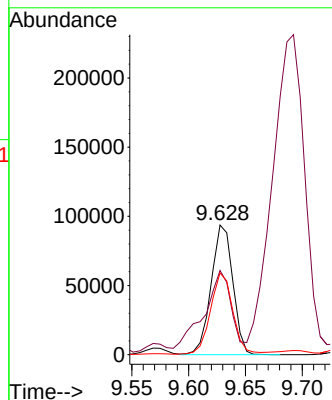
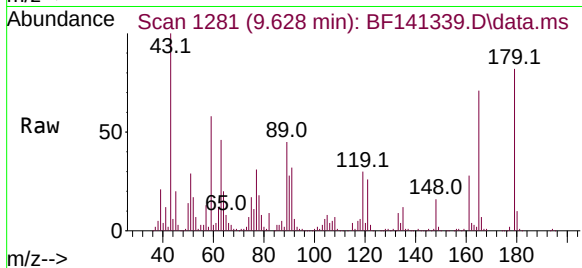
#51
2,6-Dinitrotoluene
Concen: 38.021 ng
RT: 9.628 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:165 Resp: 12453
Ion Ratio Lower Upper
165 100
63 64.9 48.1 72.1
89 63.0 44.9 67.3

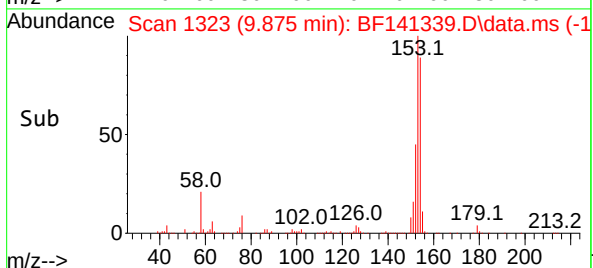
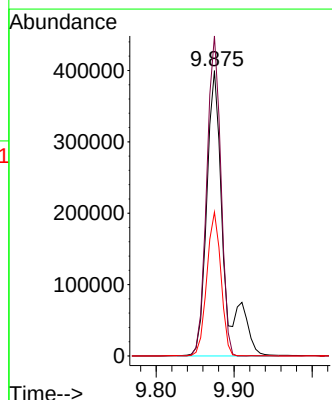
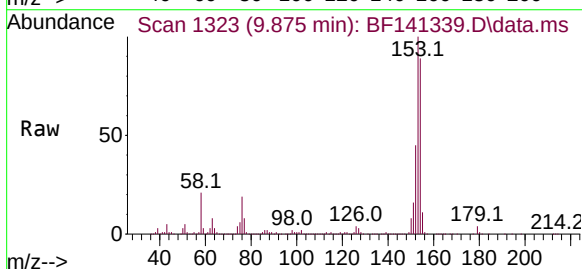
Manual Integrations
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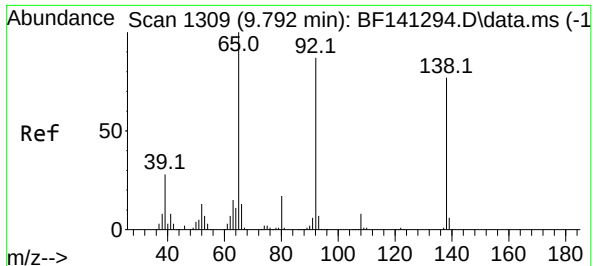
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 47.672 ng m
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:154 Resp: 605265
Ion Ratio Lower Upper
154 100
153 112.2 89.0 133.4
152 50.4 40.2 60.4





#53

3-Nitroaniline

Concen: 11.394 ng

RT: 9.798 min Scan# 1310

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

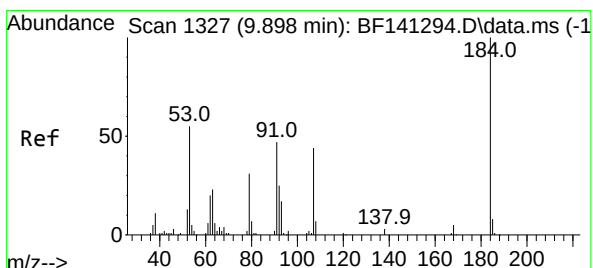
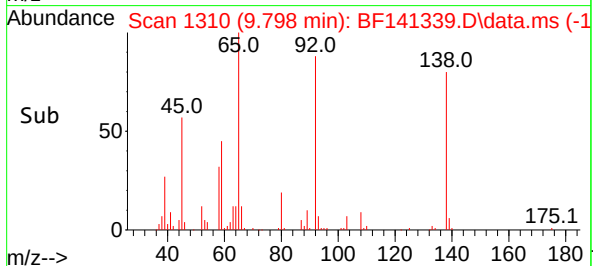
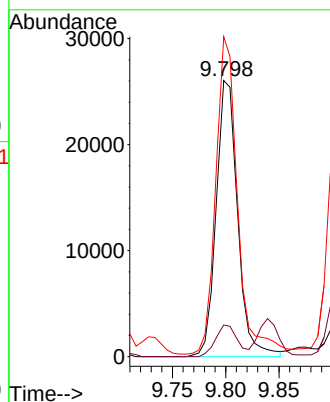
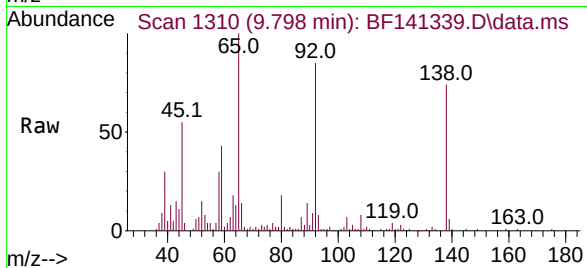
Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:138	Resp:	3657
Ion Ratio	Lower	Upper
138	100	
108	11.5	8.6 12.8
92	115.8	91.0 136.6

Manual Integrations
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Supervised By :mohammad ahmed 02/04/2025

#54

2,4-Dinitrophenol

Concen: 106.201 ng

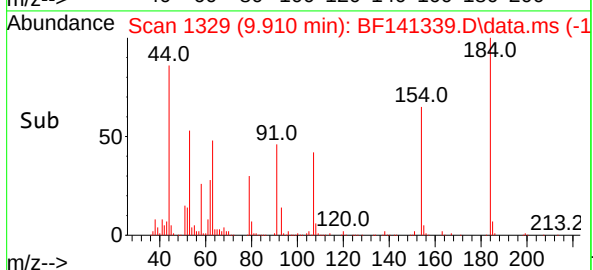
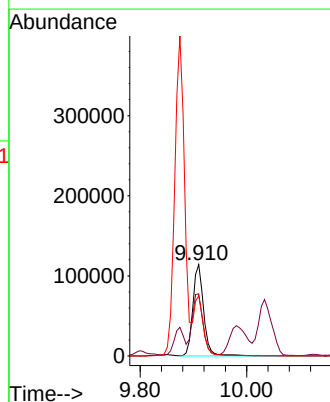
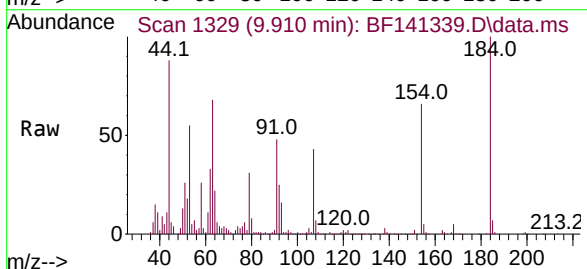
RT: 9.910 min Scan# 1329

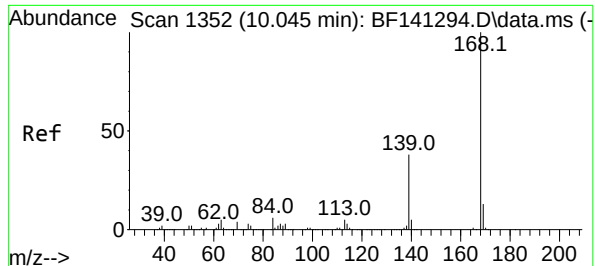
Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:184	Resp:	161698
Ion Ratio	Lower	Upper
184	100	
63	67.9	54.1 81.1
154	65.8	50.7 76.1





#55

Dibenzenofuran

Concen: 42.376 ng

RT: 10.051 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:168 Resp: 72018

Ion Ratio Lower Upper

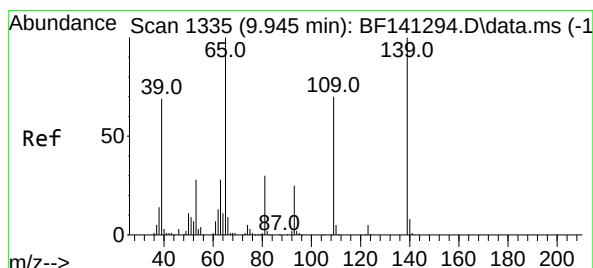
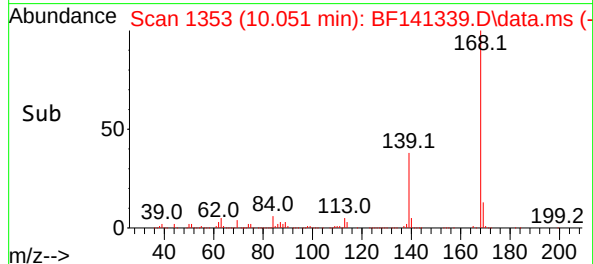
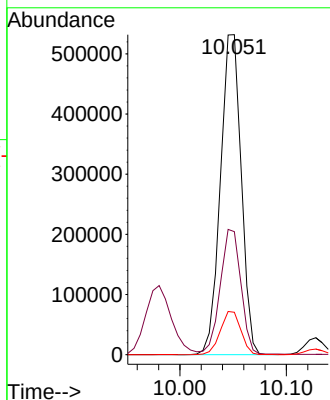
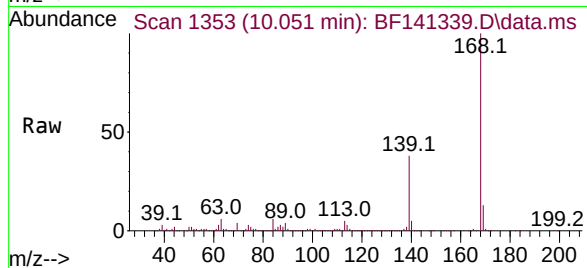
168 100

139 38.5 30.6 46.0

169 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#56

4-Nitrophenol

Concen: 82.853 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.023 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

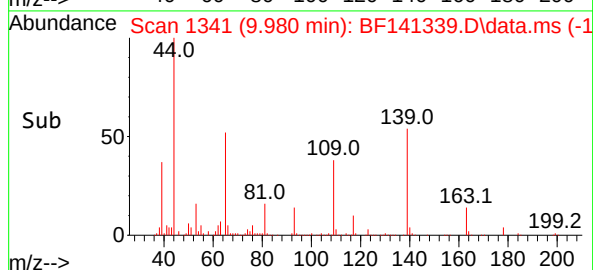
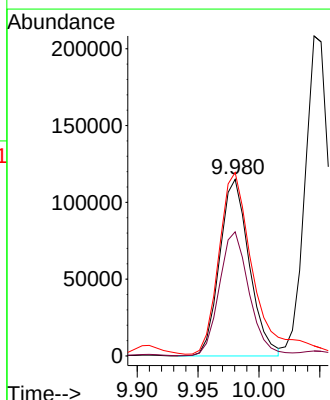
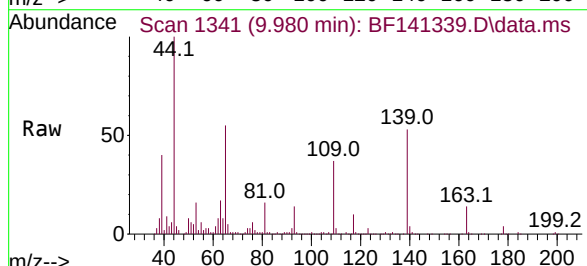
Tgt Ion:139 Resp: 194516

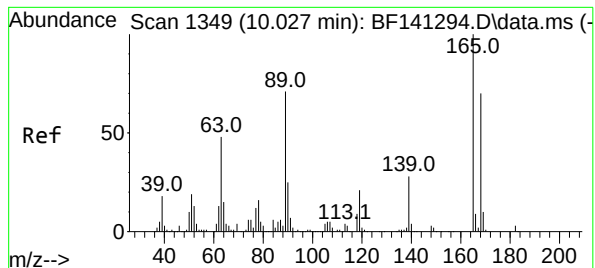
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

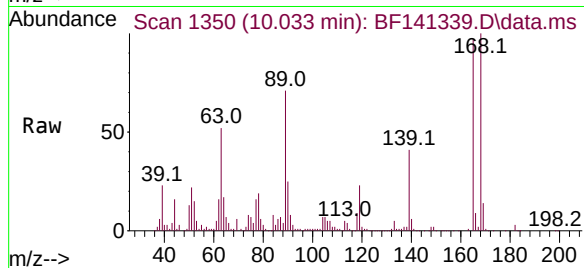
65 103.8 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.431 ng
RT: 10.033 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

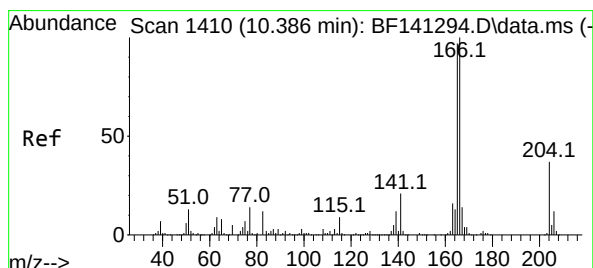
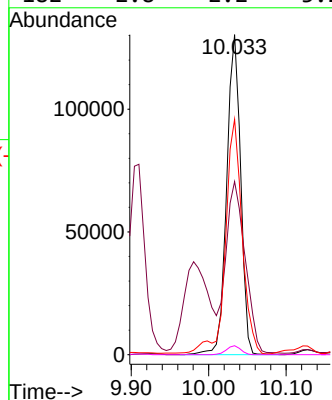
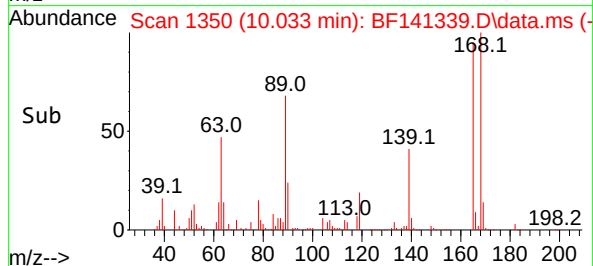
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



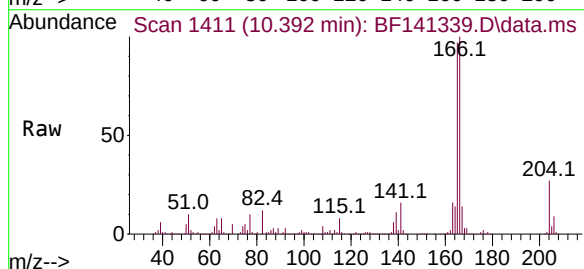
Tgt Ion:165 Resp: 16297
Ion Ratio Lower Upper
165 100
63 54.1 39.2 58.8
89 73.5 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

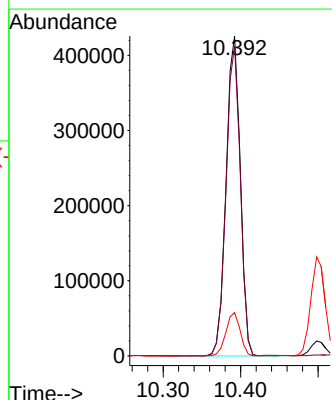
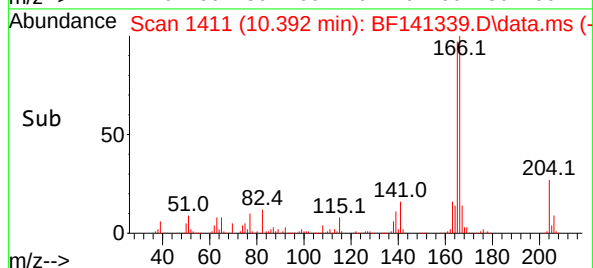
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

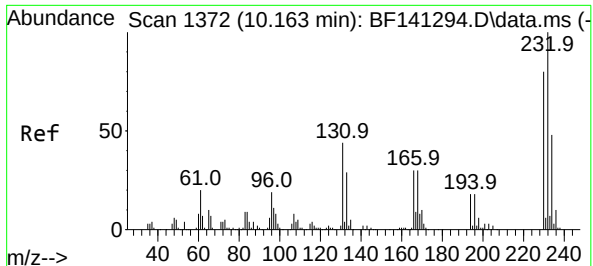


#58
Fluorene
Concen: 41.256 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



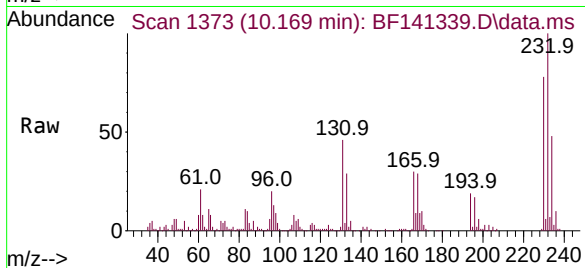
Tgt Ion:166 Resp: 543864
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.276 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

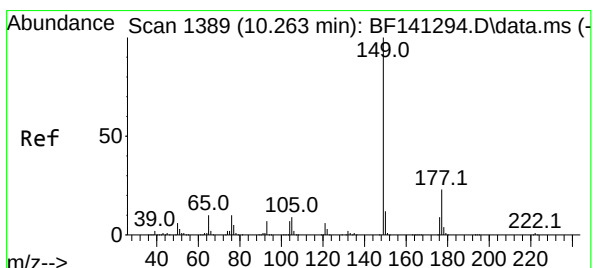
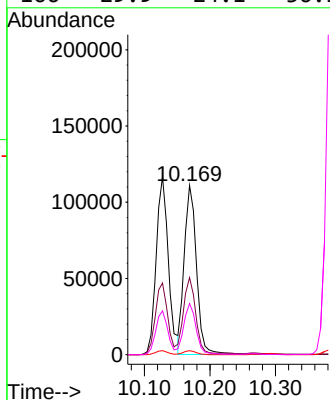
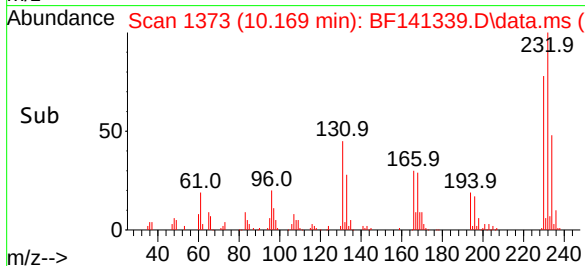
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



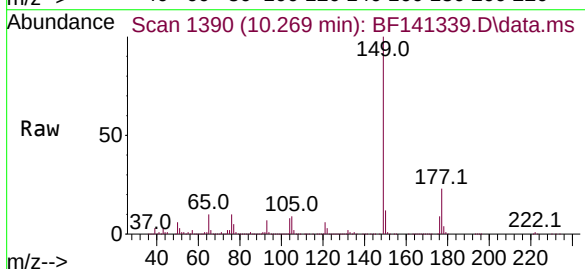
Tgt Ion:232 Resp: 144111
Ion Ratio Lower Upper
232 100
131 44.0 36.4 54.6
130 2.5 1.9 2.9
166 29.9 24.1 36.1

Manual Integrations
APPROVED

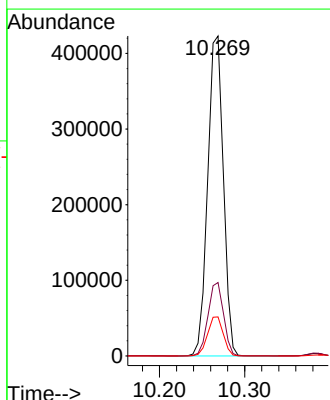
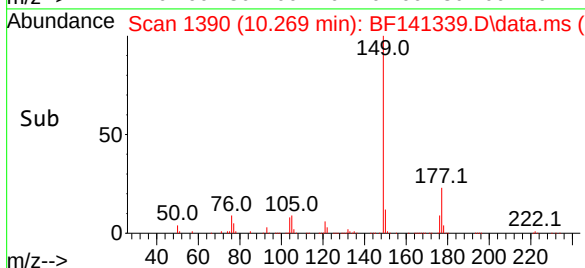
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

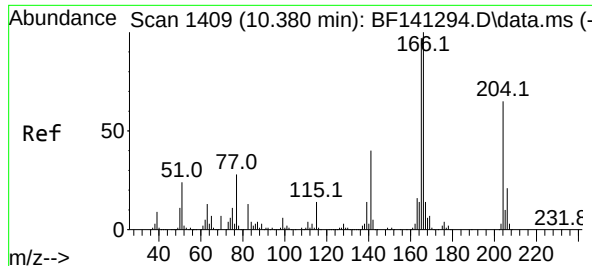


#60
Diethylphthalate
Concen: 39.529 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



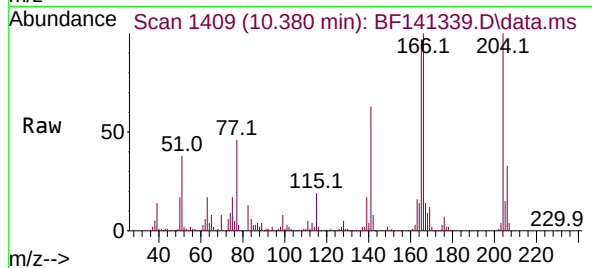
Tgt Ion:149 Resp: 540663
Ion Ratio Lower Upper
149 100
177 23.0 18.5 27.7
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.397 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

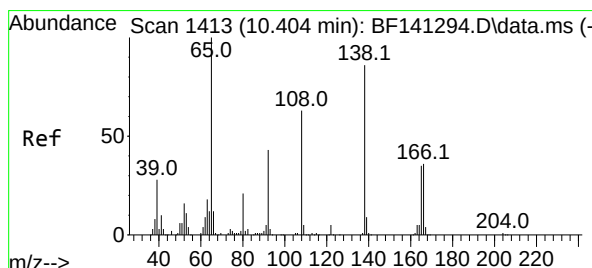
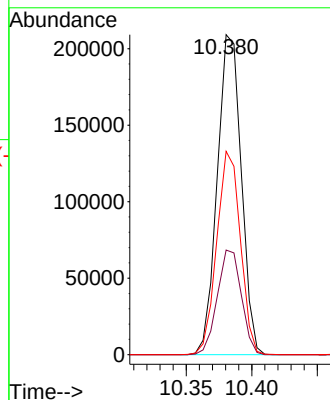
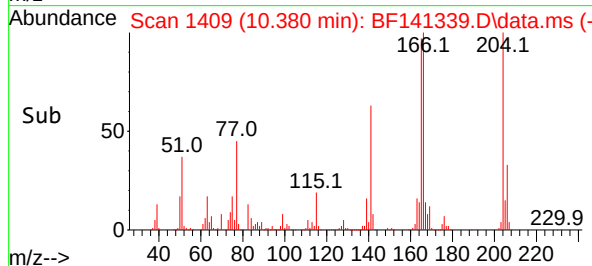
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



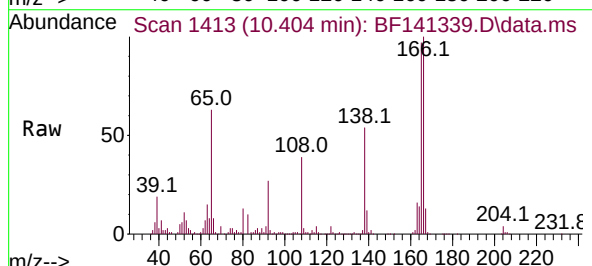
Tgt Ion:204 Resp: 26656
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.6 49.5 74.3

Manual Integrations
APPROVED

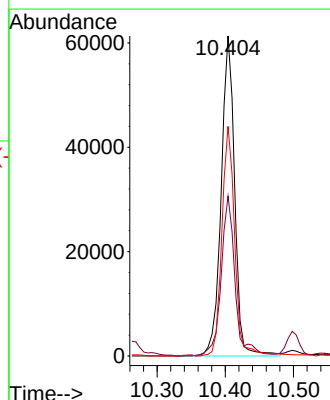
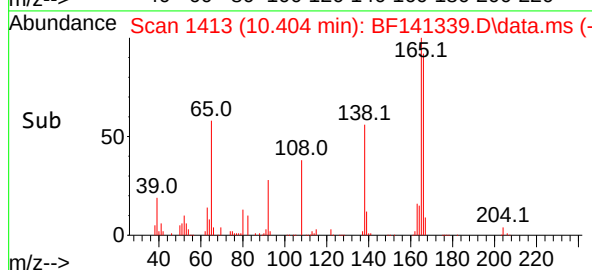
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

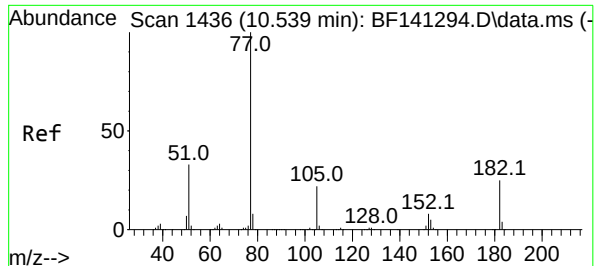


#62
4-Nitroaniline
Concen: 26.819 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



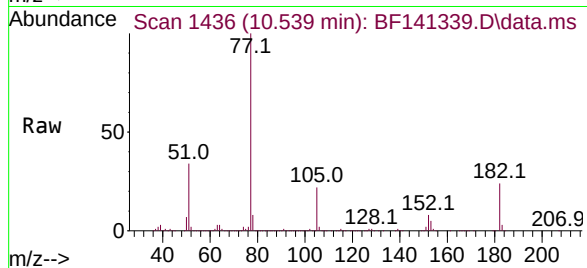
Tgt Ion:138 Resp: 84643
Ion Ratio Lower Upper
138 100
92 49.9 30.1 70.1
108 71.8 53.1 93.1





#63
Azobenzene
Concen: 41.085 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

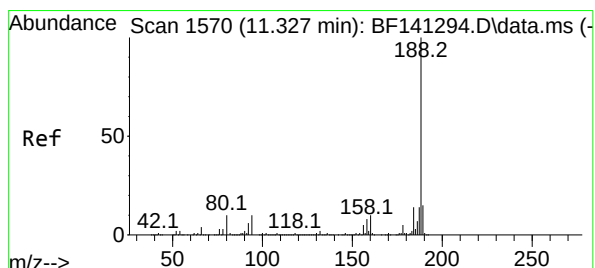
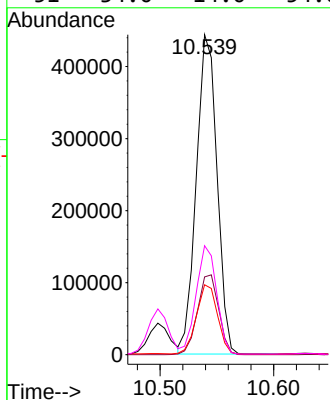
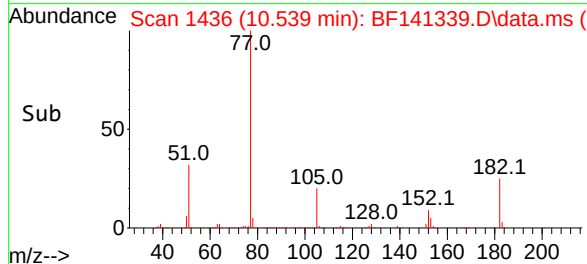
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion: 77 Resp: 56249
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.8 1.8 41.8
51 34.0 14.0 54.0

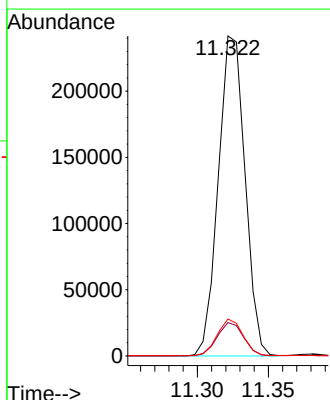
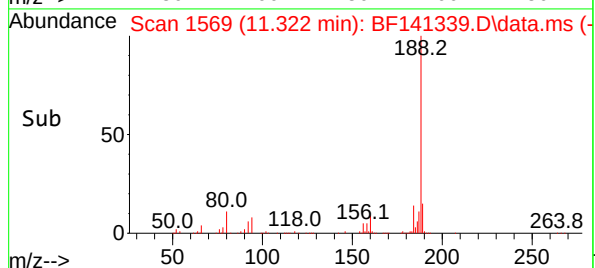
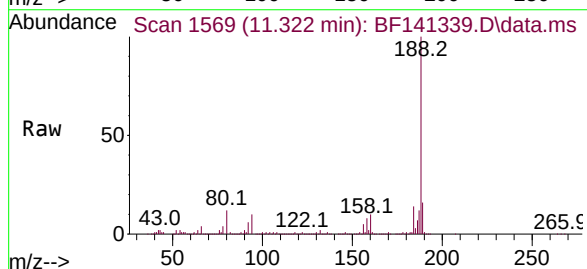
Manual Integrations
APPROVED

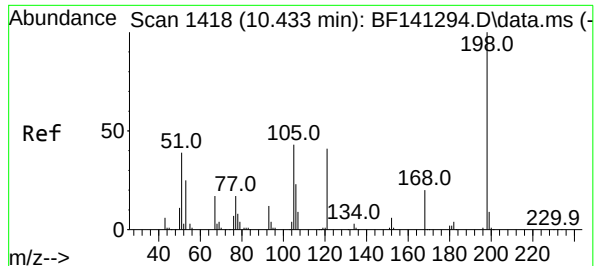
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:188 Resp: 316494
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 11.5 8.2 12.4





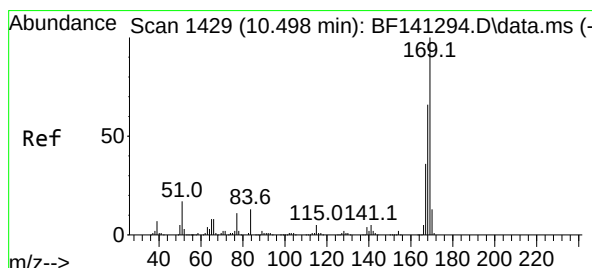
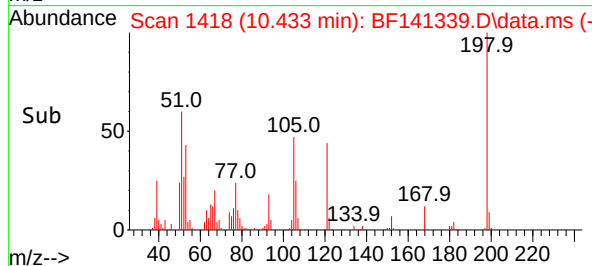
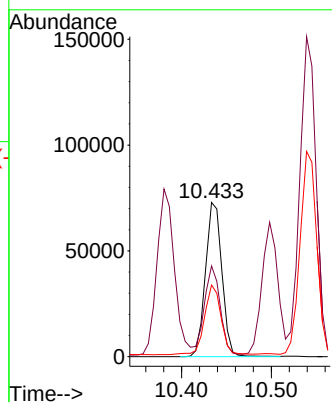
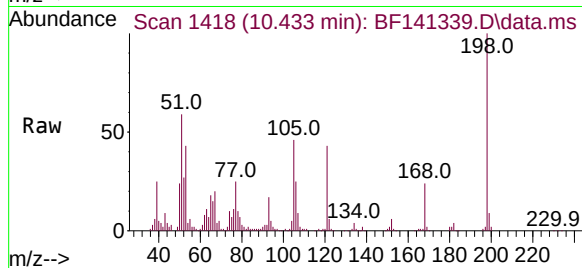
#65
4,6-Dinitro-2-methylphenol
Concen: 49.633 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:198 Resp: 92910
Ion Ratio Lower Upper
198 100
51 58.8 33.4 73.4
105 46.4 24.4 64.4

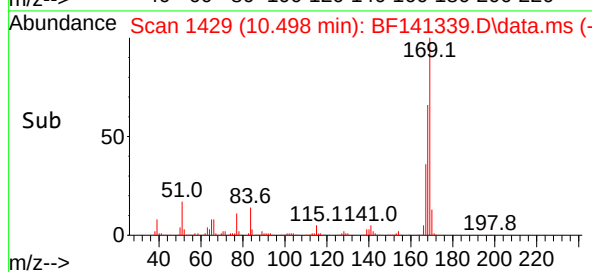
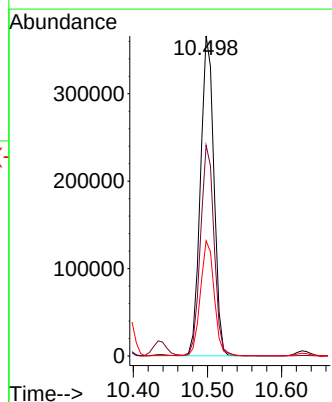
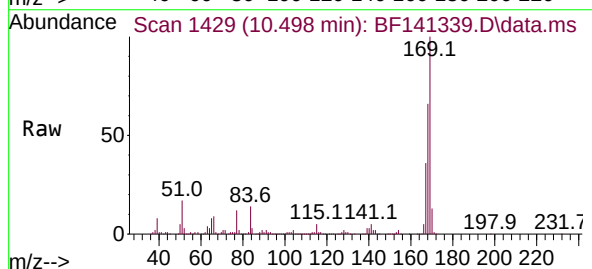
Manual Integrations
APPROVED

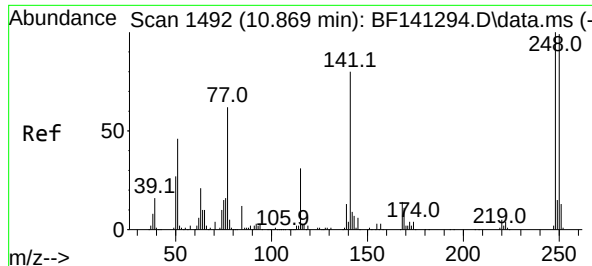
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 45.111 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

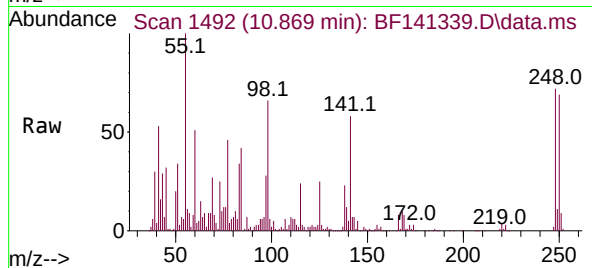
Tgt Ion:169 Resp: 461781
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 36.0 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 42.495 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

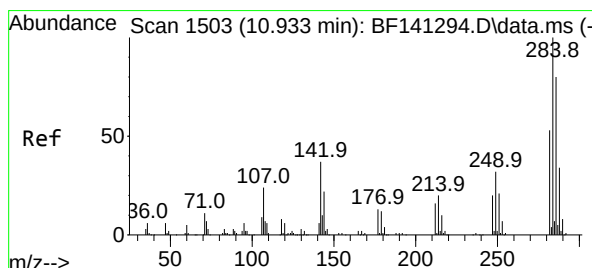
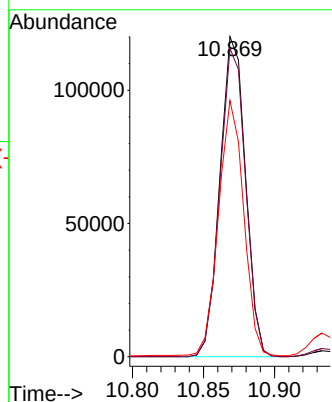
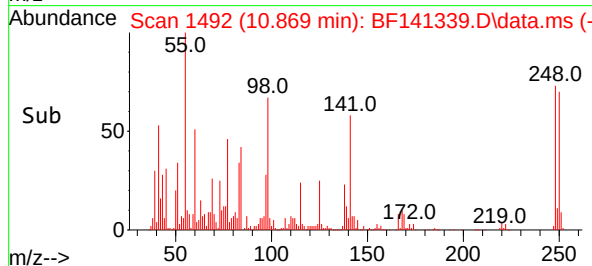
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



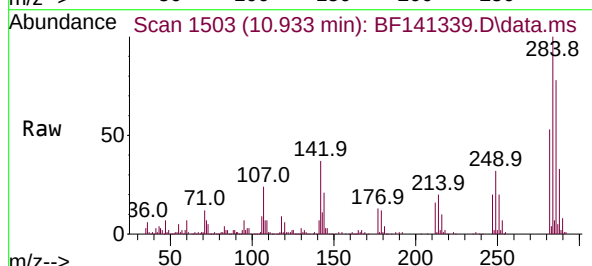
Tgt Ion:248 Resp: 15057
Ion Ratio Lower Upper
248 100
250 96.4 79.0 118.4
141 80.1 63.7 95.5

Manual Integrations
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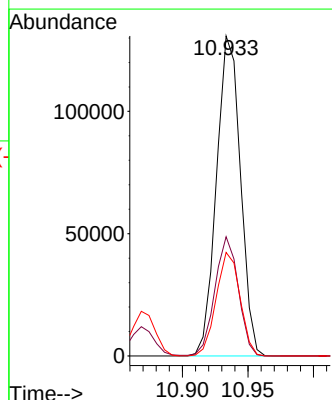
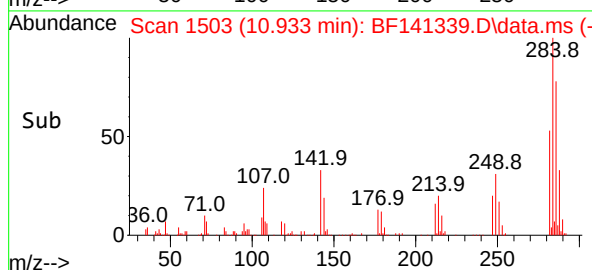
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

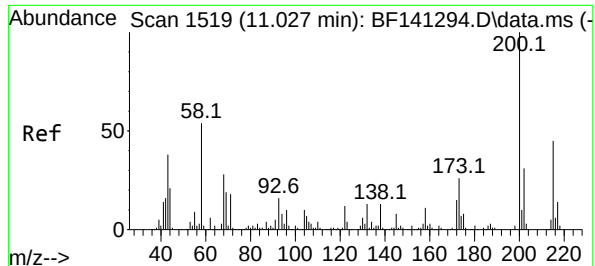


#68
Hexachlorobenzene
Concen: 44.161 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:284 Resp: 165980
Ion Ratio Lower Upper
284 100
142 37.2 29.5 44.3
249 32.3 25.4 38.2





#69

Atrazine

Concen: 35.433 ng

RT: 11.033 min Scan# 1519

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:200 Resp: 12127

Ion Ratio Lower Upper

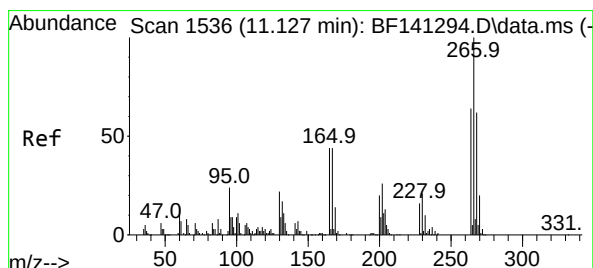
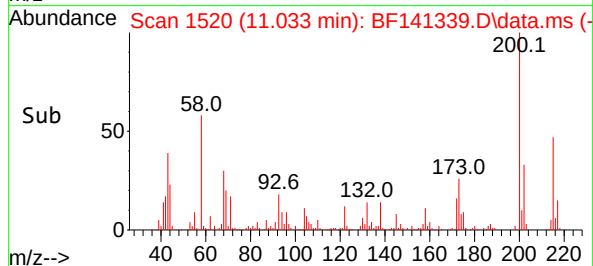
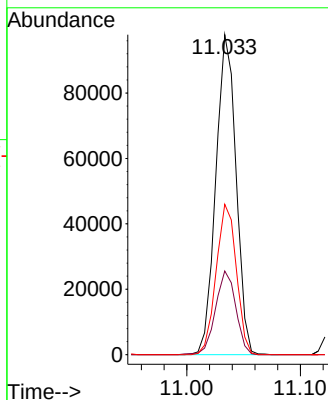
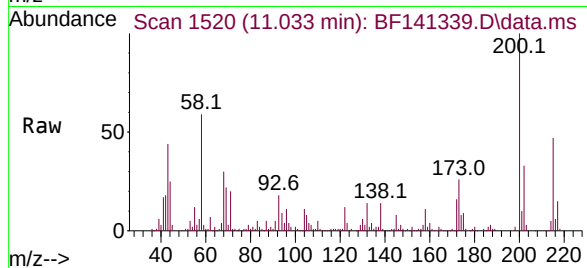
200 100

173 26.1 5.9 45.9

215 47.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 98.106 ng

RT: 11.139 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

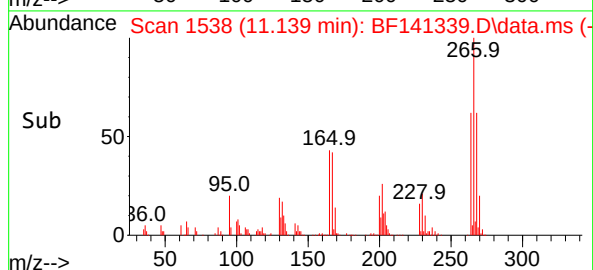
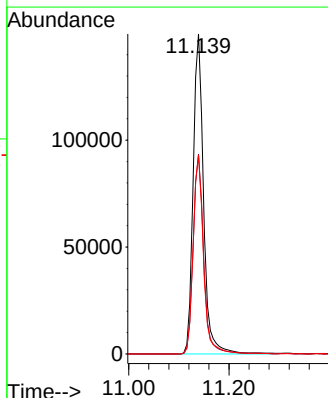
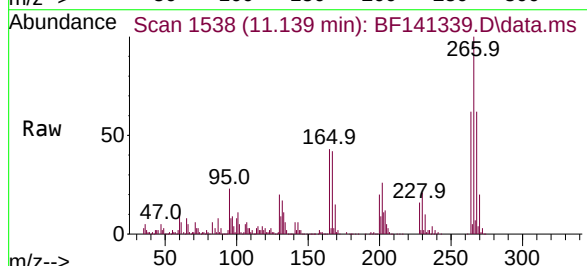
Tgt Ion:266 Resp: 215923

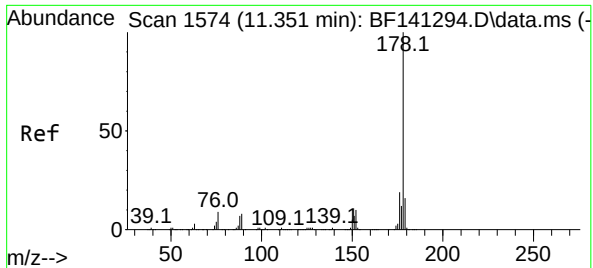
Ion Ratio Lower Upper

266 100

268 62.5 49.9 74.9

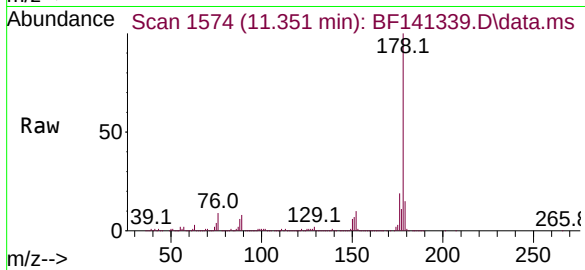
264 62.2 51.0 76.4





#71
Phenanthrene
Concen: 43.844 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

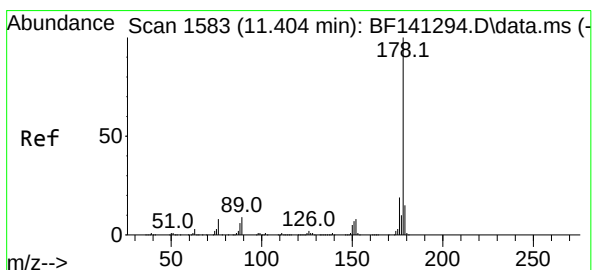
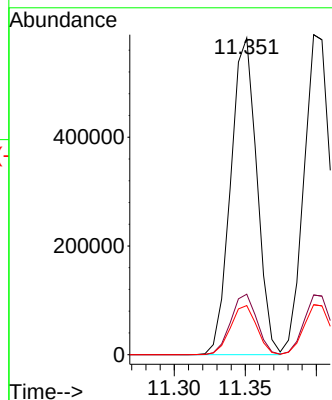
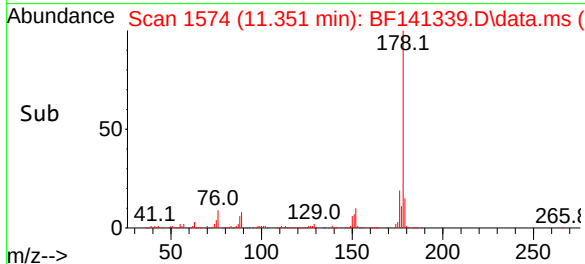
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:178 Resp: 745904
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7

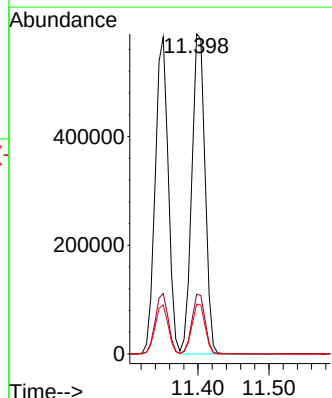
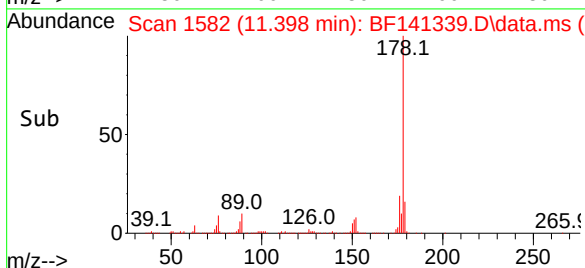
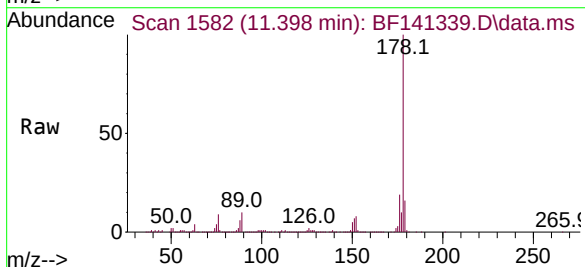
Manual Integrations
APPROVED

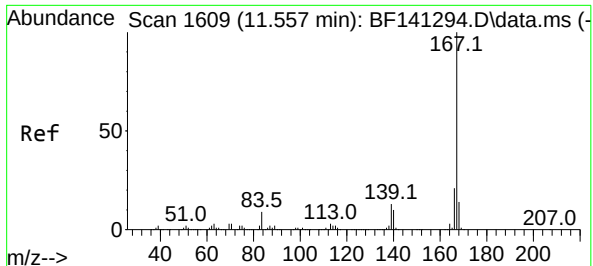
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 45.737 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

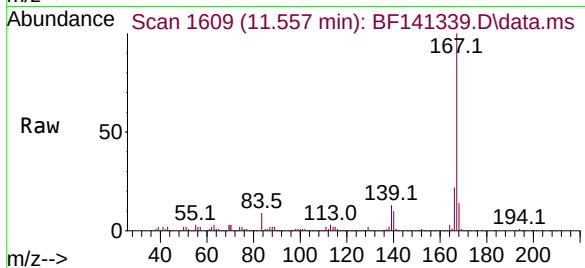
Tgt Ion:178 Resp: 762409
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 42.989 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

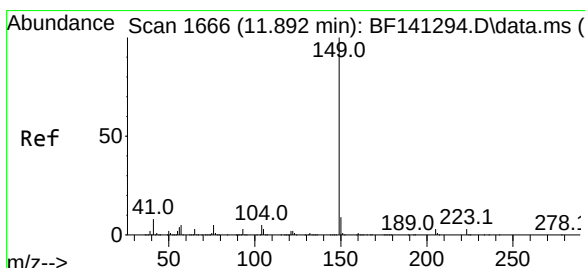
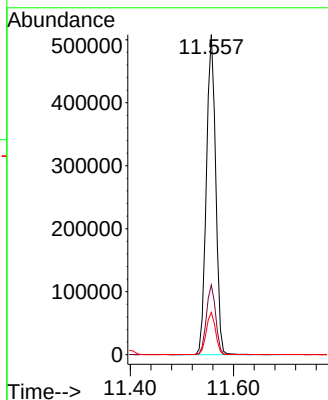
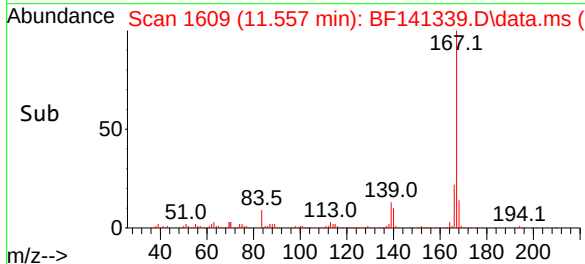
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:167 Resp: 635428
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.2 10.6 16.0

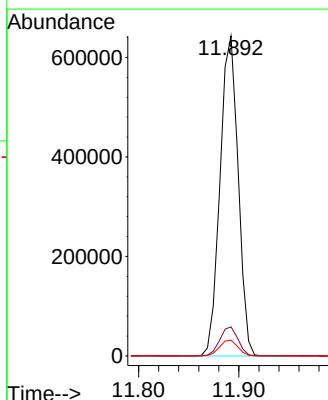
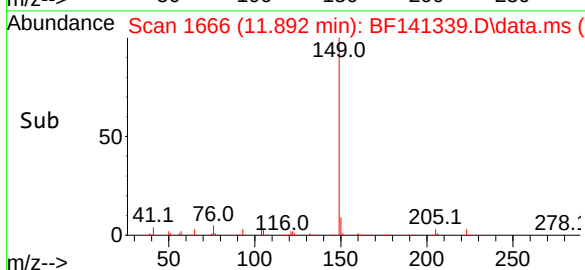
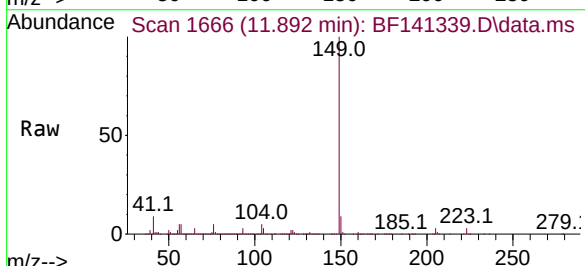
Manual Integrations
APPROVED

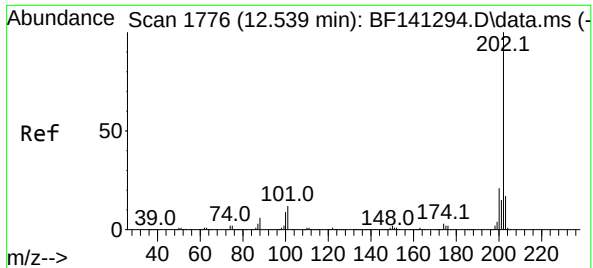
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 45.026 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

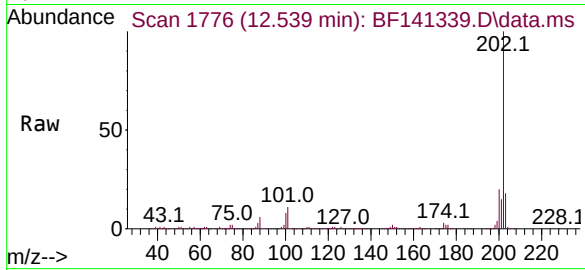
Tgt Ion:149 Resp: 806567
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 46.086 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

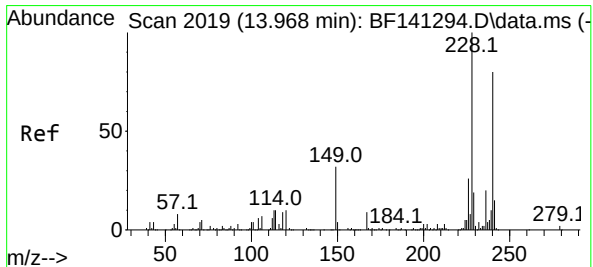
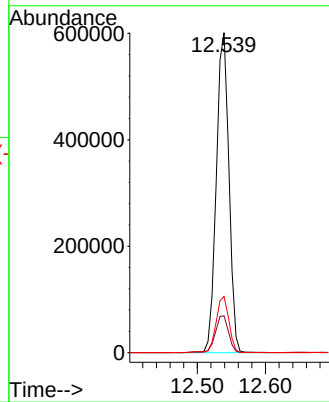
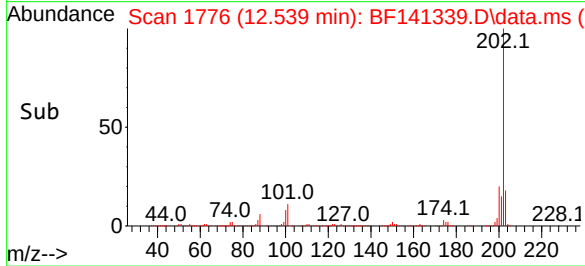
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



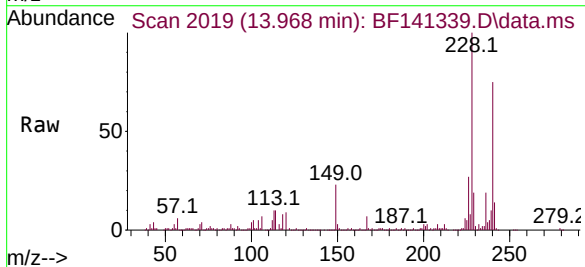
Tgt Ion:202 Resp: 77417
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.6 0.0 37.5

Manual Integrations
APPROVED

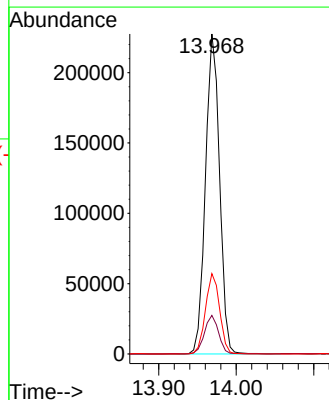
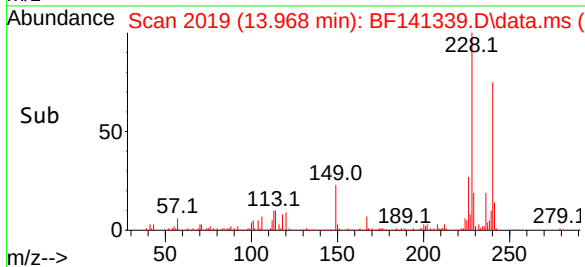
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

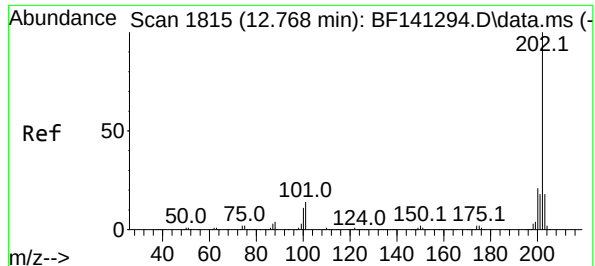


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:240 Resp: 287072
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.1 19.7 29.5





#78

Pyrene

Concen: 29.264 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

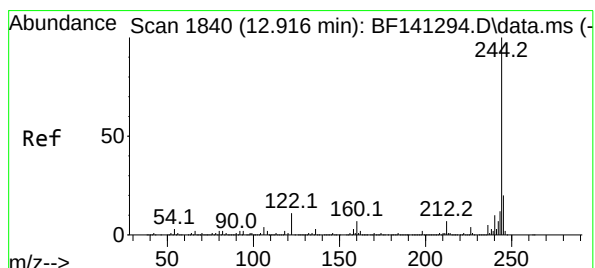
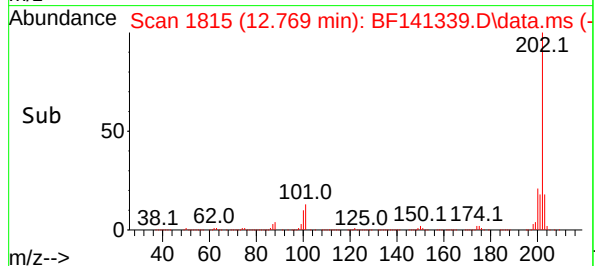
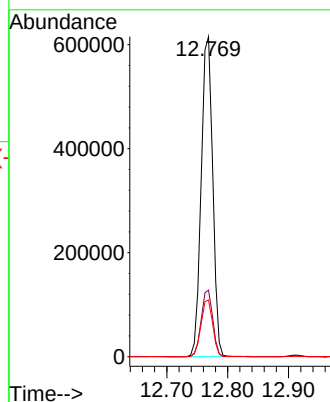
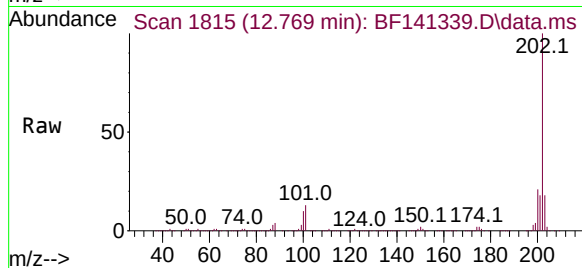
ClientSampleId :

BELL-25-002MS

Tgt Ion:	202	Resp:	80641
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.0	25.4
203	17.7	14.3	21.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#79

Terphenyl-d14

Concen: 63.332 ng

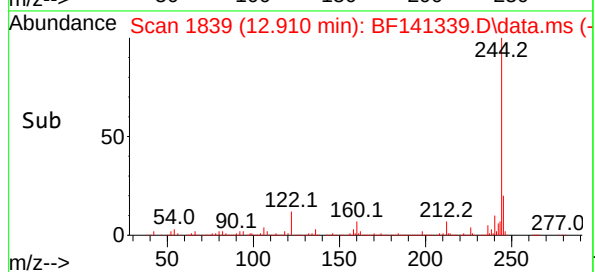
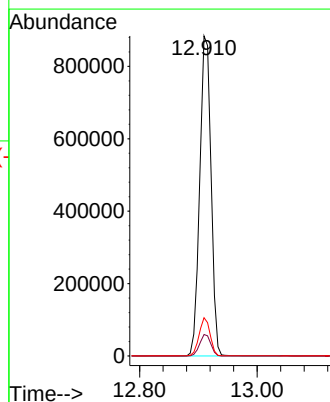
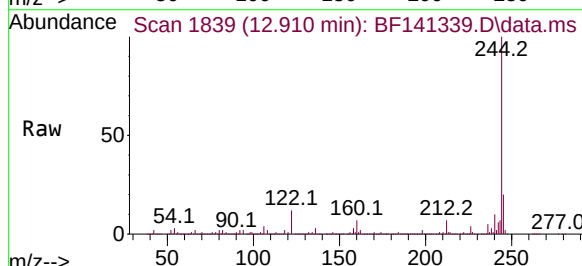
RT: 12.910 min Scan# 1839

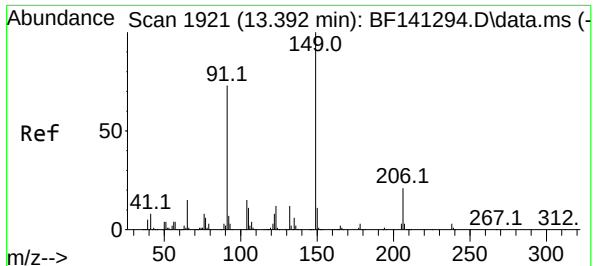
Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

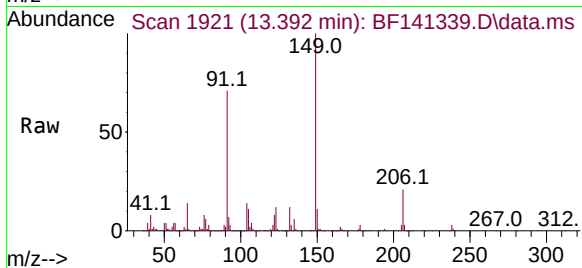
Tgt Ion:	244	Resp:	1178895
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.9	8.8	13.2





#80
Butylbenzylphthalate
Concen: 37.525 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

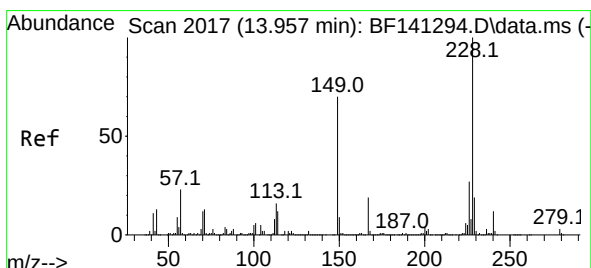
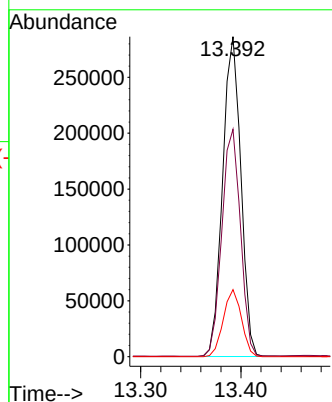
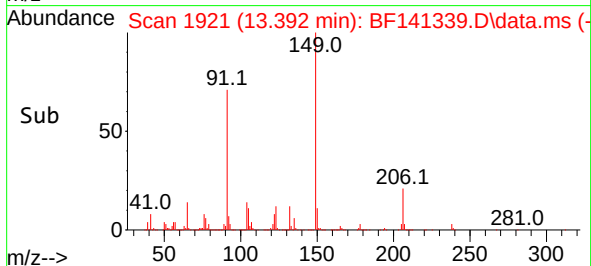
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:149 Resp: 361248
Ion Ratio Lower Upper
149 100
91 71.1 58.6 87.8
206 20.9 16.7 25.1

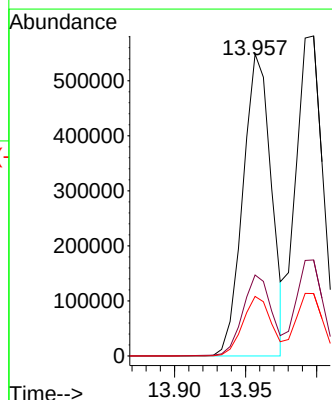
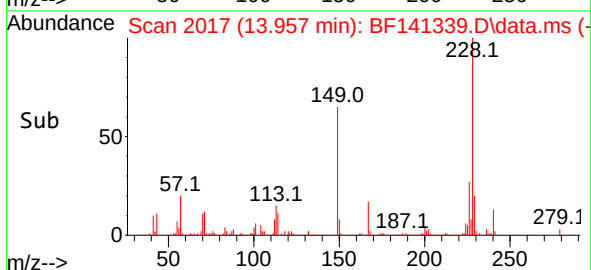
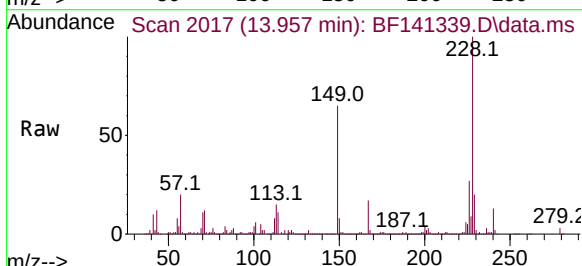
Manual Integrations
APPROVED

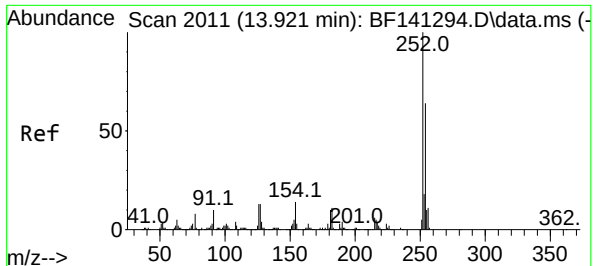
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#81
Benzo(a)anthracene
Concen: 38.521 ng
RT: 13.957 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

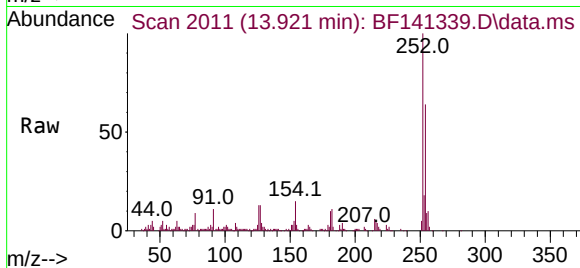
Tgt Ion:228 Resp: 763079
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.7 15.5 23.3





#82
3,3'-Dichlorobenzidine
Concen: 14.589 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

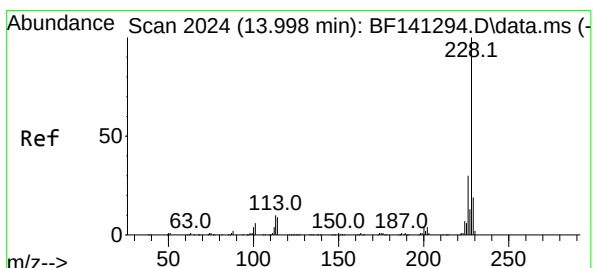
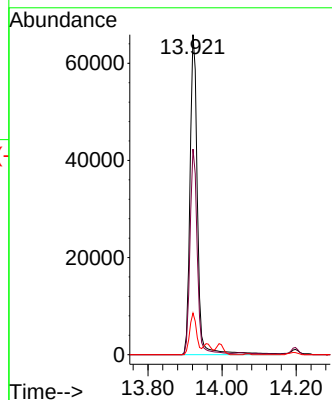
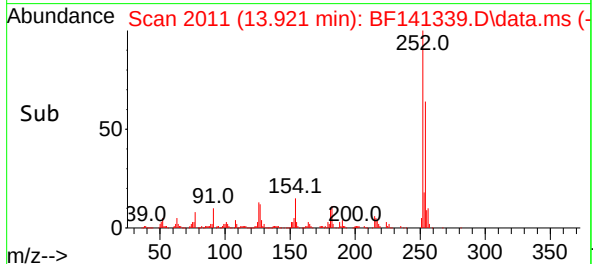
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:252 Resp: 91920
Ion Ratio Lower Upper
252 100
254 64.2 51.3 76.9
126 13.0 10.0 15.0

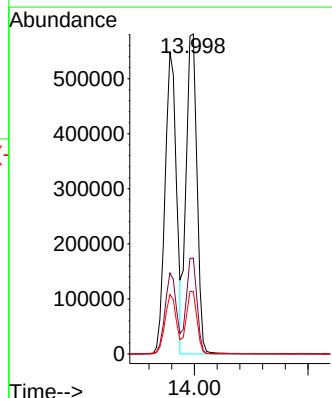
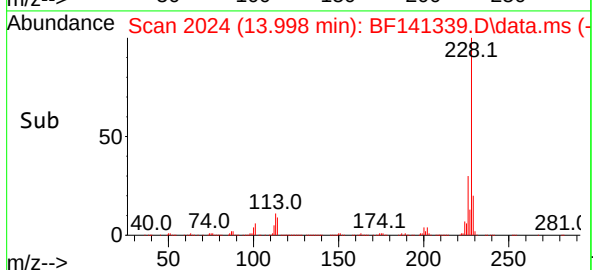
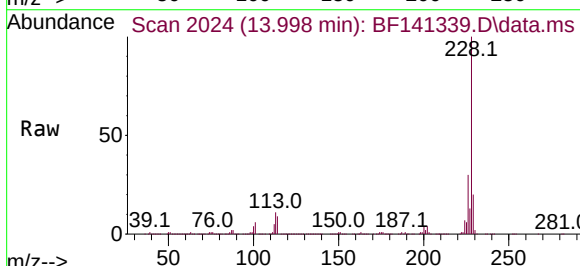
Manual Integrations
APPROVED

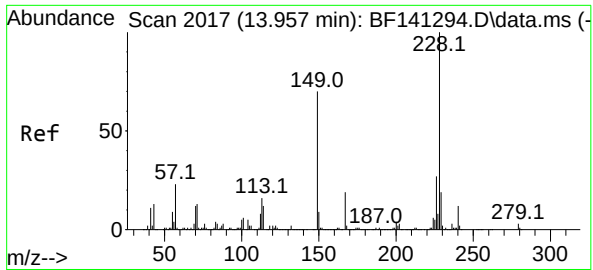
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#83
Chrysene
Concen: 42.385 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

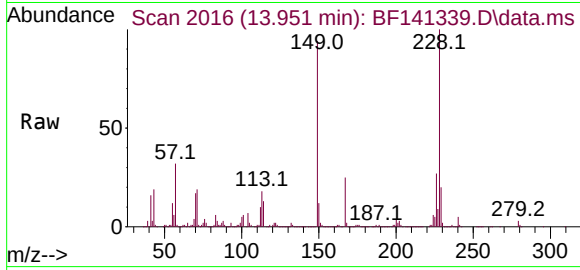
Tgt Ion:228 Resp: 769489
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.5 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 40.451 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

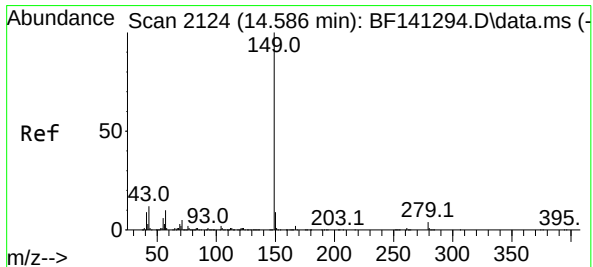
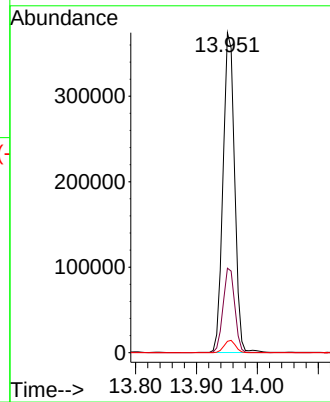
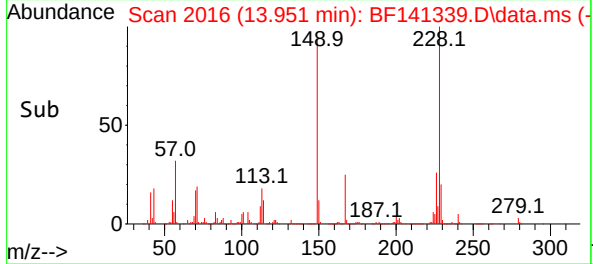
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:149 Resp: 493990
Ion Ratio Lower Upper
149 100
167 26.4 21.8 32.8
279 3.6 3.3 4.9

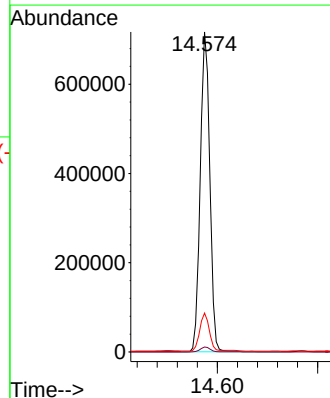
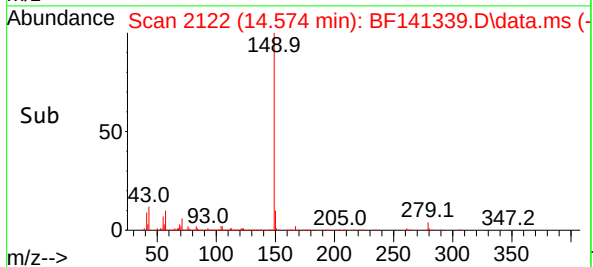
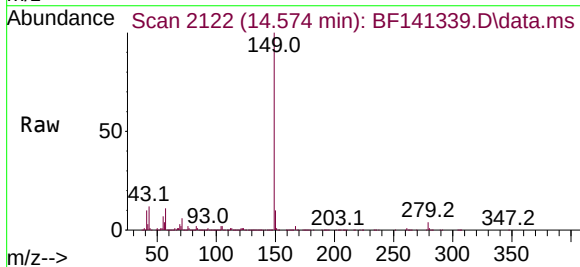
Manual Integrations
APPROVED

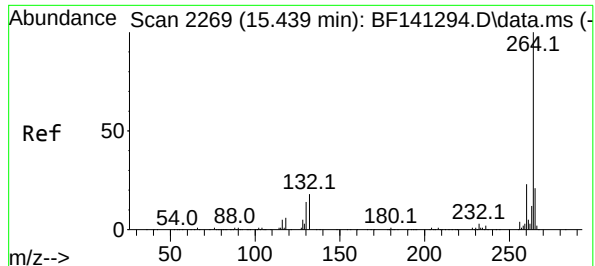
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#85
Di-n-octyl phthalate
Concen: 49.652 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:149 Resp: 941792
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:264 Resp: 32353

Ion Ratio Lower Upper

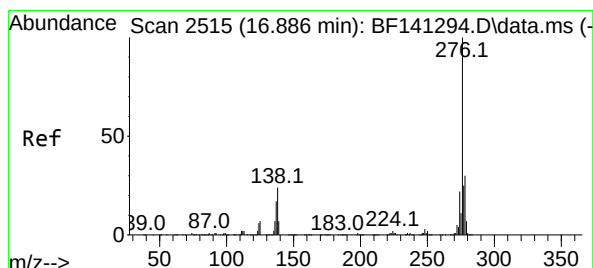
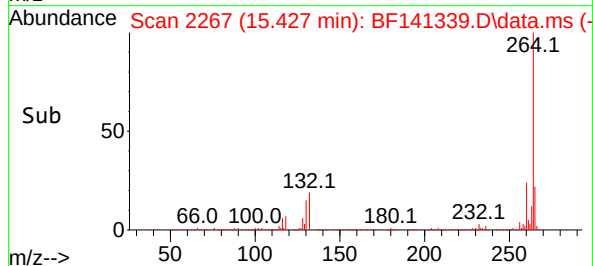
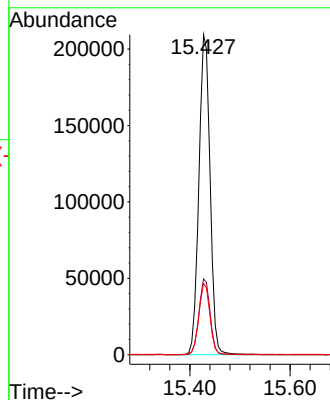
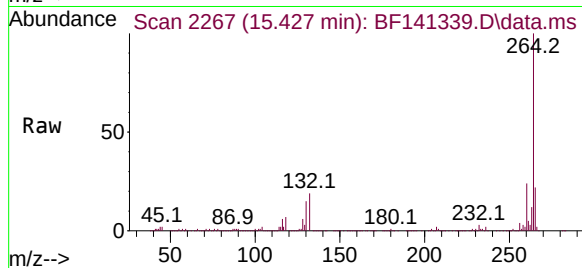
264 100

260 23.7 18.6 27.8

265 22.3 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#87

Indeno(1,2,3-cd)pyrene

Concen: 38.671 ng

RT: 16.880 min Scan# 2514

Delta R.T. -0.018 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

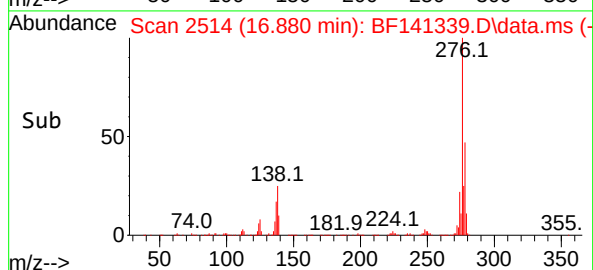
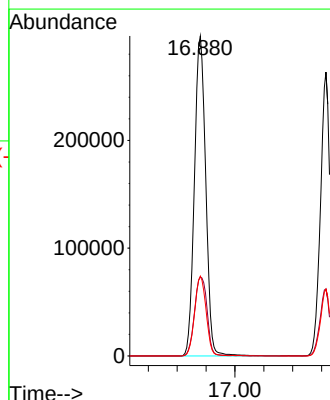
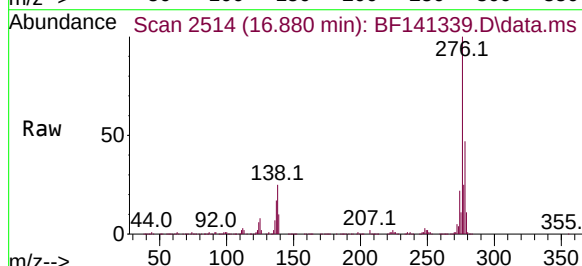
Tgt Ion:276 Resp: 807515

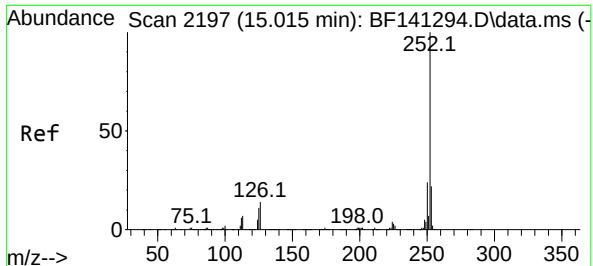
Ion Ratio Lower Upper

276 100

138 27.4 21.7 32.5

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 41.462 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

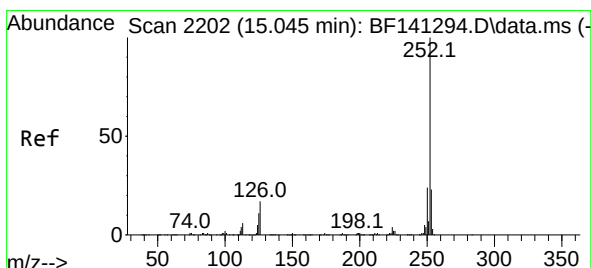
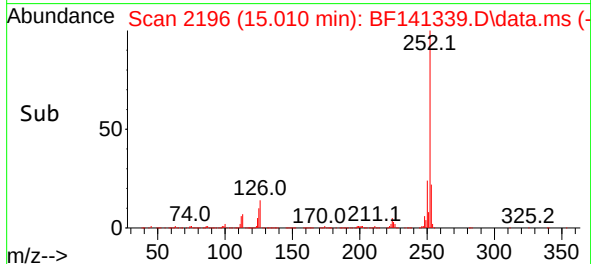
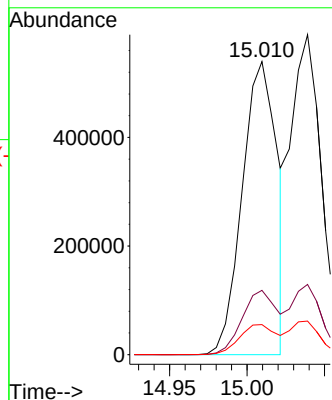
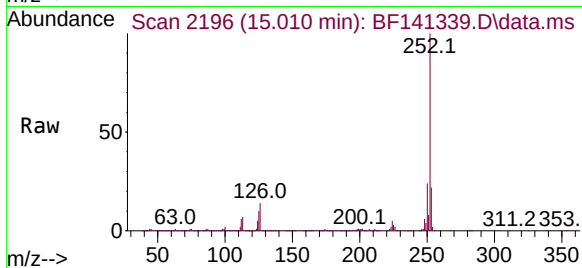
ClientSampleId :

BELL-25-002MS

Tgt Ion:252 Resp: 843784
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.2 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#89

Benzo(k)fluoranthene

Concen: 44.836 ng

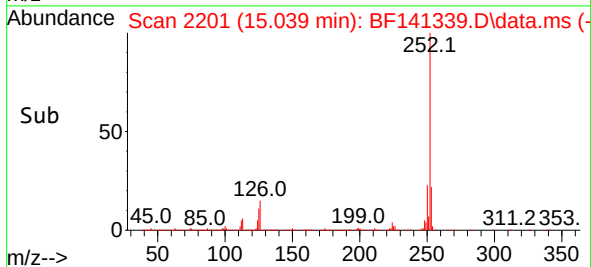
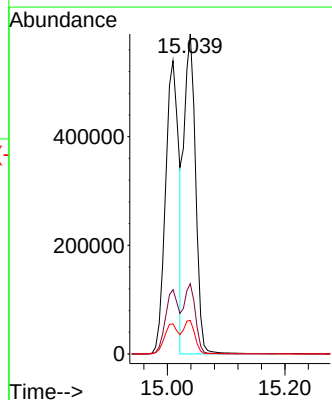
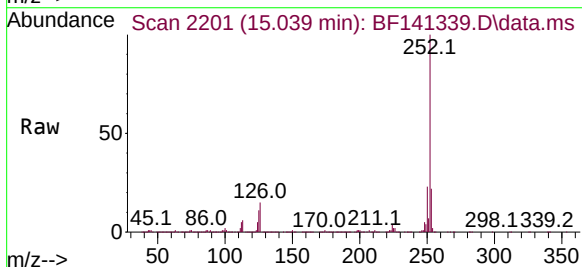
RT: 15.039 min Scan# 2201

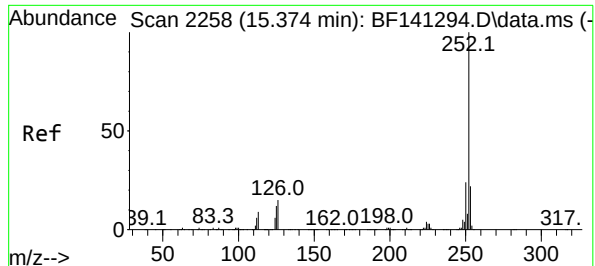
Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Tgt Ion:252 Resp: 808333
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 10.5 8.4 12.6





#90

Benzo(a)pyrene

Concen: 45.122 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

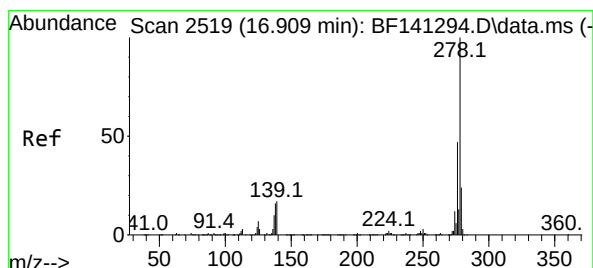
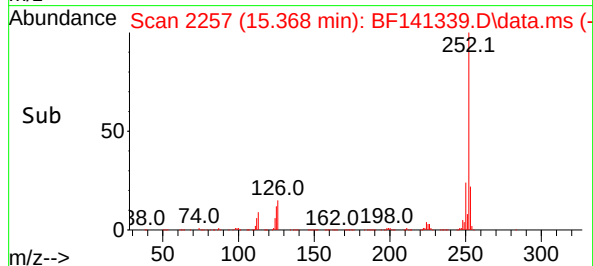
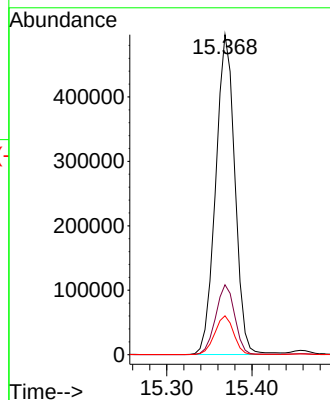
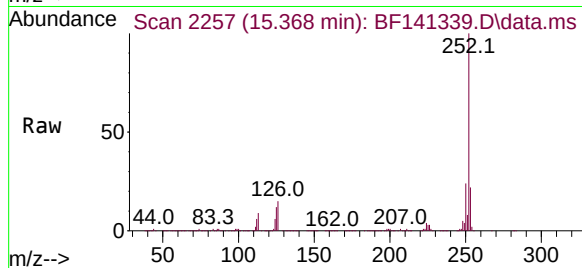
BELL-25-002MS

Tgt Ion:	252	Resp:	77598
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.2	25.8
125	12.1	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#91

Dibenzo(a,h)anthracene

Concen: 39.232 ng

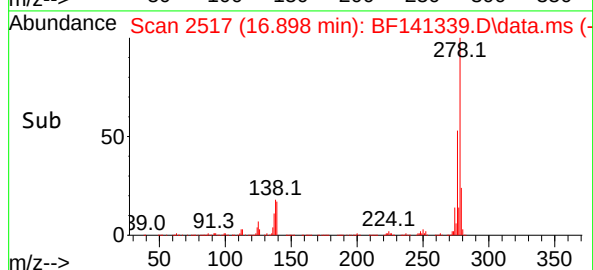
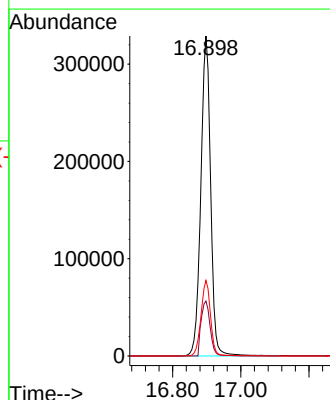
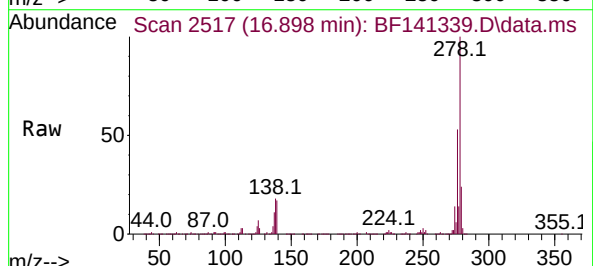
RT: 16.898 min Scan# 2517

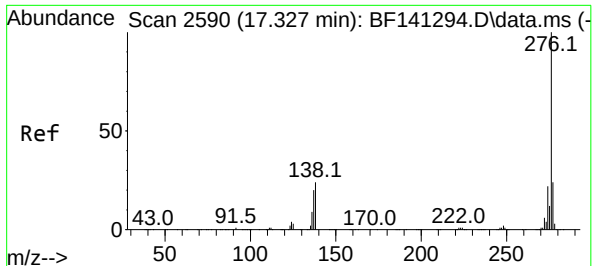
Delta R.T. -0.024 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

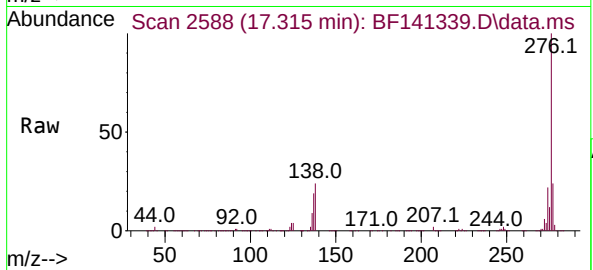
Tgt Ion:	278	Resp:	659105
Ion Ratio	Lower	Upper	
278	100		
139	17.2	13.9	20.9
279	23.6	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 34.502 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

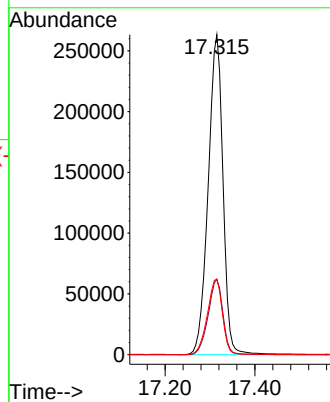
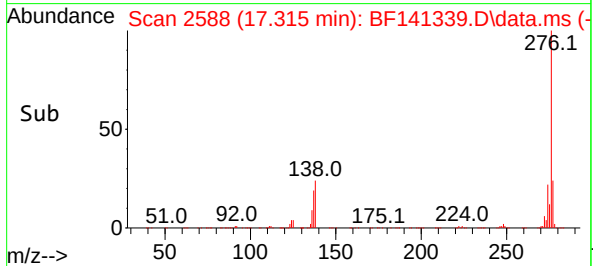
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:276 Resp: 60269
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 23.6 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MSD	SDG No.:	Q1216
Lab Sample ID:	Q1218-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141340.D	1	01/31/25 10:29	01/31/25 19:11	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	220		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	100	ug/L
67-72-1	Hexachloroethane	380		10.1	50.0	ug/L
98-95-3	Nitrobenzene	460		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	320		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	450		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	440		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	380		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	940	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		10 - 139	83%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.4		49 - 133	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.7		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		48 - 125	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000		6.804		
1146-65-2	Naphthalene-d8	521000		8.086		
15067-26-2	Acenaphthene-d10	271000		9.845		
1517-22-2	Phenanthrene-d10	396000		11.327		
1719-03-5	Chrysene-d12	280000		13.968		
1520-96-3	Perylene-d12	313000		15.421		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MSD	SDG No.:	Q1216
Lab Sample ID:	Q1218-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141340.D	1	01/31/25 10:29	01/31/25 19:11	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF013125\
 Data File : BF141340.D
 Acq On : 31 Jan 2025 19:11
 Operator : RC/JU
 Sample : Q1218-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:52 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	142670	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	521314	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	271292	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	395783	20.000	ng	0.00
76) Chrysene-d12	13.968	240	279691	20.000	ng	0.00
86) Perylene-d12	15.421	264	312761	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1150056	123.752	ng	0.02
7) Phenol-d6	6.445	99	1390165	117.589	ng	0.00
23) Nitrobenzene-d5	7.369	82	884339	89.426	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	297928	119.788	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1509903	85.665	ng	0.00
79) Terphenyl-d14	12.910	244	1237686	68.245	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.751	88	153231m	37.491	ng	Qvalue
3) Pyridine	3.451	79	219631	22.303	ng	100
4) n-Nitrosodimethylamine	3.363	42	217752	38.708	ng	98
6) Aniline	6.475	93	182356	18.222	ng	# 30
8) 2-Chlorophenol	6.592	128	416608	41.825	ng	97
9) Benzaldehyde	6.351	77	159468	23.287	ng	98
10) Phenol	6.463	94	482481	38.500	ng	91
11) bis(2-Chloroethyl)ether	6.539	93	414301	43.116	ng	97
12) 1,3-Dichlorobenzene	6.739	146	394998	35.965	ng	100
13) 1,4-Dichlorobenzene	6.822	146	401367	36.378	ng	99
14) 1,2-Dichlorobenzene	6.969	146	375771	36.372	ng	99
15) Benzyl Alcohol	6.957	79	350399	43.371	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	665073	39.803	ng	70
17) 2-Methylphenol	7.063	107	325000	40.146	ng	96
18) Hexachloroethane	7.316	117	155805	38.279	ng	96
19) n-Nitroso-di-n-propyla...	7.222	70	282862	40.266	ng	97
20) 3+4-Methylphenols	7.216	107	397542	39.995	ng	# 89
22) Acetophenone	7.210	105	593012	47.856	ng	# 97
24) Nitrobenzene	7.386	77	469271	45.791	ng	99
25) Isophorone	7.628	82	693973	40.597	ng	99
26) 2-Nitrophenol	7.698	139	181160	37.483	ng	93
27) 2,4-Dimethylphenol	7.745	122	275977m	44.861	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	354422	32.505	ng	98
29) 2,4-Dichlorophenol	7.945	162	216861	28.795	ng	94
30) 1,2,4-Trichlorobenzene	8.022	180	334708	38.916	ng	99
31) Naphthalene	8.104	128	1055072	38.311	ng	100
32) Benzoic acid	8.439	122	23221760m	4106.266	ng	
33) 4-Chloroaniline	8.175	127	57726	6.181	ng	# 14
34) Hexachlorobutadiene	8.222	225	163478	32.412	ng	99
35) Caprolactam	8.728	113	100725	40.952	ng	99
36) 4-Chloro-3-methylphenol	8.651	107	349171	43.224	ng	97
37) 2-Methylnaphthalene	8.798	142	714422	40.815	ng	99
38) 1-Methylnaphthalene	8.898	142	697402	40.561	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	368448	47.739	ng	98
41) Hexachlorocyclopentadiene	8.951	237	423151	185.647	ng	99
43) 2,4,6-Trichlorophenol	9.086	196	227525	45.039	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141340.D
 Acq On : 31 Jan 2025 19:11
 Operator : RC/JU
 Sample : Q1218-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	240917	43.818	ng	98
46) 1,1'-Biphenyl	9.263	154	1007225	47.606	ng	99
47) 2-Chloronaphthalene	9.286	162	680086	41.240	ng	99
48) 2-Nitroaniline	9.392	65	186519	35.958	ng	99
49) Acenaphthylene	9.704	152	916431	39.699	ng	100
50) Dimethylphthalate	9.580	163	808935	44.149	ng	99
51) 2,6-Dinitrotoluene	9.639	165	167958	39.479	ng	92
52) Acenaphthene	9.875	154	753252m	45.675	ng	
53) 3-Nitroaniline	9.816	138	58071	13.927	ng	98
54) 2,4-Dinitrophenol	9.922	184	211534	106.961	ng	98
55) Dibenzofuran	10.051	168	892050	40.410	ng	99
56) 4-Nitrophenol	9.992	139	222214	72.869	ng	97
57) 2,4-Dinitrotoluene	10.039	165	211301	38.361	ng	# 88
58) Fluorene	10.392	166	696694	40.687	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	189214	43.744	ng	98
60) Diethylphthalate	10.275	149	718228	40.427	ng	100
61) 4-Chlorophenyl-phenyle...	10.386	204	341406	40.818	ng	99
62) 4-Nitroaniline	10.410	138	108113	26.373	ng	99
63) Azobenzene	10.545	77	725174	40.778	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	126669	54.108	ng	98
66) n-Nitrosodiphenylamine	10.504	169	600618	46.919	ng	100
67) 4-Bromophenyl-phenylether	10.874	248	193762	43.730	ng	99
68) Hexachlorobenzene	10.939	284	212929	45.303	ng	99
69) Atrazine	11.039	200	137336	32.088	ng	98
70) Pentachlorophenol	11.139	266	259262	94.198	ng	99
71) Phenanthrene	11.351	178	929973	43.712	ng	100
72) Anthracene	11.404	178	936429	44.922	ng	99
73) Carbazole	11.557	167	722300	39.076	ng	100
74) Di-n-butylphthalate	11.892	149	962080	42.948	ng	100
75) Fluoranthene	12.539	202	837807	39.883	ng	100
78) Pyrene	12.768	202	844011	31.437	ng	99
80) Butylbenzylphthalate	13.392	149	356371	37.995	ng	98
81) Benzo(a)anthracene	13.957	228	756912	39.218	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	92382	15.050	ng	99
83) Chrysene	13.992	228	744577	42.095	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	484536	40.723	ng	99
85) Di-n-octyl phthalate	14.568	149	908345	49.152	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	772651	38.276	ng	100
88) Benzo(b)fluoranthene	15.004	252	920585	46.793	ng	99
89) Benzo(k)fluoranthene	15.033	252	694577	39.853	ng	100
90) Benzo(a)pyrene	15.362	252	753917	45.348	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	627391	38.631	ng	100
92) Benzo(g,h,i)perylene	17.309	276	573319	33.950	ng	99

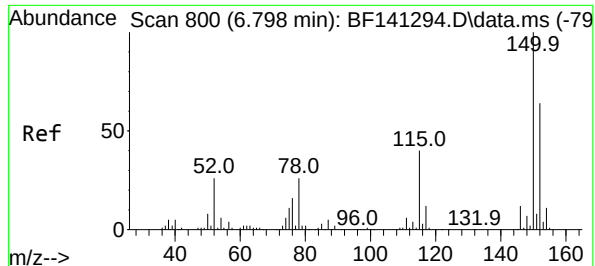
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Manual Integrations APPROVED

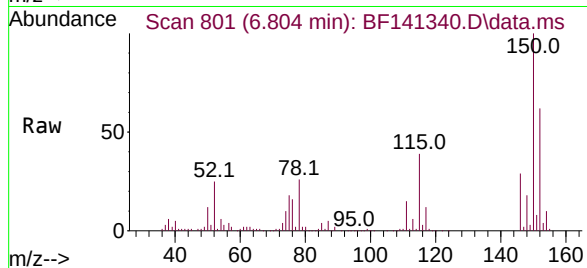
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

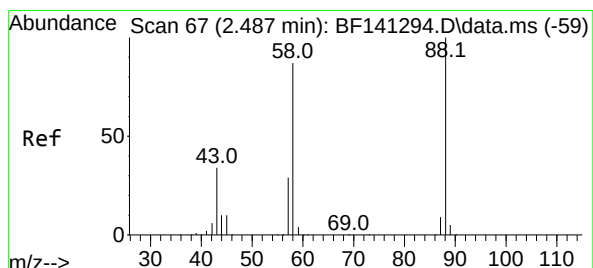
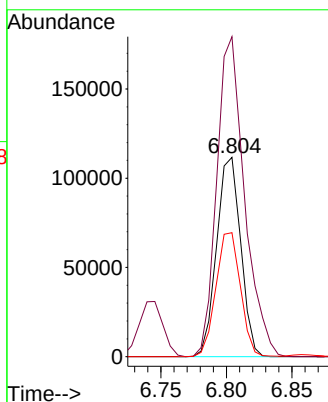
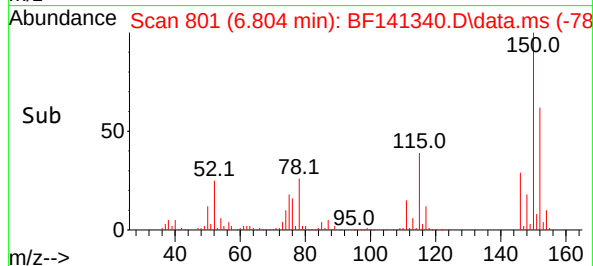
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:152 Resp: 142670
Ion Ratio Lower Upper
152 100
150 160.6 125.9 188.9
115 62.2 49.7 74.5

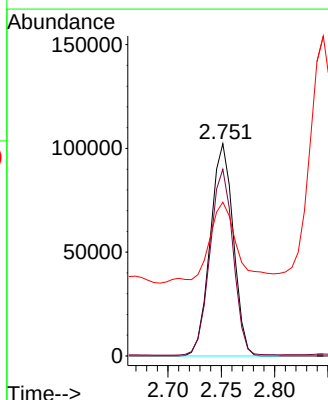
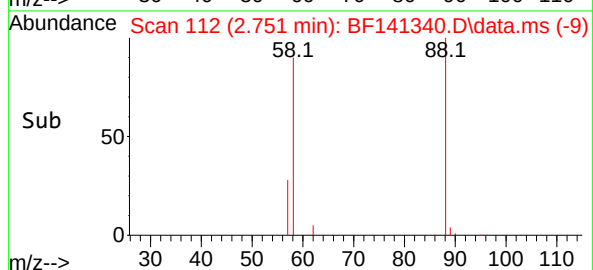
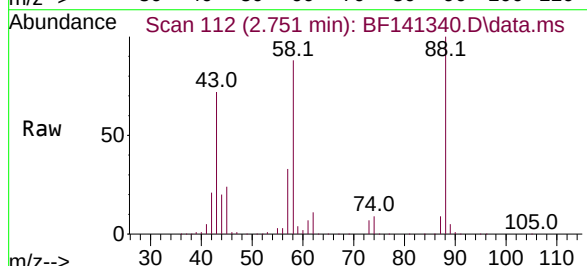
Manual Integrations
APPROVED

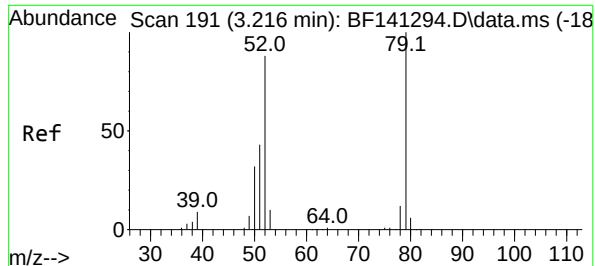
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 37.491 ng m
RT: 2.751 min Scan# 112
Delta R.T. 0.259 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

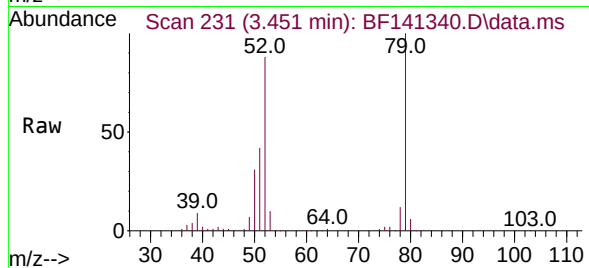
Tgt Ion: 88 Resp: 153231
Ion Ratio Lower Upper
88 100
58 128.1 70.2 105.4#
43 0.0 27.6 41.4#





#3
Pyridine
Concen: 22.303 ng
RT: 3.451 min Scan# 216
Delta R.T. 0.223 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

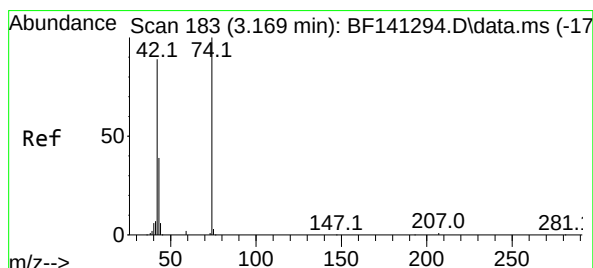
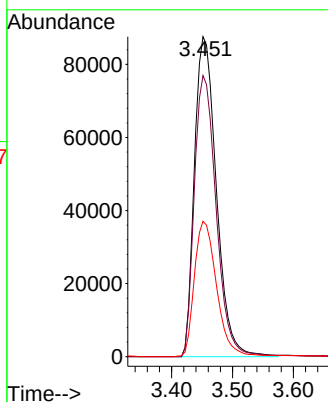
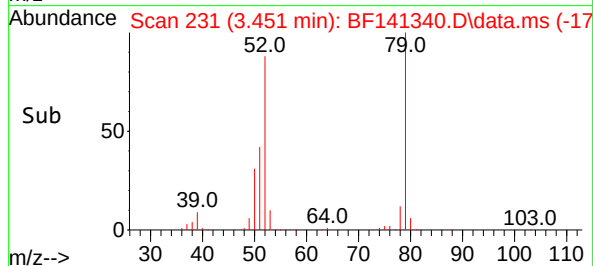
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



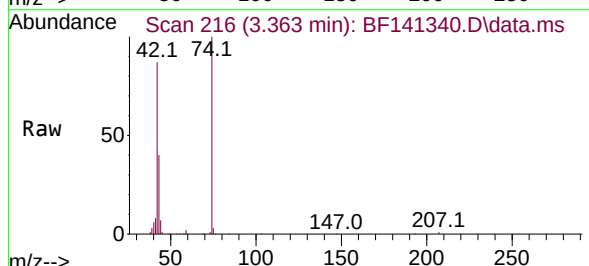
Tgt Ion: 79 Resp: 21963
Ion Ratio Lower Upper
79 100
52 87.9 70.3 105.5
51 42.3 34.3 51.5

Manual Integrations
APPROVED

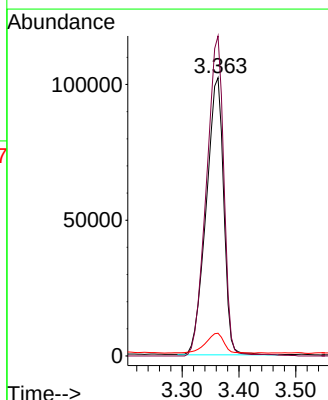
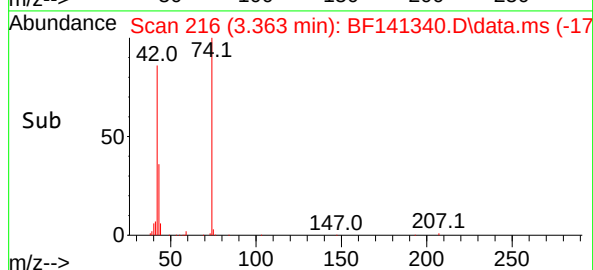
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

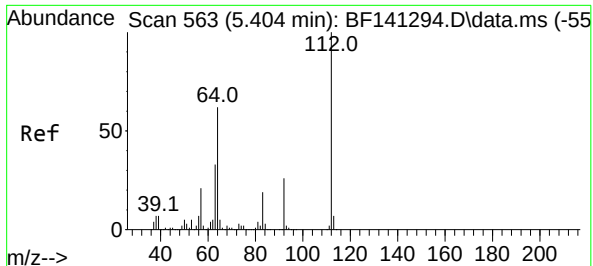


#4
n-Nitrosodimethylamine
Concen: 38.708 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.164 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



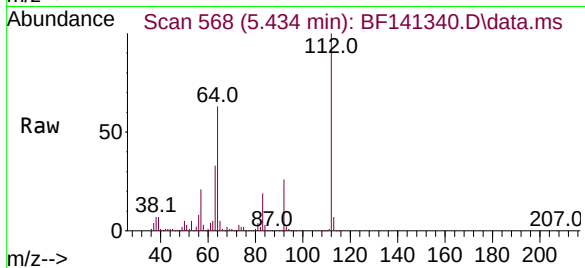
Tgt Ion: 42 Resp: 217752
Ion Ratio Lower Upper
42 100
74 115.0 90.3 135.5
44 8.1 5.7 8.5





#5
2-Fluorophenol
Concen: 123.752 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

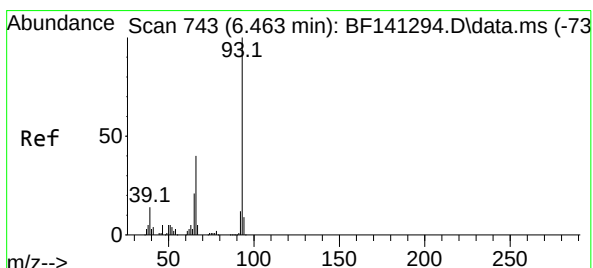
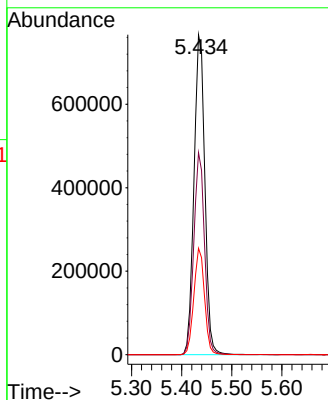
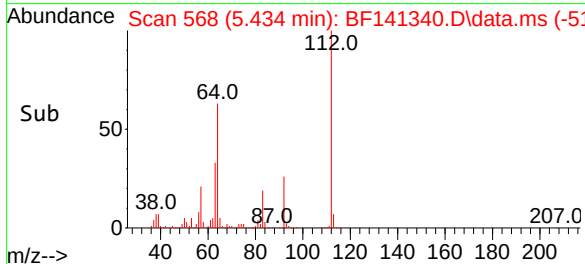
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion: 112 Resp: 1150050
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 33.2 26.1 39.1

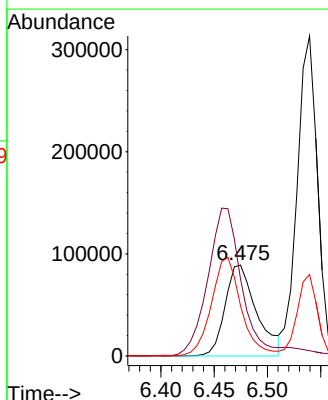
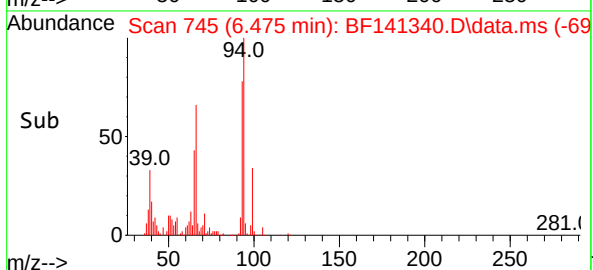
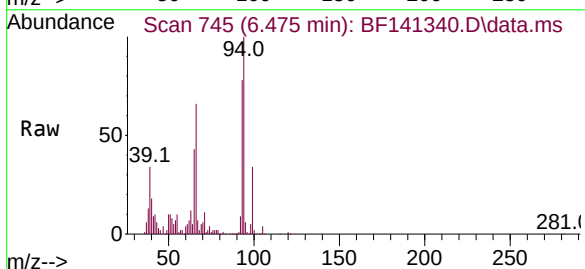
Manual Integrations
APPROVED

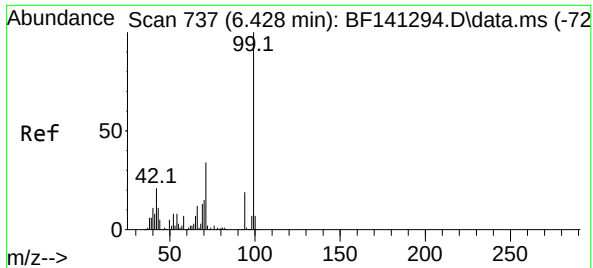
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 18.222 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

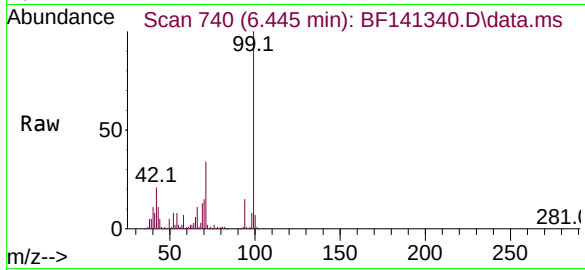
Tgt Ion: 93 Resp: 182356
Ion Ratio Lower Upper
93 100
66 84.1 32.5 48.7#
65 54.9 17.0 25.6#





#7
Phenol-d6
Concen: 117.589 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

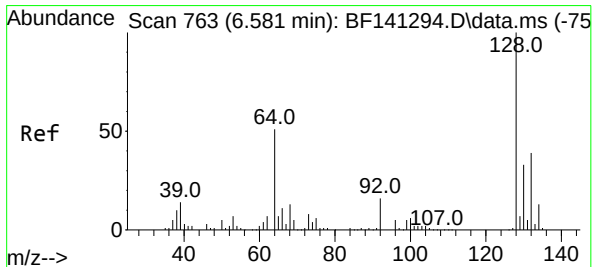
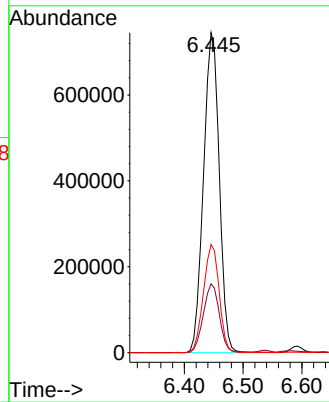
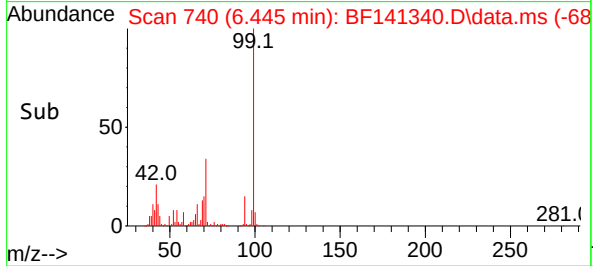
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



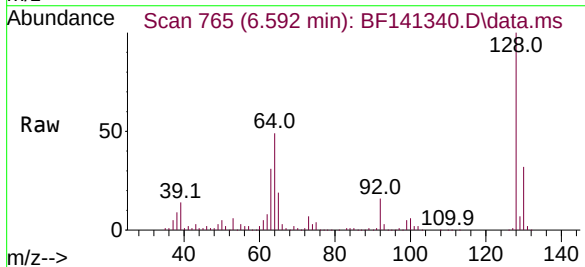
Tgt Ion: 99 Resp: 139016
Ion Ratio Lower Upper
99 100
42 21.5 17.1 25.7
71 33.8 26.9 40.3

Manual Integrations
APPROVED

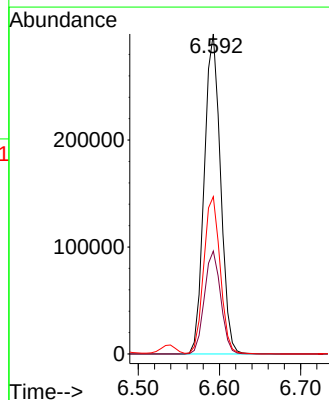
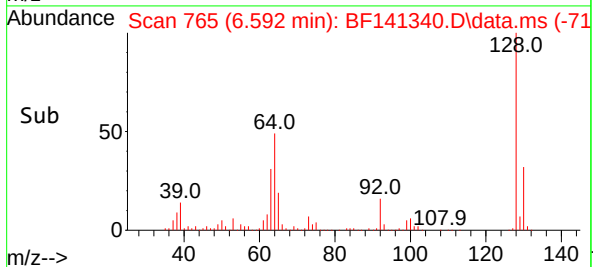
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

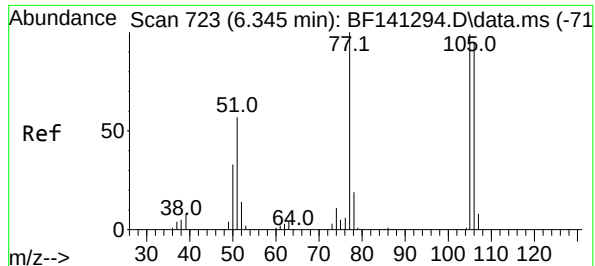


#8
2-Chlorophenol
Concen: 41.825 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:128 Resp: 416608
Ion Ratio Lower Upper
128 100
130 32.2 12.5 52.5
64 49.2 32.9 72.9





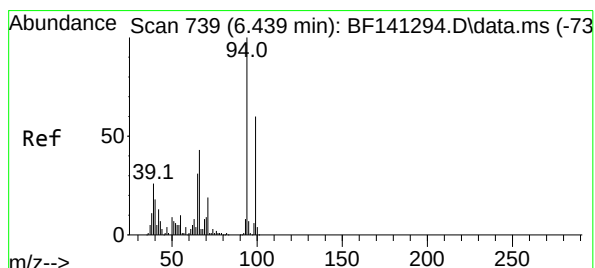
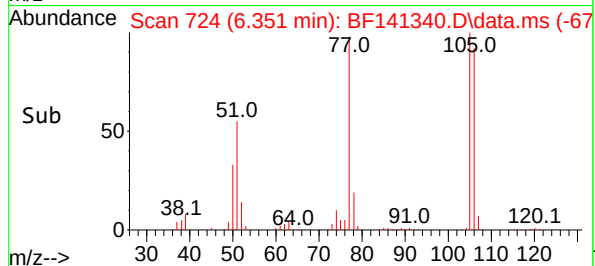
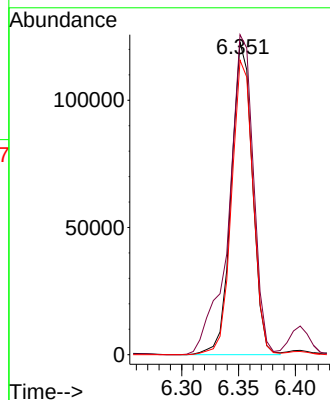
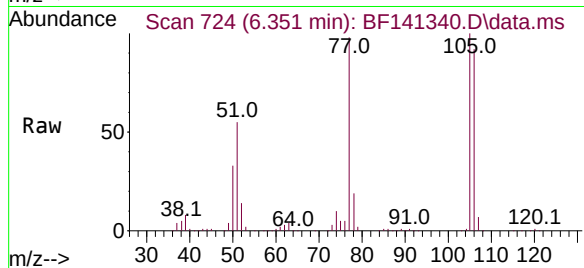
#9
Benzaldehyde
Concen: 23.287 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion: 77 Resp: 159468
Ion Ratio Lower Upper
77 100
105 102.4 79.4 119.4
106 94.3 74.6 114.6

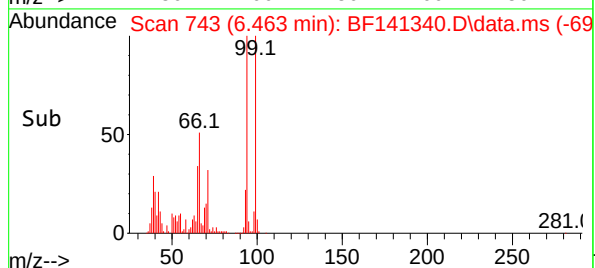
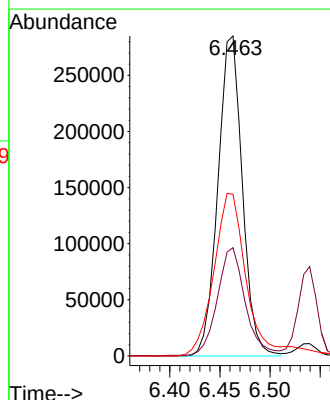
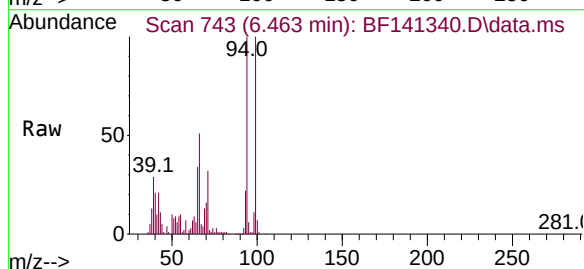
Manual Integrations
APPROVED

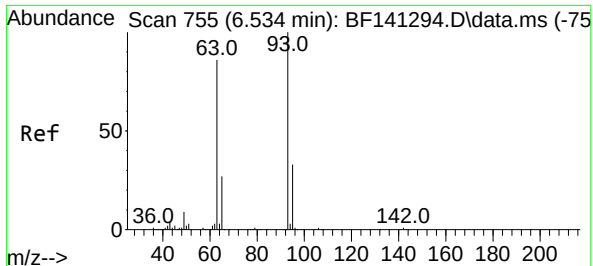
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 38.500 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.012 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion: 94 Resp: 482481
Ion Ratio Lower Upper
94 100
65 33.9 10.8 50.8
66 50.6 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 43.116 ng

RT: 6.539 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 93 Resp: 41430

Ion Ratio Lower Upper

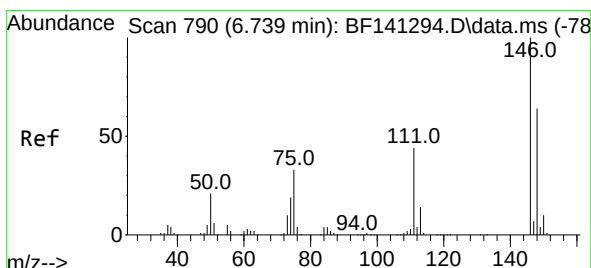
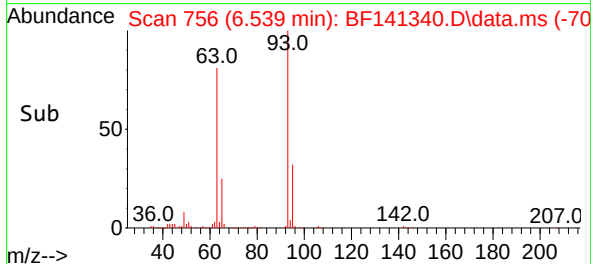
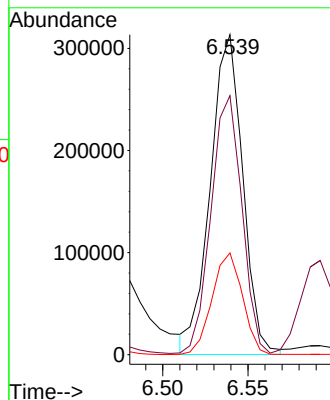
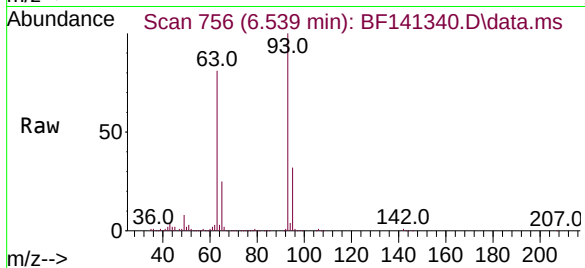
93 100

63 81.0 65.0 105.0

95 31.8 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#12

1,3-Dichlorobenzene

Concen: 35.965 ng

RT: 6.739 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

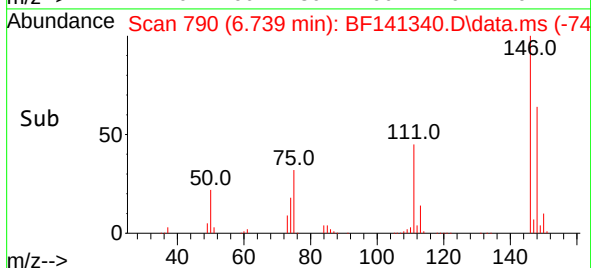
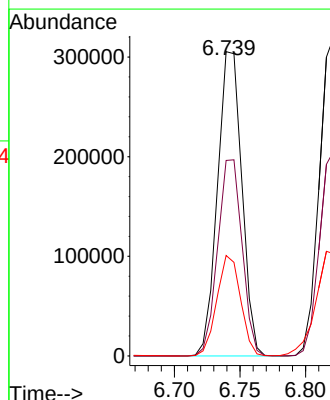
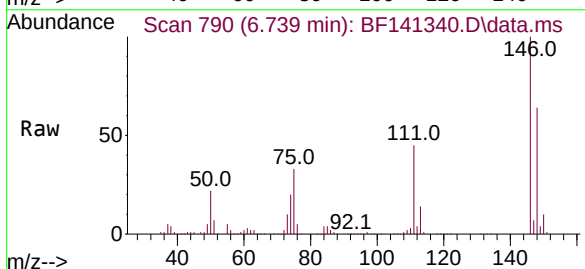
Tgt Ion:146 Resp: 394998

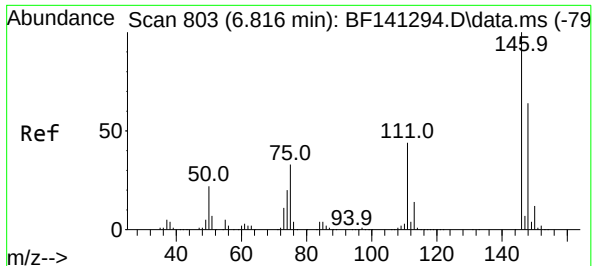
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

75 33.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 36.378 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:146 Resp: 40136

Ion Ratio Lower Upper

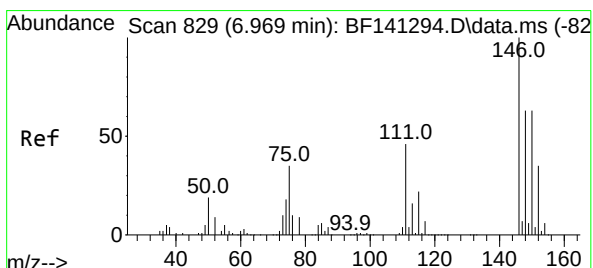
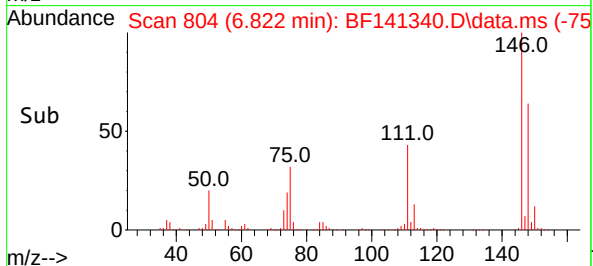
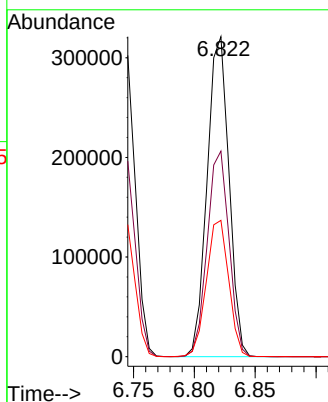
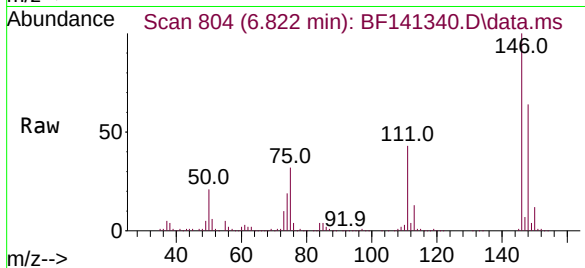
146 100

148 64.2 51.2 76.8

111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#14

1,2-Dichlorobenzene

Concen: 36.372 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

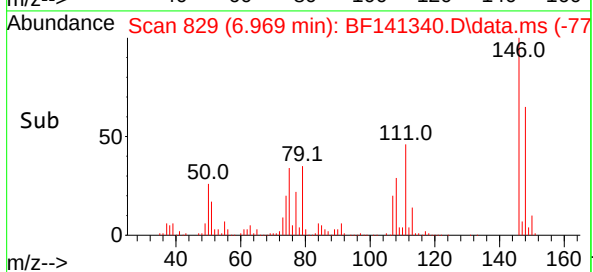
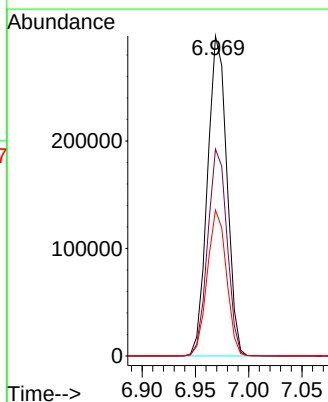
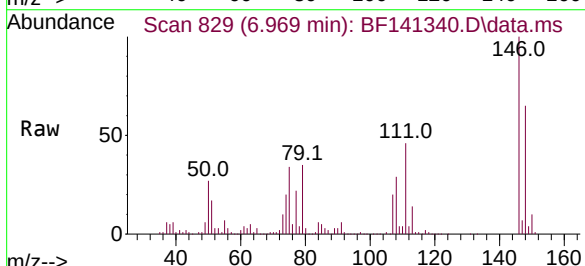
Tgt Ion:146 Resp: 375771

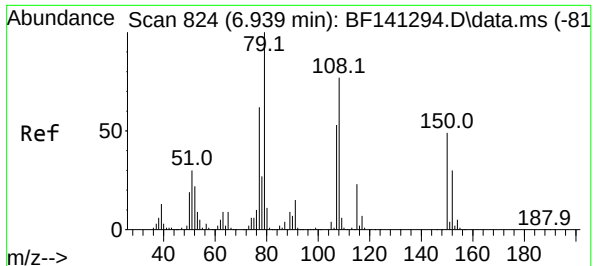
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 45.6 36.6 55.0





#15

Benzyl Alcohol

Concen: 43.371 ng

RT: 6.957 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 79 Resp: 35039

Ion Ratio Lower Upper

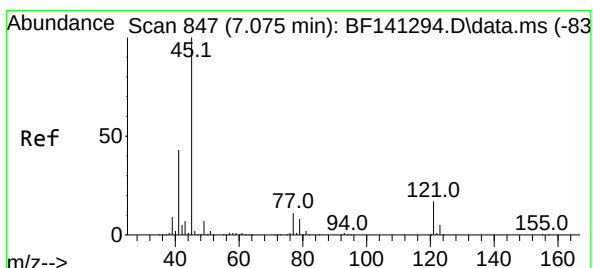
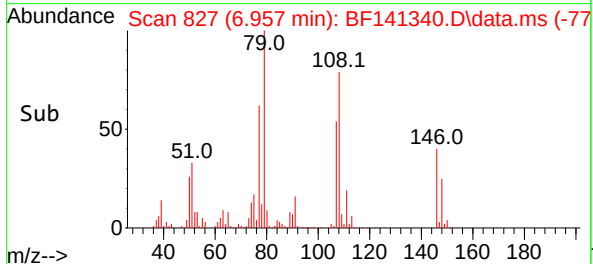
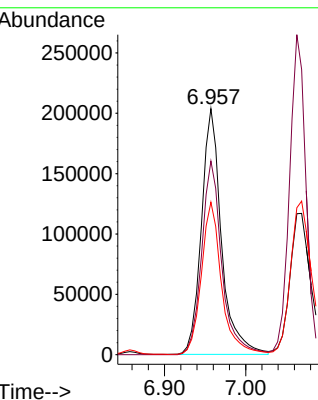
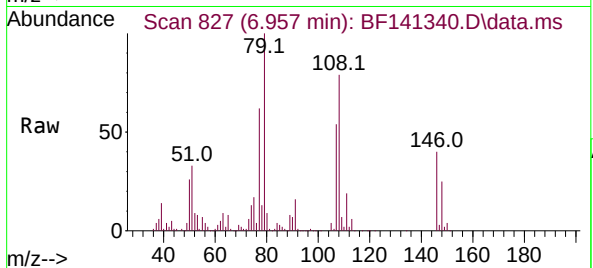
79 100

108 78.6 61.4 92.0

77 61.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.803 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

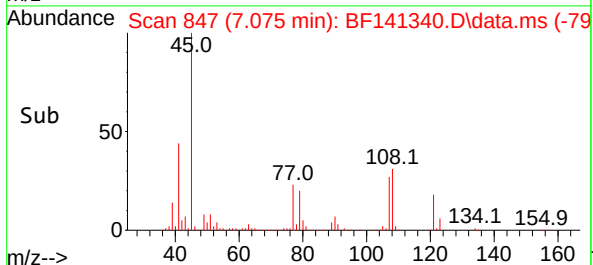
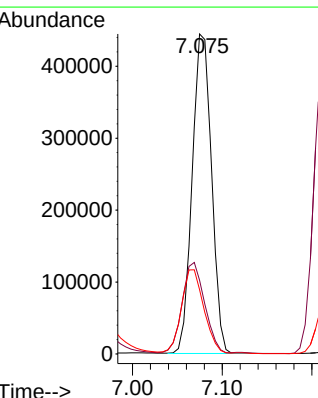
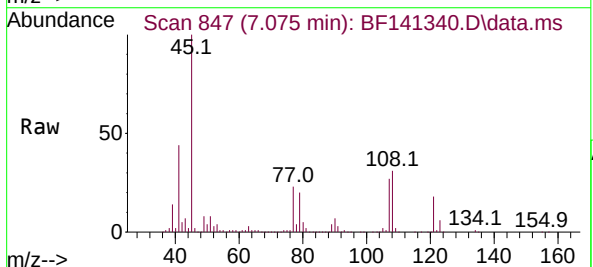
Tgt Ion: 45 Resp: 665073

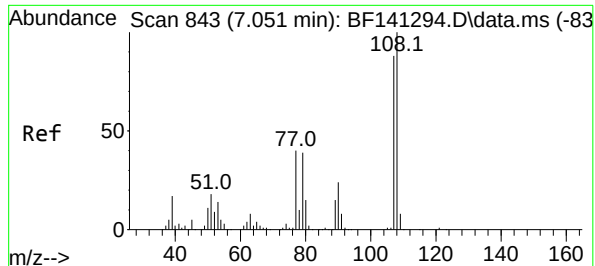
Ion Ratio Lower Upper

45 100

77 23.0 0.0 31.8

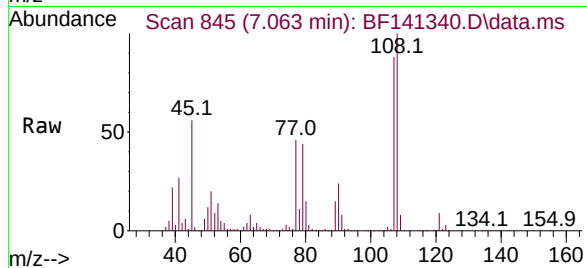
79 20.1 0.0 29.1





#17
2-Methylphenol
Concen: 40.146 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

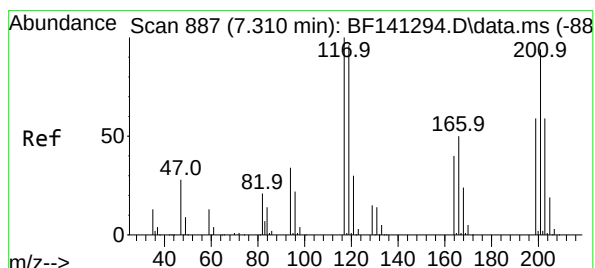
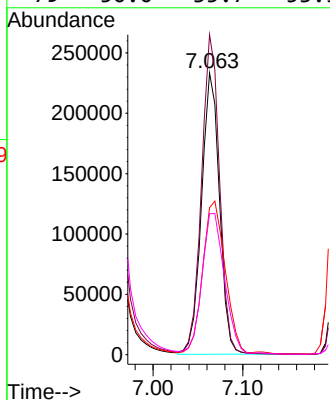
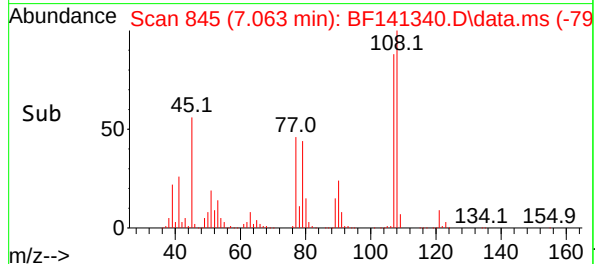
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



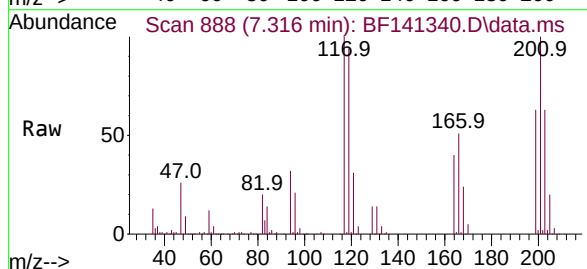
Tgt Ion:107 Resp: 325000
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 52.2 36.2 54.4
79 50.0 35.7 53.5

Manual Integrations
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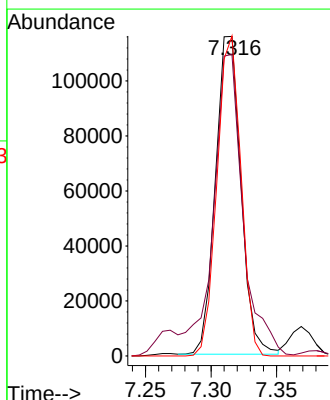
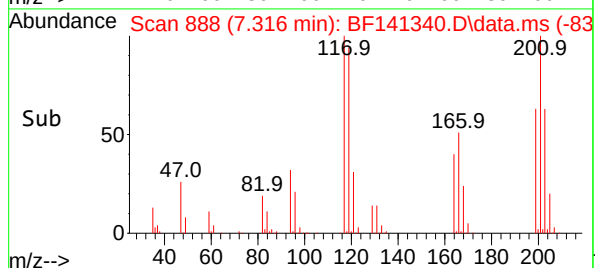
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

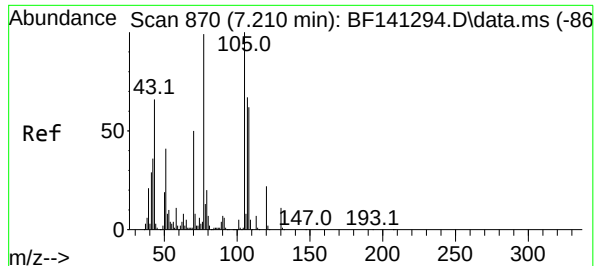


#18
Hexachloroethane
Concen: 38.279 ng
RT: 7.316 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:117 Resp: 155805
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 100.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 40.266 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 70 Resp: 28286

Ion Ratio Lower Upper

70 100

42 67.6 56.8 85.2

101 9.4 7.7 11.5

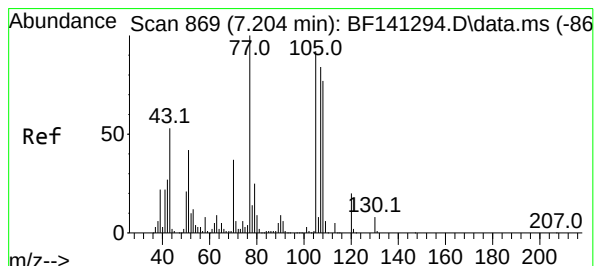
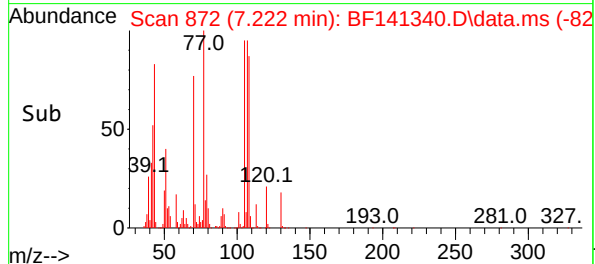
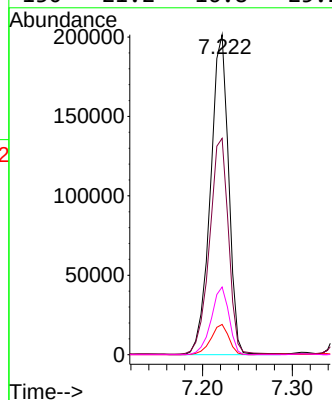
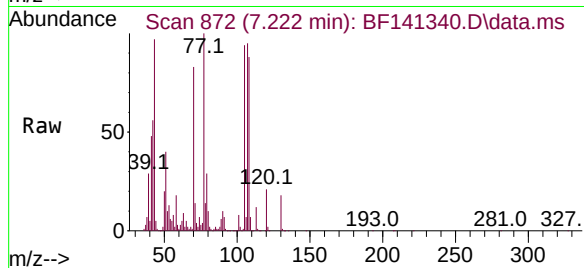
130 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 39.995 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:107 Resp: 397542

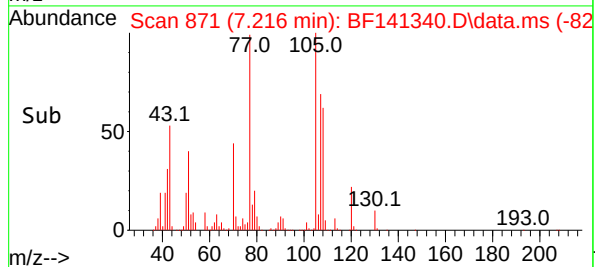
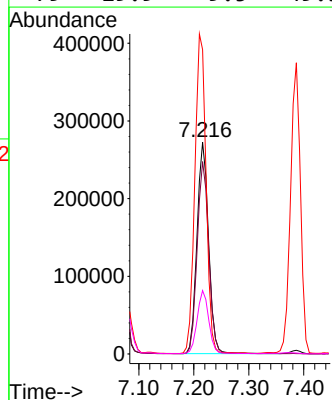
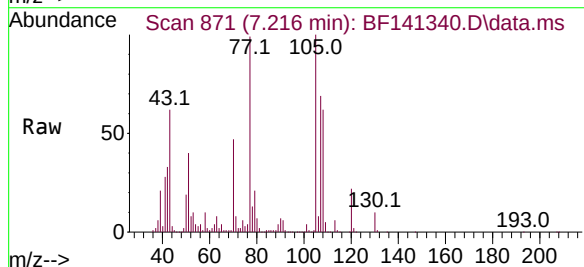
Ion Ratio Lower Upper

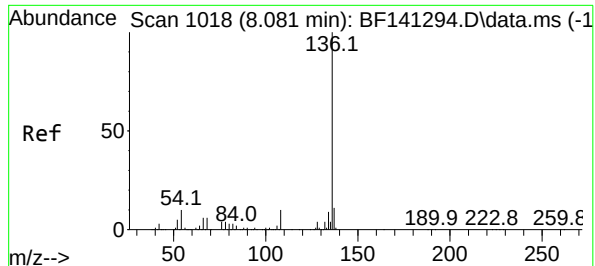
107 100

108 90.9 70.9 110.9

77 143.7 98.5 138.5

79 29.9 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.086 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BF141340.D

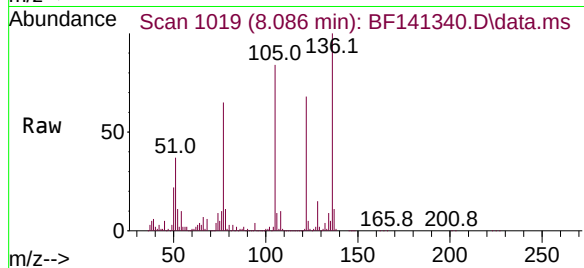
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:136 Resp: 521314

Ion Ratio Lower Upper

136 100

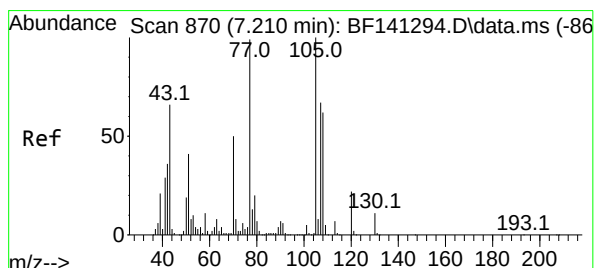
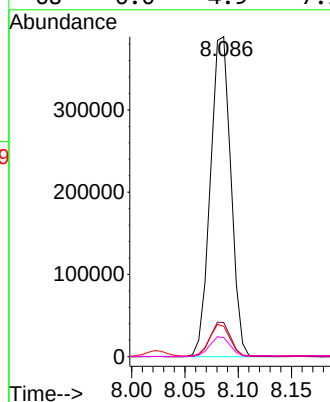
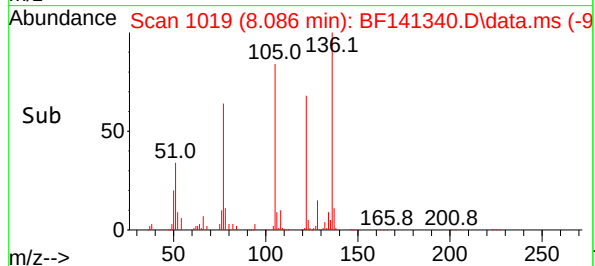
137 10.7 8.6 13.0

54 9.5 7.8 11.8

68 6.0 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 47.856 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:105 Resp: 593012

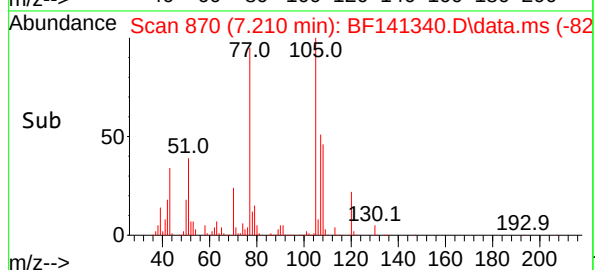
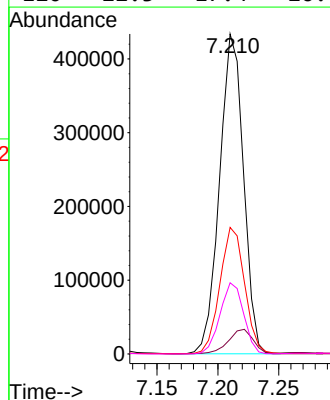
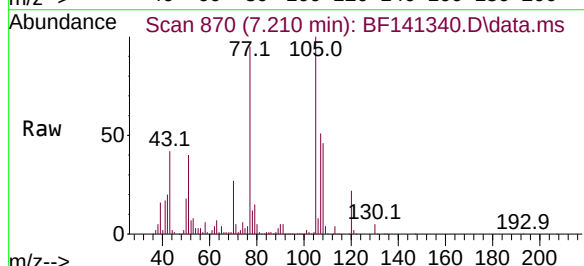
Ion Ratio Lower Upper

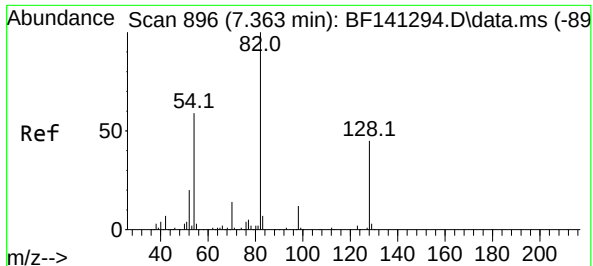
105 100

71 4.6 6.8 10.2#

51 39.5 32.6 49.0

120 22.3 17.4 26.0





#23

Nitrobenzene-d5

Concen: 89.426 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

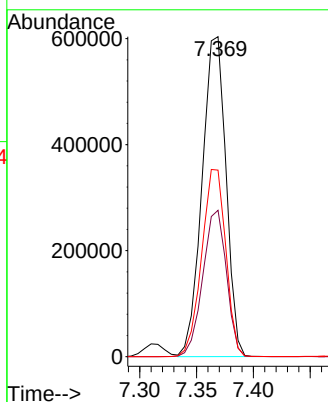
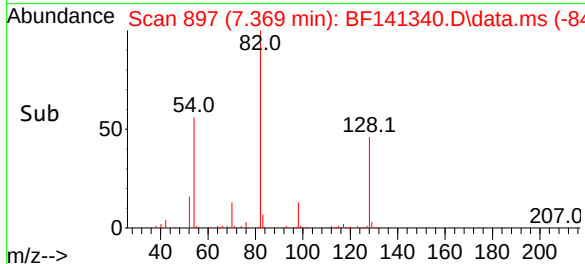
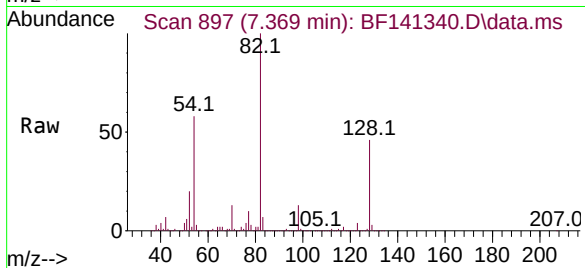
Tgt Ion: 82 Resp: 884339

Ion Ratio Lower Upper

82 100

128 45.7 35.7 53.5

54 58.3 47.1 70.7



Instrument :

BNA_F

ClientSampleId :

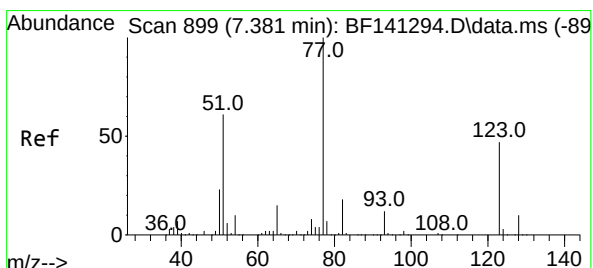
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Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 45.791 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

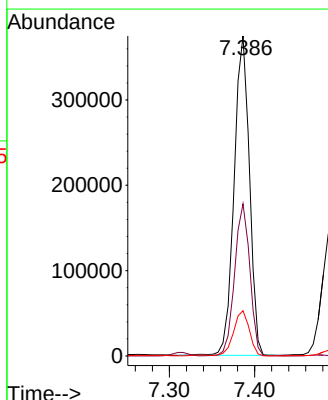
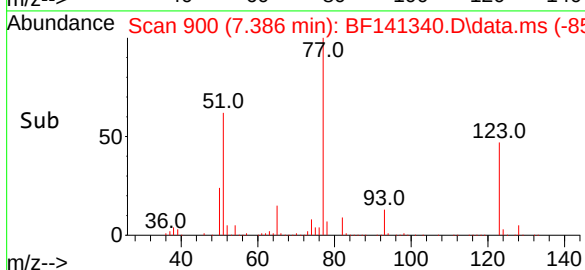
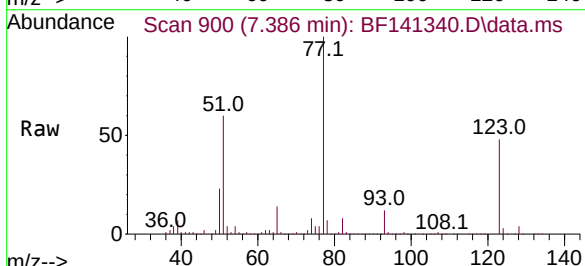
Tgt Ion: 77 Resp: 469271

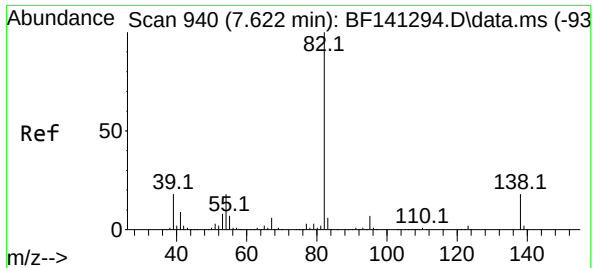
Ion Ratio Lower Upper

77 100

123 47.5 37.3 55.9

65 14.2 11.8 17.6





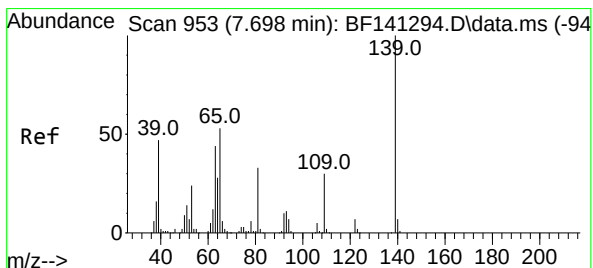
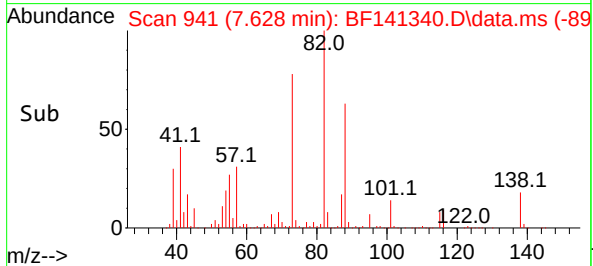
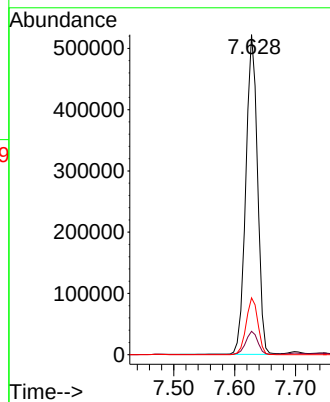
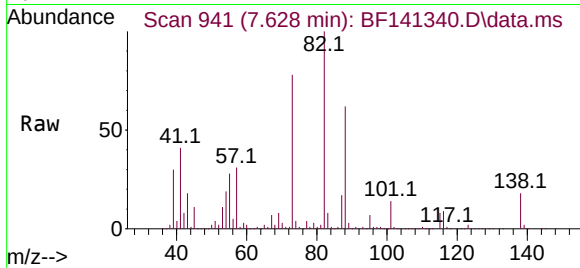
#25
Isophorone
Concen: 40.597 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion: 82 Resp: 69397
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.8 14.7 22.1

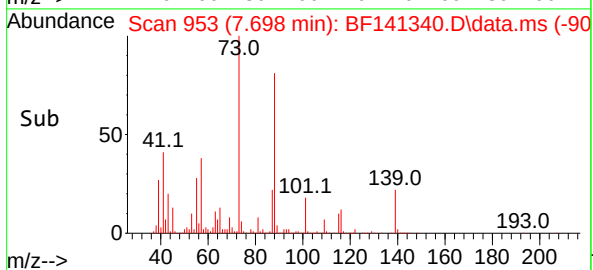
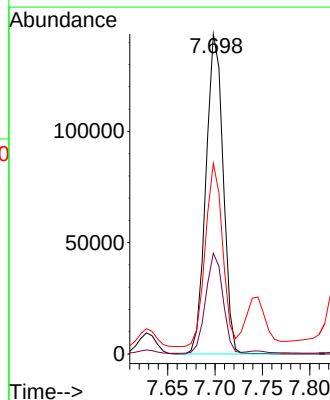
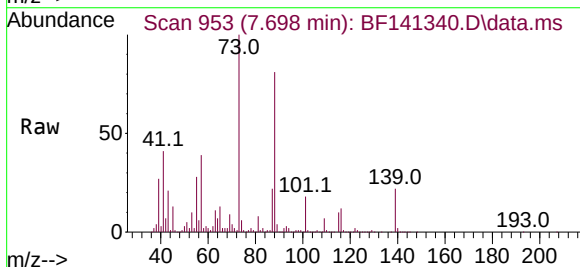
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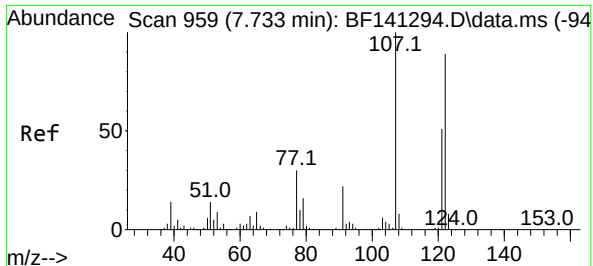
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 37.483 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:139 Resp: 181160
Ion Ratio Lower Upper
139 100
109 31.5 23.8 35.6
65 59.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 44.861 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:122 Resp: 27597

Ion Ratio Lower Upper

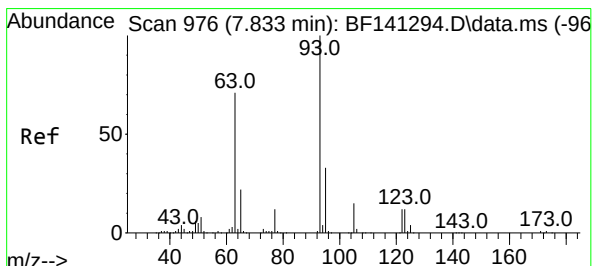
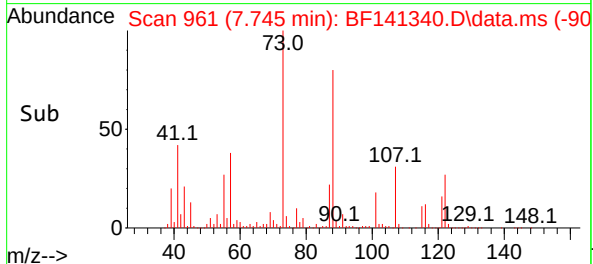
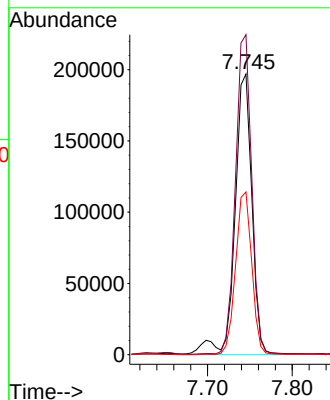
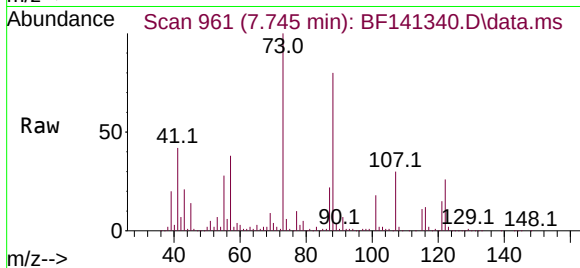
122 100

107 114.0 89.9 134.9

121 58.0 46.1 69.1

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 32.505 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

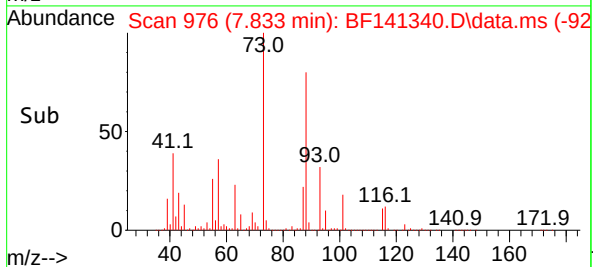
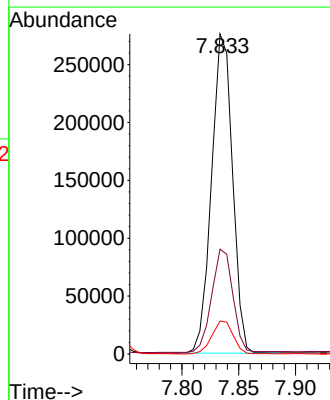
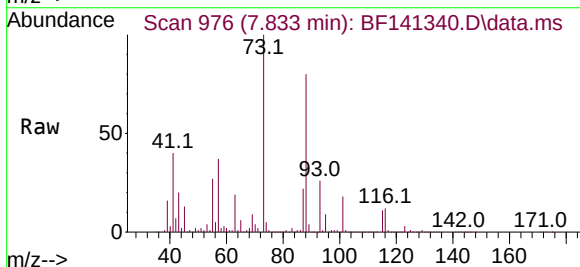
Tgt Ion: 93 Resp: 354422

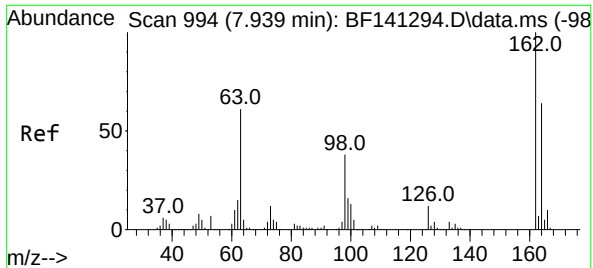
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 10.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 28.795 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:162 Resp: 21686

Ion Ratio Lower Upper

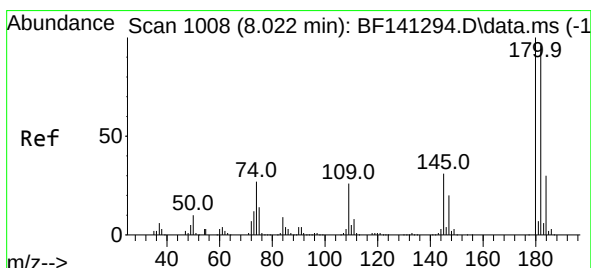
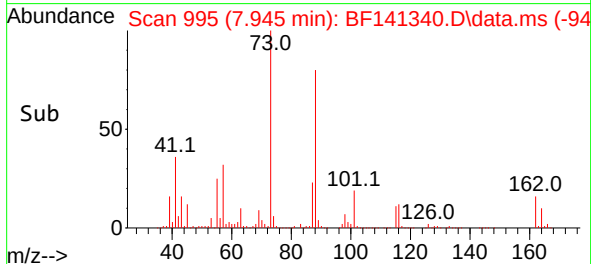
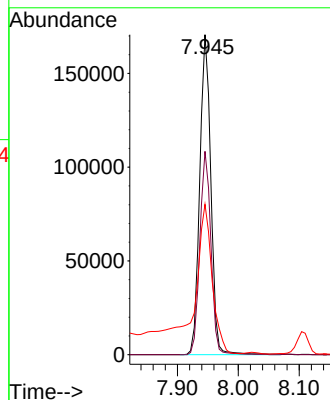
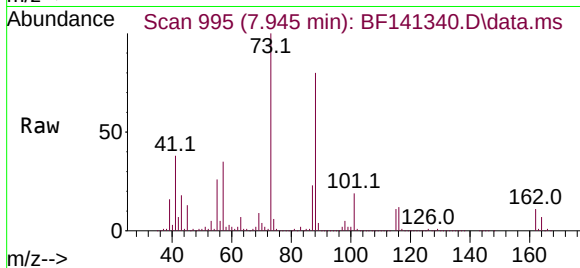
162 100

164 63.5 44.2 84.2

98 47.0 18.2 58.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 38.916 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

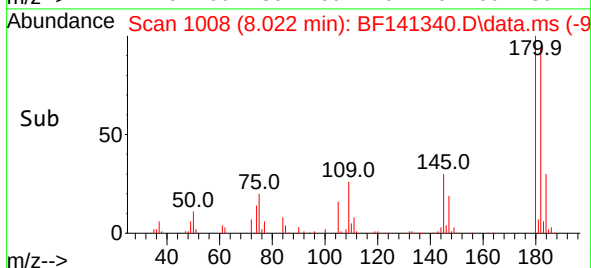
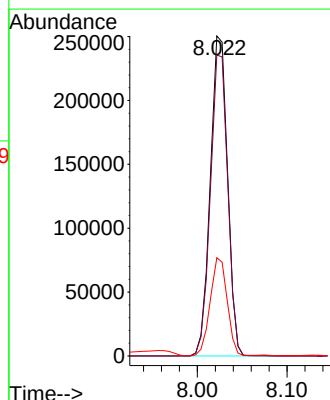
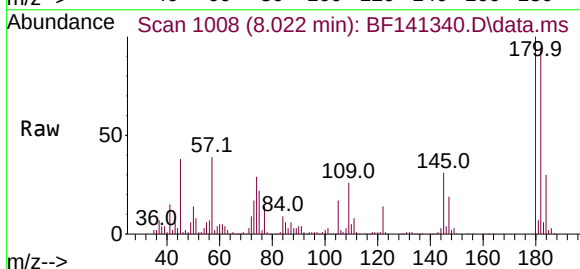
Tgt Ion:180 Resp: 334708

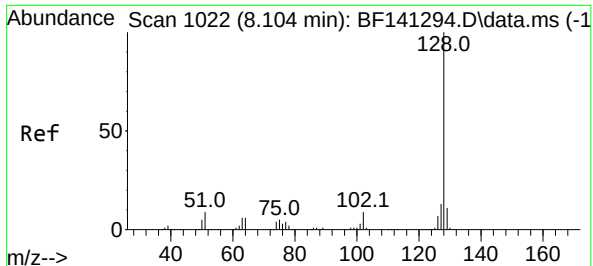
Ion Ratio Lower Upper

180 100

182 94.1 76.4 114.6

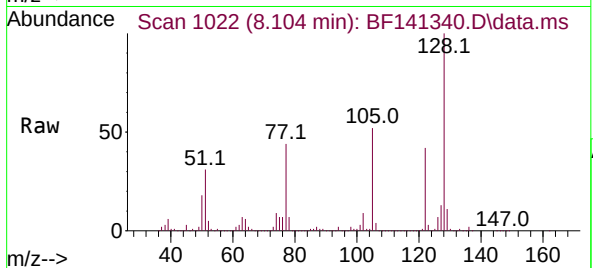
145 30.7 24.9 37.3





#31
Naphthalene
Concen: 38.311 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

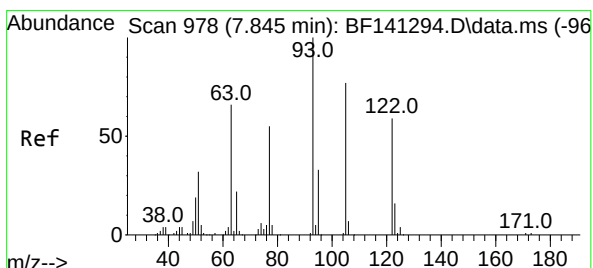
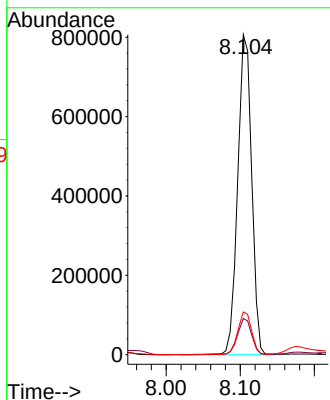
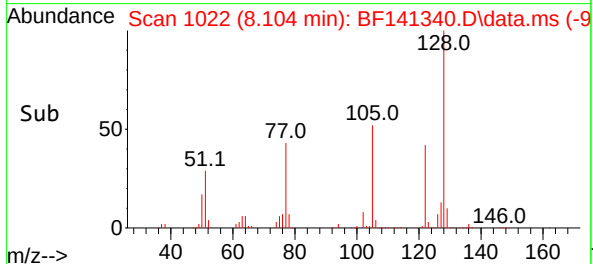
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:128 Resp: 1055072
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.4 10.6 15.8

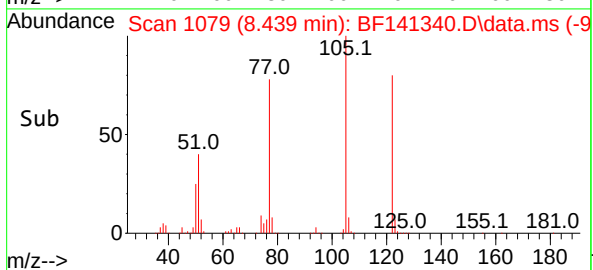
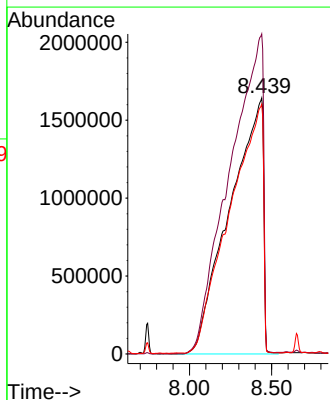
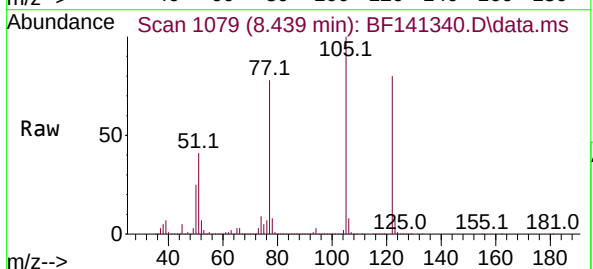
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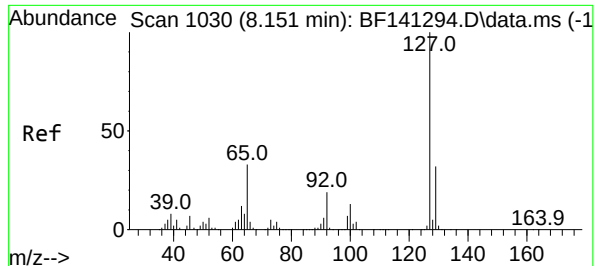
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 4106.266 ng m
RT: 8.439 min Scan# 1079
Delta R.T. 0.559 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:122 Resp:23221760
Ion Ratio Lower Upper
122 100
105 125.0 103.4 143.4
77 97.5 70.9 110.9





#33

4-Chloroaniline

Concen: 6.181 ng

RT: 8.175 min Scan# 1030

Delta R.T. 0.017 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:127 Resp: 57720

Ion Ratio Lower Upper

127 100

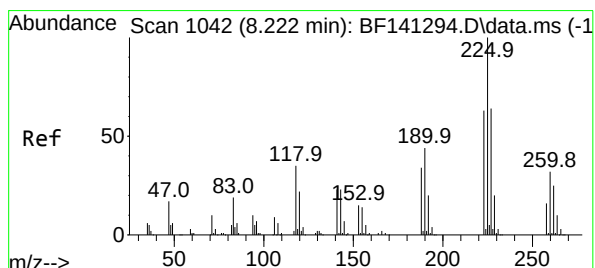
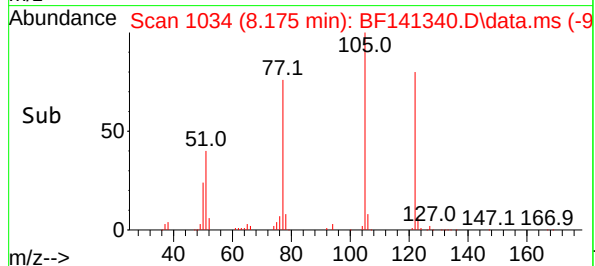
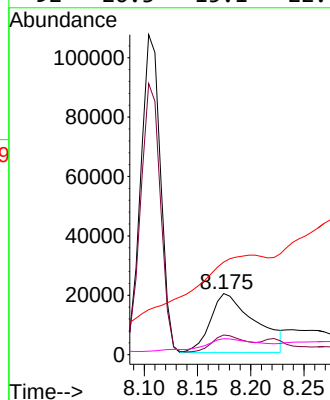
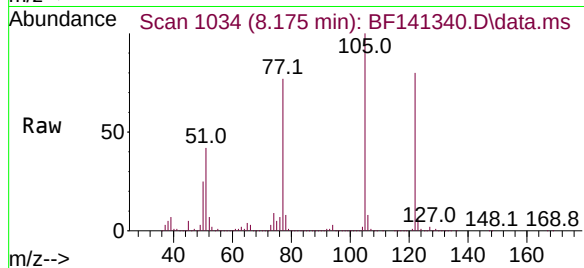
129 32.2 25.7 38.5

65 151.6 26.4 39.6

92 26.3 15.1 22.7#

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 32.412 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

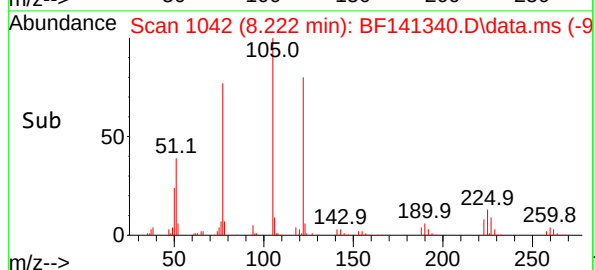
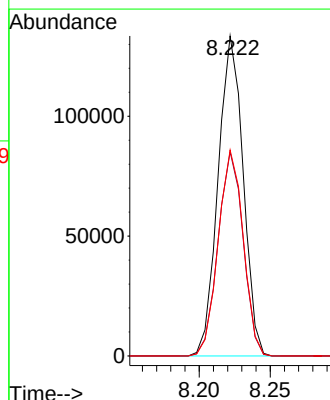
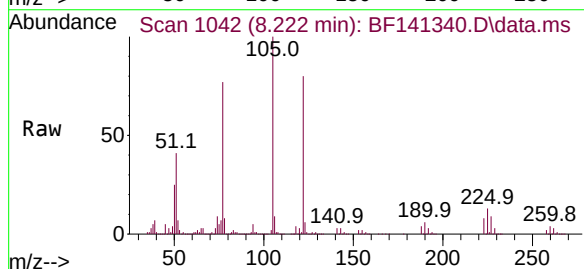
Tgt Ion:225 Resp: 163478

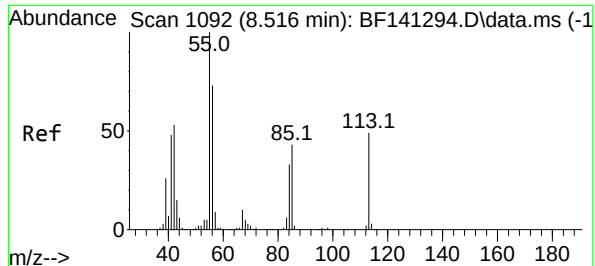
Ion Ratio Lower Upper

225 100

223 63.8 50.4 75.6

227 64.4 51.3 76.9





#35

Caprolactam

Concen: 40.952 ng

RT: 8.728 min Scan# 1128

Delta R.T. 0.182 min

Lab File: BF141340.D

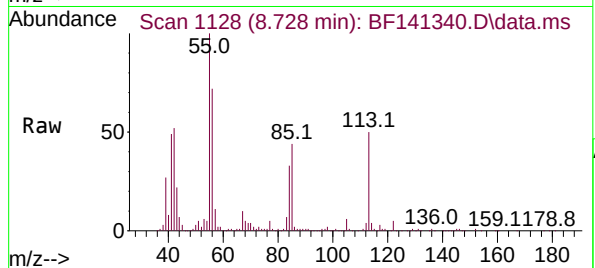
Acq: 31 Jan 2025 19:11

Instrument :

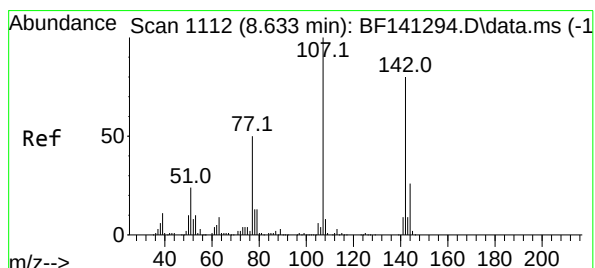
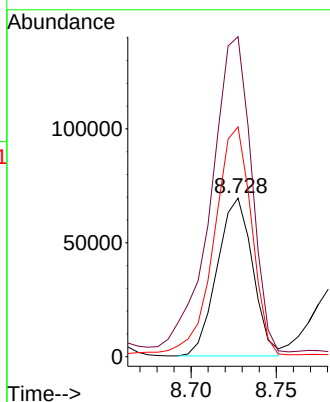
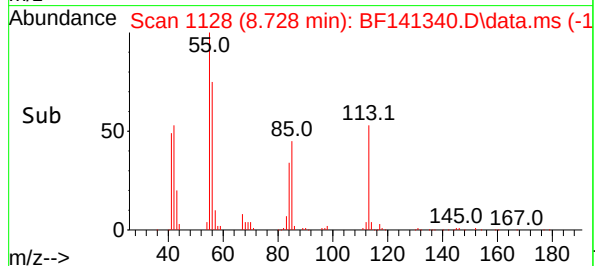
BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:	113	Resp:	100729
Ion	Ratio	Lower	Upper
113	100		
55	201.8	182.9	222.9
56	144.9	127.9	167.9

Manual Integrations
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Supervised By :mohammad ahmed 02/04/2025

#36

4-Chloro-3-methylphenol

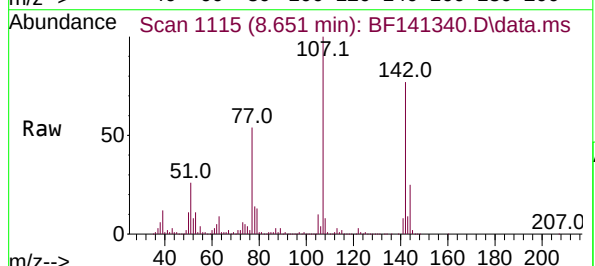
Concen: 43.224 ng

RT: 8.651 min Scan# 1115

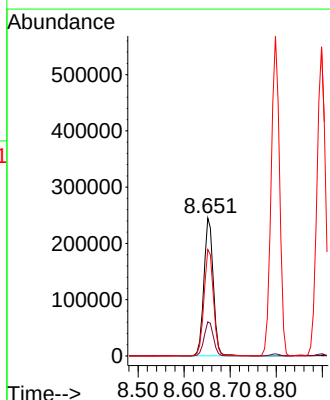
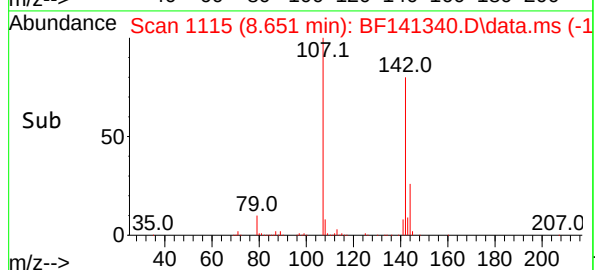
Delta R.T. 0.012 min

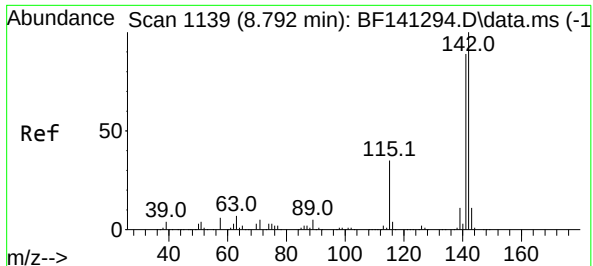
Lab File: BF141340.D

Acq: 31 Jan 2025 19:11



Tgt Ion:	107	Resp:	349171
Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.7	31.1
142	77.2	63.8	95.8





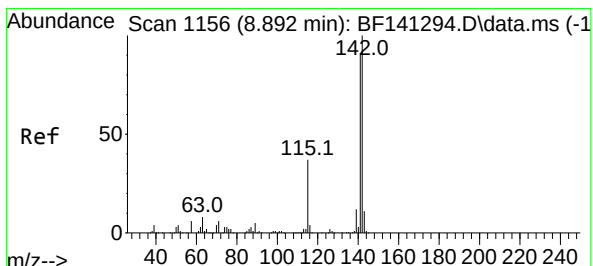
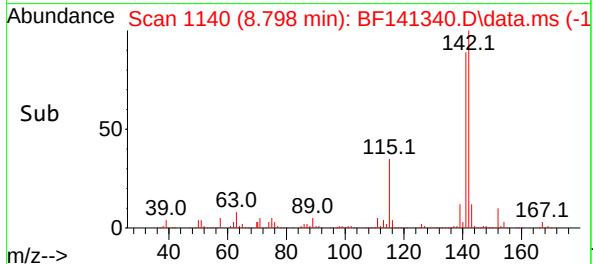
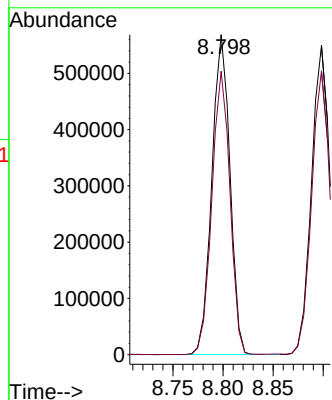
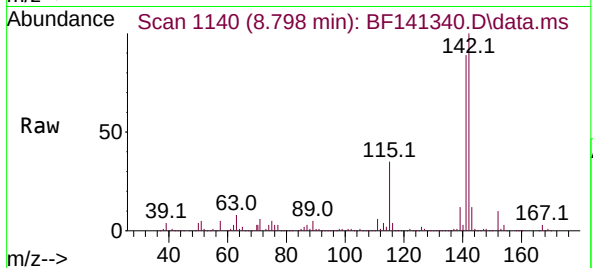
#37
2-Methylnaphthalene
Concen: 40.815 ng
RT: 8.798 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:142 Resp: 71442
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

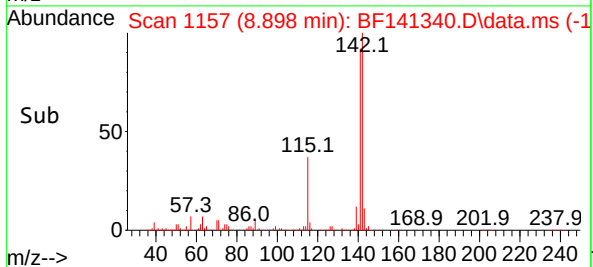
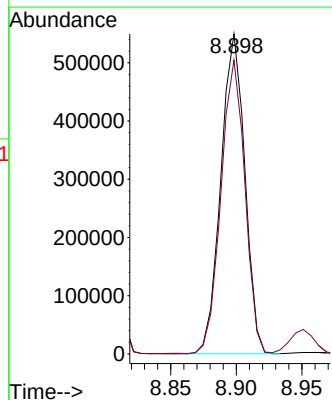
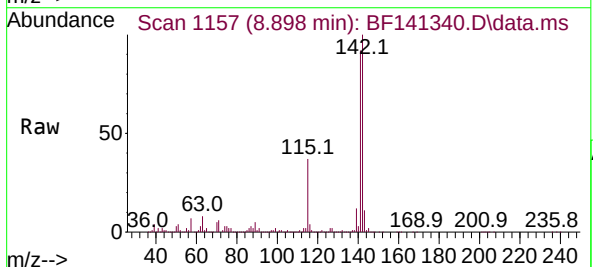
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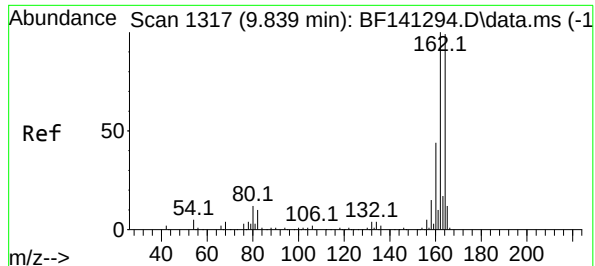
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 40.561 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:142 Resp: 697402
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1168

Delta R.T. 0.006 min

Lab File: BF141340.D

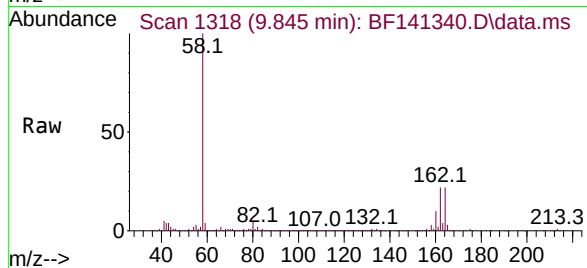
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:164 Resp: 271292

Ion Ratio Lower Upper

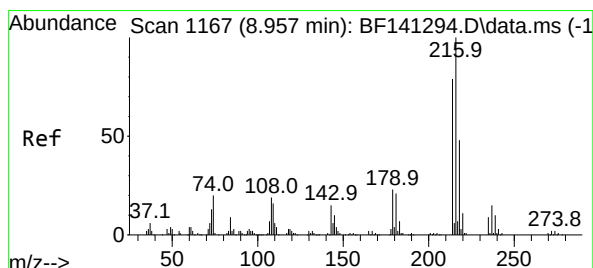
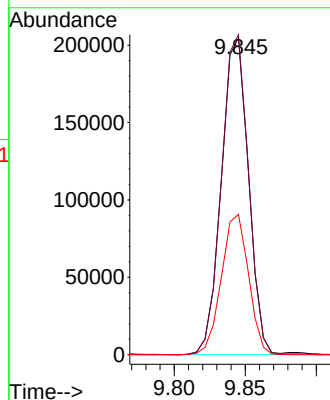
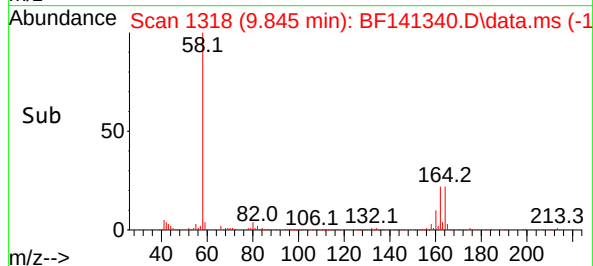
164 100

162 101.0 80.6 121.0

160 44.4 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.739 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:216 Resp: 368448

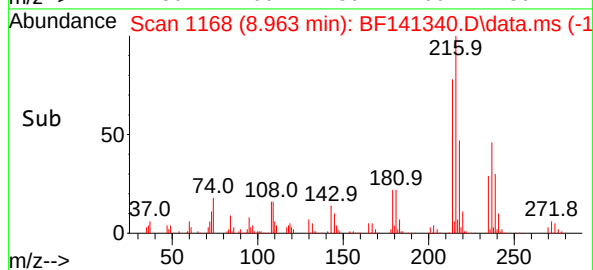
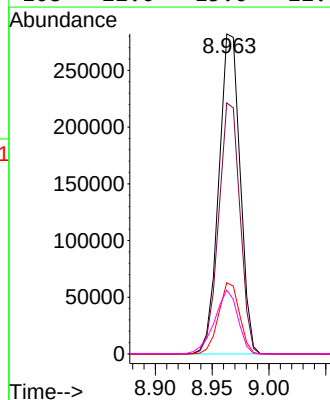
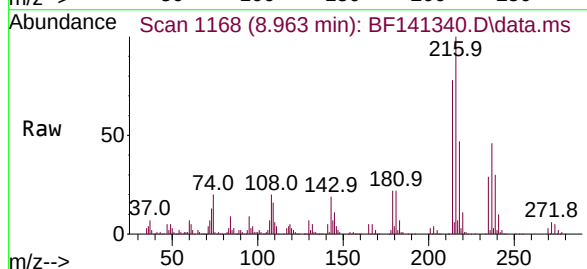
Ion Ratio Lower Upper

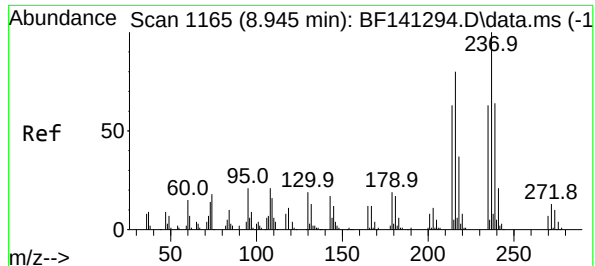
216 100

214 78.3 63.2 94.8

179 21.9 17.8 26.8

108 22.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 185.647 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:237 Resp: 42315

Ion Ratio Lower Upper

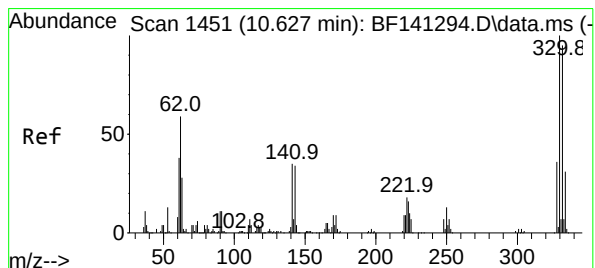
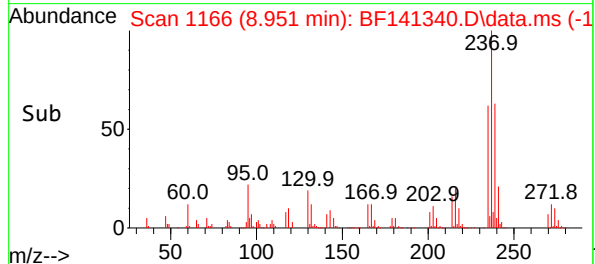
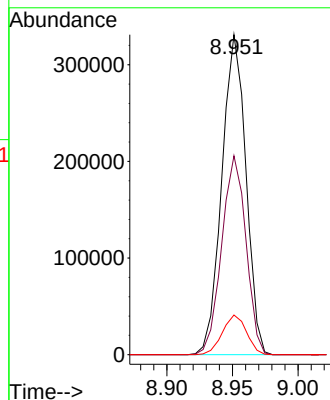
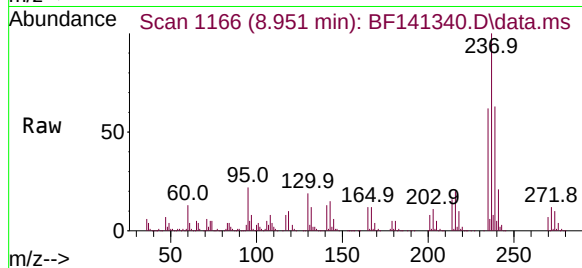
237 100

235 62.1 42.9 82.9

272 12.4 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 119.788 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

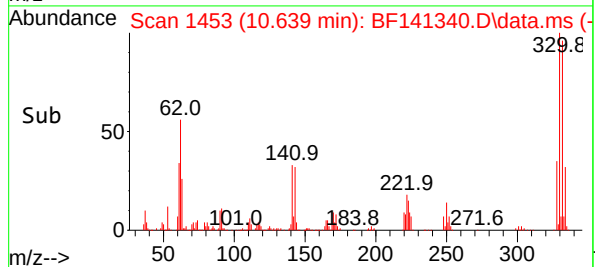
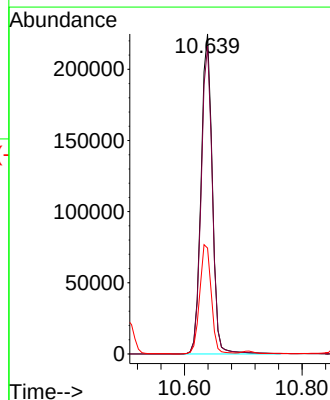
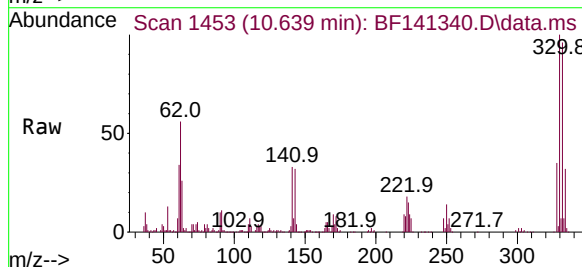
Tgt Ion:330 Resp: 297928

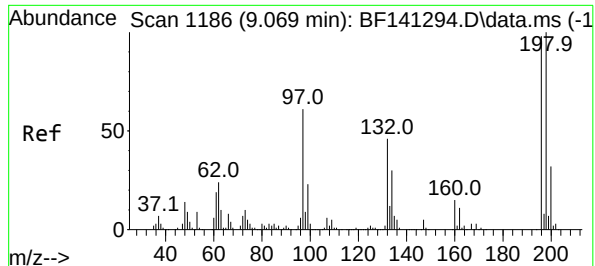
Ion Ratio Lower Upper

330 100

332 96.1 76.1 114.1

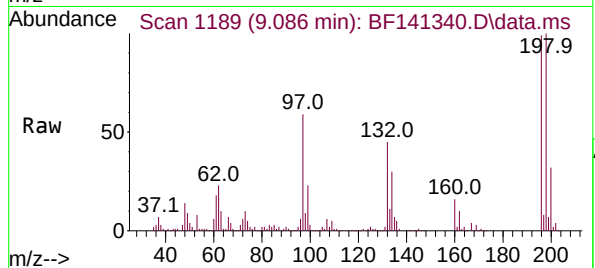
141 35.5 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 45.039 ng
RT: 9.086 min Scan# 1186
Delta R.T. 0.012 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

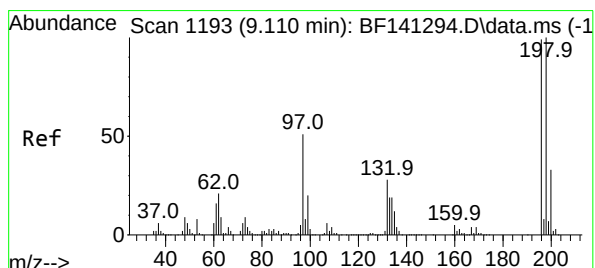
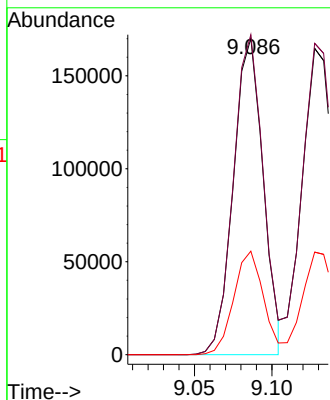
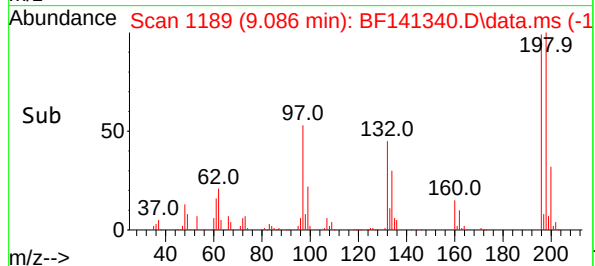
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



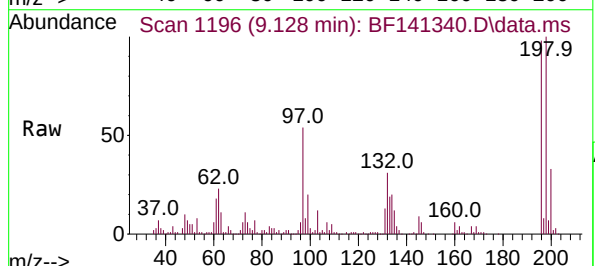
Tgt Ion:196 Resp: 22752
Ion Ratio Lower Upper
196 100
198 101.2 81.8 122.6
200 32.7 26.3 39.5

Manual Integrations
APPROVED

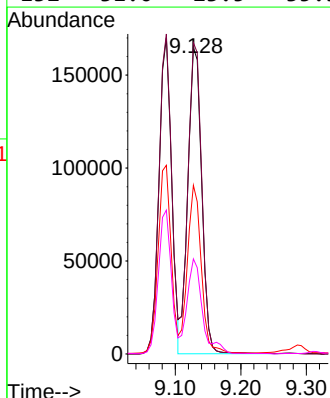
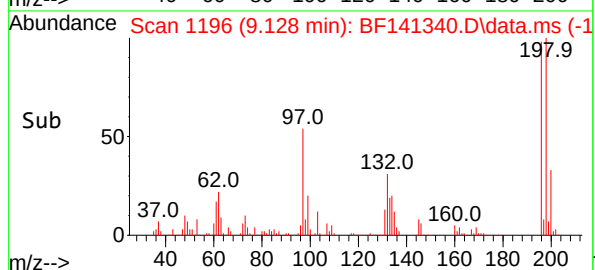
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

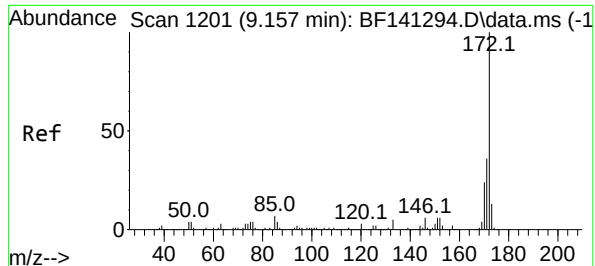


#44
2,4,5-Trichlorophenol
Concen: 43.818 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.012 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:196 Resp: 240917
Ion Ratio Lower Upper
196 100
198 101.7 80.5 120.7
97 55.1 42.8 64.2
132 31.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 85.665 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:172 Resp: 150990

Ion Ratio Lower Upper

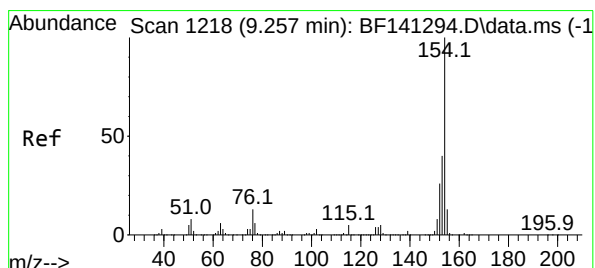
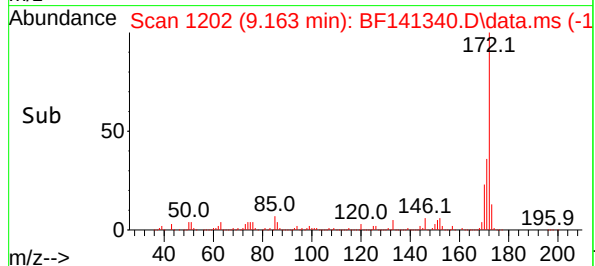
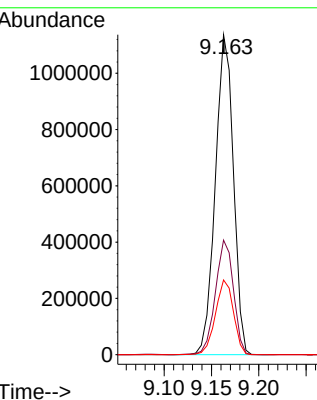
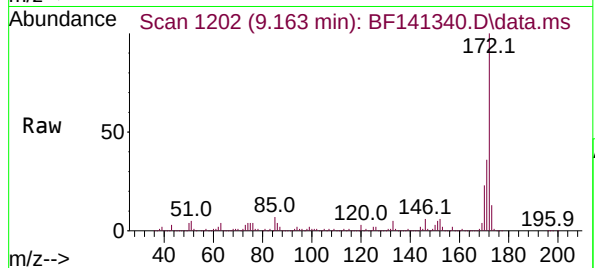
172 100

171 35.8 28.8 43.2

170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 47.606 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

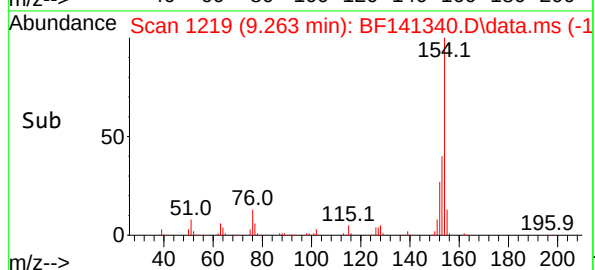
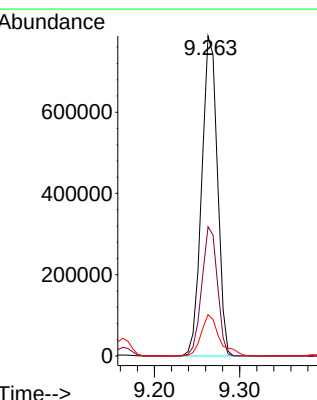
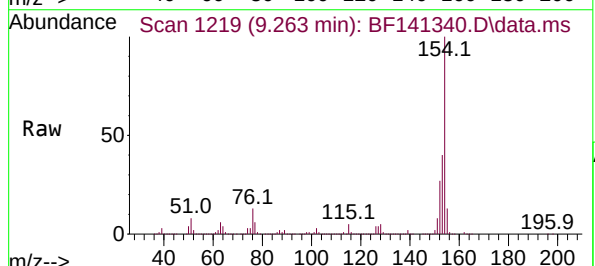
Tgt Ion:154 Resp: 1007225

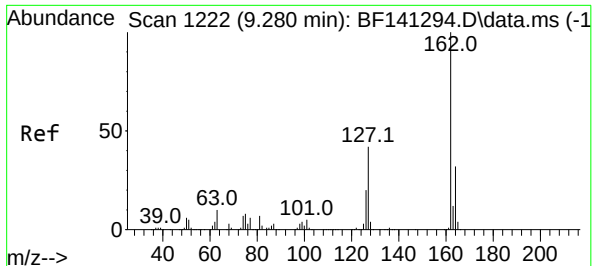
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 12.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 41.240 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

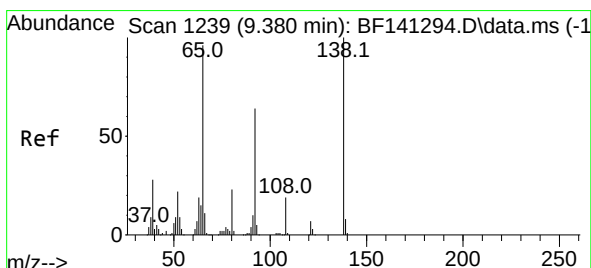
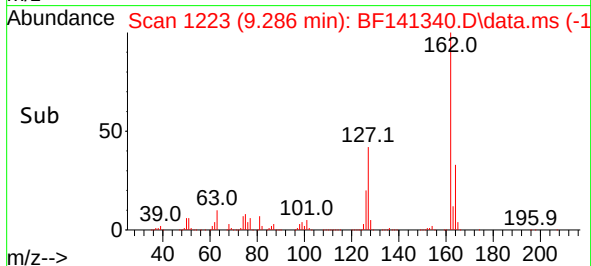
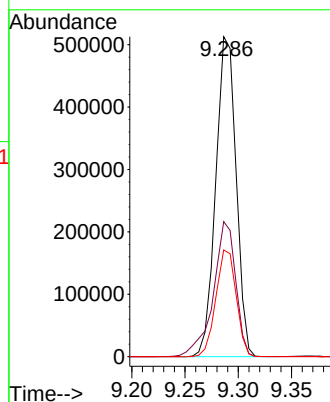
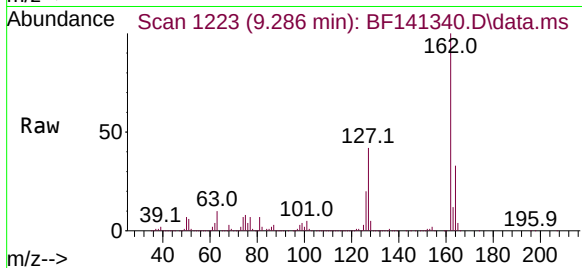
Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.7	50.5
164	33.4	25.9	38.9

Manual Integrations
APPROVEDReviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 35.958 ng

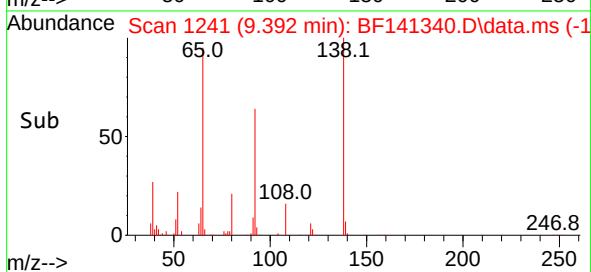
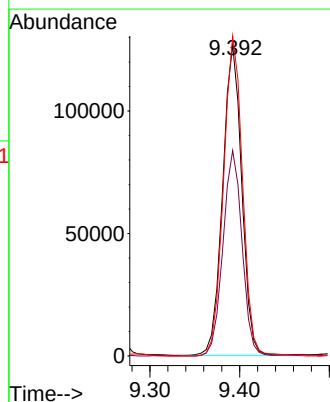
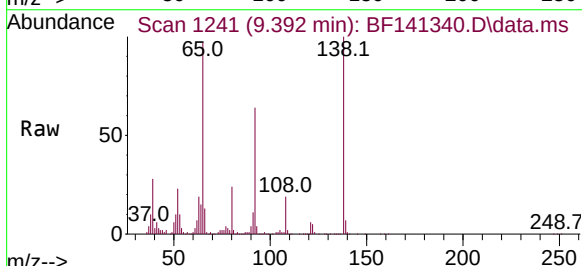
RT: 9.392 min Scan# 1241

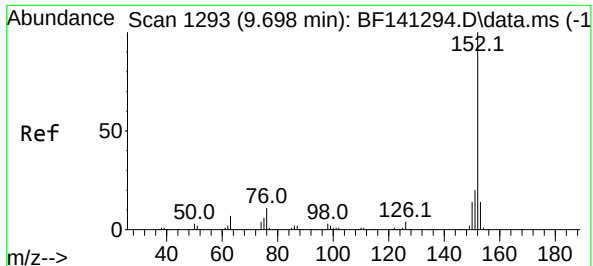
Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.1	53.3	79.9
138	102.9	83.6	125.4





#49

Acenaphthylene

Concen: 39.699 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:152 Resp: 91643

Ion Ratio Lower Upper

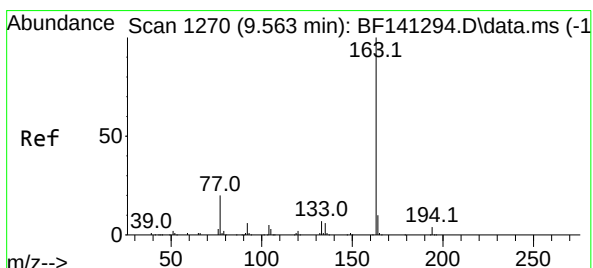
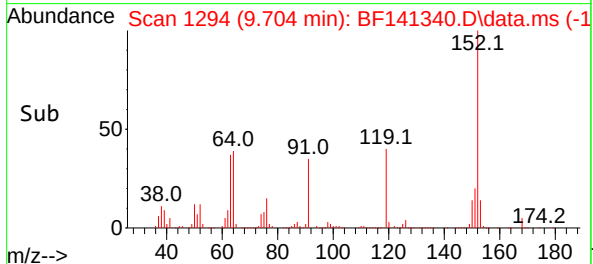
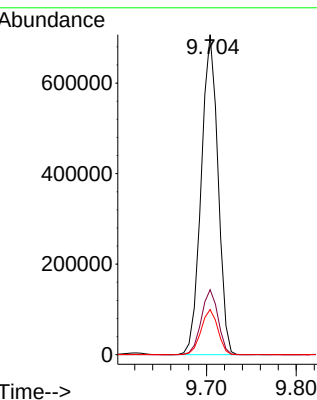
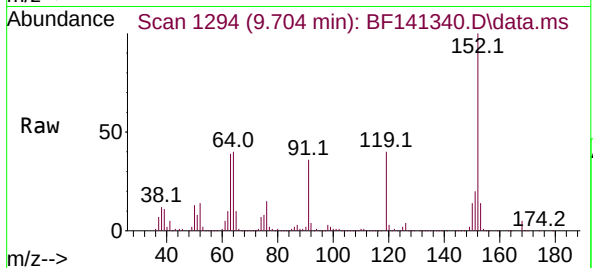
152 100

151 20.3 16.2 24.2

153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 44.149 ng

RT: 9.580 min Scan# 1273

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

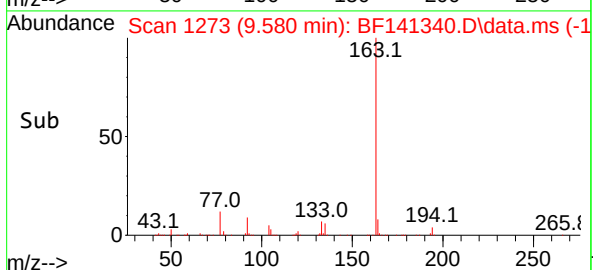
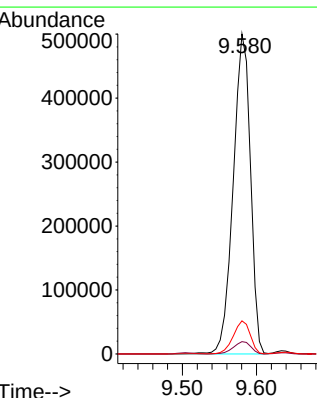
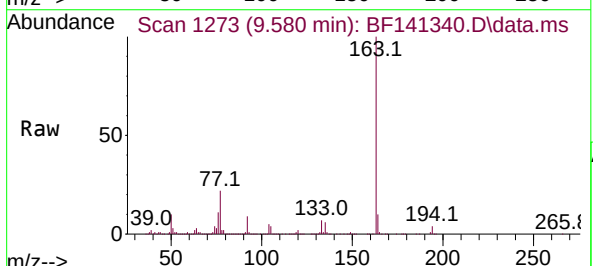
Tgt Ion:163 Resp: 808935

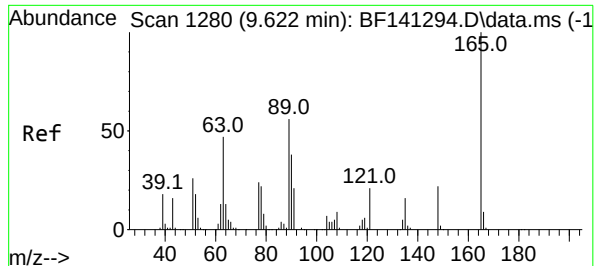
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

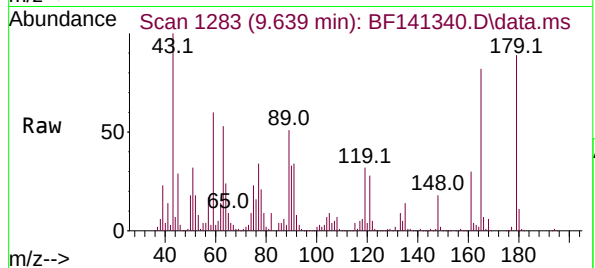
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 39.479 ng
RT: 9.639 min Scan# 1280
Delta R.T. 0.012 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

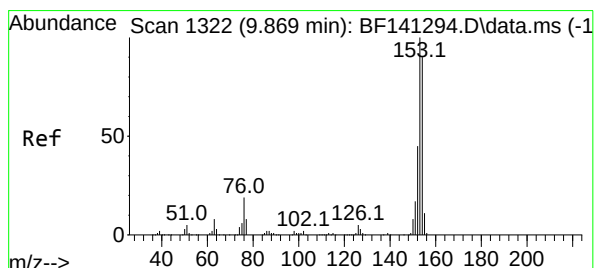
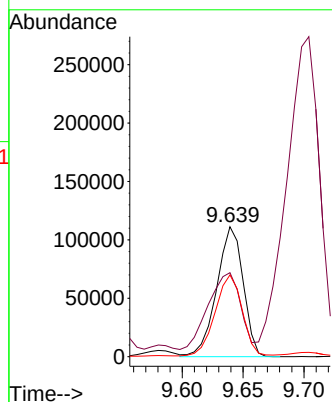
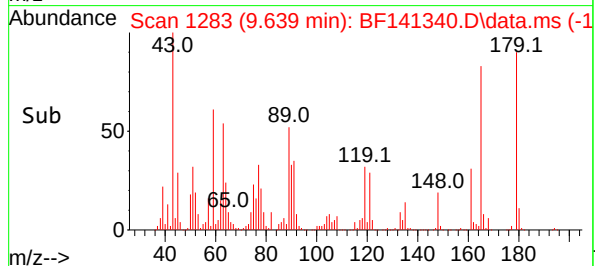
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:165 Resp: 167958
Ion Ratio Lower Upper
165 100
63 64.7 48.1 72.1
89 62.9 44.9 67.3

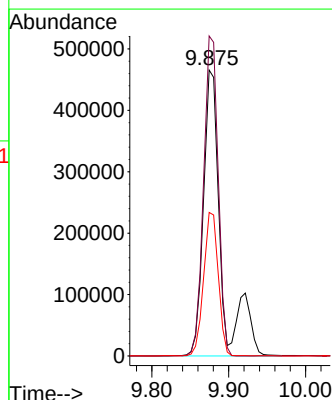
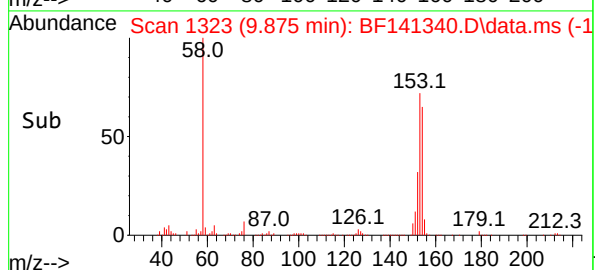
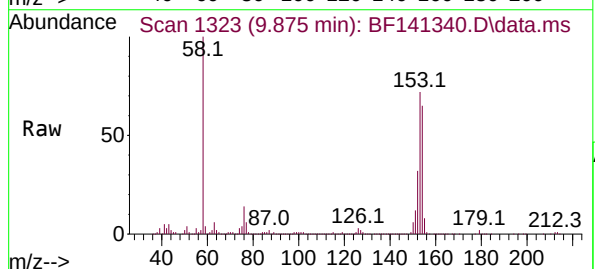
Manual Integrations
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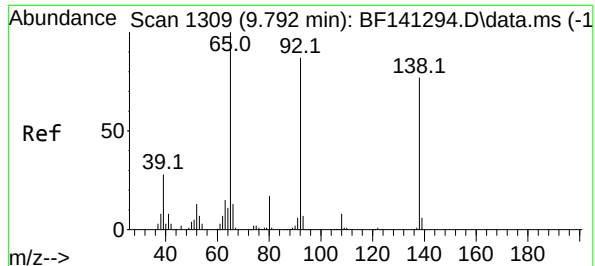
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 45.675 ng m
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:154 Resp: 753252
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.4
152 50.2 40.2 60.4





#53

3-Nitroaniline

Concen: 13.927 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.017 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

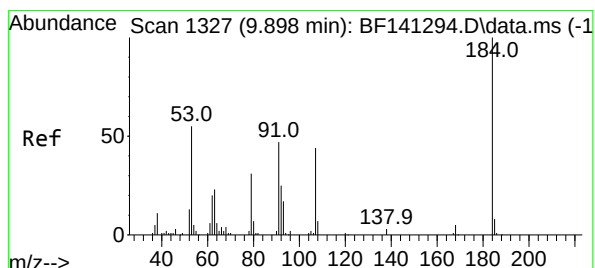
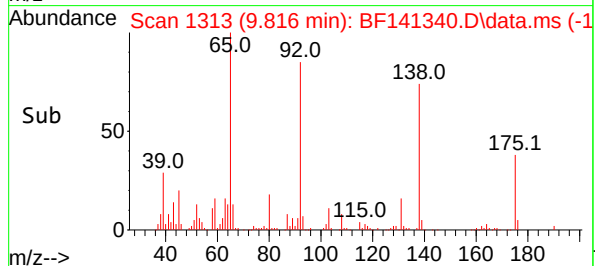
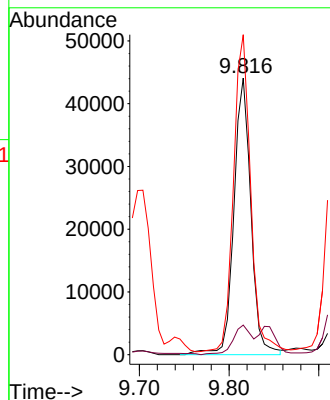
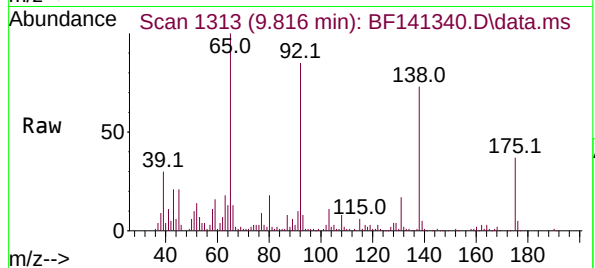
BELL-25-002MSD

Tgt Ion:138 Resp: 5807

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.7	91.0	136.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#54

2,4-Dinitrophenol

Concen: 106.961 ng

RT: 9.922 min Scan# 1331

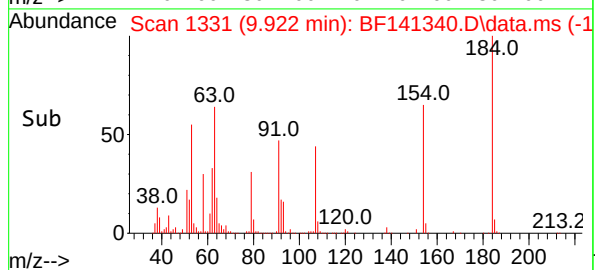
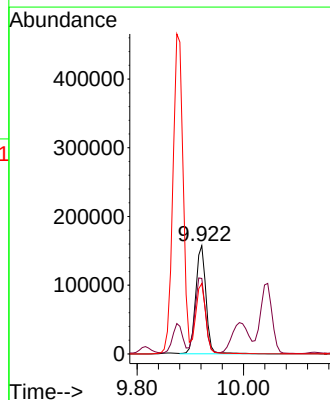
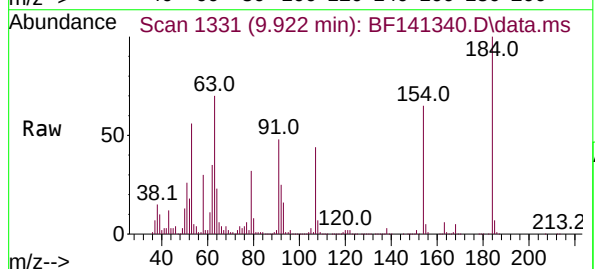
Delta R.T. 0.018 min

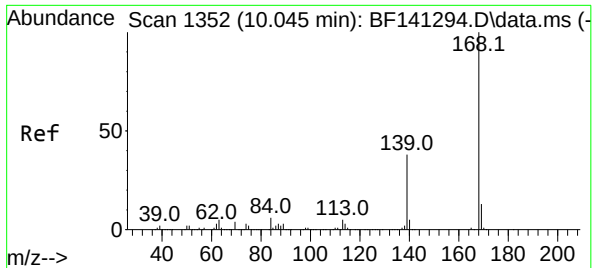
Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:184 Resp: 211534

Ion	Ratio	Lower	Upper
184	100		
63	69.8	54.1	81.1
154	65.1	50.7	76.1





#55

Dibenzenofuran

Concen: 40.410 ng

RT: 10.051 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:168 Resp: 892050

Ion Ratio Lower Upper

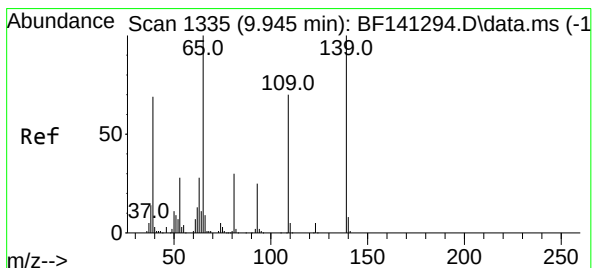
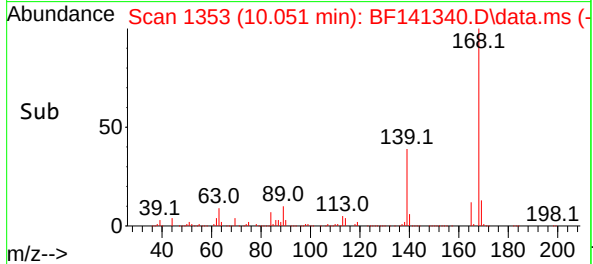
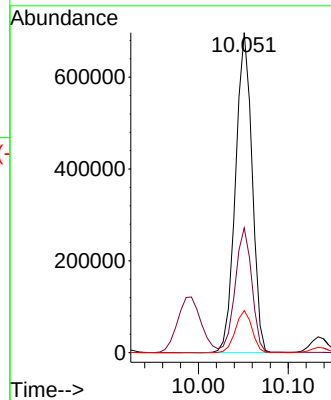
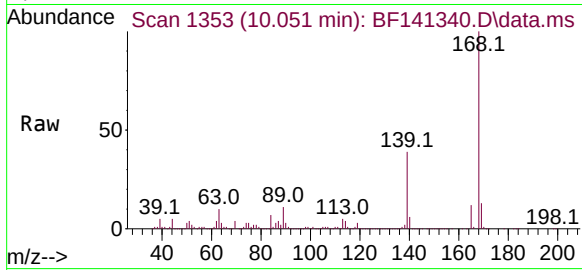
168 100

139 39.0 30.6 46.0

169 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#56

4-Nitrophenol

Concen: 72.869 ng

RT: 9.992 min Scan# 1343

Delta R.T. 0.035 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

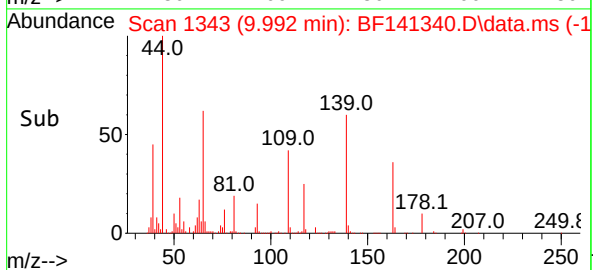
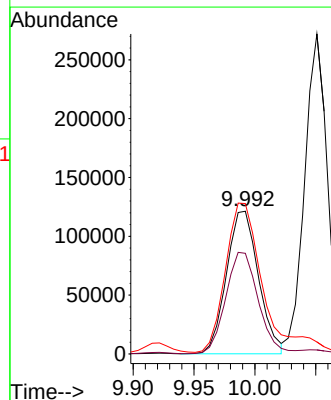
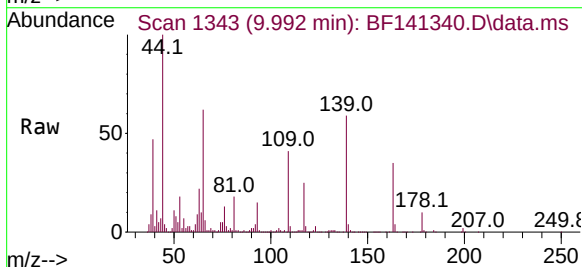
Tgt Ion:139 Resp: 222214

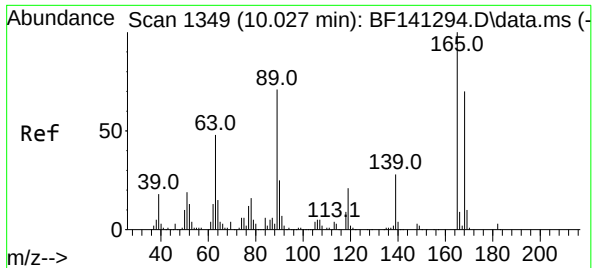
Ion Ratio Lower Upper

139 100

109 70.5 50.2 90.2

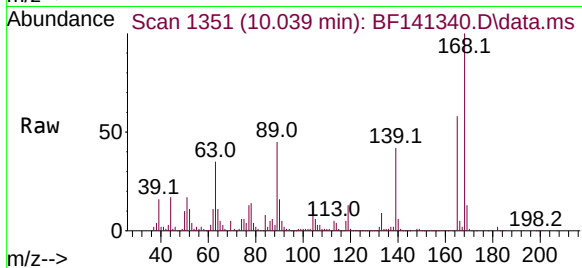
65 105.4 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.361 ng
RT: 10.039 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

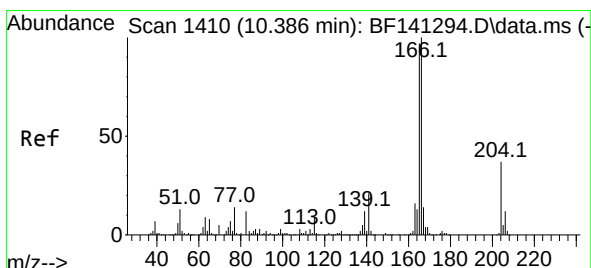
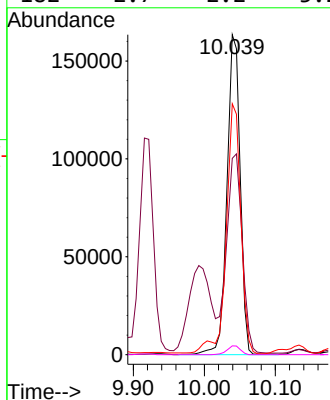
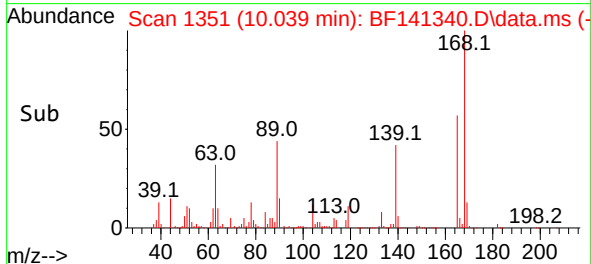
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



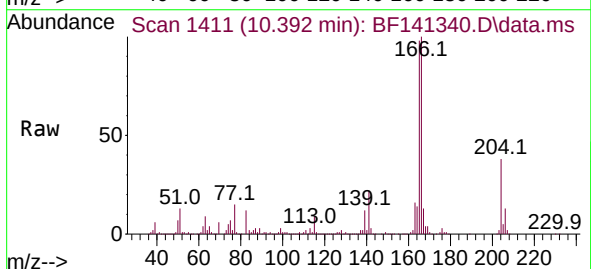
Tgt Ion:165 Resp: 21130
Ion Ratio Lower Upper
165 100
63 61.4 39.2 58.8
89 78.4 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
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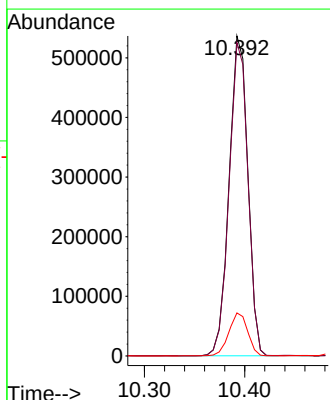
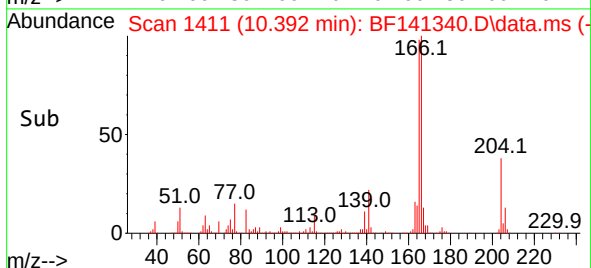
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

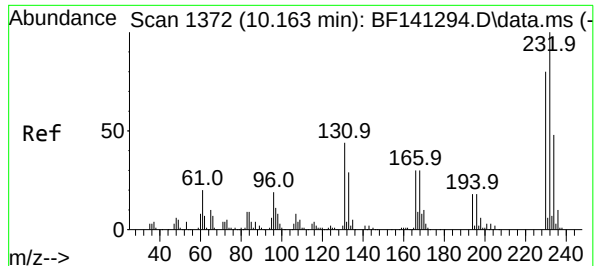


#58
Fluorene
Concen: 40.687 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



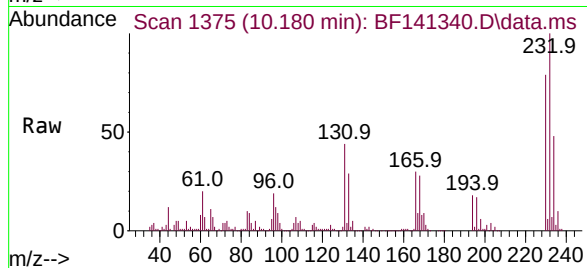
Tgt Ion:166 Resp: 696694
Ion Ratio Lower Upper
166 100
165 97.9 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.744 ng
RT: 10.180 min Scan# 1375
Delta R.T. 0.017 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

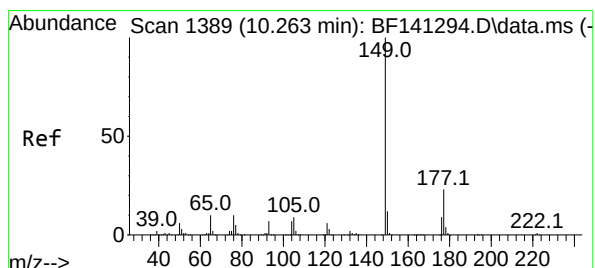
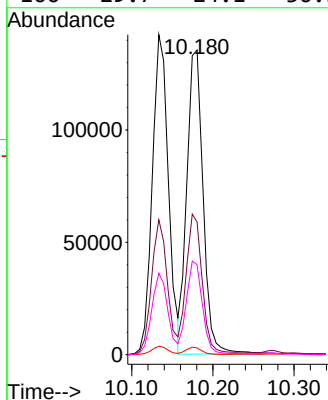
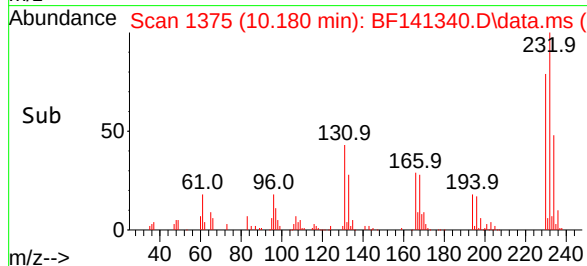
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



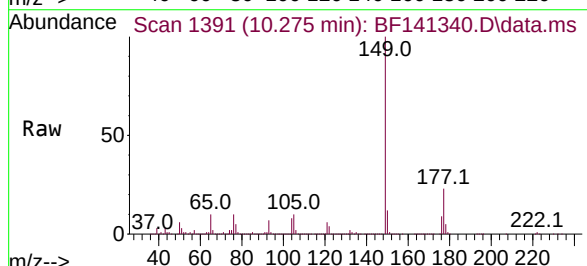
Tgt Ion:232 Resp: 189214
Ion Ratio Lower Upper
232 100
131 43.5 36.4 54.6
130 2.2 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
APPROVED

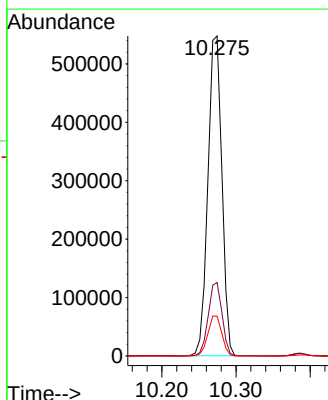
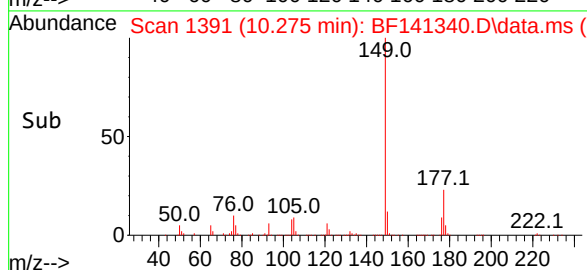
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

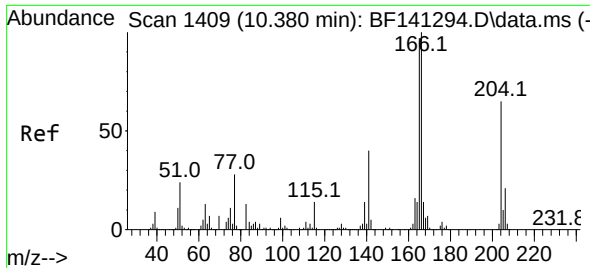


#60
Diethylphthalate
Concen: 40.427 ng
RT: 10.275 min Scan# 1391
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



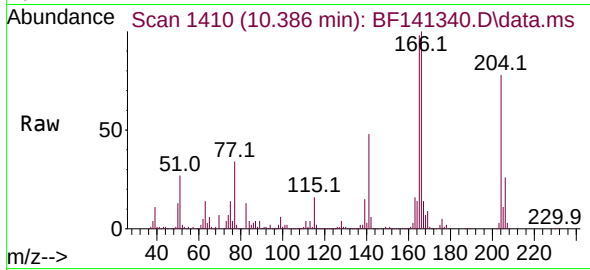
Tgt Ion:149 Resp: 718228
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 40.818 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

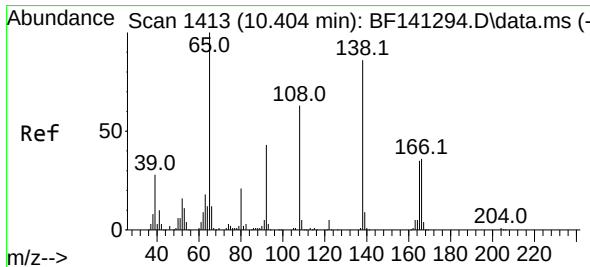
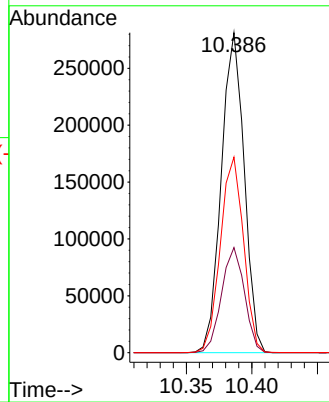
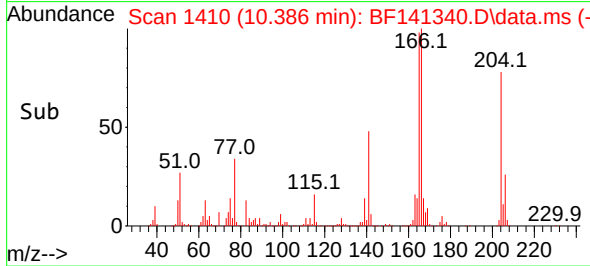
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



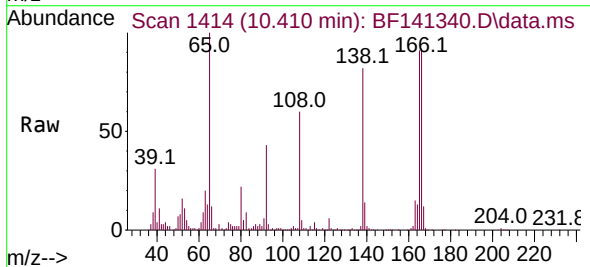
Tgt Ion: 204 Resp: 341400
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 61.1 49.5 74.3

Manual Integrations
APPROVED

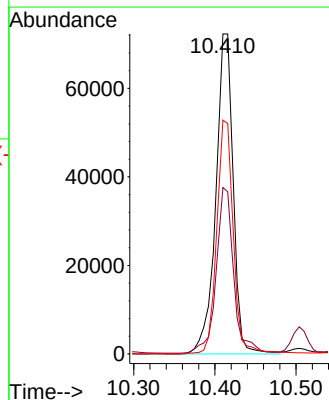
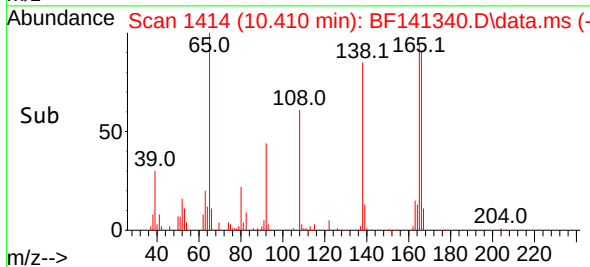
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

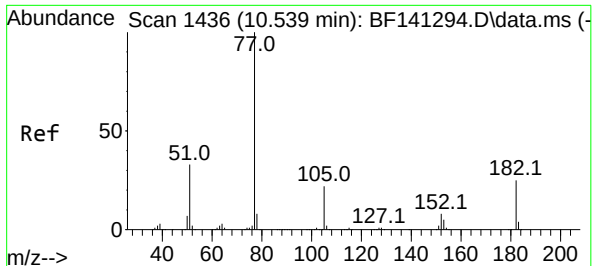


#62
4-Nitroaniline
Concen: 26.373 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



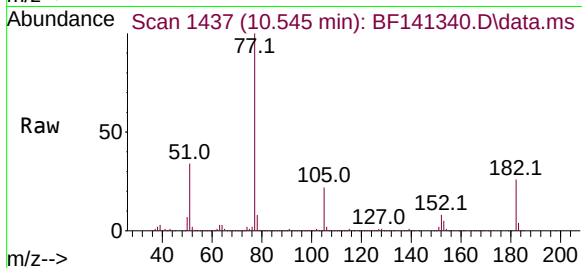
Tgt Ion: 138 Resp: 108113
Ion Ratio Lower Upper
138 100
92 52.0 30.1 70.1
108 73.1 53.1 93.1





#63
Azobenzene
Concen: 40.778 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

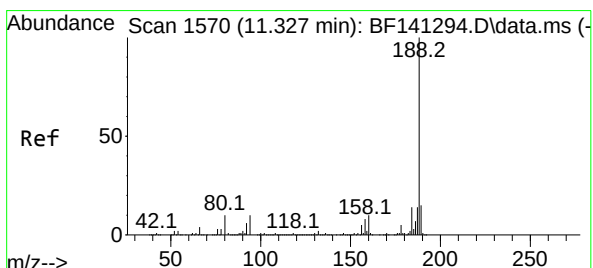
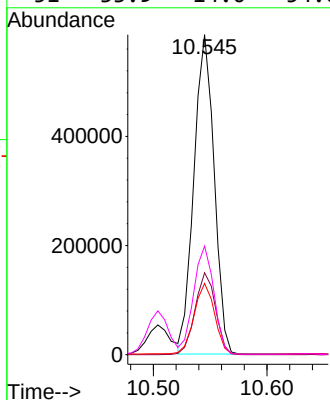
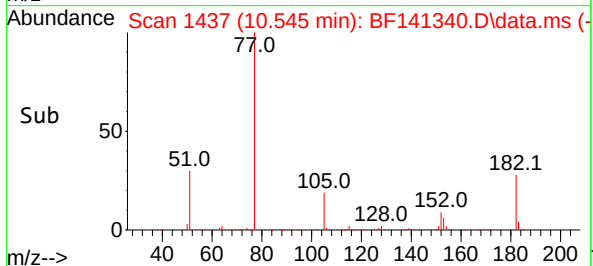
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



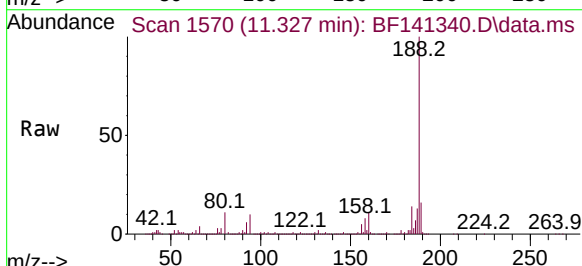
Tgt Ion: 77 Resp: 725174
Ion Ratio Lower Upper
77 100
182 25.6 5.1 45.1
105 22.2 1.8 41.8
51 33.9 14.0 54.0

Manual Integrations
APPROVED

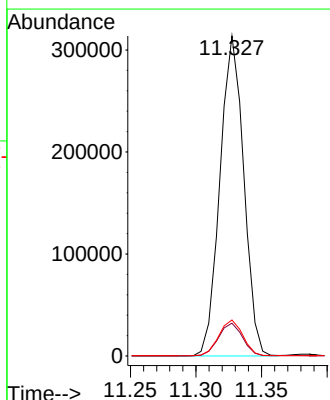
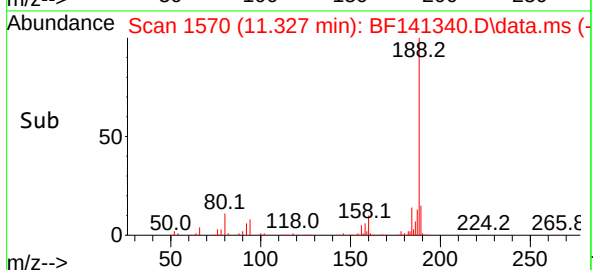
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

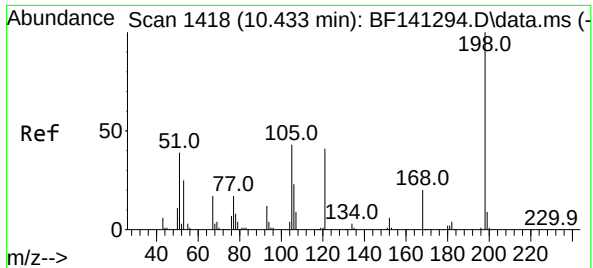


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:188 Resp: 395783
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.2 8.2 12.4





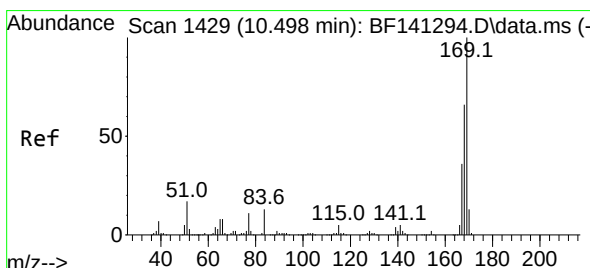
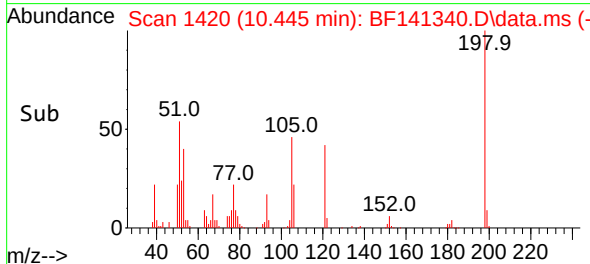
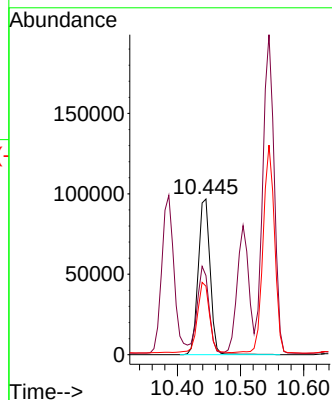
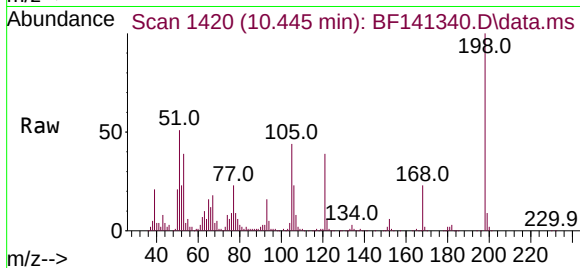
#65
4,6-Dinitro-2-methylphenol
Concen: 54.108 ng
RT: 10.445 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:198 Resp: 126669
Ion Ratio Lower Upper
198 100
51 50.8 33.4 73.4
105 43.9 24.4 64.4

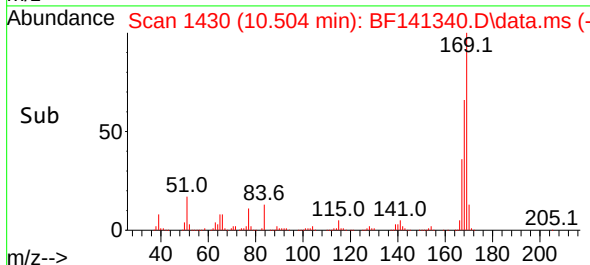
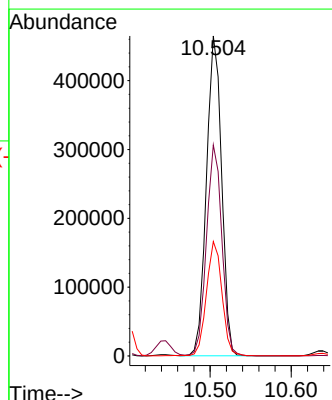
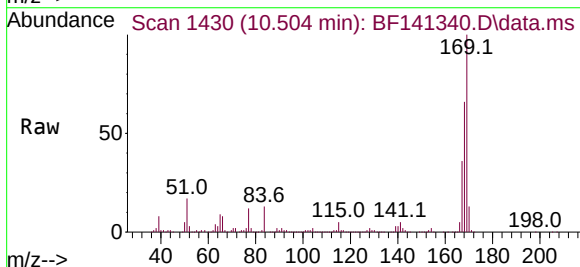
Manual Integrations
APPROVED

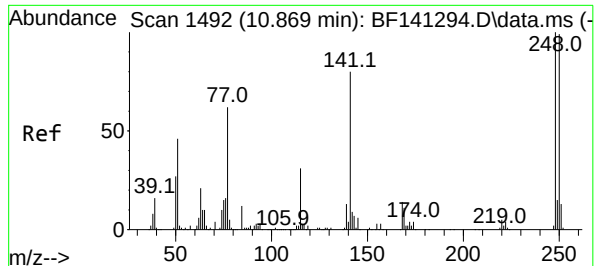
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 46.919 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

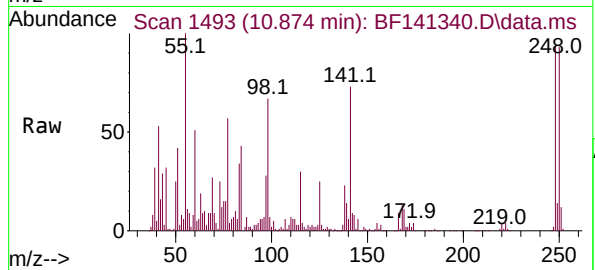
Tgt Ion:169 Resp: 600618
Ion Ratio Lower Upper
169 100
168 65.9 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 43.730 ng
RT: 10.874 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

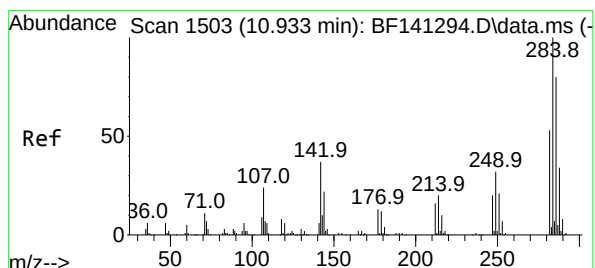
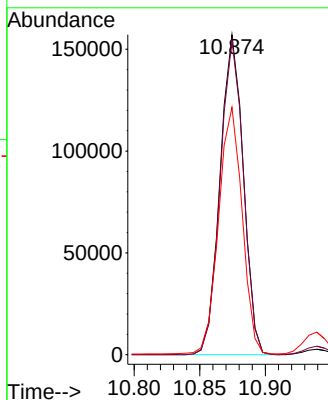
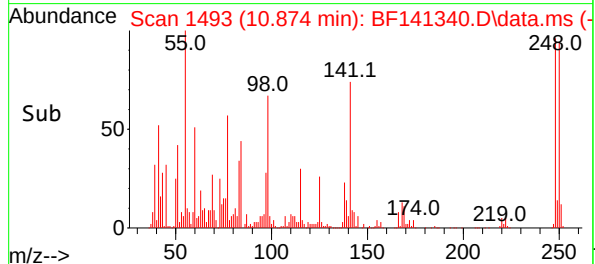
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



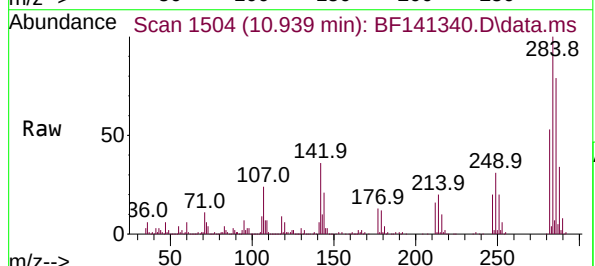
Tgt Ion:248 Resp: 193762
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.4
141 77.3 63.7 95.5

Manual Integrations
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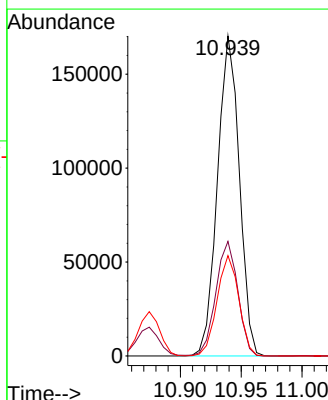
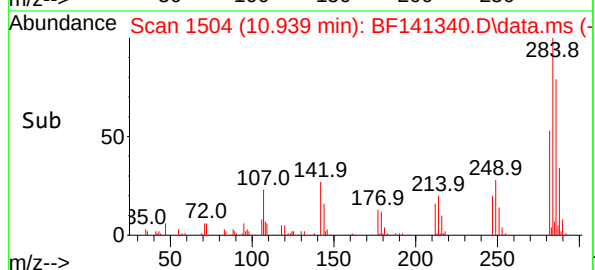
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

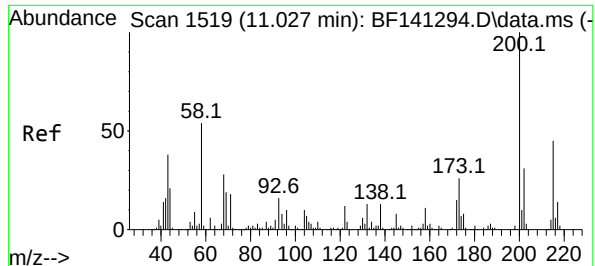


#68
Hexachlorobenzene
Concen: 45.303 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:284 Resp: 212929
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69

Atrazine

Concen: 32.088 ng

RT: 11.039 min Scan# 1521

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:200 Resp: 137330

Ion Ratio Lower Upper

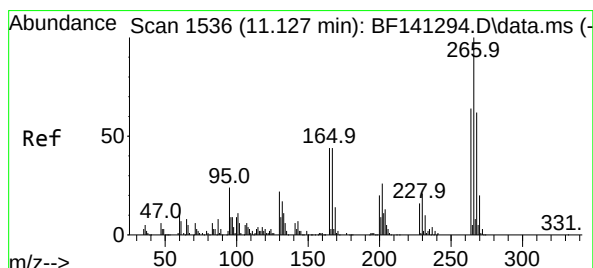
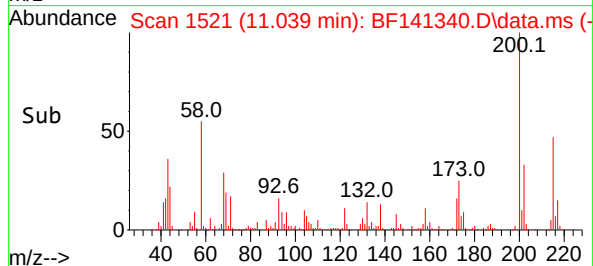
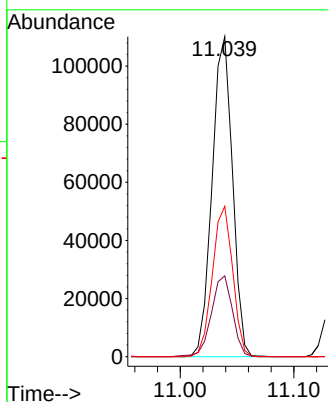
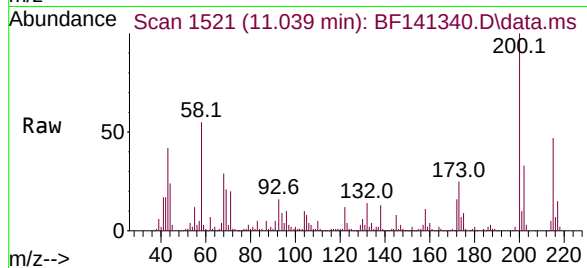
200 100

173 25.2 5.9 45.9

215 47.0 25.2 65.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 94.198 ng

RT: 11.139 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

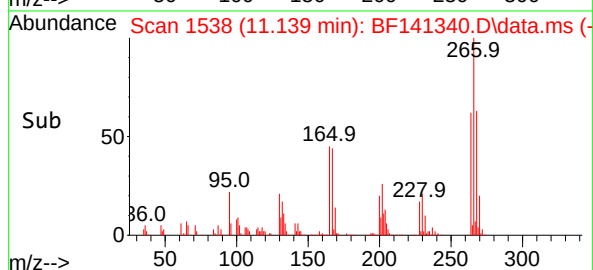
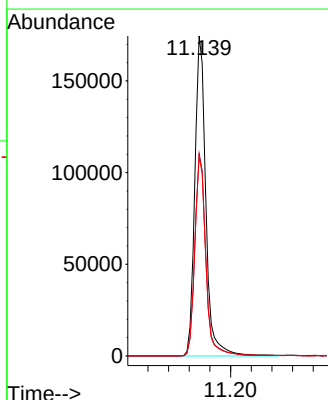
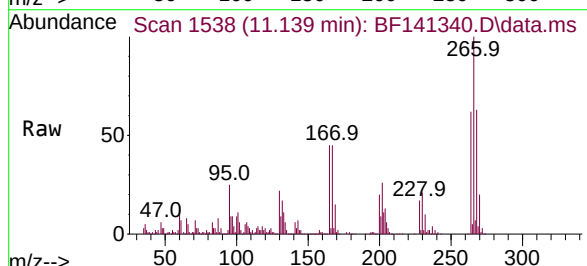
Tgt Ion:266 Resp: 259262

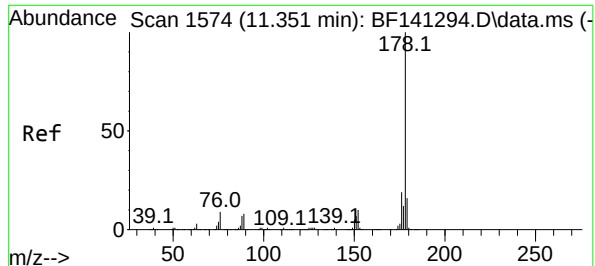
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

264 62.4 51.0 76.4





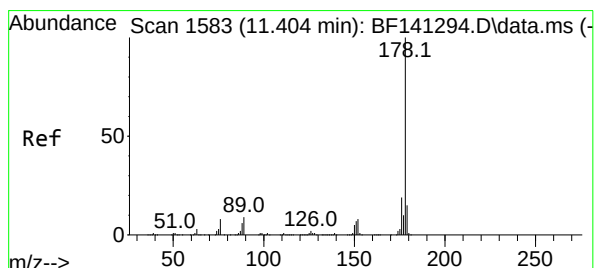
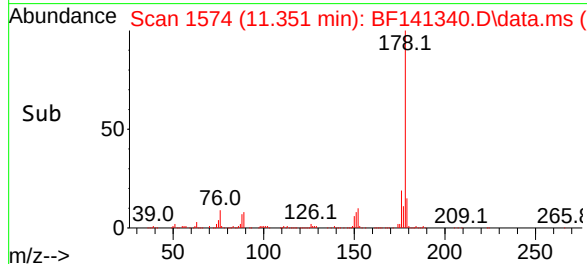
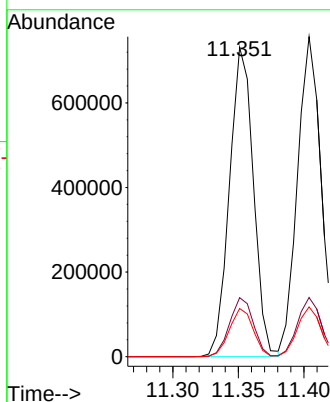
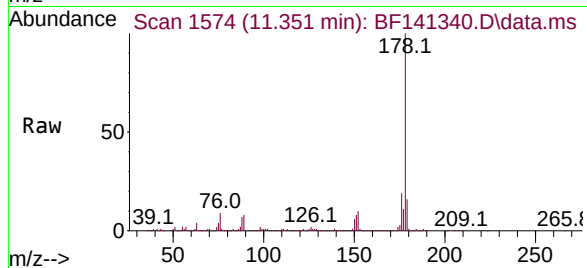
#71
Phenanthrene
Concen: 43.712 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:178 Resp: 92997
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

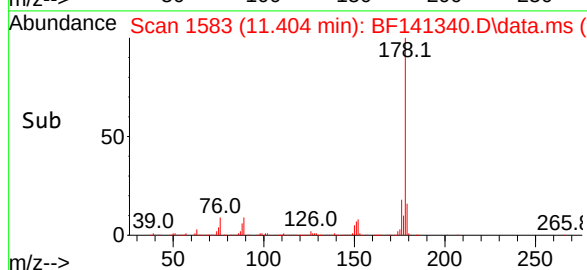
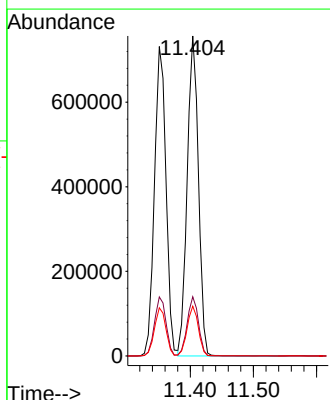
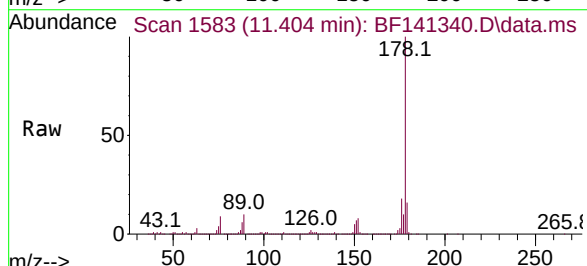
Manual Integrations
APPROVED

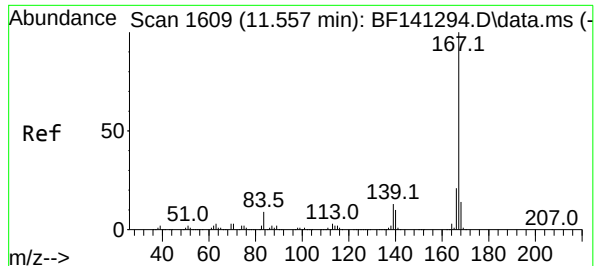
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 44.922 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

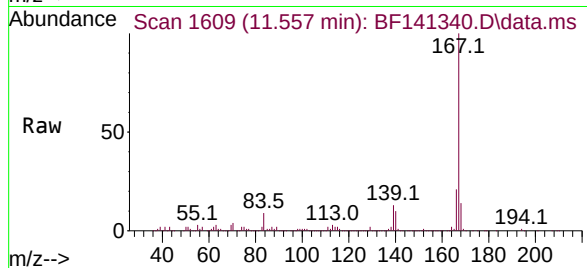
Tgt Ion:178 Resp: 936429
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 39.076 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

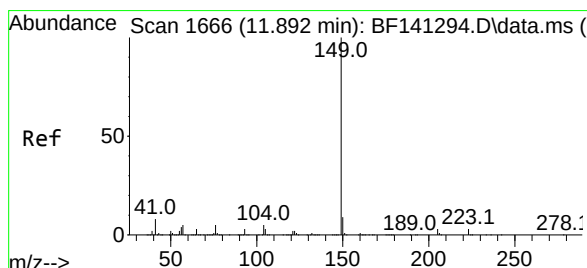
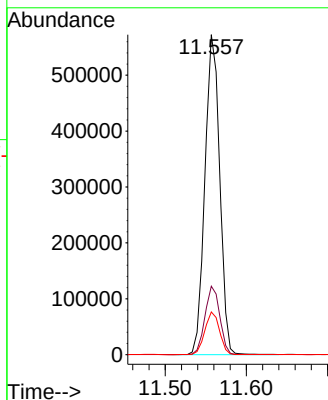
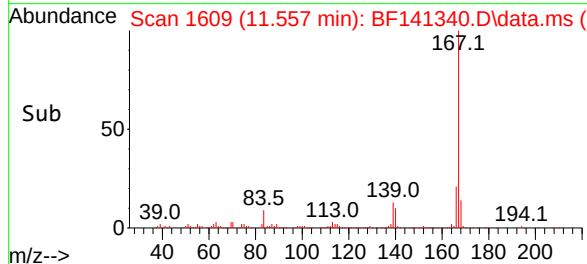
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



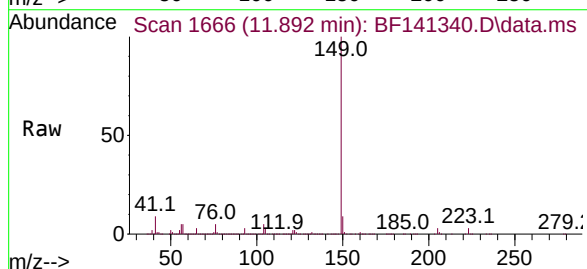
Tgt Ion:167 Resp: 722300
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 13.4 10.6 16.0

Manual Integrations
APPROVED

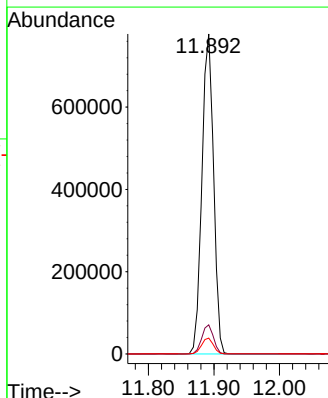
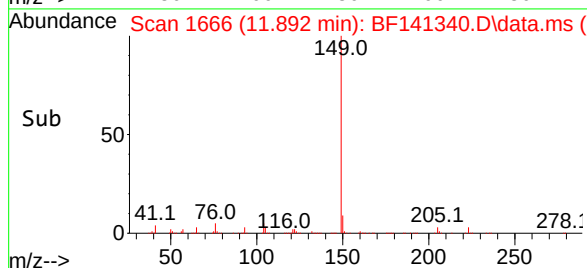
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

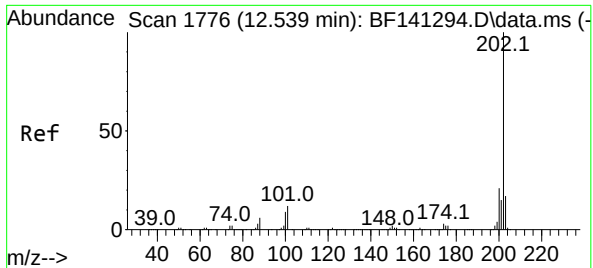


#74
Di-n-butylphthalate
Concen: 42.948 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



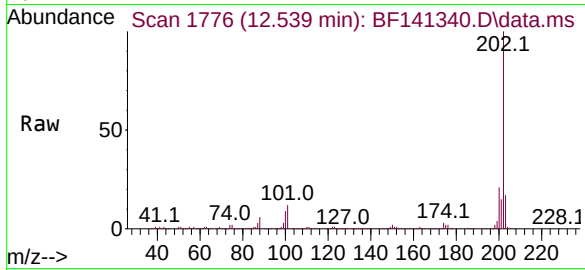
Tgt Ion:149 Resp: 962080
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 39.883 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

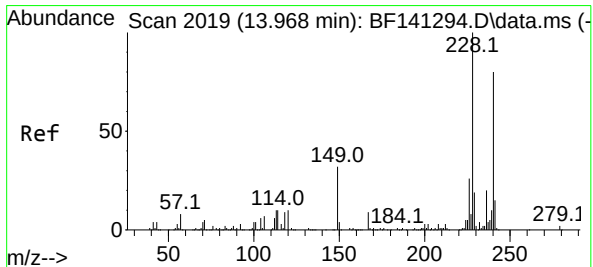
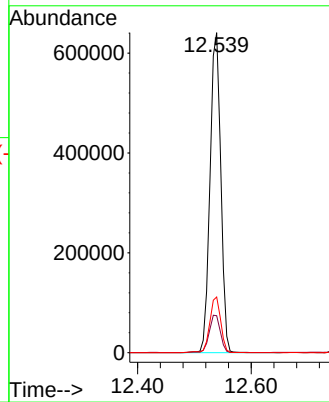
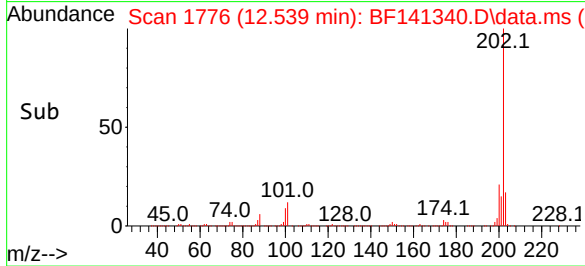
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:202 Resp: 83780
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.4 0.0 37.5

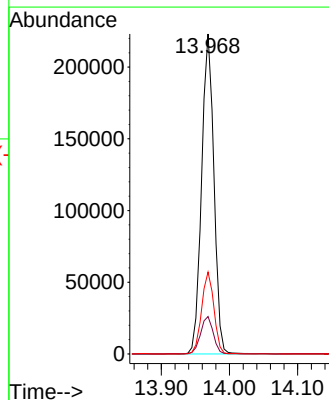
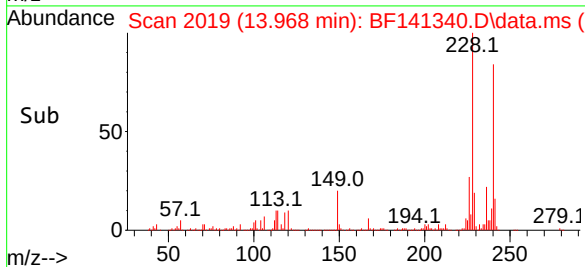
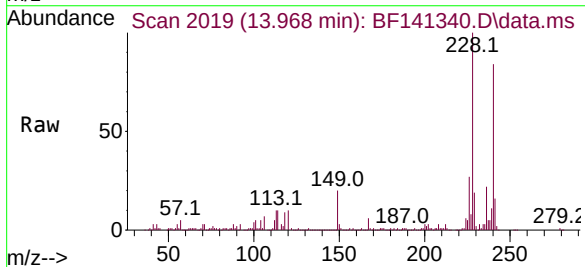
Manual Integrations
APPROVED

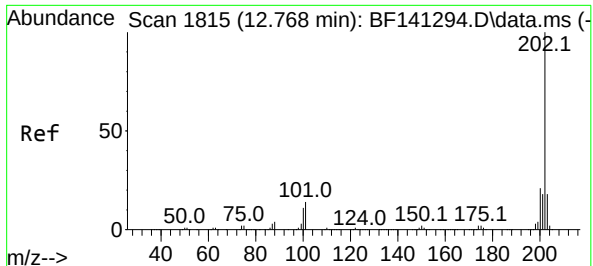
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:240 Resp: 279691
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.6 19.7 29.5





#78

Pyrene

Concen: 31.437 ng

RT: 12.768 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:202 Resp: 84401

Ion Ratio Lower Upper

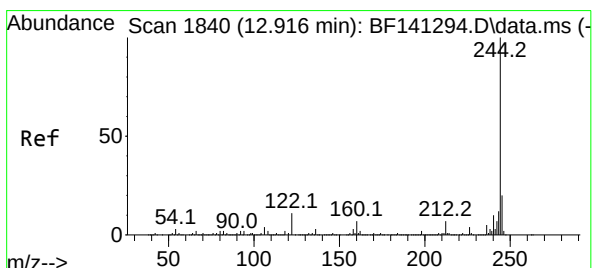
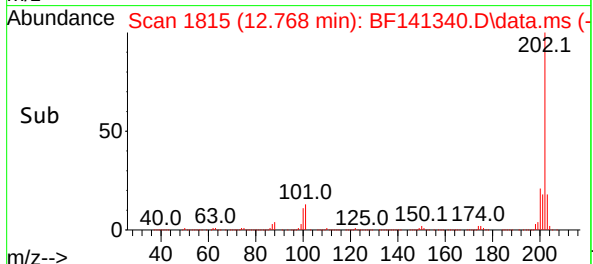
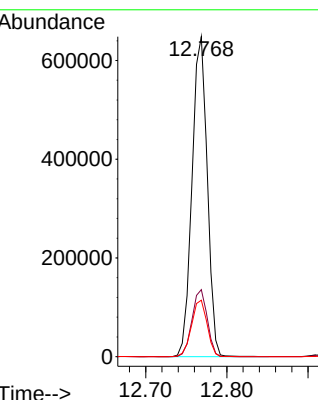
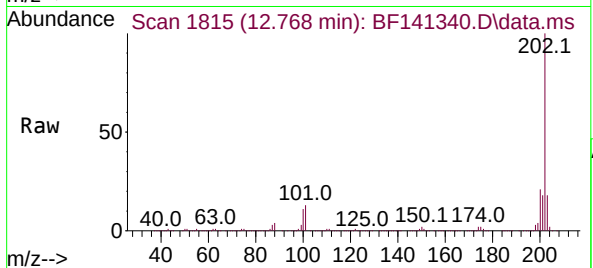
202 100

200 21.0 17.0 25.4

203 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#79

Terphenyl-d14

Concen: 68.245 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

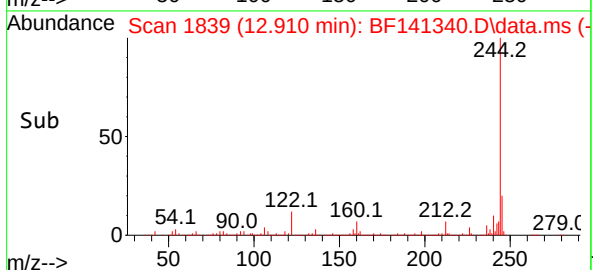
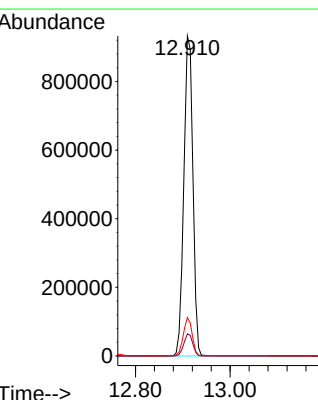
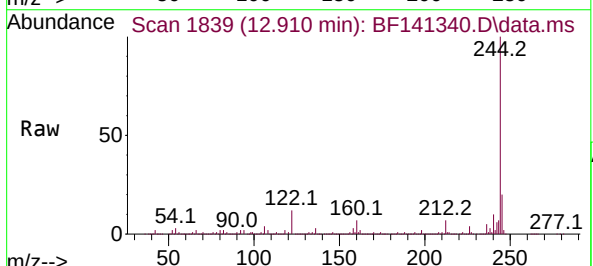
Tgt Ion:244 Resp: 1237686

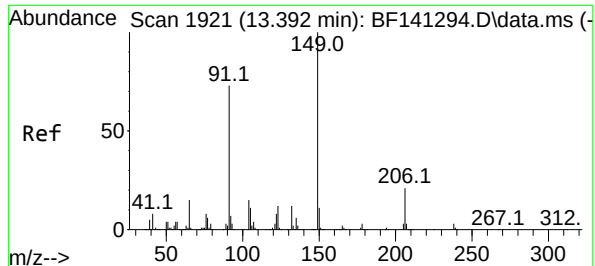
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 12.0 8.8 13.2





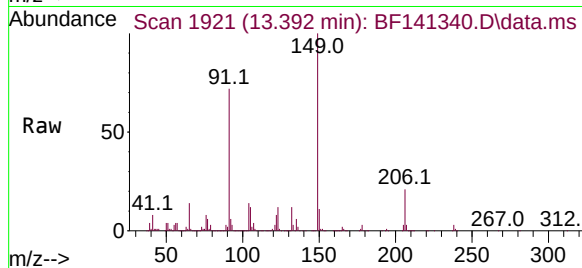
#80
Butylbenzylphthalate
Concen: 37.995 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

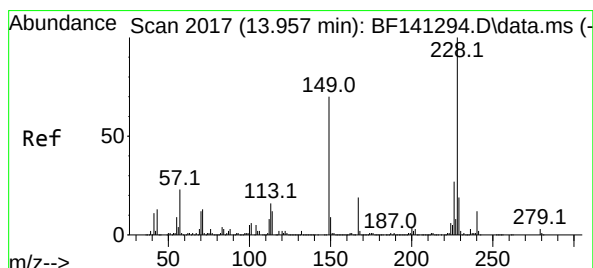
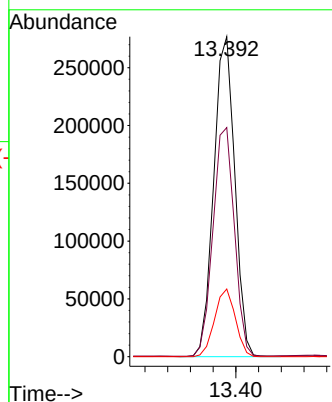
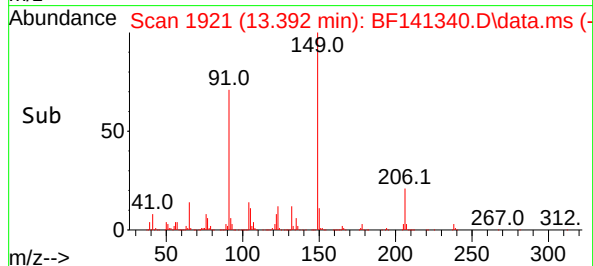
BELL-25-002MSD



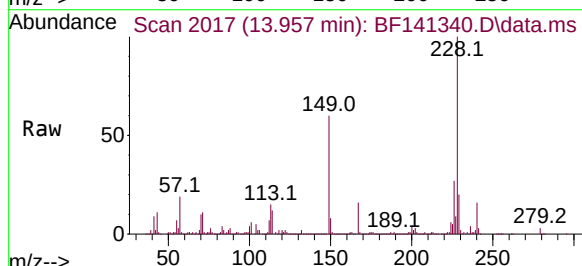
Tgt Ion:149 Resp: 35637
Ion Ratio Lower Upper
149 100
91 71.6 58.6 87.8
206 21.2 16.7 25.1

Manual Integrations
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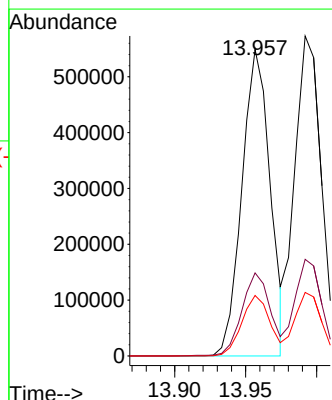
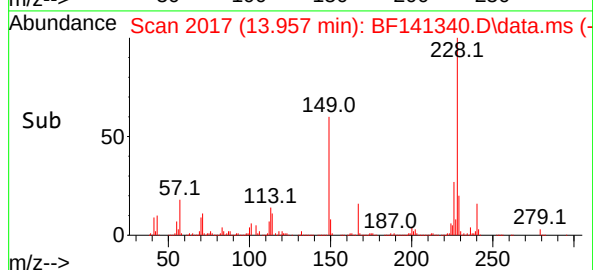
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

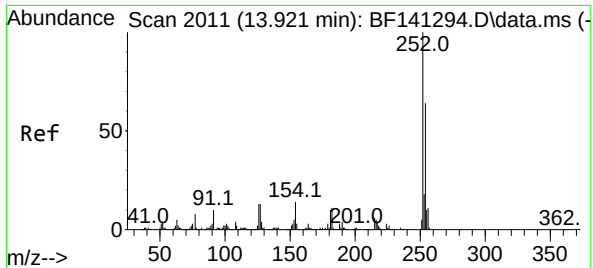


#81
Benzo(a)anthracene
Concen: 39.218 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



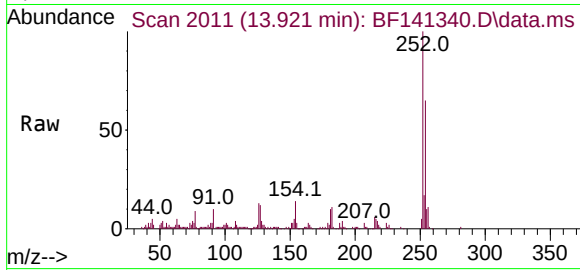
Tgt Ion:228 Resp: 756912
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.7 15.5 23.3





#82
3,3'-Dichlorobenzidine
Concen: 15.050 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

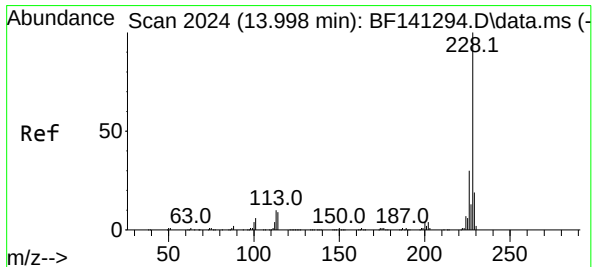
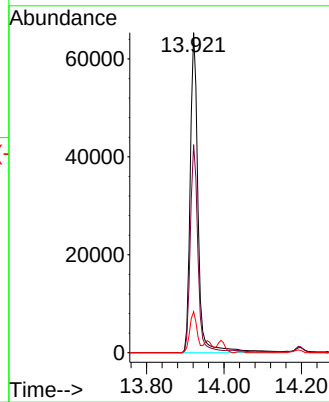
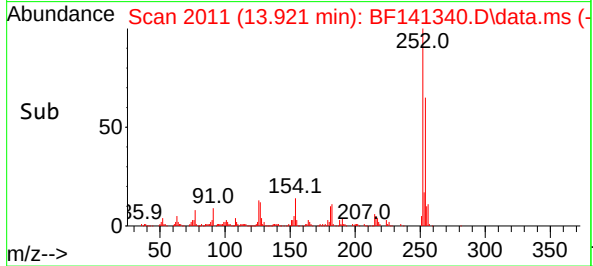
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:252 Resp: 9238
Ion Ratio Lower Upper
252 100
254 65.0 51.3 76.9
126 12.8 10.0 15.0

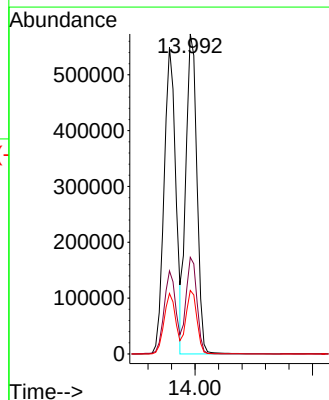
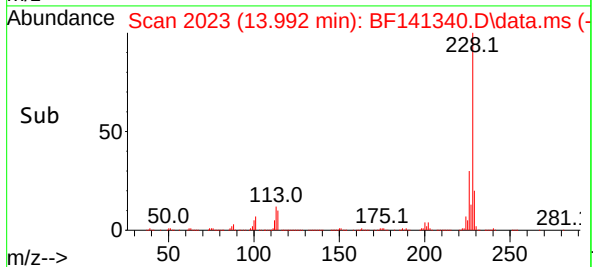
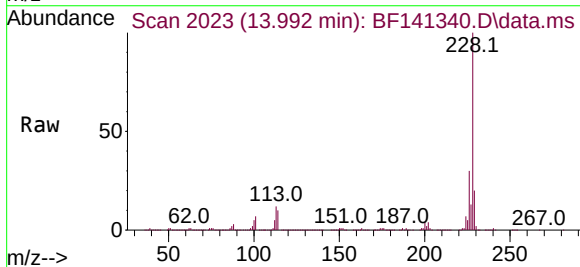
Manual Integrations
APPROVED

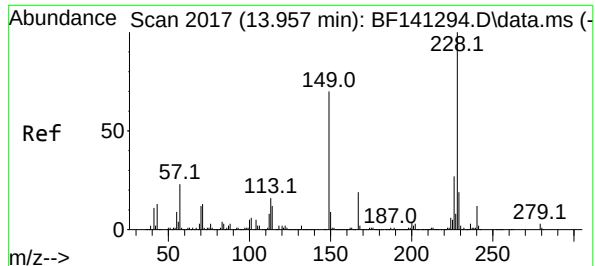
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#83
Chrysene
Concen: 42.095 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

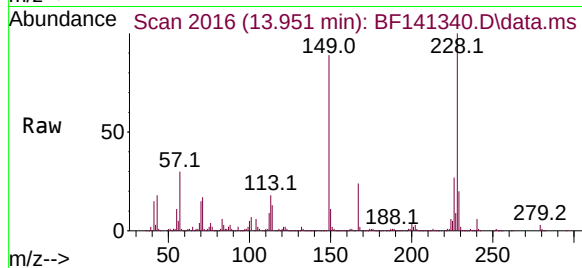
Tgt Ion:228 Resp: 744577
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 19.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 40.723 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

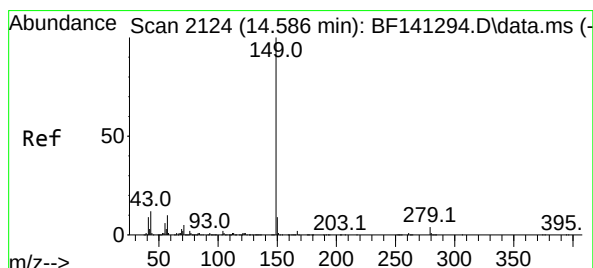
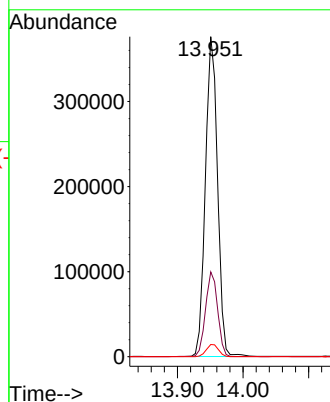
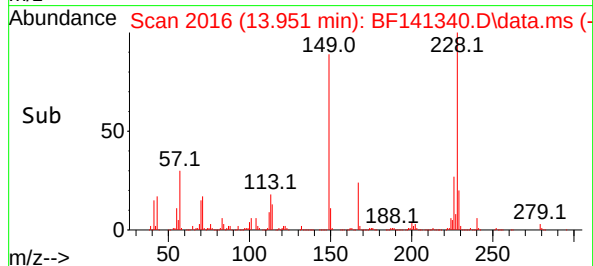
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



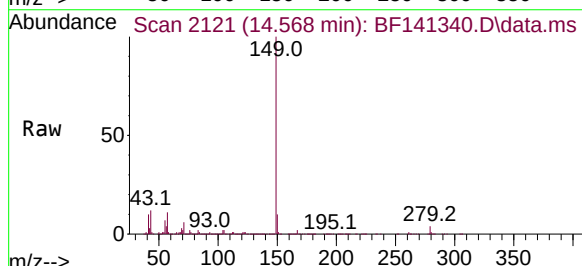
Tgt Ion:149 Resp: 484530
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 3.8 3.3 4.9

Manual Integrations
APPROVED

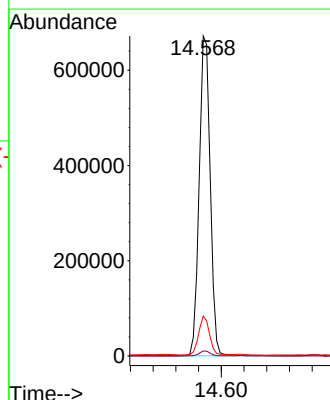
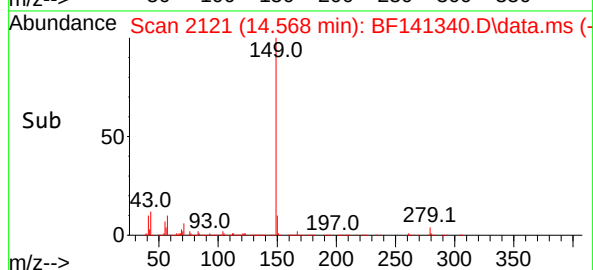
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

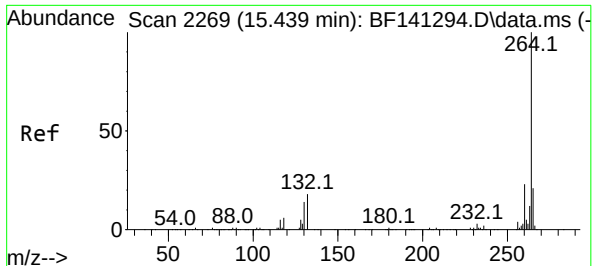


#85
Di-n-octyl phthalate
Concen: 49.152 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:149 Resp: 908345
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:264 Resp: 31276

Ion Ratio Lower Upper

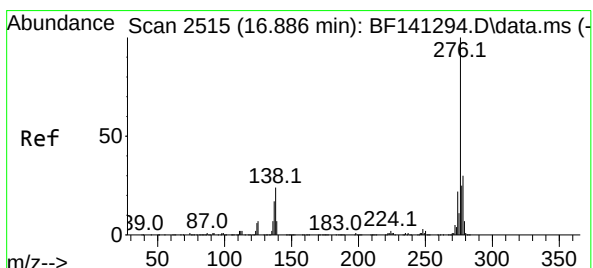
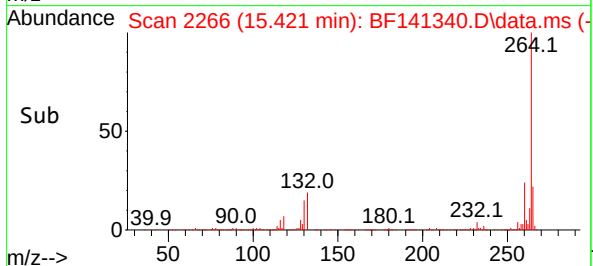
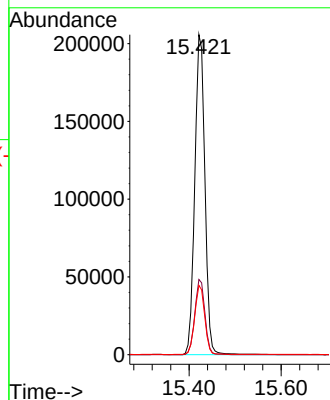
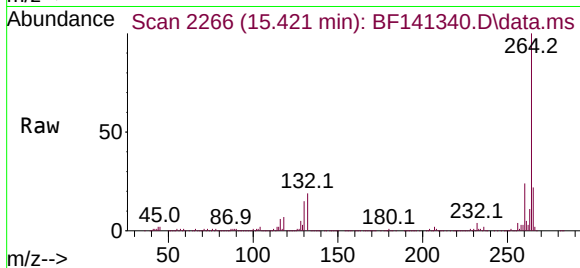
264 100

260 23.5 18.6 27.8

265 21.7 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#87

Indeno(1,2,3-cd)pyrene

Concen: 38.276 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.024 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

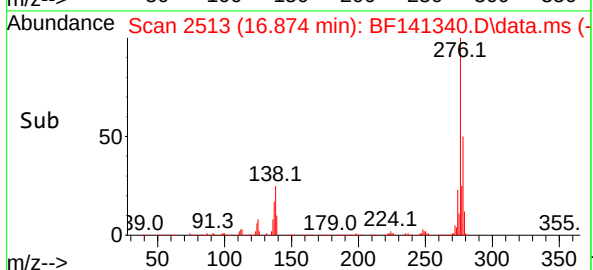
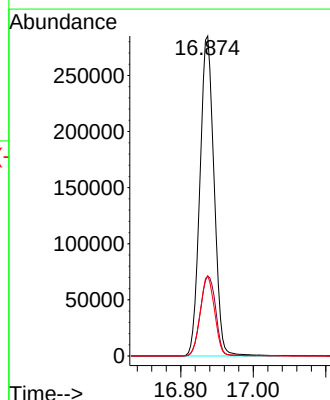
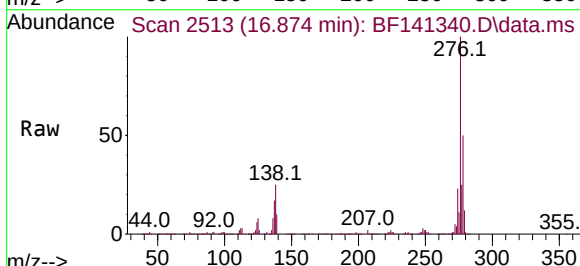
Tgt Ion:276 Resp: 772651

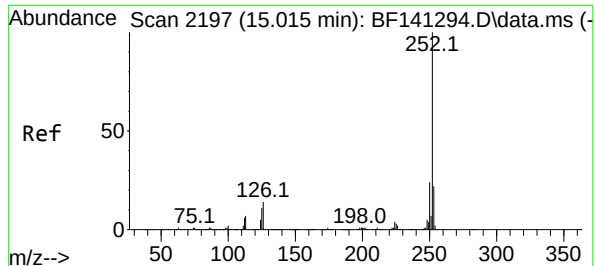
Ion Ratio Lower Upper

276 100

138 26.9 21.7 32.5

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 46.793 ng

RT: 15.004 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:252 Resp: 92058

Ion Ratio Lower Upper

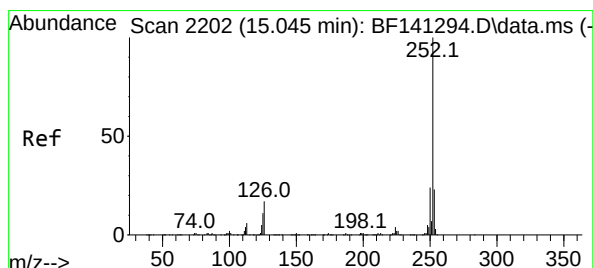
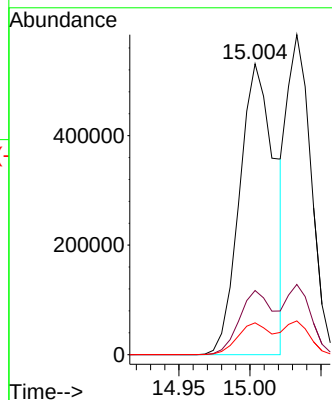
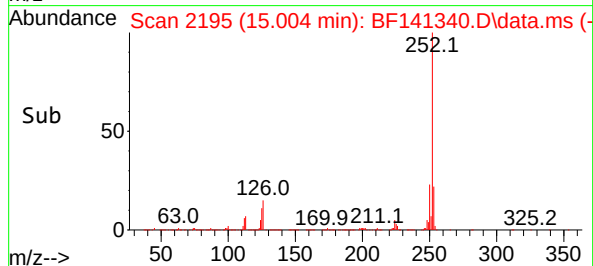
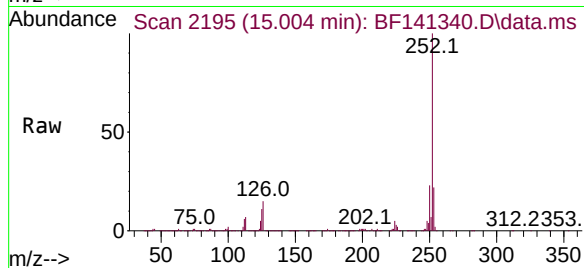
252 100

253 22.1 17.4 26.2

125 11.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#89

Benzo(k)fluoranthene

Concen: 39.853 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

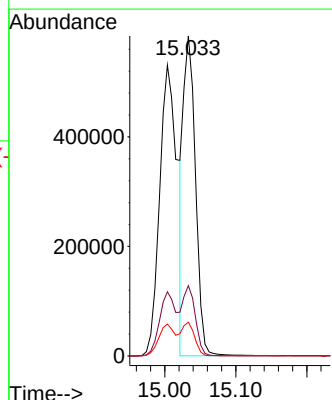
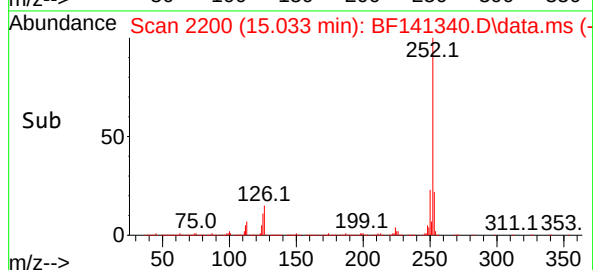
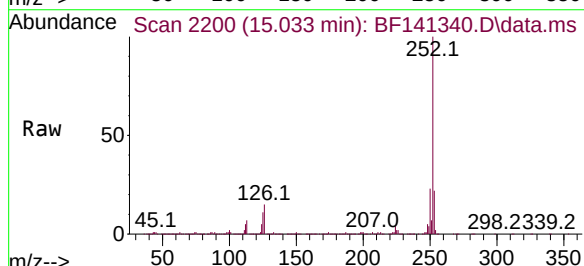
Tgt Ion:252 Resp: 694577

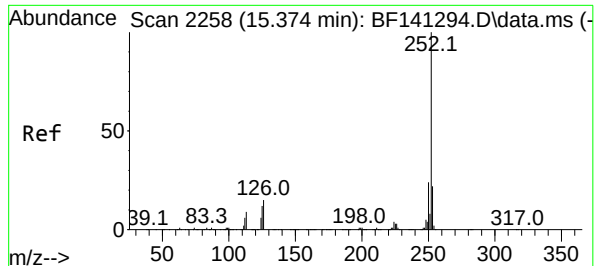
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

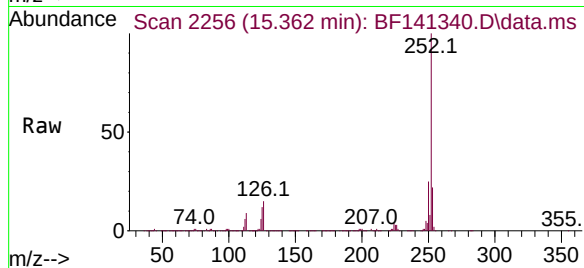
125 10.6 8.4 12.6





#90
Benzo(a)pyrene
Concen: 45.348 ng
RT: 15.362 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

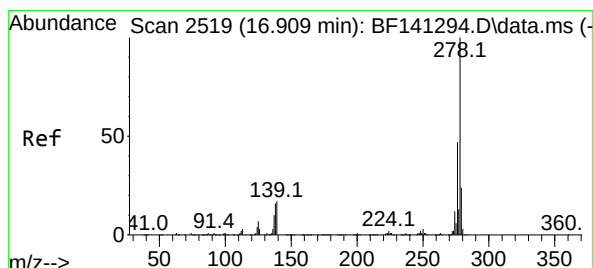
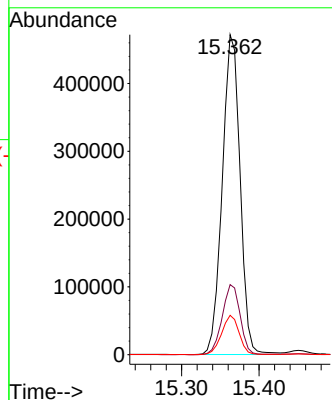
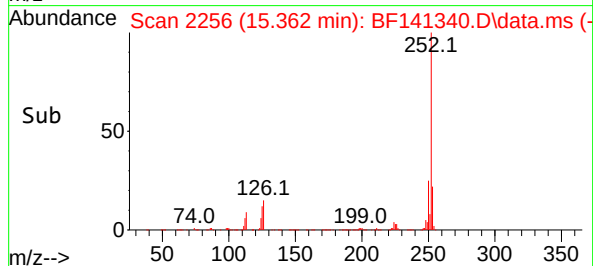
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



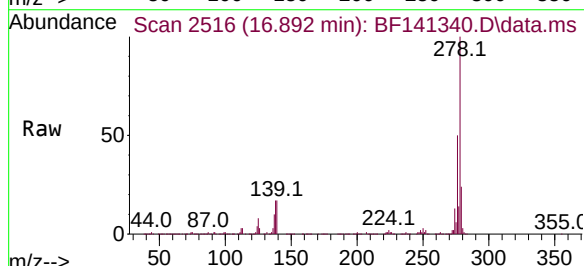
Tgt Ion:252 Resp: 75391
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 12.3 9.4 14.2

Manual Integrations
APPROVED

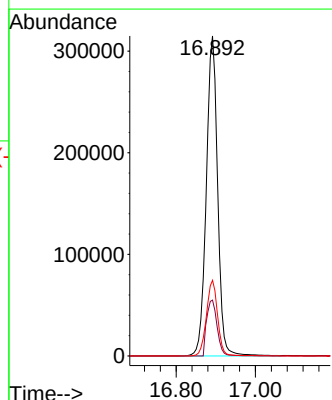
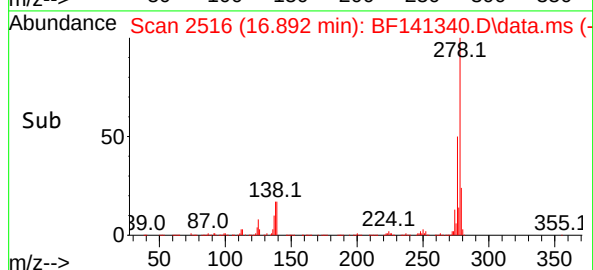
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

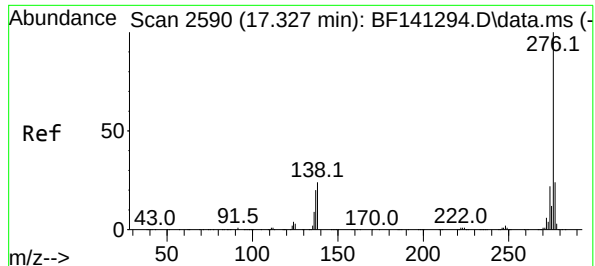


#91
Dibenzo(a,h)anthracene
Concen: 38.631 ng
RT: 16.892 min Scan# 2516
Delta R.T. -0.030 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:278 Resp: 627391
Ion Ratio Lower Upper
278 100
139 17.4 13.9 20.9
279 23.6 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 33.950 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.035 min

Lab File: BF141340.D

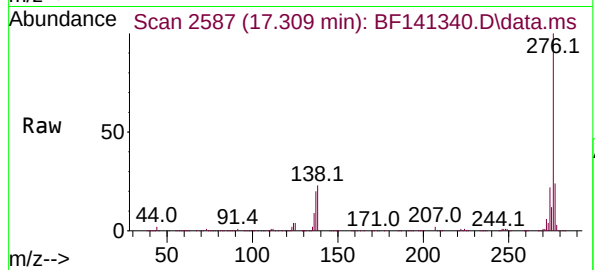
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:276 Resp: 573319

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

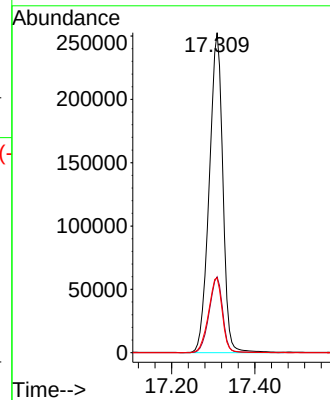
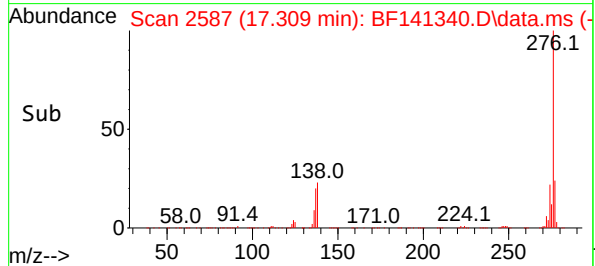
138 23.4 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	1,4-Dioxane	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	Acenaphthene	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	Benzoic acid	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	1,4-Dioxane	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	Acenaphthene	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	Benzoic acid	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf020425	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	Acenaphthene	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	Caprolactam	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12649,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM
SubDirectory	BF020625	HP Acquire Method	BNA_F
		HP Processing Method	bf020625
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12650,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM
SubDirectory	BF012925	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12650,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-5.1.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM
SubDirectory	BF020625	HP Acquire Method	BNA_F
		HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12650,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 114771

Start Prep Date : 01/30/2025 Time : 14:00
End Prep Date : 01/31/2025 Time : 07:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *JB*
Supervisor By : *12*

Standard Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. p1235-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25 09:45	<i>JB</i> / TCLP Room	<i>SLG.</i> & <i>TEL</i>
	Preparation Group	Analysis Group <i>laet n'y</i>

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB166356TB	LEB356	N/A	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1215-04	JPP-29.1-012825	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q1215-08	JPP-29.2-012825	02	100.03	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-04	JPP-18.1-012825	03	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-08	JPP-21.1-012825	04	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-12	JPP-21.2-012825	05	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-16	JPP-26.1-012825	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1216-20	JPP-26.2-012825	07	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1218-02	BELL-25-002	08	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1219-02	LAW-25-0015	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1221-02	CHESTNUT-CONCRETE	10	100.03	2000	N/A	N/A	N/A	10.5	1.5	T-1
Q1232-04	JPP-46.2-012925	11	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1232-08	JPP-46.1-012925	12	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1232-12	JPP-42.1-012925	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1232-16	JPP-42.2-012925	14	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1232-20	JPP-51.1-012925	15	100.01	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q1235-04	JPP-51.2-012925	16	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1235-08	JPP-16.1-012925	17	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166356TB	LEB356	N/A	N/A	N/A	N/A	N/A	N/A
Q1215-04	JPP-29.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1215-08	JPP-29.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-04	JPP-18.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-08	JPP-21.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-12	JPP-21.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-16	JPP-26.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-20	JPP-26.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1218-02	BELL-25-002	N/A	N/A	N/A	N/A	100	N/A
Q1219-02	LAW-25-0015	N/A	N/A	N/A	N/A	100	N/A
Q1221-02	CHESTNUT-CONCRETE	N/A	N/A	N/A	N/A	100	N/A
Q1232-04	JPP-46.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-08	JPP-46.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-12	JPP-42.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-16	JPP-42.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-20	JPP-51.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1235-04	JPP-51.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1235-08	JPP-16.1-012925	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB166356TB	LEB356	N/A	N/A	N/A	N/A	#1	4.94
Q1215-04	JPP-29.1-012825	5.02	96.5	8.2	3.5	#1	4.94
Q1215-08	JPP-29.2-012825	5.03	96.5	9.0	4.0	#1	4.94
Q1216-04	JPP-18.1-012825	5.02	96.5	8.6	3.5	#1	4.94
Q1216-08	JPP-21.1-012825	5.01	96.5	9.0	4.0	#1	4.94
Q1216-12	JPP-21.2-012825	5.02	96.5	9.1	4.0	#1	4.94
Q1216-16	JPP-26.1-012825	5.00	96.5	8.6	3.5	#1	4.94
Q1216-20	JPP-26.2-012825	5.03	96.5	9.3	4.0	#1	4.94
Q1218-02	BELL-25-002	5.04	96.5	5.6	2.0	#1	4.94
Q1219-02	LAW-25-0015	5.03	96.5	5.5	2.5	#1	4.94
Q1221-02	CHESTNUT-CONCRETE	5.04	96.5	11.0	4.5	#1	4.94
Q1232-04	JPP-46.2-012925	5.02	96.5	7.2	2.5	#1	4.94
Q1232-08	JPP-46.1-012925	5.01	96.5	10.5	3.5	#1	4.94
Q1232-12	JPP-42.1-012925	5.02	96.5	11.5	4.5	#1	4.94
Q1232-16	JPP-42.2-012925	5.00	96.5	10.0	4.0	#1	4.94
Q1232-20	JPP-51.1-012925	5.03	96.5	9.1	3.5	#1	4.94
Q1235-04	JPP-51.2-012925	5.04	96.5	11.5	4.5	#1	4.94
Q1235-08	JPP-16.1-012925	5.05	96.5	10.5	4.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1221

WorkList ID : 187275

Department : TCLP Extraction

Date : 01-30-2025 08:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-04	JPP-29.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1215-08	JPP-29.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-04	JPP-18.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-08	JPP-21.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-12	JPP-21.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-16	JPP-26.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-20	JPP-26.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1218-02	BELL-25-002	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1219-02	LAW-25-0015	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1221-02	CHESTNUT-CONCRETE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1232-04	JPP-46.2-012925	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1232-08	JPP-46.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-12	JPP-42.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-16	JPP-42.2-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-20	JPP-51.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1235-04	JPP-51.2-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1235-08	JPP-16.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311

Date/Time 01/30/25 12:30
 Raw Sample Received by: SD WPC
 Raw Sample Relinquished by: AP SM

Date/Time 01/30/25

Raw Sample Received by: AP SM

Raw Sample Relinquished by: SD WPC

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix: Water

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date: 01/31/2025

Extraction Start Time: 10:29

Extraction End Date: 01/31/2025

Extraction End Time: 15:30

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	EP2578
Baked Na2SO4	N/A	EP2580
10N NaOH	N/A	E3874
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673. pH Adjusted <2 with 1:1 H2SO4 & >11 with 10N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (Ext. Lab)	RC/SVOC
15:35	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166356TB	PB166356TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-01
PB166426BL	PB166426BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB166426BS	PB166426BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1215-04	JPP-29.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1215-08	JPP-29.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1216-04	JPP-18.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1216-08	JPP-21.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1216-12	JPP-21.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1216-16	JPP-26.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1216-20	JPP-26.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1218-02	BELL-25-002	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1218-02MS	BELL-25-002MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1218-02MS D	BELL-25-002MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1219-02	LAW-25-0015	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1221-02	CHESTNUT-CONCRETE	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1232-04	JPP-46.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1232-08	JPP-46.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		SEP-01
Q1232-12	JPP-42.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		2
Q1232-16	JPP-42.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		3
Q1232-20	JPP-51.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1235-04	JPP-51.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1235-08	JPP-16.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		6

* Extracts relinquished on the same date as received.

1/31/25

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr
PB166356TB	LEB356	N/A	N/A	2000	N/A	N/A	N/A	4.94	1.0	1
Q1215-04	JPP-29.1-012825	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	2
Q1215-08	JPP-29.2-012825	02	100.03	2000	N/A	N/A	N/A	7.2	1.0	3
Q1216-04	JPP-18.1-012825	03	100.02	2000	N/A	N/A	N/A	7.0	1.5	4
Q1216-08	JPP-21.1-012825	04	100.01	2000	N/A	N/A	N/A	7.2	1.0	5
Q1216-12	JPP-21.2-012825	05	100.02	2000	N/A	N/A	N/A	7.0	1.5	6
Q1216-16	JPP-26.1-012825	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	7
Q1216-20	JPP-26.2-012825	07	100.04	2000	N/A	N/A	N/A	7.2	1.0	8
Q1218-02	BELL-25-002	08	100.02	2000	N/A	N/A	N/A	3.0	1.5	9
Q1219-02	LAW-25-0015	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	10
Q1221-02	CHESTNUT-CONCRETE	10	100.03	2000	N/A	N/A	N/A	10.5	1.5	11
Q1232-04	JPP-46.2-012925	11	100.04	2000	N/A	N/A	N/A	5.8	1.0	12
Q1232-08	JPP-46.1-012925	12	100.02	2000	N/A	N/A	N/A	7.6	1.5	13
Q1232-12	JPP-42.1-012925	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	14
Q1232-16	JPP-42.2-012925	14	100.02	2000	N/A	N/A	N/A	7.2	1.5	15
Q1232-20	JPP-51.1-012925	15	100.01	2000	N/A	N/A	N/A	7.0	1.0	16
Q1235-04	JPP-51.2-012925	16	100.03	2000	N/A	N/A	N/A	7.6	1.5	17
Q1235-08	JPP-16.1-012925	17	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

04/31/25
091-45

Prep Standard - Chemical Standard Summary

Order ID : Q1216

Test : TCLP BNA

Prepbatch ID : PB166426,

Sequence ID/Qc Batch ID: BF013125,bf020325,BF020425,BF020525,BF020625,

Standard ID :

EP2565,EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6717,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :

10ul/1000ul

sample,E3551,E3815,E3827,E3828,E3846,E3848,E3871,E3874,S10103,S10104,S10246,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11087,S11093,S11099,S11103,S11138,S11141,S11160,S11161,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12270,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12649,S12650,S12790,S12791,W3112,

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>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2578	01/06/2025	06/18/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

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>
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 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>
3764	8270/625 Stock solution 100 ng	SP6672	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6673	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = 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>
412	60 ng BNA ICC, 60 PPM	SP6674	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = 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>
411	50 ng BNA ICC, 50 PPM	SP6675	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = 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>
410	40 ng BNA ICC, 40 PPM	SP6676	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = 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>
3678	20 ng BNA ICC, 20 PPM	SP6677	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = 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>
408	10 ng BNA ICC, 10 PPM	SP6678	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
12/27/2024								

FROM 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = 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>
407	5 ng BNA ICC, 5 PPM	SP6679	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
12/27/2024								

FROM 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = 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>
175	2.5 ng BNA ICC, 2.5 PPM	SP6680	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = 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	SP6681	11/14/2024	02/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/18/2024

FROM 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel
(8270/825/CLP) FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel
FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = 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>
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel
								01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = 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>
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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>
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = 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>
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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>
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = 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>
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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>
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = 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>
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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>
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

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)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

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)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

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)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 / Rahul	04/05/2022 / william	M5173

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	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

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	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

CHEMICAL RECEIPT LOG BOOK

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]	A0185300	03/13/2025	09/13/2024 / yogesh	05/18/2022 / Christian	S10393

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]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

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	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

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	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

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	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

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	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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)	406703	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

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)	406703	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11086

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)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

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	495831	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11099

CHEMICAL RECEIPT LOG BOOK

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	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

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]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

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]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	05/12/2025	11/12/2024 / Jagrut	03/06/2023 / Christian	S11160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

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	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

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	03/13/2025	09/13/2024 / anahy	11/09/2023 / Yogesh	S11649

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	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11776

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11777

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11778

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11779

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	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11780

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)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

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	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

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	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12134

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12135

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12136

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12137

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12138

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12139

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12140

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12141

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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

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	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

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	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

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	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

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	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12461

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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12462

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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12463

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12464

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12465

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12466

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12467

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12468

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

[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	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12510

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12511

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12512

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12513

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12514

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12515

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12516

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/03/2025	02/03/2025 / anahy	09/20/2024 / anahy	S12650

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)	414127	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12790

CHEMICAL RECEIPT LOG BOOK

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)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112



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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG
S11084
to
S11088

*Not a certified value

Certified By: _____

Jacob Mulloy
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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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*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

Certified By: _____

Shane Overcash
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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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

Erica Castiglione

Certified By:

Erica Castiglione
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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Receivalon
02/07/23 by CG

Sheet 511096
to
511099

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	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	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*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

Certified By: _____

Briana Smith
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 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Certified By:



Briana Smith
Chemist

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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

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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Received on
03/10/22
by
CG
S10242
to
S10247

Catalog No. : 31615 **Lot No.:** A0182667
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 : March 31, 2025 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol CAS # 87-86-5 (Lot 211229RSR) Purity 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

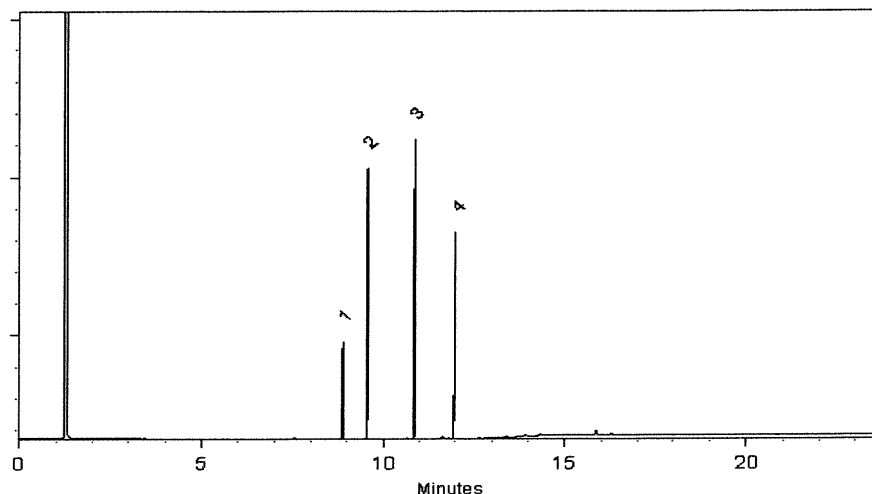
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0185300
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 : May 31, 2025 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
05/18/22
S10393
+0
S10402

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	4-Nitrophenol CAS # 100-02-7 Purity 99% (Lot MKCN1089)	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric +/- 753.2622 µg/mL Unstressed +/- 905.6020 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.



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Gravimetric Certificate



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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

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, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine CAS # 92-87-5 Purity 99%	25,200.0 µg/mL (Lot 220511RSR)	+/- 233.2055 µg/mL Gravimetric +/- 351.6606 µg/mL Unstressed +/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 16-Jun-2022 Balance: 1122030677

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.



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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on
02/08/23

b1
CG

S 11071
to
S 11075

Catalog No. : 31853 Lot No.: A0187043
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : July 31, 2027 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,4-Dioxane CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 44.5129 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

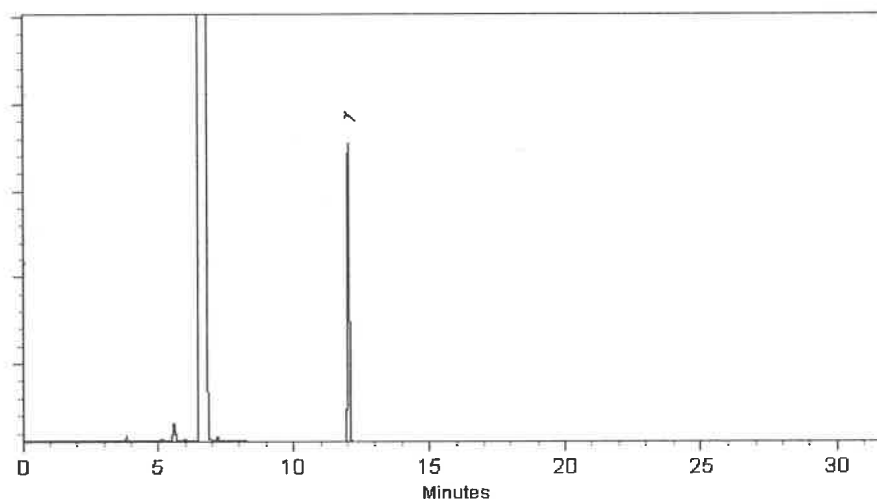
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022

Balance: 1128360905

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG on
12/28/22
S10951
to
S10980

Catalog No. : 31087 **Lot No.:** A0188108

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 : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

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:

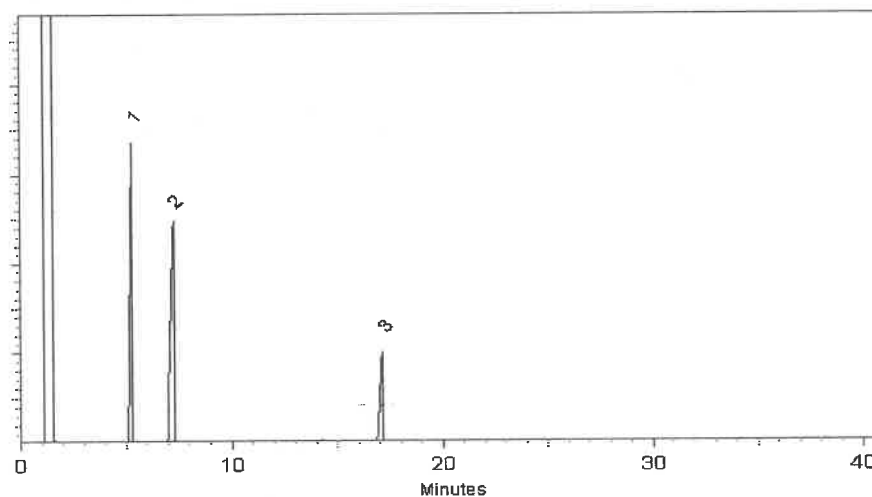
250°C

Det. Temp:

330°C

Det. Type:

FID



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.


Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Received by
CG on
12/28/22
\$10981
to
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
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 : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

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.

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:

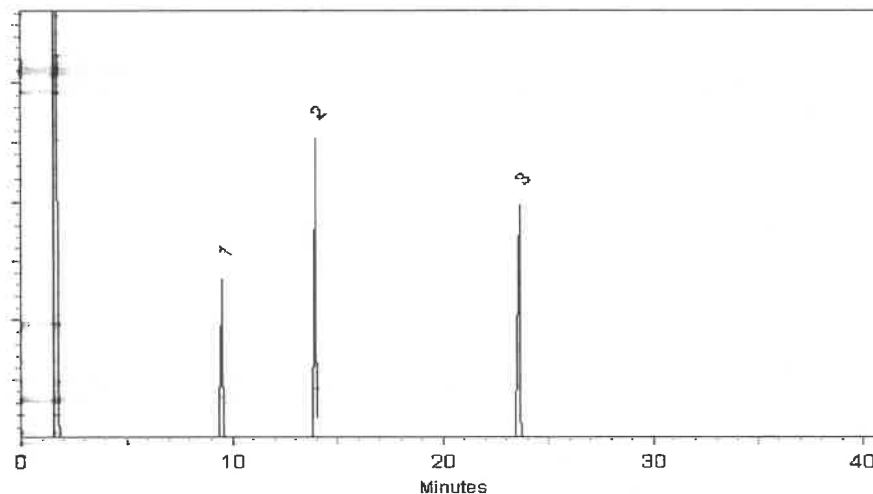
250°C

Det. Temp:

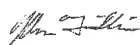
330°C

Det. Type:

FID



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.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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.:** A0194698

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 : February 28, 2026 **Storage:** 10°C or colder
Ship: Ambient

CERTIFI

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek®
Registered Quality
Certificate #FM 8

Certified Reference Material Notes

Notes:

The date valid for unopened ampul stored in compliance with the recommended conditions. Purity, concentration, and expiration of the CRM are based on the unopened product being stored according to the intended condition found in the storage field.

The purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

Samples 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 compound in solution.

The purity of isomeric compounds is reported as the sum of the isomers.

Values are rounded to the nearest whole number.

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

The coverage factor of 2, which gives a level of confidence of approximately 95%.

The minimum packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure the minimum packaged amount can be sufficiently transferred.

Notes:

The preparation is based upon gravimetric preparation using either a balance whose calibration has been verified daily with traceable weights, and/or dilutions with Class A glassware.

The unopened product, when stored in compliance with the recommended conditions, is guaranteed through the information 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 standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom option. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

If dissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



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.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek
Registered Quality
Certificate #FM1

ified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
 nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
 ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
 LC/MS, RI, and/or melting point.
 rds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
 n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the
 mpound in solution.
 isomeric compounds is reported as the sum of the isomers.
 ues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
 ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
 ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

arage factor of 2, which gives a level of confidence of approximately 95%.
 ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
 nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
 traceable weights, and/or dilutions with Class A glassware.

:
 the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
 ion displayed on the product label and certificate. Contact Restek for additional opened product stability
 i, with the knowledge/understanding that open product stability is subject to the specific handling and
 ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with
 ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
 m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
 des complete instructions.
 ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



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CP 64070
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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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

E3815

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3827

Recd. by RS on ~~11/8/24~~ 11/7/24
RS
11/7

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™



Material No.: 9266-A4

Batch No.: 24J0862003

Manufactured Date: 2024-09-12

Expiration Date: 2025-12-12

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 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 3828

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
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)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titration Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848


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

12/27/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
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)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titration Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871


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 Heptachlor Epoxide) 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 3874



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



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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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: Shane C. Tipton
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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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649
↓
511658
Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** 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:

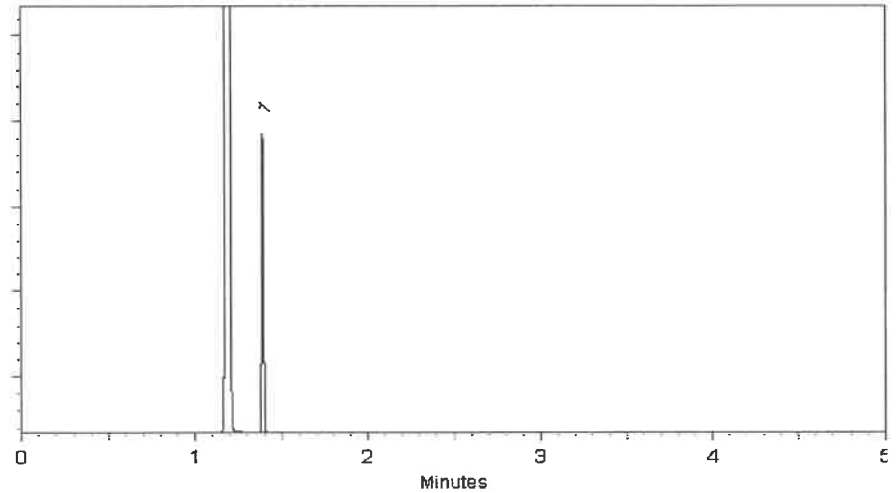
FID

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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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

912075 } RC
↓
912079 } 02/01/24

*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

Certified By: _____

Shane Overcash
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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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
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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.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

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%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968	
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998	
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634	
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221	
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240	
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553	
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251	
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220	
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674	
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979	
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130	
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857	
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220	
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958	
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230	
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553	

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

512187 } RC/
↓ } 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:

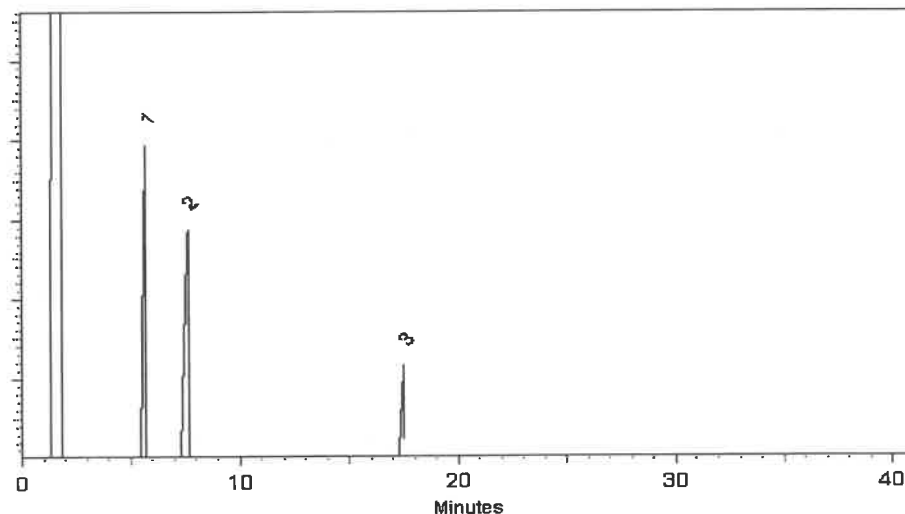
FID

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 A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

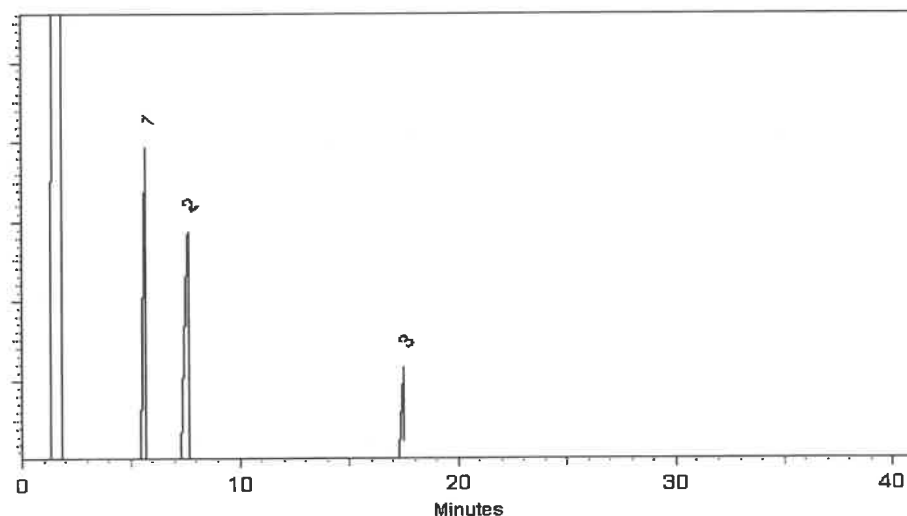
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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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:

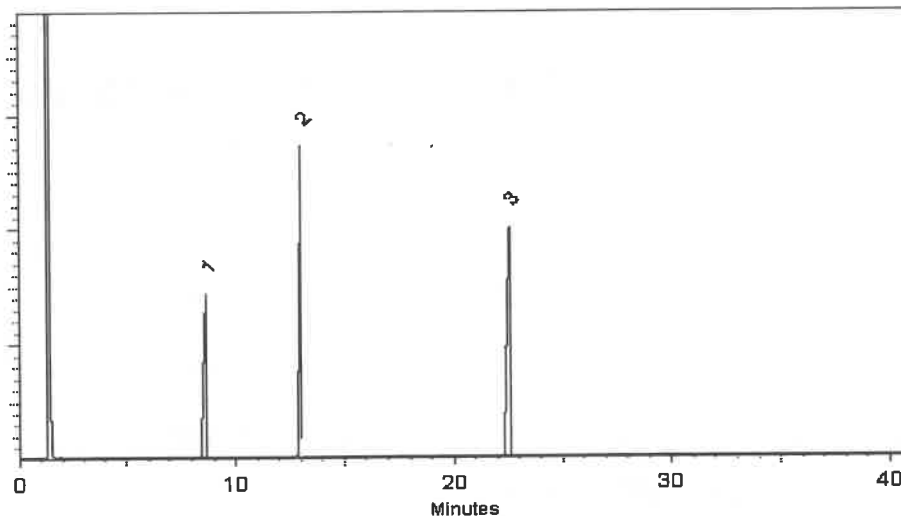
FID

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

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Page 1 of 4

Catalog No.: Lot No.: Storage: Solvent: Exp. Date: Description:
Z-110381-01 520963 $\leq -10^{\circ}\text{C}$ 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 $\pm$ 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 $\pm$ 9.93
aniline	62-53-3	99.97	64.1.4P	1001 $\pm$ 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 $\pm$ 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 $\pm$ 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 $\pm$ 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 $\pm$ 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 $\pm$ 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 $\pm$ 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 $\pm$ 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 $\pm$ 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 $\pm$ 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 $\pm$ 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 $\pm$ 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 $\pm$ 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 $\pm$ 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 $\pm$ 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 $\pm$ 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 $\pm$ 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

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 4 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
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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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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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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Catalog No. : 31206 **Lot No.:** A0206540

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12312 } RC/
↓ 05/30/24
S12331

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%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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 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:

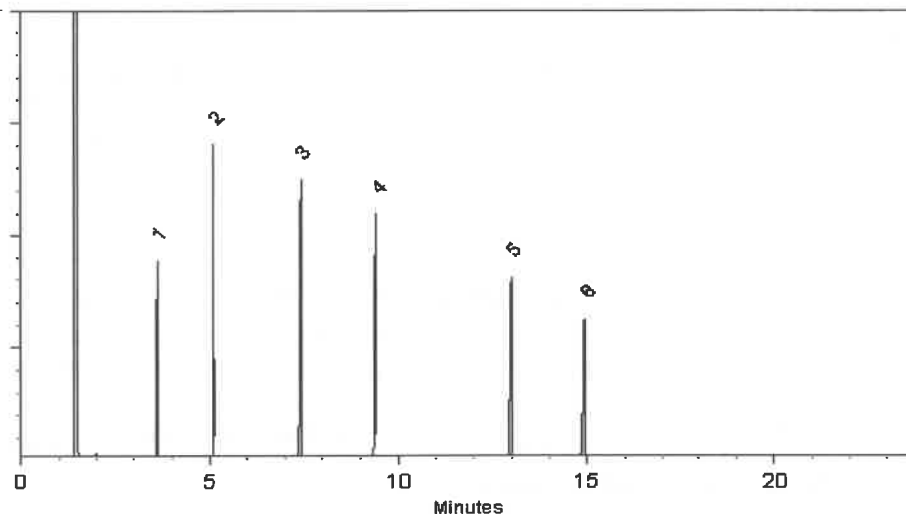
FID

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.

Malina Homan
Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015
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gravimetric



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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

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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



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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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.:** 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



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-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~512280~~ } RCL
↓
~~512284~~ } 05/24/24

New Numbers Generated.

512790 } RCL
↓
512794 } 11/12/24

*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

Certified By: _____

Shane Overcash
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.



SHIPPING DOCUMENTS

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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 : Q1216	RUTW01	Order Date : 1/29/2025 11:54:00 AM	YG	Project Mgr :
Client Name : RU2 Engineering, LLC		Project Name : SANDTWOBR BMCR Bro	02/03/25	Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive Date Time : 1/29/2025 4:14:00 PM	NYCDDC SANTWOBR Brooklyn Bridge	BBMCR
Invoice Name : RU2 Engineering, LLC		Purchase Order :		EDD Type : Excel NY
Invoice Contact : Rutu Manani				Hard Copy Date :
				Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1216-01	JPP-18.1-012825	Solid	01/28/2025	08:35					
					VOCMS Group1		8260D	10 Bus. Days	
Q1216-05	JPP-21.1-012825	Solid	01/28/2025	09:25					
					VOCMS Group1		8260D	10 Bus. Days	
Q1216-09	JPP-21.2-012825	Solid	01/28/2025	10:44					
					VOCMS Group1		8260D	10 Bus. Days	
Q1216-13	JPP-26.1-012825	Solid	01/28/2025	11:28					
					VOCMS Group1		8260D	10 Bus. Days	
Q1216-17	JPP-26.2-012825	Solid	01/28/2025	13:20					
					VOCMS Group1		8260D	10 Bus. Days	

Relinquished By: 

Date / Time :

1-29-25 1700

Received By: 

Date / Time :

1-29-25 1700

Storage Area : VOA Refridgerator Room

Samples in Sm Frig @1700.