

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 : Q1215

ATTENTION : Rutu Manani



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1215

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1215-01
Q1215-02
Q1215-03
Q1215-04
Q1215-05
Q1215-06
Q1215-07
Q1215-08

Client Sample Number

JPP-29.1-012825
JPP-29.1-012825
JPP-29.1-012825
JPP-29.1-012825
JPP-29.2-012825
JPP-29.2-012825
JPP-29.2-012825
JPP-29.2-012825

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: 2/13/2025

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 # Q1215

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

8 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 SVOC-TCL BNA -20.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1215-03MS} with File ID: BF141573.D recoveries met the requirements for all compounds except for Atrazine[132%], Benzaldehyde[116%] due to matrix interference.

The MSD {Q1215-03MSD} with File ID: BF141574.D recoveries met the acceptable requirements except for Benzaldehyde[116%] due to matrix interference.

The RPD met criteria .

The Blank Spike for {PB166360BS} with File ID: BF141405.D met requirements for all samples except for 3,3-Dichlorobenzidine[41%], Hexachlorocyclopentadiene[191%] but no positive hits in associated samples therefore no corrective action taken.



The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141531.D met the requirements except for Di-n-octyl phthalate but no positive hits in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample JPP-29.2-012825 was diluted due to high concentration.

E. Additional Comments:

For samples # JPP-29.2-012825 and JPP-29.2-012825DL some compounds below Method detection limits, therefore it is not reported as Hit in Form-1.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

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

F. Manual Integration Comments:

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

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: Q1215

MATRIX: Solid

METHOD: 8270E/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements.		✓	
The Initial Calibration met the requirements .			
The Continuous Calibration File ID BF141531.D met the requirements except for Di-n- octyl phthalate but no positive hits in associated sample therefore no corrective action taken.			
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS {Q1215-03MS} with File ID: BF141573.D recoveries met the requirements for all compounds except for Atrazine[132%], Benzaldehyde[116%] due to matrix interference.			
The MSD {Q1215-03MSD} with File ID: BF141574.D recoveries met the acceptable requirements except for Benzaldehyde[116%] due to matrix interference.			
The Blank Spike for {PB166360BS} with File ID: BF141405.D met requirements for all samples except for 3,3-Dichlorobenzidine[41%], Hexachlorocyclopentadiene[191%] but no positive hits in associated samples therefore no corrective action taken.			

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

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

ADDITIONAL COMMENTS:

Sample JPP-29.2-012825 was diluted due to high concentration.

For samples # JPP-29.2-012825 and JPP-29.2-012825DL some compounds below Method detection limits, therefore it is not reported as Hit in Form-1.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1215

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: 02/13/2025

LAB CHRONICLE

OrderID:	Q1215	OrderDate:	1/29/2025 11:20:00 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
Q1215-03	JPP-29.1-012825	SOIL	SVOC-TCL BNA -20	8270E	01/28/25	01/30/25	02/11/25	01/29/25
Q1215-04	JPP-29.1-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/05/25	01/29/25
Q1215-07	JPP-29.2-012825	SOIL	SVOC-TCL BNA -20	8270E	01/28/25	01/30/25	02/07/25	01/29/25
Q1215-07DL	JPP-29.2-012825DL	SOIL	SVOC-TCL BNA -20	8270E	01/28/25	01/30/25	02/10/25	01/29/25
Q1215-08	JPP-29.2-012825	TCLP	TCLP BNA	8270E	01/28/25	01/31/25	02/05/25	01/29/25

Hit Summary Sheet SW-846

SDG No.: Q1215
Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-29.1-012825								
Q1215-03	JPP-29.1-012825	SOIL	Acenaphthene	110.000	J	91.2	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Phenanthrene	1,100.000		94.4	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Anthracene	260.000		94.9	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Fluoranthene	2,100.000		91.9	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Pyrene	1,700.000		93.3	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo(a)anthracene	1,200.000		90.7	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Chrysene	1,000.000		89.4	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo(b)fluoranthene	1,400.000		91.2	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo(k)fluoranthene	530.000		92.9	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo(a)pyrene	1,300.000		100	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Indeno(1,2,3-cd)pyrene	550.000		87.8	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Dibenzo(a,h)anthracene	180.000	J	91.3	190	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo(g,h,i)perylene	620.000		90.1	190	ug/Kg
Total Svoc :				12,050.00				
Q1215-03	JPP-29.1-012825	SOIL	11H-Benzo[b]fluorene	*	110.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Anthracene, 2-methyl-	*	150.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	440.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzo[e]pyrene	*	200.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Benzophenone	*	300.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Dibenzothiophene	*	130.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Dodecane, 2-methyl-	*	150.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Dodecane, 2-methyl-6-propyl-	*	210.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Naphthalene, 2-phenyl-	*	120.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	n-Hexadecanoic acid	*	530.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Nonadecane	*	120.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Pentadecane	*	130.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Perylene	*	930.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Cyclopenta(def)phenanthrenone	*	120.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Decane, 2-methyl-	*	98.600	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Phenanthrene, 2,5-dimethyl-	*	110.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Phenanthrene, 2-methyl-	*	100.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Pyrene, 1-methyl-	*	96.700	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	Tridecane	*	230.000	J	0	ug/Kg
Q1215-03	JPP-29.1-012825	SOIL	unknown12.398	*	150.000	J	0	ug/Kg
Total Tics :				4,425.30				
Total Concentration:				16,475.30				

Client ID : JPP-29.2-012825

Hit Summary Sheet
SW-846

SDG No.: Q1215
Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1215-07	JPP-29.2-012825	SOIL	Acenaphthene	230.000	J	91.2	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Dibenzofuran	120.000	J	95	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Fluorene	200.000		96.2	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Phenanthrene	2,300.000		94.5	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Anthracene	570.000		95	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Carbazole	160.000	J	90.3	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Fluoranthene	3,100.000	E	91.9	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Pyrene	3,100.000	E	93.4	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo(a)anthracene	1,800.000		90.8	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Chrysene	1,600.000		89.4	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo(b)fluoranthene	2,100.000		91.2	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo(k)fluoranthene	1,000.000		92.9	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo(a)pyrene	1,900.000		100	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Indeno(1,2,3-cd)pyrene	960.000		87.9	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Dibenzo(a,h)anthracene	300.000		91.4	190	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo(g,h,i)perylene	1,100.000		90.1	190	ug/Kg
Total Svoc :				20,540.00				
Q1215-07	JPP-29.2-012825	SOIL	Pyrene, 1-methyl-	*	130.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Pyrene, 2-methyl-	*	120.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Retene	*	80.300	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Phenanthrene, 1-methyl-	*	160.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Phenanthrene, 2-methyl-	*	75.800	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	200.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzene, [1-(2,4-cyclopentadien-1	*	76.900	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	11H-Benzo[b]fluorene	*	100.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzo[e]pyrene	*	1,400.000	J 0	0	ug/Kg
Q1215-07	JPP-29.2-012825	SOIL	Benzophenone	*	200.000	J 0	0	ug/Kg
Total Tics :				2,543.00				
Total Concentration:				23,083.00				
Client ID : JPP-29.2-012825DL								
Q1215-07DL	JPP-29.2-012825DL	SOIL	Acenaphthene	230.000	JD	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Fluorene	200.000	JD	190	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Phenanthrene	2,400.000	D	190	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Anthracene	570.000	D	190	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Fluoranthene	3,000.000	D	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Pyrene	2,700.000	D	190	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Benzo(a)anthracene	1,800.000	D	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Chrysene	1,600.000	D	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Benzo(b)fluoranthene	2,300.000	D	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Benzo(k)fluoranthene	790.000	D	190	380	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1215-07DL	JPP-29.2-012825DL	SOIL	Benzo(a)pyrene	1,900.000	D	210	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Indeno(1,2,3-cd)pyrene	840.000	D	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Dibenzo(a,h)anthracene	260.000	JD	180	380	ug/Kg
Q1215-07DL	JPP-29.2-012825DL	SOIL	Benzo(g,h,i)perylene	990.000	D	180	380	ug/Kg
Total Svoc :				19,580.00				
Total Concentration:				19,580.00				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166360BL	PB166360BL	2-Fluorophenol	150	147	98		18	112
		Phenol-d6	150	142	95		15	107
		Nitrobenzene-d5	100	101	101		18	107
		2-Fluorobiphenyl	100	100.0	100		20	109
		2,4,6-Tribromophenol	150	158	105		10	116
		Terphenyl-d14	100	93.3	93		10	105
PB166360BS	PB166360BS	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	92.7	93		18	107
		2-Fluorobiphenyl	100	94.8	95		20	109
		2,4,6-Tribromophenol	150	154	103		10	116
		Terphenyl-d14	100	85.1	85		10	105
Q1215-03	JPP-29.1-012825	2-Fluorophenol	150	112	75		18	112
		Phenol-d6	150	110	73		15	107
		Nitrobenzene-d5	100	80.3	80		18	107
		2-Fluorobiphenyl	100	82.2	82		20	109
		2,4,6-Tribromophenol	150	98.8	66		10	116
		Terphenyl-d14	100	63.3	63		10	105
Q1215-03MS	JPP-29.1-012825MS	2-Fluorophenol	150	96.4	64		18	112
		Phenol-d6	150	92.7	62		15	107
		Nitrobenzene-d5	100	72.2	72		18	107
		2-Fluorobiphenyl	100	73.2	73		20	109
		2,4,6-Tribromophenol	150	90.2	60		10	116
		Terphenyl-d14	100	59.0	59		10	105
Q1215-03MSD	JPP-29.1-012825MSD	2-Fluorophenol	150	94.8	63		18	112
		Phenol-d6	150	92.1	61		15	107
		Nitrobenzene-d5	100	68.4	68		18	107
		2-Fluorobiphenyl	100	70.6	71		20	109
		2,4,6-Tribromophenol	150	82.2	55		10	116
		Terphenyl-d14	100	56.0	56		10	105
Q1215-07	JPP-29.2-012825	2-Fluorophenol	150	84.4	56		18	112
		Phenol-d6	150	82.6	55		15	107
		Nitrobenzene-d5	100	59.4	59		18	107
		2-Fluorobiphenyl	100	62.2	62		20	109
		2,4,6-Tribromophenol	150	73.4	49		10	116
		Terphenyl-d14	100	56.3	56		10	105
Q1215-07DL	JPP-29.2-012825DL	2-Fluorophenol	150	85.8	57		18	112
		Phenol-d6	150	85.7	57		15	107
		Nitrobenzene-d5	100	59.3	59		18	107
		2-Fluorobiphenyl	100	60.4	60		20	109
		2,4,6-Tribromophenol	150	73.5	49		10	116
		Terphenyl-d14	100	48.7	49		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

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: Q1215-03MS		Client Sample ID: JPP-29.1-012825MS		DataFile: BF141573.D							
Benzaldehyde	1900	0	2200	ug/Kg	116	*			10	86	
Phenol	1900	0	1700	ug/Kg	89				67	126	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				54	125	
2-Chlorophenol	1900	0	1700	ug/Kg	89				79	107	
2-Methylphenol	1900	0	1700	ug/Kg	89				66	122	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				65	110	
Acetophenone	1900	0	2000	ug/Kg	105				75	111	
3+4-Methylphenols	1900	0	1700	ug/Kg	89				66	104	
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89				59	119	
Hexachloroethane	1900	0	1700	ug/Kg	89				65	117	
Nitrobenzene	1900	0	1700	ug/Kg	89				70	119	
Isophorone	1900	0	1900	ug/Kg	100				76	122	
2-Nitrophenol	1900	0	1800	ug/Kg	95				54	145	
2,4-Dimethylphenol	1900	0	2200	ug/Kg	116				44	135	
bis(2-Chloroethoxy)methane	1900	0	1800	ug/Kg	95				68	112	
2,4-Dichlorophenol	1900	0	1700	ug/Kg	89				72	118	
Naphthalene	1900	0	1800	ug/Kg	95				72	110	
4-Chloroaniline	1900	0	380	ug/Kg	20				10	91	
Hexachlorobutadiene	1900	0	1900	ug/Kg	100				66	114	
Caprolactam	1900	0	1900	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1900	0	1600	ug/Kg	84				57	132	
2-Methylnaphthalene	1900	0	1700	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	3700	0	2100	ug/Kg	57				10	175	
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95				72	117	
2,4,5-Trichlorophenol	1900	0	1700	ug/Kg	89				72	117	
1,1-Biphenyl	1900	0	2000	ug/Kg	105				75	113	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				67	118	
2-Nitroaniline	1900	0	1800	ug/Kg	95				69	127	
Dimethylphthalate	1900	0	1800	ug/Kg	95				70	113	
Acenaphthylene	1900	0	1800	ug/Kg	95				79	118	
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95				70	125	
3-Nitroaniline	1900	0	820	ug/Kg	43				30	99	
Acenaphthene	1900	110	1800	ug/Kg	89				70	121	
2,4-Dinitrophenol	3700	0	1900	ug/Kg	51				10	155	
4-Nitrophenol	3700	0	3200	ug/Kg	86				45	133	
Dibenzofuran	1900	0	1700	ug/Kg	89				72	110	
2,4-Dinitrotoluene	1900	0	1700	ug/Kg	89				55	128	
Diethylphthalate	1900	0	1700	ug/Kg	89				70	112	
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89				71	108	
Fluorene	1900	0	1700	ug/Kg	89				68	116	
4-Nitroaniline	1900	0	1300	ug/Kg	68				55	120	
4,6-Dinitro-2-methylphenol	1900	0	1200	ug/Kg	63				10	160	
N-Nitrosodiphenylamine	1900	0	2000	ug/Kg	105				73	118	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				65	121	
Hexachlorobenzene	1900	0	1900	ug/Kg	100				67	118	
Atrazine	1900	0	2500	ug/Kg	132	*			79	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3100	ug/Kg	84				47	128	
Phenanthrene	1900	1100	2700	ug/Kg	84				52	128	
Anthracene	1900	260	2000	ug/Kg	92				62	124	
Carbazole	1900	0	1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				69	118	
Fluoranthene	1900	2100	3300	ug/Kg	63				44	125	
Pyrene	1900	1700	2900	ug/Kg	63				26	142	
Butylbenzylphthalate	1900	0	1900	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1900	0	1200	ug/Kg	63				33	116	
Benzo(a)anthracene	1900	1200	2800	ug/Kg	84				71	114	
Chrysene	1900	1000	2600	ug/Kg	84				57	121	
bis(2-Ethylhexyl)phthalate	1900	0	2200	ug/Kg	116				42	169	
Di-n-octyl phthalate	1900	0	2700	ug/Kg	142				23	175	
Benzo(b)fluoranthene	1900	1400	2900	ug/Kg	79				67	121	
Benzo(k)fluoranthene	1900	530	2200	ug/Kg	88				57	134	
Benzo(a)pyrene	1900	1300	2800	ug/Kg	79				70	142	
Indeno(1,2,3-cd)pyrene	1900	550	1900	ug/Kg	71				40	129	
Dibenz(a,h)anthracene	1900	180	1600	ug/Kg	75				43	123	
Benzo(g,h,i)perylene	1900	620	1800	ug/Kg	62				24	125	
1,2,4,5-Tetrachlorobenzene	1900	0	2000	ug/Kg	105				69	124	
1,4-Dioxane	1900	0	1800	ug/Kg	95				46	112	
2,3,4,6-Tetrachlorophenol	1900	0	1600	ug/Kg	84				69	112	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

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: Q1215-03MSD		Client Sample ID: JPP-29.1-012825MSD		DataFile: BF141574.D							
Benzaldehyde	1900	0	2200	ug/Kg	116	*	0		10	86	20
Phenol	1900	0	1600	ug/Kg	84		6		67	126	20
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95		0		54	125	20
2-Chlorophenol	1900	0	1700	ug/Kg	89		0		79	107	20
2-Methylphenol	1900	0	1600	ug/Kg	84		6		66	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89		0		65	110	20
Acetophenone	1900	0	1800	ug/Kg	95		10		75	111	20
3+4-Methylphenols	1900	0	1600	ug/Kg	84		6		66	104	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		0		59	119	20
Hexachloroethane	1900	0	1700	ug/Kg	89		0		65	117	20
Nitrobenzene	1900	0	1700	ug/Kg	89		0		70	119	20
Isophorone	1900	0	1700	ug/Kg	89		12		76	122	20
2-Nitrophenol	1900	0	1700	ug/Kg	89		7		54	145	20
2,4-Dimethylphenol	1900	0	2100	ug/Kg	111		4		44	135	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		7		68	112	20
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84		6		72	118	20
Naphthalene	1900	0	1700	ug/Kg	89		7		72	110	20
4-Chloroaniline	1900	0	350	ug/Kg	18		11		10	91	20
Hexachlorobutadiene	1900	0	1700	ug/Kg	89		12		66	114	20
Caprolactam	1900	0	1800	ug/Kg	95		5		51	134	20
4-Chloro-3-methylphenol	1900	0	1500	ug/Kg	79		6		57	132	20
2-Methylnaphthalene	1900	0	1600	ug/Kg	84		6		59	123	20
Hexachlorocyclopentadiene	3700	0	1800	ug/Kg	49		15		10	175	20
2,4,6-Trichlorophenol	1900	0	1700	ug/Kg	89		7		72	117	20
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84		6		72	117	20
1,1-Biphenyl	1900	0	1900	ug/Kg	100		5		75	113	20
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		67	118	20
2-Nitroaniline	1900	0	1700	ug/Kg	89		7		69	127	20
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70	113	20
Acenaphthylene	1900	0	1700	ug/Kg	89		7		79	118	20
2,6-Dinitrotoluene	1900	0	1600	ug/Kg	84		12		70	125	20
3-Nitroaniline	1900	0	800	ug/Kg	42		2		30	99	20
Acenaphthene	1900	110	1700	ug/Kg	84		6		70	121	20
2,4-Dinitrophenol	3700	0	1600	ug/Kg	43		17		10	155	20
4-Nitrophenol	3700	0	3000	ug/Kg	81		6		45	133	20
Dibenzofuran	1900	0	1600	ug/Kg	84		6		72	110	20
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84		6		55	128	20
Diethylphthalate	1900	0	1600	ug/Kg	84		6		70	112	20
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		6		71	108	20
Fluorene	1900	0	1600	ug/Kg	84		6		68	116	20
4-Nitroaniline	1900	0	1200	ug/Kg	63		8		55	120	20
4,6-Dinitro-2-methylphenol	1900	0	1000	ug/Kg	53		17		10	160	20
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100		5		73	118	20
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95		5		65	121	20
Hexachlorobenzene	1900	0	1700	ug/Kg	89		12		67	118	20
Atrazine	1900	0	2300	ug/Kg	121		9		79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3000	ug/Kg	81		4		47	128	20
Phenanthrene	1900	1100	2500	ug/Kg	74		13		52	128	20
Anthracene	1900	260	1900	ug/Kg	86		7		62	124	20
Carbazole	1900	0	1700	ug/Kg	89		7		59	119	20
Di-n-butylphthalate	1900	0	1800	ug/Kg	95		5		69	118	20
Fluoranthene	1900	2100	3100	ug/Kg	53		17		44	125	20
Pyrene	1900	1700	2700	ug/Kg	53		17		26	142	20
Butylbenzylphthalate	1900	0	1700	ug/Kg	89		12		64	126	20
3,3-Dichlorobenzidine	1900	0	1300	ug/Kg	68		8		33	116	20
Benzo(a)anthracene	1900	1200	2700	ug/Kg	79		6		71	114	20
Chrysene	1900	1000	2500	ug/Kg	79		6		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		4		42	169	20
Di-n-octyl phthalate	1900	0	2500	ug/Kg	132		7		23	175	20
Benzo(b)fluoranthene	1900	1400	2800	ug/Kg	74		7		67	121	20
Benzo(k)fluoranthene	1900	530	1900	ug/Kg	72		20		57	134	20
Benzo(a)pyrene	1900	1300	2700	ug/Kg	74		7		70	142	20
Indeno(1,2,3-cd)pyrene	1900	550	1800	ug/Kg	66		7		40	129	20
Dibenz(a,h)anthracene	1900	180	1500	ug/Kg	69		8		43	123	20
Benzo(g,h,i)perylene	1900	620	1700	ug/Kg	57		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100		5		69	124	20
1,4-Dioxane	1900	0	1900	ug/Kg	100		5		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1500	ug/Kg	79		6		69	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8270E DataFile: BF141405.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166360BS	Benzaldehyde	1700	1600	ug/Kg	94				10	133	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	610	ug/Kg	36				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	6300	ug/Kg	191		*		45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	770	ug/Kg	45				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1215

Client: RU2 Engineering, LLC

Analytical Method: 8270E

DataFile: BF141405.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166360BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	690	ug/Kg	41		*		42	91	
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166360BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1215

SAS No.: Q1215 SDG NO.: Q1215

Lab File ID: BF141404.D

Lab Sample ID: PB166360BL

Instrument ID: BNA_F

Date Extracted: 01/30/2025

Matrix: (soil/water) SOIL

Date Analyzed: 02/04/2025

Level: (low/med) LOW

Time Analyzed: 13:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166360BS	PB166360BS	BF141405.D	02/04/2025
JPP-29.2-012825	Q1215-07	BF141515.D	02/07/2025
JPP-29.1-012825	Q1215-03	BF141572.D	02/11/2025
JPP-29.1-012825MS	Q1215-03MS	BF141573.D	02/11/2025
JPP-29.1-012825MSD	Q1215-03MSD	BF141574.D	02/11/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215

SDG NO.: Q1215

Lab File ID: BF141289.D

DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F

DFTPP 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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215 SDG NO.: Q1215

Lab File ID: BF141397.D

DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F

DFTPP 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
PB166360BL	PB166360BL	BF141404.D	02/04/2025	13:21
PB166360BS	PB166360BS	BF141405.D	02/04/2025	13:47

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215

SDG NO.: Q1215

Lab File ID: BF141471.D

DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F

DFTPP 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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215

SDG NO.: Q1215

Lab File ID: BF141505.D

DFTPP Injection Date: 02/07/2025

Instrument ID: BNA_F

DFTPP Injection Time: 14:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.6
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	6.7
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (18.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141506.D	02/07/2025	14:33
JPP-29.2-012825	Q1215-07	BF141515.D	02/07/2025	18:35

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215 SDG NO.: Q1215

Lab File ID: BF141530.D

DFTPP Injection Date: 02/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
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	27.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.4 (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	BF141531.D	02/10/2025	11:34
JPP-29.2-012825DL	Q1215-07DL	BF141545.D	02/10/2025	19:53

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM

SAS No.: Q1215

SDG NO.: Q1215

Lab File ID: BF141550.D

DFTPP Injection Date: 02/11/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:02

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	0.7 (1.9) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.7) 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	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.6 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141551.D	02/11/2025	10:28
JPP-29.1-012825	Q1215-03	BF141572.D	02/11/2025	19:45
JPP-29.1-012825MS	Q1215-03MS	BF141573.D	02/11/2025	20:11
JPP-29.1-012825MSD	Q1215-03MSD	BF141574.D	02/11/2025	20:38

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

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 PB166360BL	87808	6.79	356027	8.07	197186	9.83
02 PB166360BS	88432	6.79	354444	8.08	192238	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

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 PB166360BL	341529	11.32	264448	13.96	208461	15.41
02 PB166360BS	331523	11.32	256577	13.96	210910	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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	91880	6.787	360290	8.08	198348	9.83
UPPER LIMIT	183760	7.287	720580	8.575	396696	10.328
LOWER LIMIT	45940	6.287	180145	7.575	99174	9.328
EPA SAMPLE NO.						
01 JPP-29.2-012825	81240	6.79	314496	8.07	155473	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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	340922	11.316	238177	13.957	192868	15.416
UPPER LIMIT	681844	11.816	476354	14.457	385736	15.916
LOWER LIMIT	170461	10.816	119089	13.457	96434	14.916
EPA SAMPLE NO.						
01 JPP-29.2-012825	227834	11.32	153947	13.96	117798	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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	91504	6.792	356056	8.08	192109	9.83
UPPER LIMIT	183008	7.292	712112	8.575	384218	10.327
LOWER LIMIT	45752	6.292	178028	7.575	96054.5	9.327
EPA SAMPLE NO.						
01 JPP-29.2-012825DL	77252	6.79	310103	8.07	166362	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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	313129	11.316	193608	13.963	177316	15.439
UPPER LIMIT	626258	11.816	387216	14.463	354632	15.939
LOWER LIMIT	156565	10.816	96804	13.463	88658	14.939
EPA SAMPLE NO.						
01 JPP-29.2-012825DL	240844	11.31	179683	13.95	169289	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	100982	6.793	399334	8.08	220290	9.83
UPPER LIMIT	201964	7.293	798668	8.575	440580	10.328
LOWER LIMIT	50491	6.293	199667	7.575	110145	9.328
EPA SAMPLE NO.						
01 JPP-29.1-012825	70182	6.79	273856	8.07	136474	9.82
02 JPP-29.1-012825MS	77607	6.79	287166	8.07	145781	9.82
03 JPP-29.1-012825MSD	77684	6.79	297197	8.07	147170	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.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	380364	11.31	221485	13.957	189149	15.41
UPPER LIMIT	760728	11.81	442970	14.457	378298	15.91
LOWER LIMIT	190182	10.81	110743	13.457	94574.5	14.91
EPA SAMPLE NO.						
01 JPP-29.1-012825	200429	11.30	171735	13.95	170191	15.40
02 JPP-29.1-012825MS	213944	11.31	166810	13.96	163116	15.40
03 JPP-29.1-012825MSD	213794	11.31	172116	13.96	164980	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.



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
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- 18

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-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141572.D	1	01/30/25 09:15	02/11/25 19:45	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	200	370	ug/Kg
108-95-2	Phenol	190	U	93.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.1	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	93.9	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	97.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.9	U	45.3	89.9	ug/Kg
67-72-1	Hexachloroethane	190	U	93.3	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.1	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	84.9	190	ug/Kg
91-20-3	Naphthalene	190	U	92.9	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	92.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.7	190	ug/Kg
105-60-2	Caprolactam	370	U	97.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	92.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.2	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.7	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	91.9	190	ug/Kg

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-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141572.D	1	01/30/25 09:15	02/11/25 19:45	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	97.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.5	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	110	J	91.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	190	U	94.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	96.9	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.2	190	ug/Kg
86-73-7	Fluorene	190	U	96.1	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	91.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.7	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.6	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	86.9	370	ug/Kg
85-01-8	Phenanthrene	1100		94.4	190	ug/Kg
120-12-7	Anthracene	260		94.9	190	ug/Kg
86-74-8	Carbazole	190	U	90.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	94.8	190	ug/Kg
206-44-0	Fluoranthene	2100		91.9	190	ug/Kg
129-00-0	Pyrene	1700		93.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1200		90.7	190	ug/Kg
218-01-9	Chrysene	1000		89.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		91.2	190	ug/Kg

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-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141572.D	1	01/30/25 09:15	02/11/25 19:45	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	530		92.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1300		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	550		87.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	J	91.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	620		90.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.6	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	112		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	110		15 - 107	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		20 - 109	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		10 - 116	66%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		10 - 105	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70200	6.787
1146-65-2	Naphthalene-d8	274000	8.069
15067-26-2	Acenaphthene-d10	136000	9.822
1517-22-2	Phenanthrene-d10	200000	11.304
1719-03-5	Chrysene-d12	172000	13.951
1520-96-3	Perylene-d12	170000	15.398

TENTATIVE IDENTIFIED COMPOUNDS

000629-92-5	Nonadecane	120	J	10.3	ug/Kg
006975-98-0	Decane, 2-methyl-	98.6	J	10.5	ug/Kg
000119-61-9	Benzophenone	300	J	10.5	ug/Kg
000629-50-5	Tridecane	230	J	10.7	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	210	J	11.2	ug/Kg
000132-65-0	Dibenzothiophene	130	J	11.2	ug/Kg
001560-97-0	Dodecane, 2-methyl-	150	J	11.6	ug/Kg

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-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141572.D	1	01/30/25 09:15	02/11/25 19:45	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000613-12-7	Anthracene, 2-methyl-	150	J		11.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	530	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	100	J		11.9	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	440	J		11.9	ug/Kg
000629-62-9	Pentadecane	130	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	120	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J		12.4	ug/Kg
	unknown12.398	150	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	120	J		12.4	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	110	J		13.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	96.7	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	200	J		15.1	ug/Kg
000198-55-0	Perylene	930	J		15.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141572.D
 Acq On : 11 Feb 2025 19:45
 Operator : RC/JU
 Sample : Q1215-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 12 00:07:31 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	70182	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	273856	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	136474	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	200429	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	171735	20.000	ng	-0.01
86) Perylene-d12	15.398	264	170191	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	503302	112.429	ng	0.00
7) Phenol-d6	6.422	99	622878	110.086	ng	-0.02
23) Nitrobenzene-d5	7.345	82	421481	80.275	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	135498	98.836	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	728383	82.227	ng	-0.01
79) Terphenyl-d14	12.892	244	644205	63.326	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.851	154	21996	2.811	ng	97
71) Phenanthrene	11.327	178	329452	29.861	ng	99
72) Anthracene	11.380	178	77876	7.022	ng	98
75) Fluoranthene	12.521	202	640471	54.756	ng	99
78) Pyrene	12.751	202	655531	44.840	ng	99
81) Benzo(a)anthracene	13.939	228	377212	33.043	ng	98
83) Chrysene	13.974	228	292972	27.794	ng	98
87) Indeno(1,2,3-cd)pyrene	16.833	276	153860	14.631	ng	95
88) Benzo(b)fluoranthene	14.986	252	420507m	36.798	ng	
89) Benzo(k)fluoranthene	14.998	252	137481m	14.089	ng	
90) Benzo(a)pyrene	15.339	252	308861	33.402	ng	97
91) Dibenzo(a,h)anthracene	16.839	278	40207	4.719	ng	# 80
92) Benzo(g,h,i)perylene	17.268	276	147728	16.567	ng	99

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

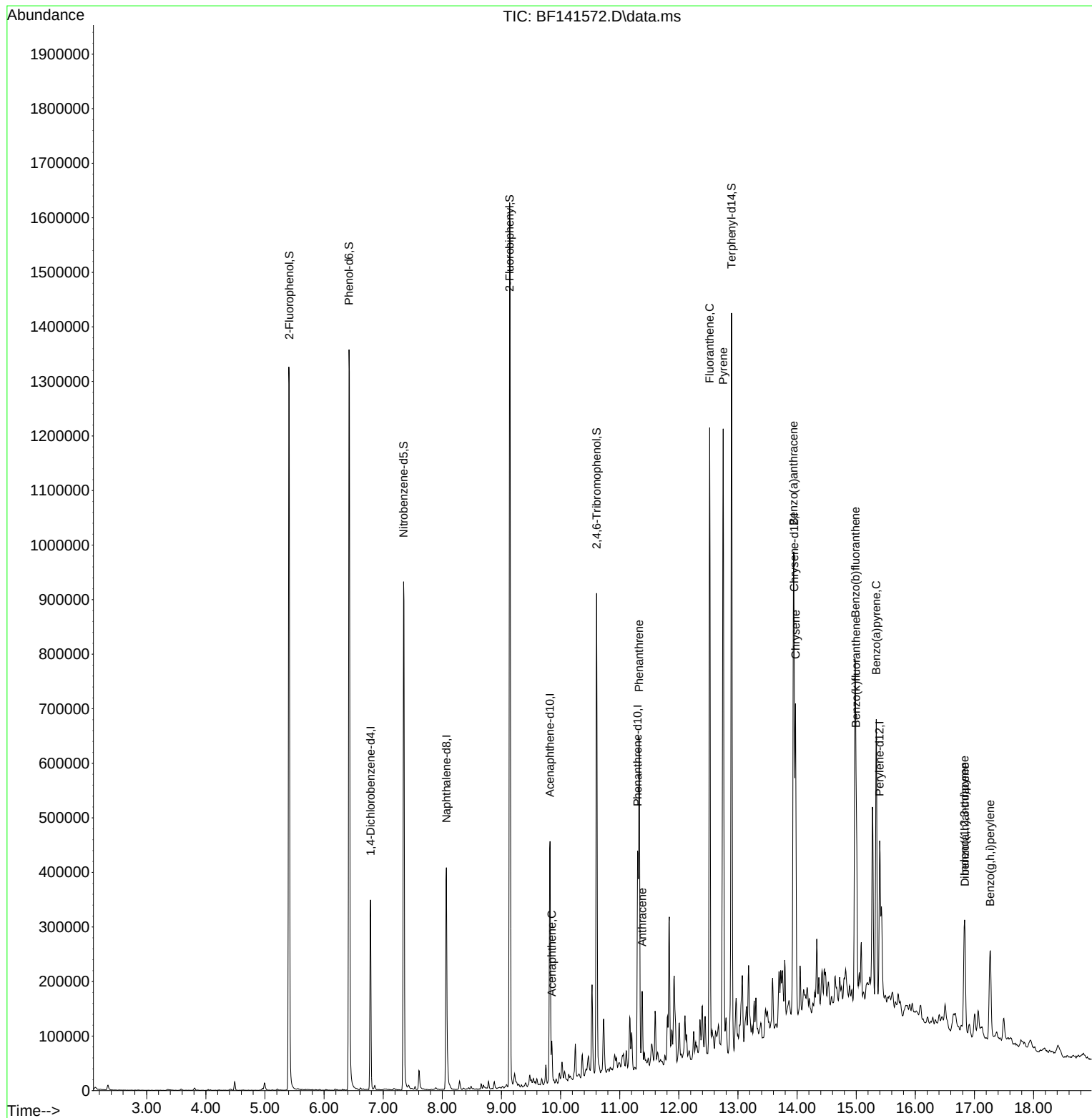
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Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

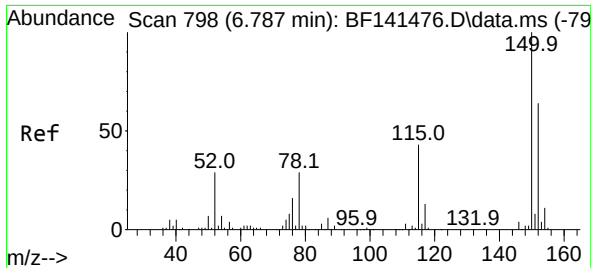
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

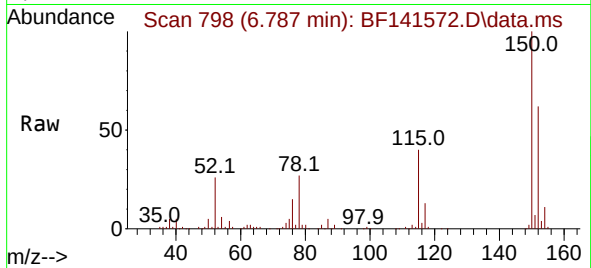
Quant Time: Feb 12 00:07:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

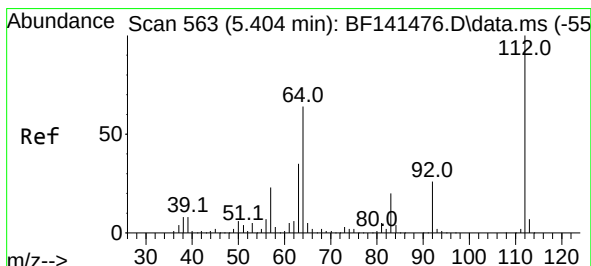
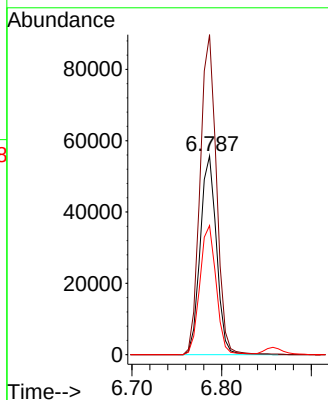
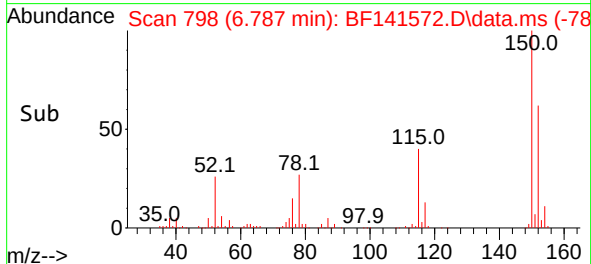
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



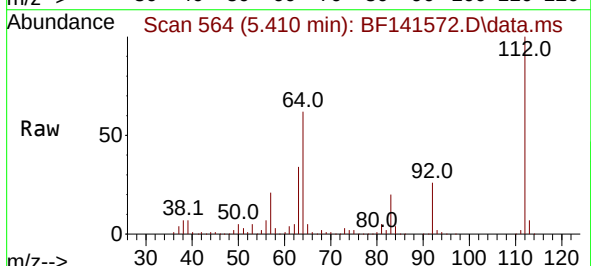
Tgt Ion:152 Resp: 7018
Ion Ratio Lower Upper
152 100
150 161.0 125.0 187.4
115 64.9 53.6 80.4

Manual Integrations
APPROVED

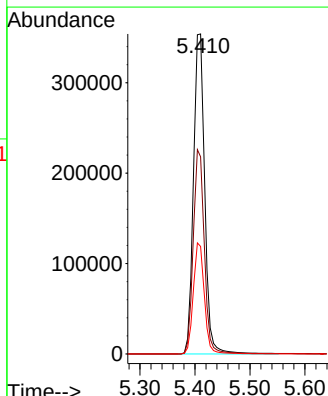
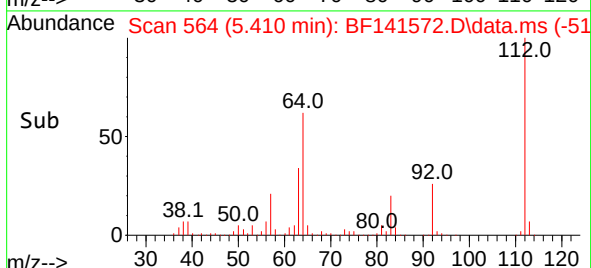
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

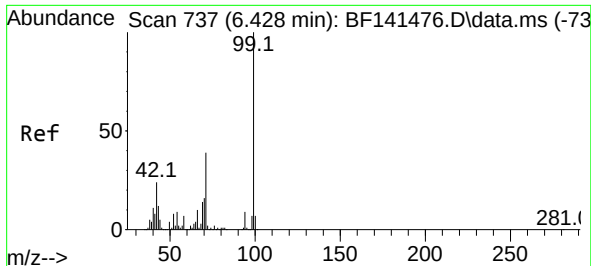


#5
2-Fluorophenol
Concen: 112.429 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



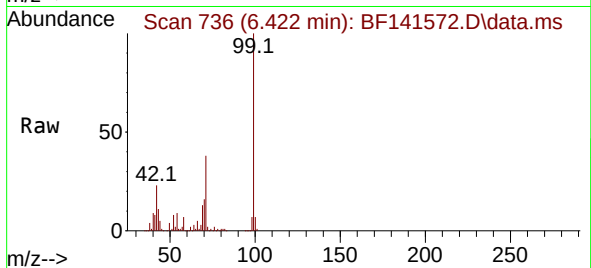
Tgt Ion:112 Resp: 503302
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 33.6 28.4 42.6





#7
Phenol-d6
Concen: 110.086 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

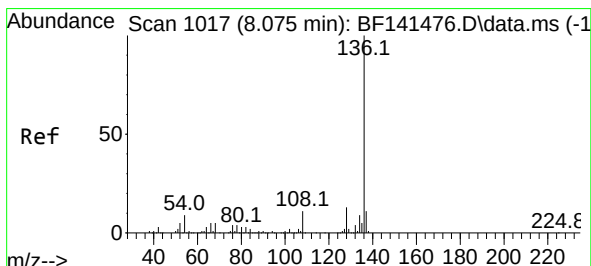
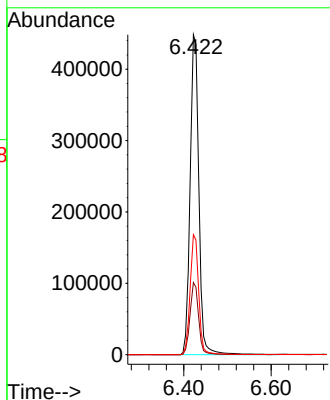
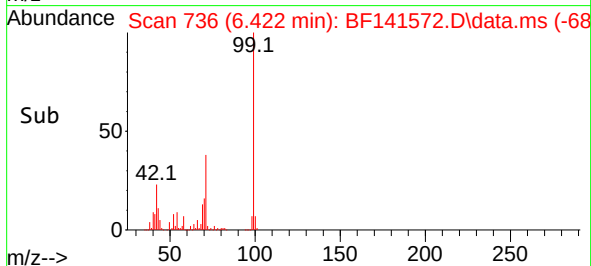
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



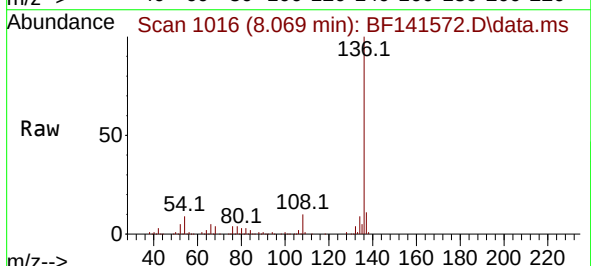
Tgt Ion: 99 Resp: 622878
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 37.5 31.1 46.7

Manual Integrations
APPROVED

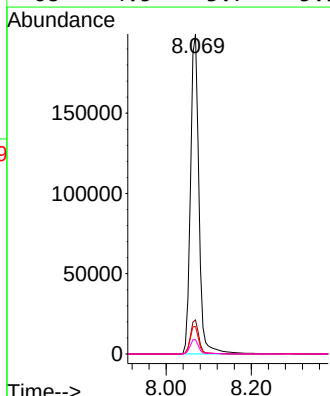
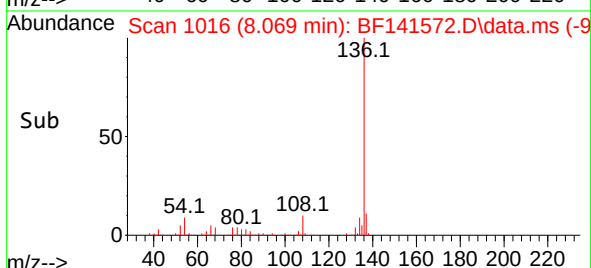
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

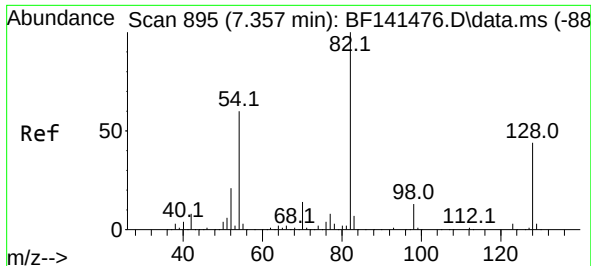


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



Tgt Ion:136 Resp: 273856
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.2 10.8
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 80.275 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825

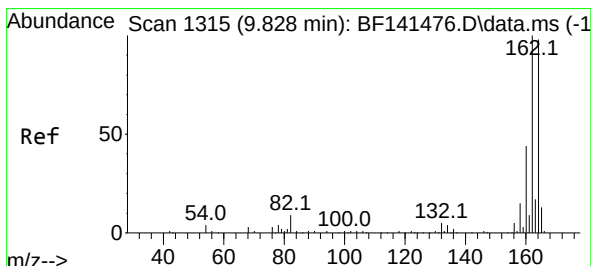
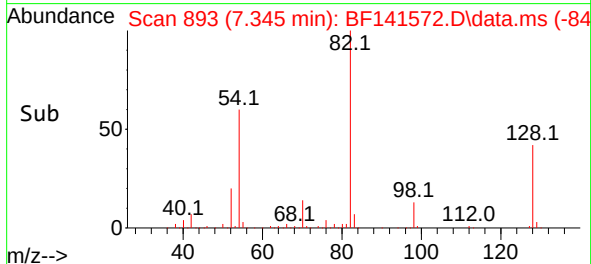
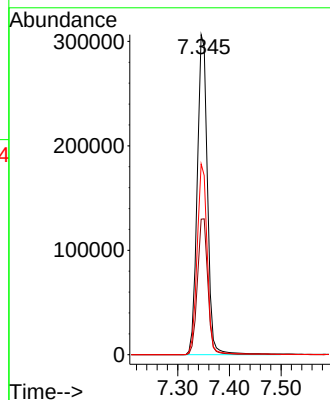
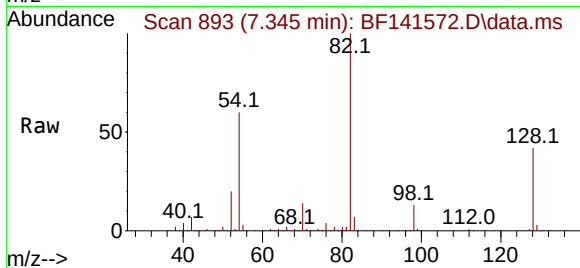
Tgt Ion: 82 Resp: 42148

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	59.6	48.2	72.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

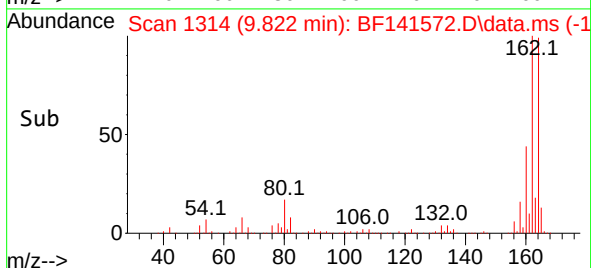
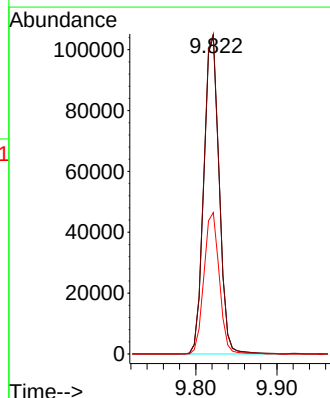
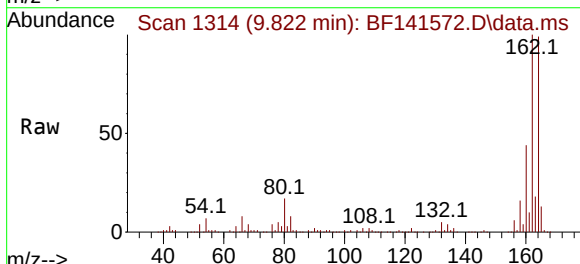
Delta R.T. -0.012 min

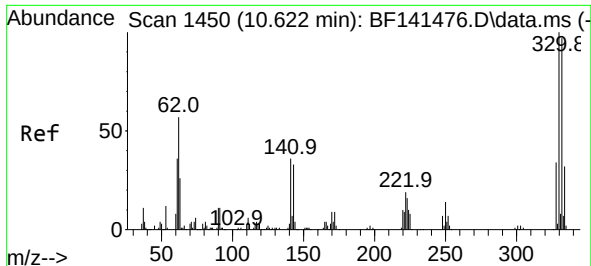
Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Tgt Ion:164 Resp: 136474

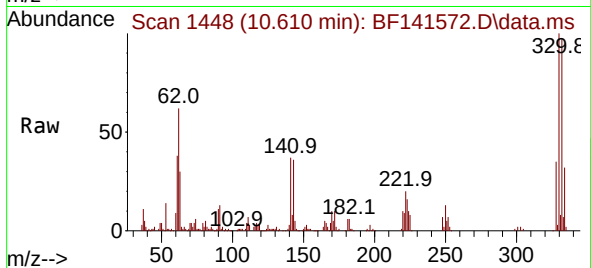
Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	44.6	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 98.836 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

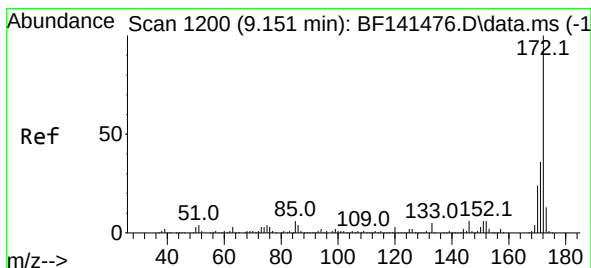
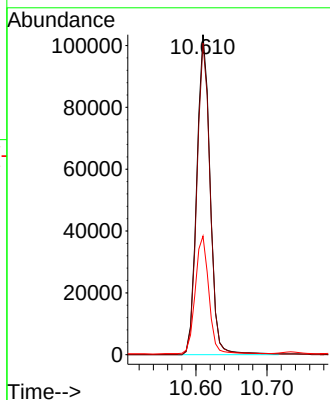
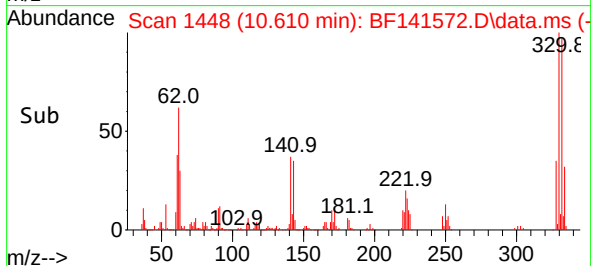
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



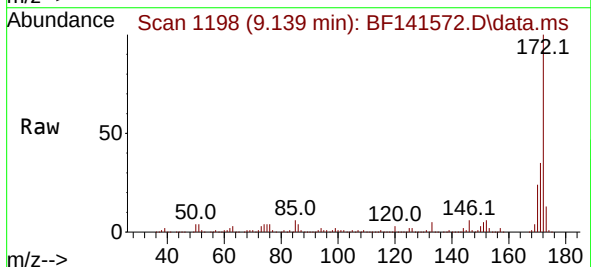
Tgt Ion: 330 Resp: 135498
Ion Ratio Lower Upper
330 100
332 97.1 78.5 117.7
141 37.7 31.0 46.4

Manual Integrations
APPROVED

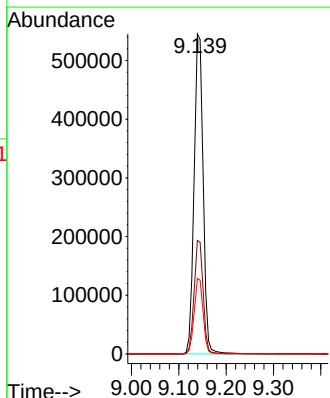
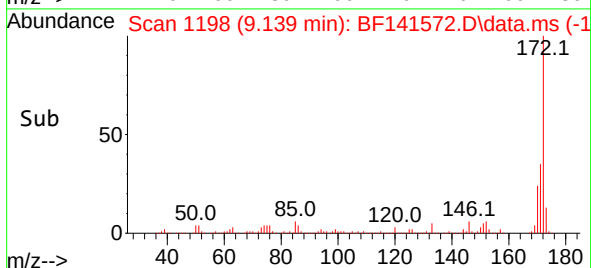
Reviewed By : Yogesh Patel 02/12/2025
Supervised By : mohammad ahmed 02/12/2025

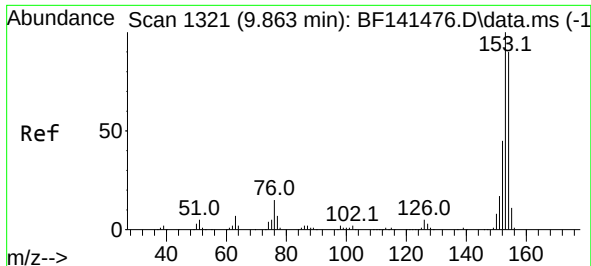


#45
2-Fluorobiphenyl
Concen: 82.227 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



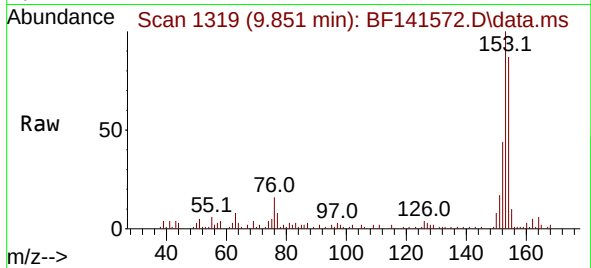
Tgt Ion: 172 Resp: 728383
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.5 18.9 28.3





#52
Acenaphthene
Concen: 2.811 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

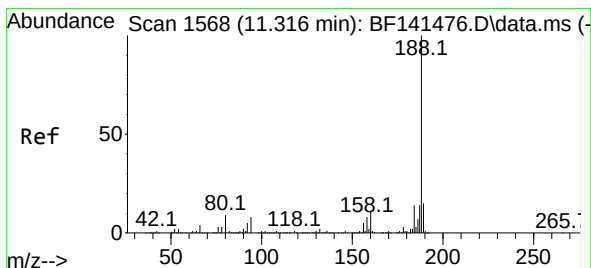
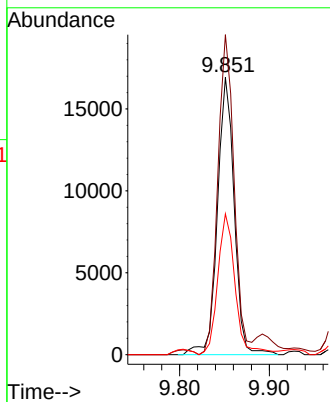
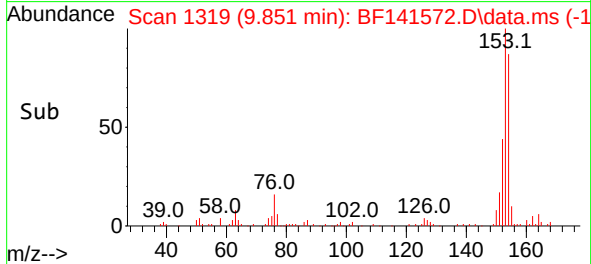
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



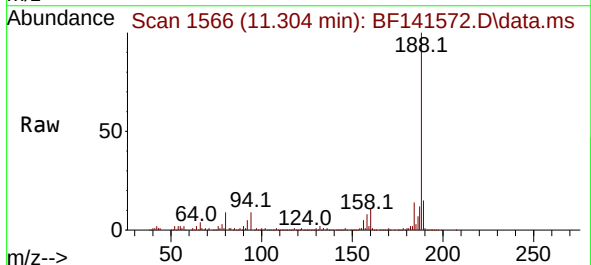
Tgt Ion:154 Resp: 21990
Ion Ratio Lower Upper
154 100
153 115.4 89.2 133.8
152 50.8 39.8 59.8

Manual Integrations
APPROVED

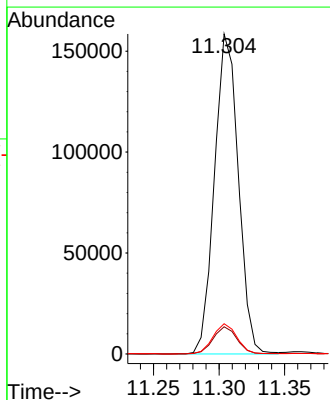
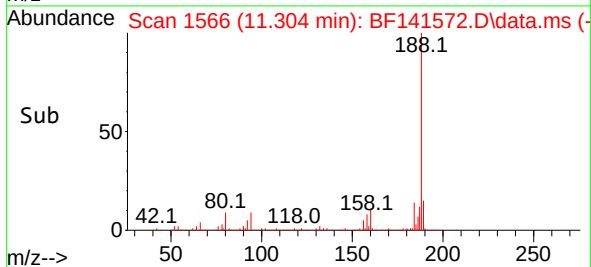
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

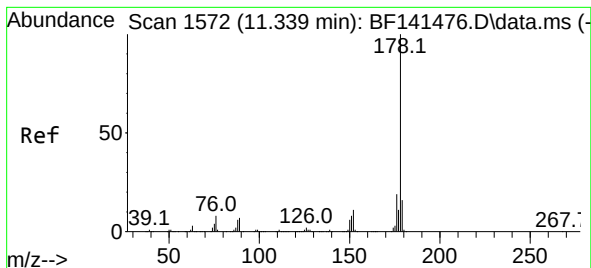


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



Tgt Ion:188 Resp: 200429
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.5 7.3 10.9





#71

Phenanthrene

Concen: 29.861 ng

RT: 11.327 min Scan# 1570

Delta R.T. -0.018 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825

Tgt Ion:178 Resp: 32945

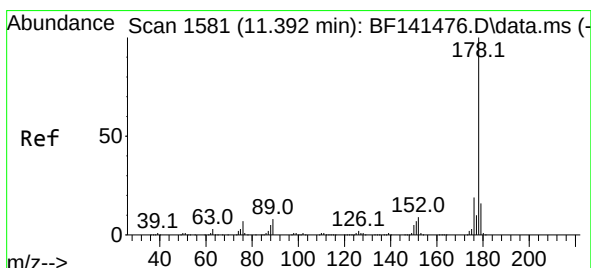
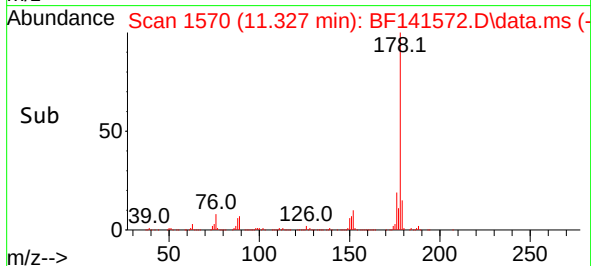
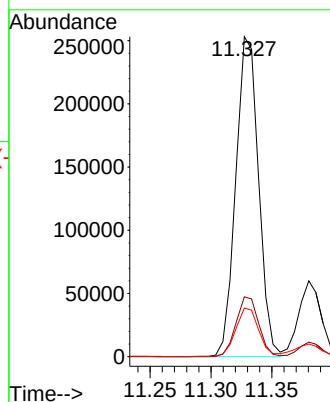
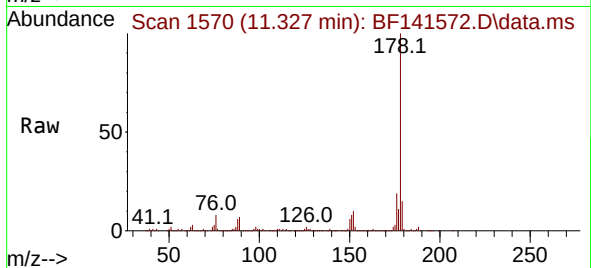
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.2	12.4	18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#72

Anthracene

Concen: 7.022 ng

RT: 11.380 min Scan# 1579

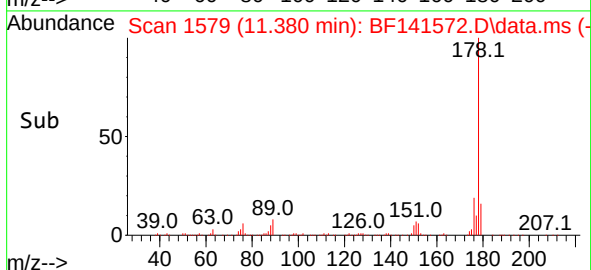
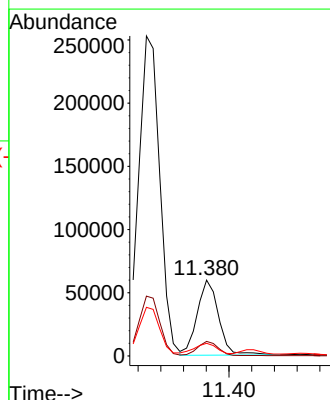
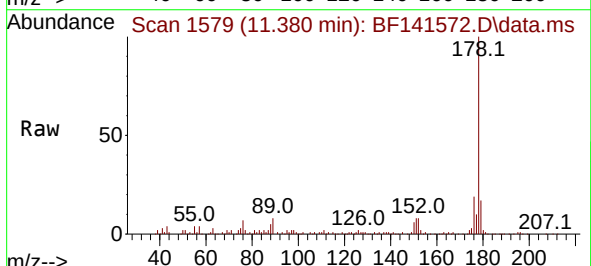
Delta R.T. -0.018 min

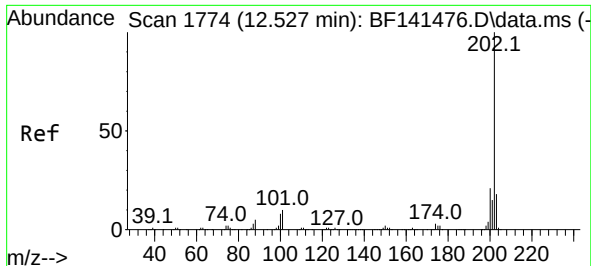
Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Tgt Ion:178 Resp: 77876

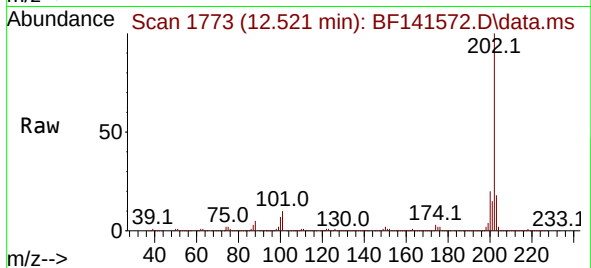
Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	16.7	12.4	18.6





#75
Fluoranthene
Concen: 54.756 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

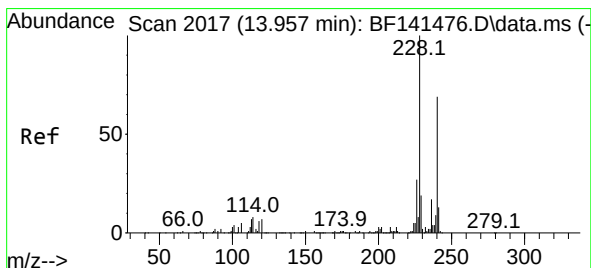
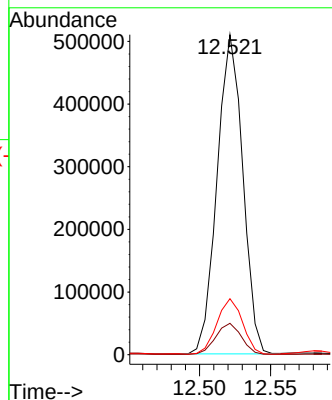
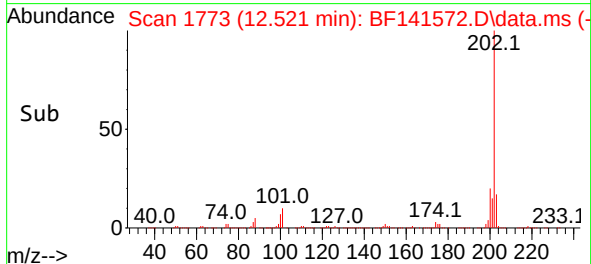
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



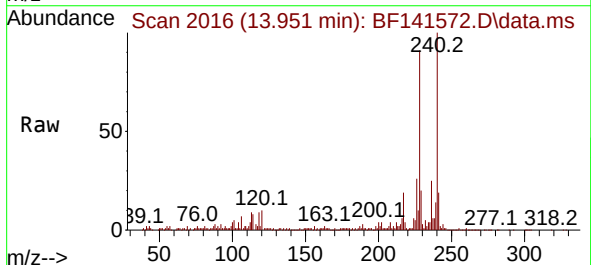
Tgt Ion:202 Resp: 64047
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.5 0.0 37.6

Manual Integrations
APPROVED

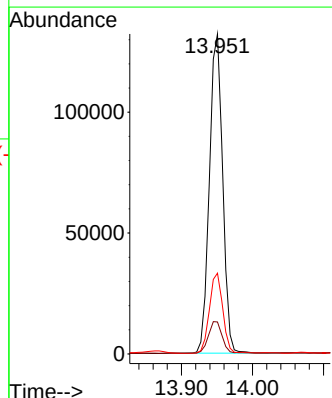
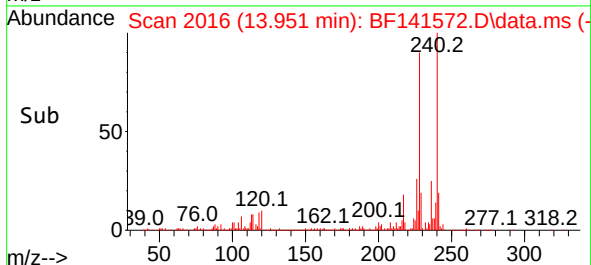
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

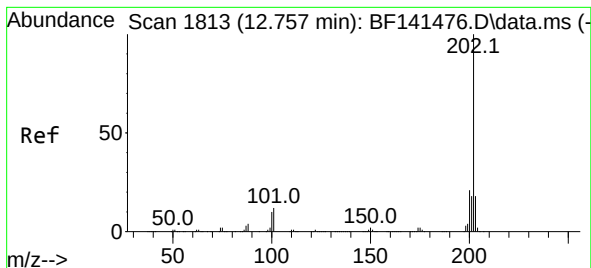


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



Tgt Ion:240 Resp: 171735
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.3 19.8 29.8





#78

Pyrene

Concen: 44.840 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825

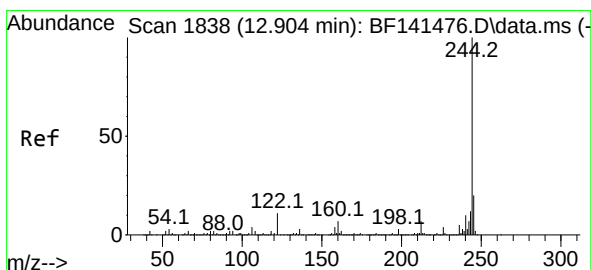
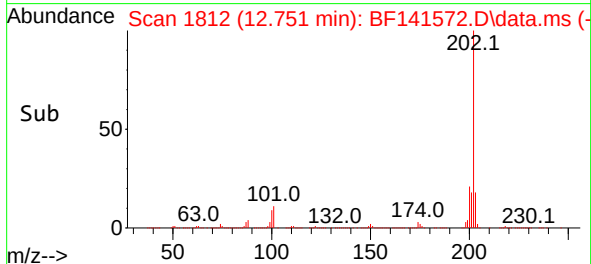
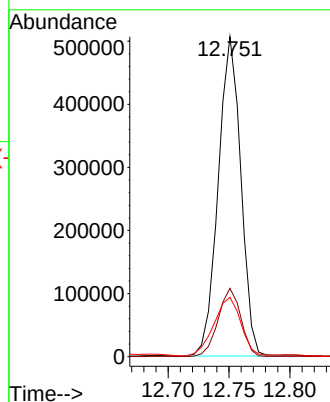
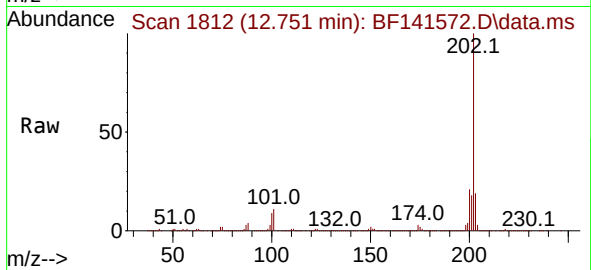
Tgt Ion:	202	Resp:	65553
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.0	25.4
203	18.5	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 63.326 ng

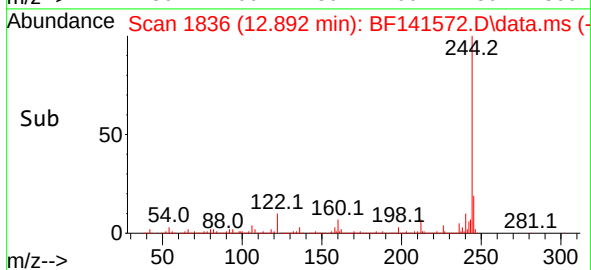
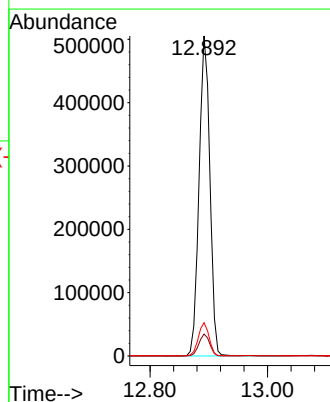
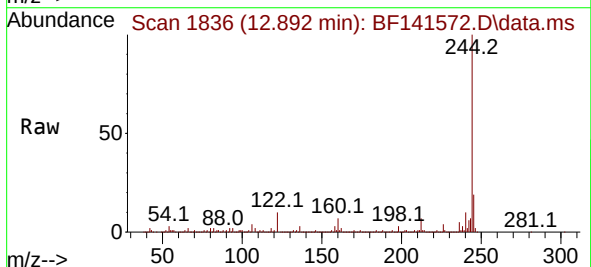
RT: 12.892 min Scan# 1836

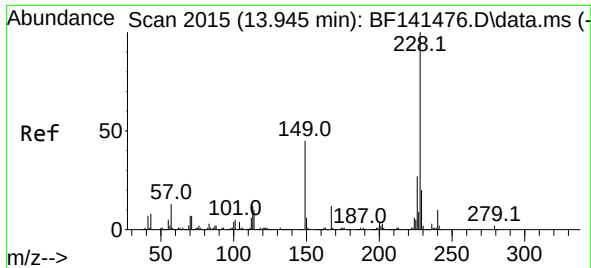
Delta R.T. -0.012 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

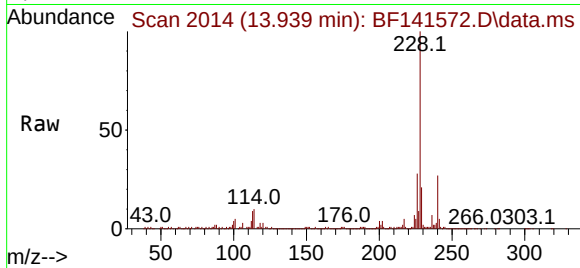
Tgt Ion:	244	Resp:	644205
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	10.4	8.4	12.6





#81
Benzo(a)anthracene
Concen: 33.043 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

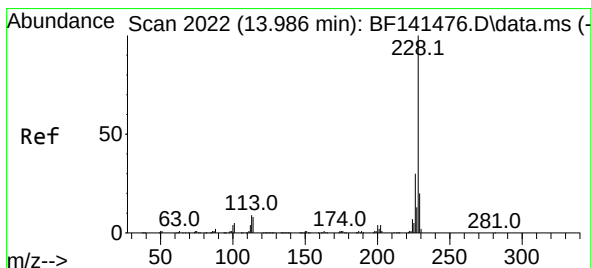
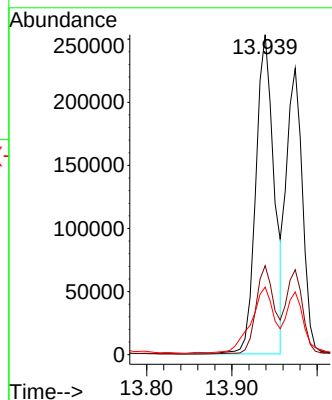
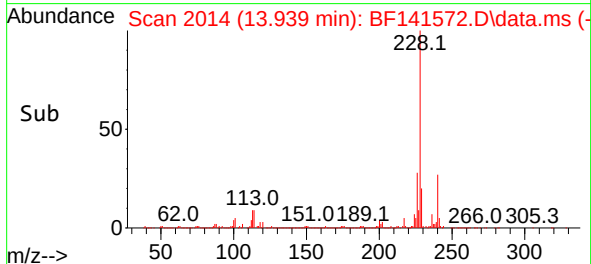
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



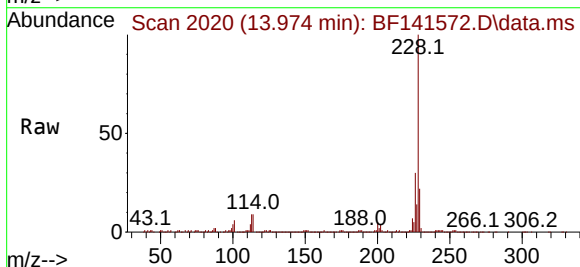
Tgt Ion:228 Resp: 37721
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.1 15.8 23.6

Manual Integrations
APPROVED

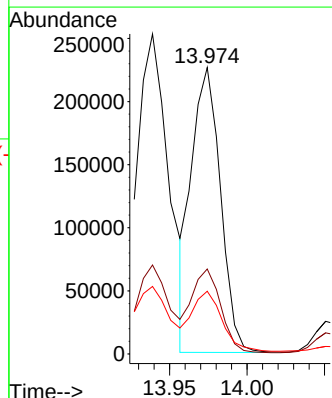
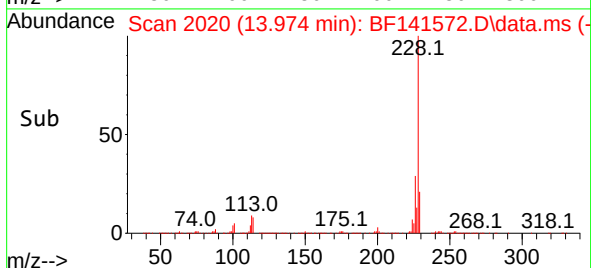
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

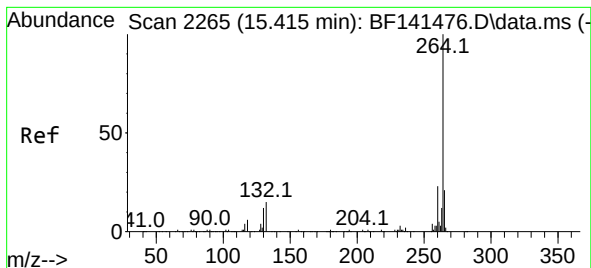


#83
Chrysene
Concen: 27.794 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



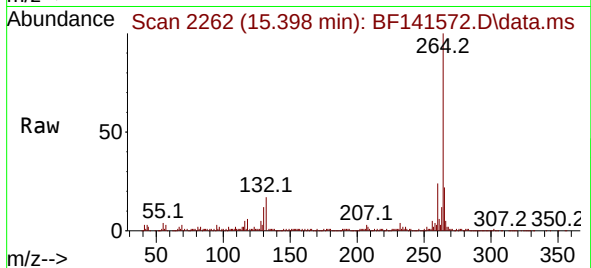
Tgt Ion:228 Resp: 292972
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 21.9 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

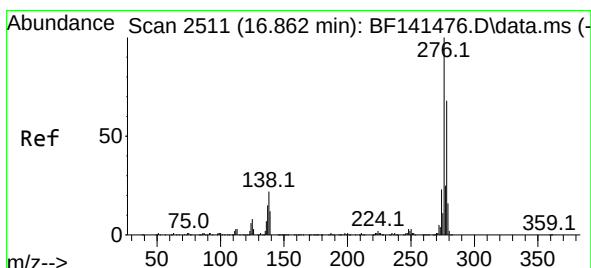
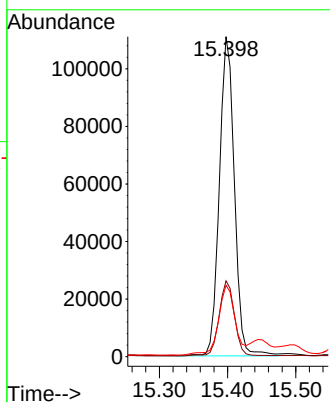
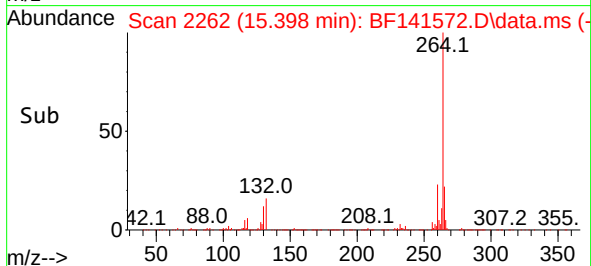
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



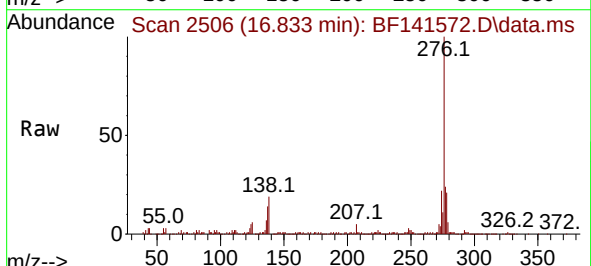
Tgt Ion:264 Resp: 17019
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.3 17.0 25.4

Manual Integrations
APPROVED

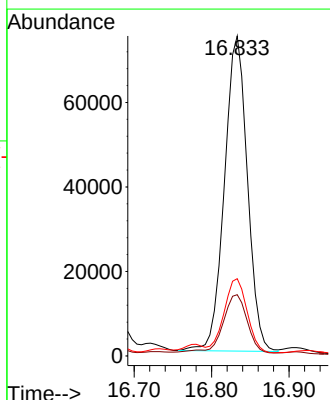
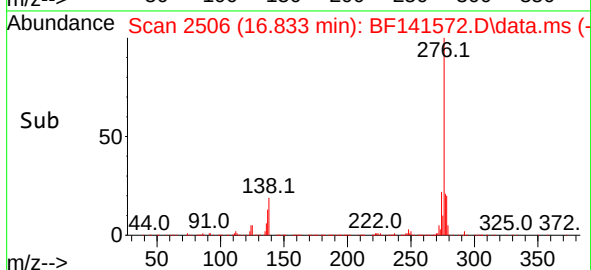
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

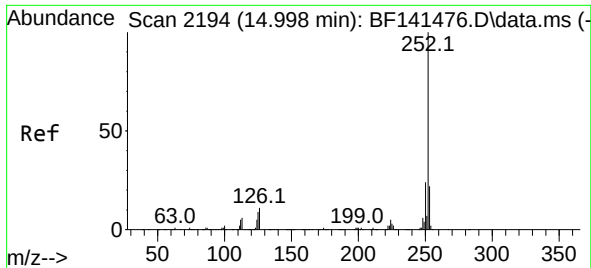


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.631 ng
RT: 16.833 min Scan# 2506
Delta R.T. -0.041 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



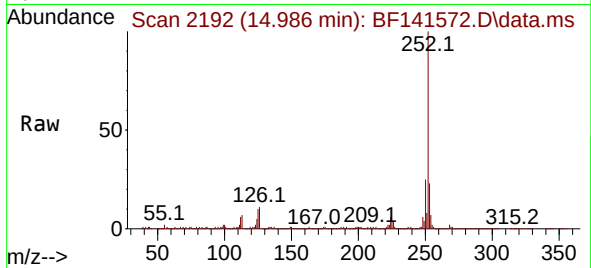
Tgt Ion:276 Resp: 153860
Ion Ratio Lower Upper
276 100
138 19.5 18.0 27.0
277 23.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 36.798 ng m
RT: 14.986 min Scan# 2194
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

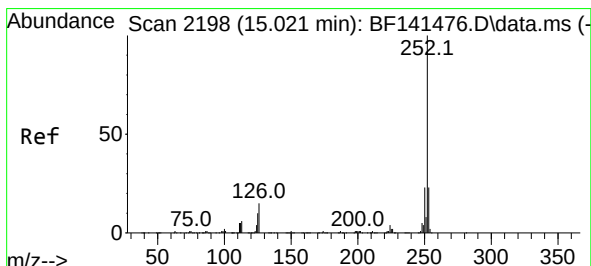
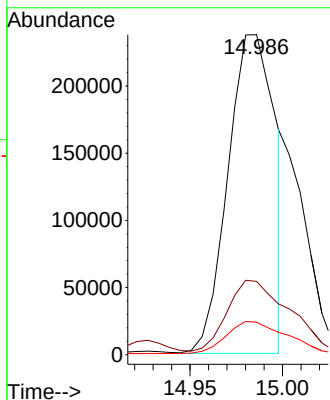
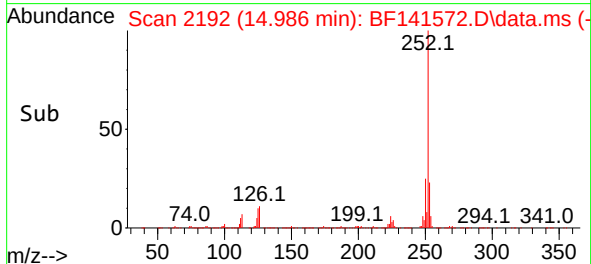
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



Tgt Ion:252 Resp: 42050
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.2 7.0 10.6

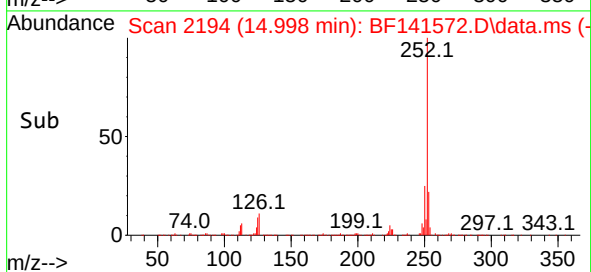
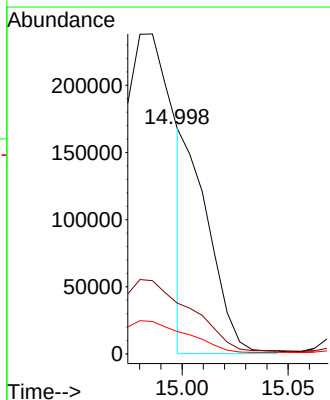
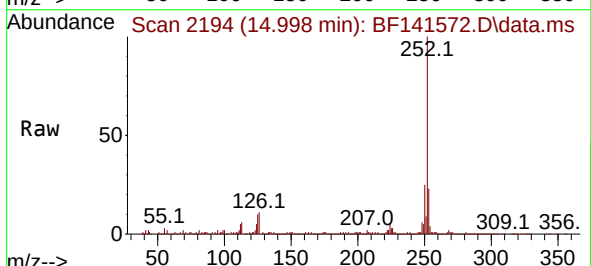
Manual Integrations
APPROVED

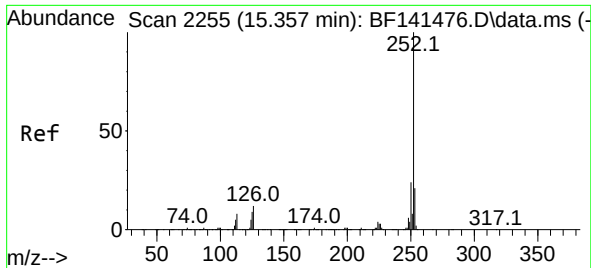
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 14.089 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Tgt Ion:252 Resp: 137481
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 10.0 7.4 11.0





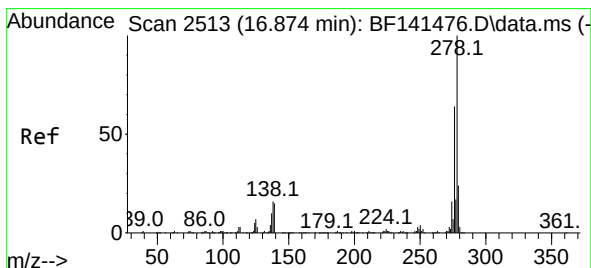
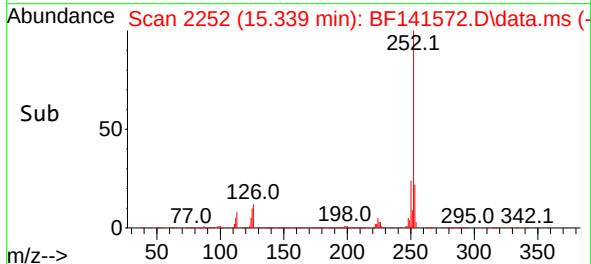
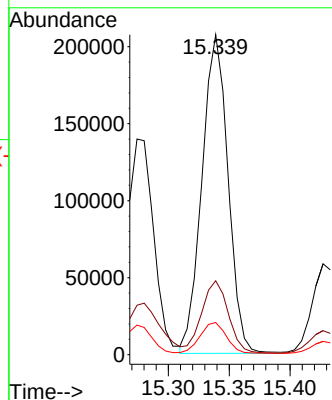
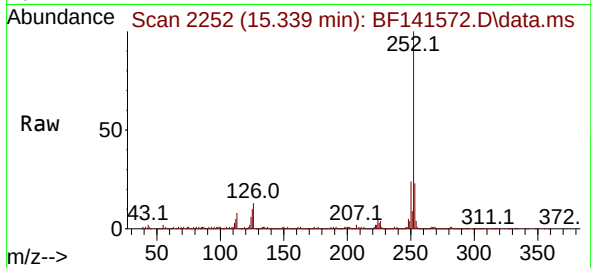
#90
Benzo(a)pyrene
Concen: 33.402 ng
RT: 15.339 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Tgt Ion:252 Resp: 30886
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 10.0 7.4 11.2

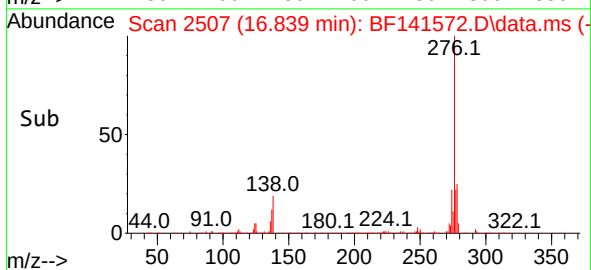
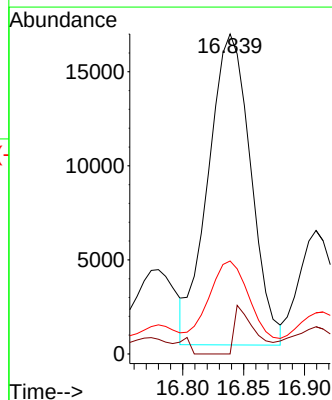
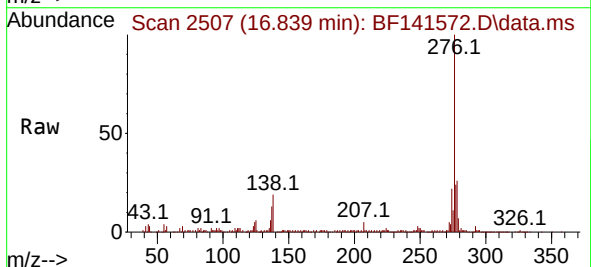
Manual Integrations
APPROVED

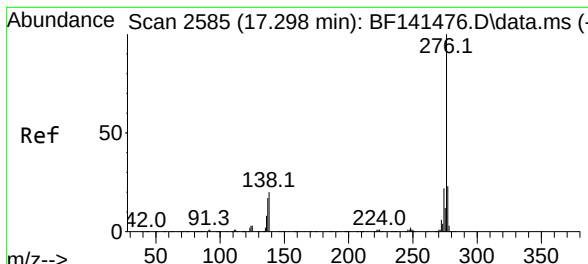
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.719 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.053 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

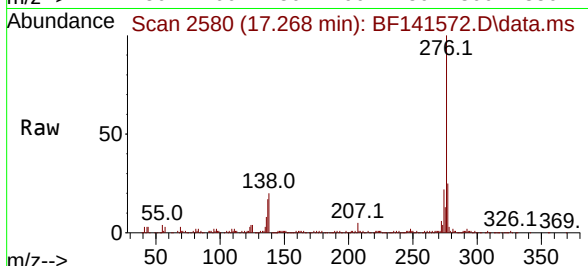
Tgt Ion:278 Resp: 40207
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 29.1 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 16.567 ng
 RT: 17.268 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF141572.D
 Acq: 11 Feb 2025 19:45

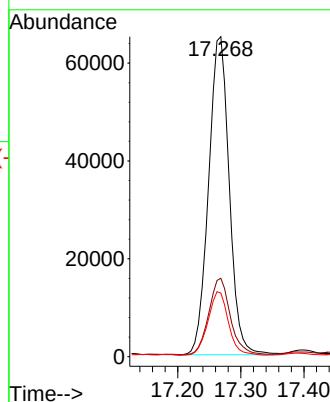
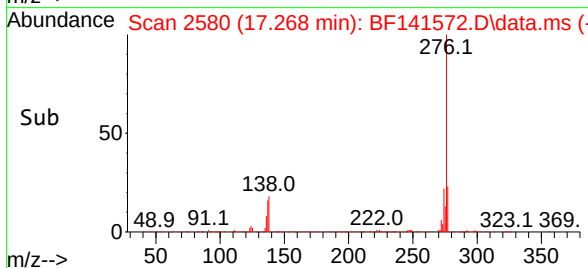
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825



Tgt Ion:	276	Resp:	147728
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.6	28.0
138	19.9	15.9	23.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141572.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.487	403	407	412	rBV	15411	21752	1.03%	0.079%
2	4.993	489	493	505	rVB	13226	23403	1.10%	0.085%
3	5.404	558	563	584	rBV	1324583	1850898	87.22%	6.689%
4	6.422	731	736	755	rBV	1356989	1907423	89.88%	6.893%
5	6.787	793	798	805	rBV	347697	438045	20.64%	1.583%
6	7.345	887	893	904	rBV	931444	1274016	60.04%	4.604%
7	7.604	931	937	949	rBV	34871	57135	2.69%	0.206%
8	8.069	1010	1016	1032	rBV	406212	617627	29.10%	2.232%
9	8.292	1050	1054	1061	rVB	15234	21289	1.00%	0.077%
10	9.139	1193	1198	1207	rBV	1620659	2122115	100.00%	7.669%
11	9.222	1207	1212	1217	rBV2	19141	30701	1.45%	0.111%
12	9.480	1249	1256	1258	rBV	20516	32600	1.54%	0.118%
13	9.751	1295	1302	1306	rBV	36462	51248	2.41%	0.185%
14	9.822	1307	1314	1317	rVV	442910	598302	28.19%	2.162%
15	9.851	1317	1319	1324	rVB	72796	81840	3.86%	0.296%
16	9.980	1336	1341	1344	rBV3	18235	29232	1.38%	0.106%
17	10.027	1344	1349	1353	rVV2	36642	64236	3.03%	0.232%
18	10.069	1353	1356	1365	rVB6	17780	32631	1.54%	0.118%
19	10.251	1380	1387	1391	rBV	64928	95704	4.51%	0.346%
20	10.369	1402	1407	1413	rBV2	42591	66755	3.15%	0.241%
21	10.433	1413	1418	1419	rVV3	14555	23327	1.10%	0.084%
22	10.469	1420	1424	1430	rVV	37160	78805	3.71%	0.285%
23	10.533	1430	1435	1442	rVV2	166173	238469	11.24%	0.862%
24	10.610	1442	1448	1459	rVV	881493	1187200	55.94%	4.290%
25	10.727	1463	1468	1476	rVB	98220	169100	7.97%	0.611%
26	10.916	1495	1500	1503	rBV4	24986	45207	2.13%	0.163%
27	11.063	1518	1525	1530	rBV3	23156	56507	2.66%	0.204%
28	11.110	1530	1533	1537	rVV	31242	39959	1.88%	0.144%
29	11.169	1537	1543	1546	rVV3	94588	151338	7.13%	0.547%
30	11.204	1546	1549	1554	rVB	68322	95059	4.48%	0.344%
31	11.304	1561	1566	1568	rBV	400063	544036	25.64%	1.966%
32	11.327	1568	1570	1575	rVV	601906	738034	34.78%	2.667%
33	11.380	1575	1579	1583	rVB	126750	163431	7.70%	0.591%
34	11.539	1602	1606	1612	rBV3	31582	59862	2.82%	0.216%
35	11.598	1612	1616	1620	rBV2	90325	111030	5.23%	0.401%
36	11.763	1641	1644	1647	rBV3	16944	24230	1.14%	0.088%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.810	1647	1652	1653	rVV	86615	110528	5.21%	0.399%
38	11.839	1653	1657	1661	rVV	265468	382908	18.04%	1.384%
39	11.880	1662	1664	1667	rVV	54859	75584	3.56%	0.273%
40	11.921	1667	1671	1679	rVB	157833	319243	15.04%	1.154%
41	12.010	1681	1686	1690	rBV	64183	95516	4.50%	0.345%
42	12.104	1698	1702	1705	rBV	66276	88107	4.15%	0.318%
43	12.251	1723	1727	1730	rBV	46753	61537	2.90%	0.222%
44	12.357	1741	1745	1748	rBV	58651	80634	3.80%	0.291%
45	12.398	1748	1752	1757	rVB	77563	110954	5.23%	0.401%
46	12.445	1757	1760	1765	rVB	68152	89271	4.21%	0.323%
47	12.521	1768	1773	1778	rBV	1147673	1470558	69.30%	5.314%
48	12.621	1787	1790	1793	rBV4	31354	49312	2.32%	0.178%
49	12.751	1805	1812	1817	rBV	1128906	1678538	79.10%	6.066%
50	12.798	1817	1820	1826	rVB2	64863	101613	4.79%	0.367%
51	12.892	1828	1836	1843	rVB	1351697	1857392	87.53%	6.712%
52	12.968	1843	1849	1853	rBV3	95925	177374	8.36%	0.641%
53	13.074	1861	1867	1871	rVB2	121587	234251	11.04%	0.847%
54	13.145	1872	1879	1881	rBV2	59669	114948	5.42%	0.415%
55	13.180	1881	1885	1892	rVB3	122337	199104	9.38%	0.719%
56	13.274	1897	1901	1903	rVV	62256	77614	3.66%	0.280%
57	13.304	1903	1906	1914	rVB2	65659	96181	4.53%	0.348%
58	13.468	1930	1934	1936	rBV3	42167	64693	3.05%	0.234%
59	13.586	1950	1954	1959	rVB	91717	130030	6.13%	0.470%
60	13.692	1968	1972	1975	rBV2	97686	157203	7.41%	0.568%
61	13.721	1975	1977	1979	rVV	42672	46779	2.20%	0.169%
62	13.792	1986	1989	1993	rVB	98877	120256	5.67%	0.435%
63	13.945	2008	2015	2018	rBV2	843421	1541479	72.64%	5.570%
64	13.974	2018	2020	2027	rVB	569835	663740	31.28%	2.399%
65	14.051	2030	2033	2038	rVB	81222	95663	4.51%	0.346%
66	14.333	2077	2081	2085	rBV	107203	131813	6.21%	0.476%
67	14.462	2100	2103	2105	rBV2	44533	61965	2.92%	0.224%
68	14.980	2186	2191	2200	rBV	623308	1410861	66.48%	5.098%
69	15.086	2206	2209	2213	rVB	98398	120162	5.66%	0.434%
70	15.274	2237	2241	2247	rVB	343000	554722	26.14%	2.005%
71	15.339	2247	2252	2257	rVB	504155	733294	34.55%	2.650%
72	15.398	2257	2262	2265	rBV	281572	448851	21.15%	1.622%
73	16.833	2500	2506	2515	rVB2	206755	432767	20.39%	1.564%
74	17.268	2573	2580	2590	rBV	156946	344622	16.24%	1.245%

Sum of corrected areas: 27672613

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

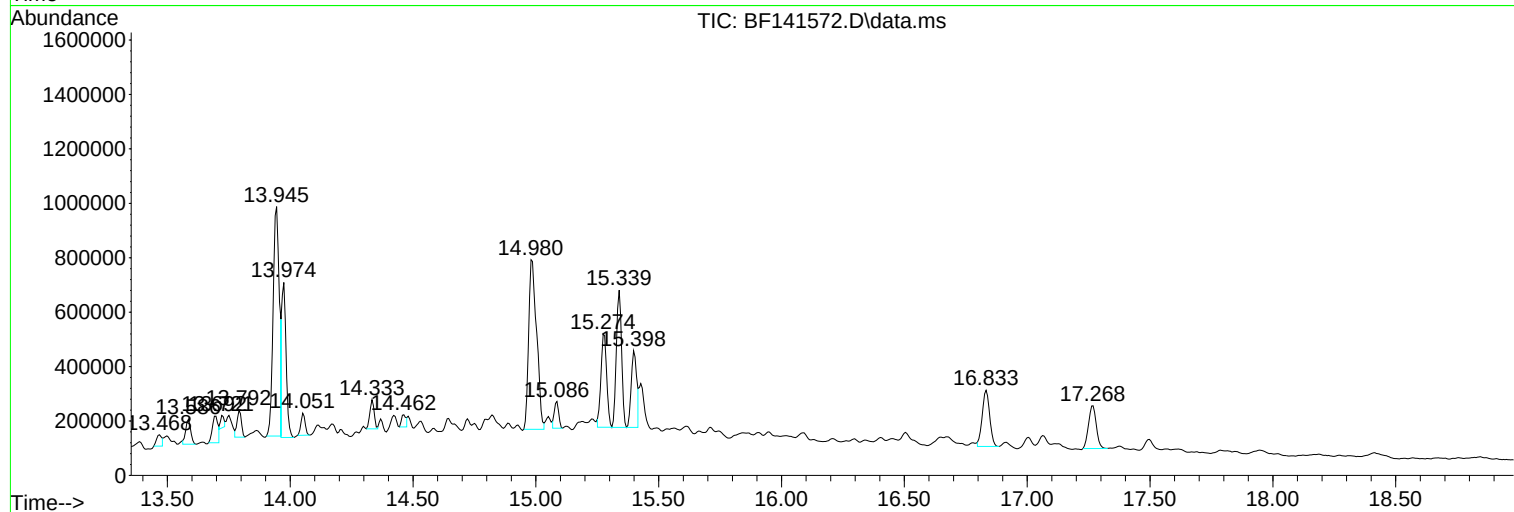
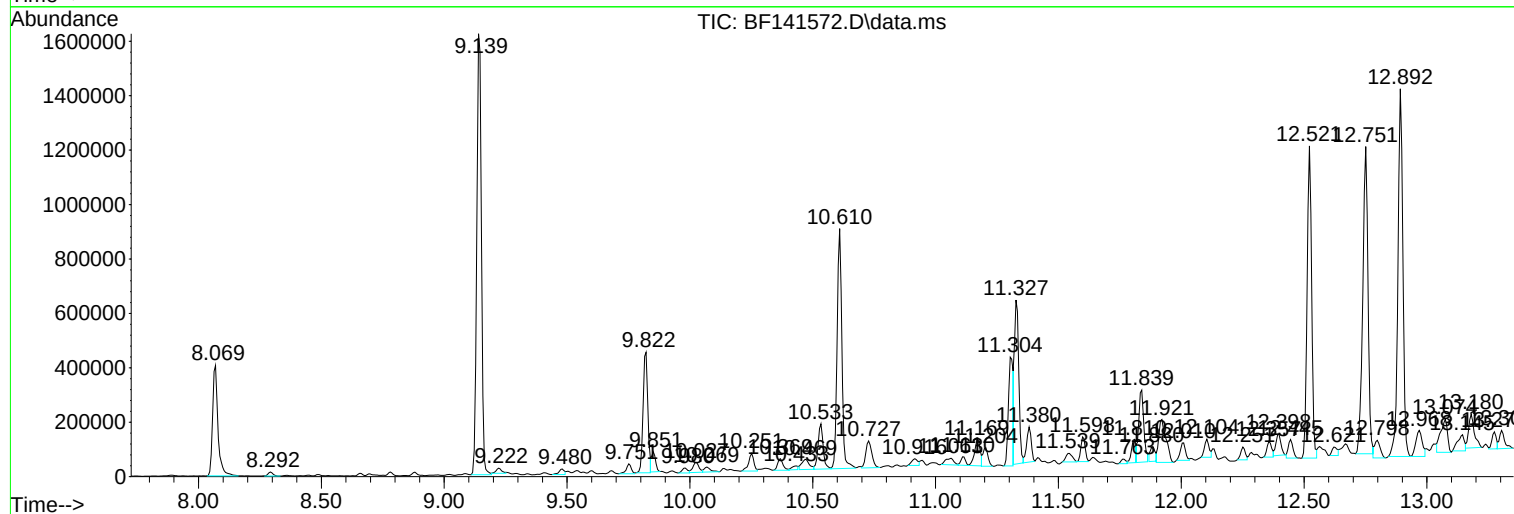
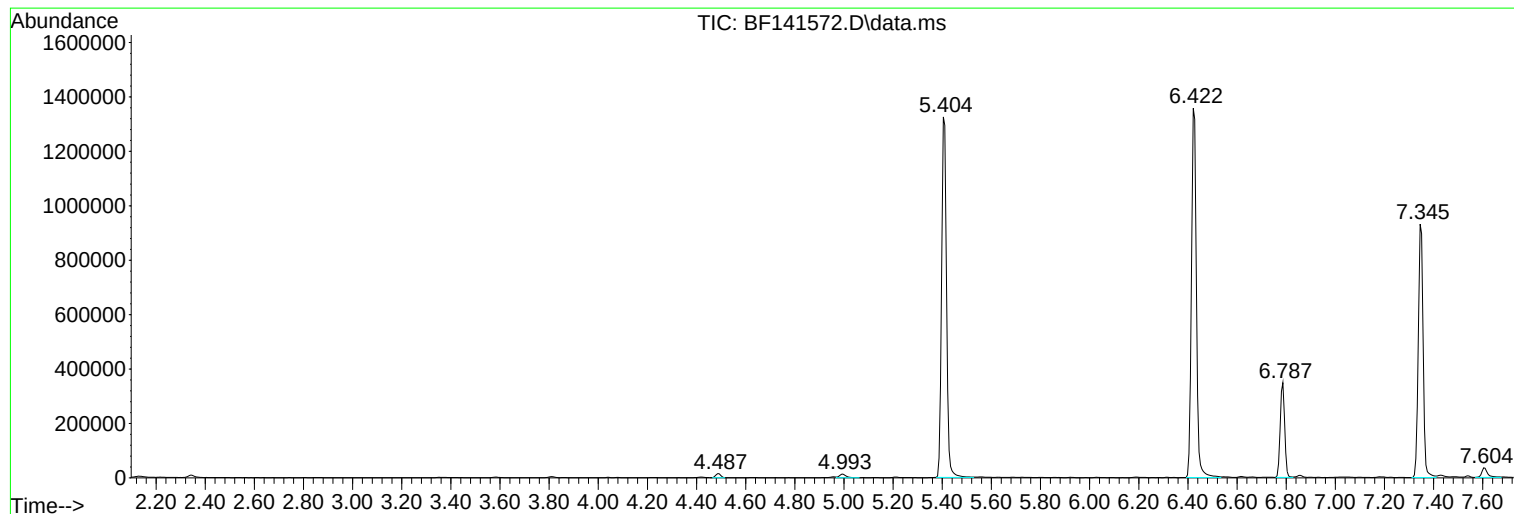
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

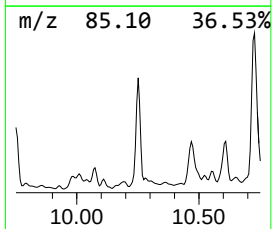
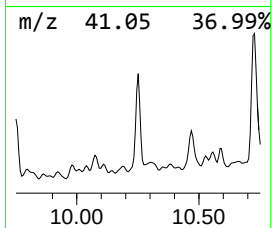
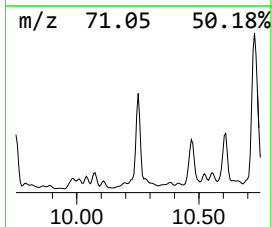
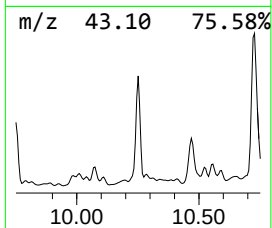
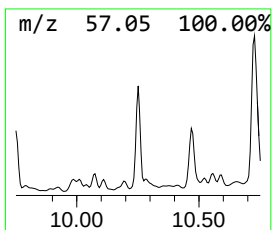
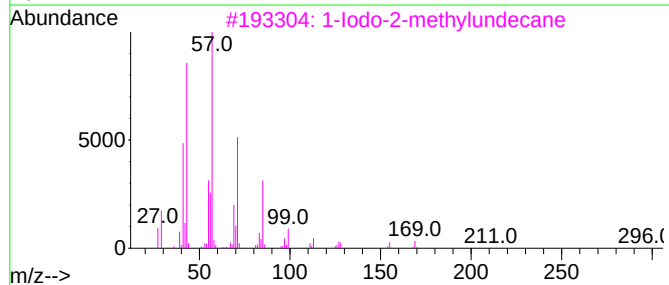
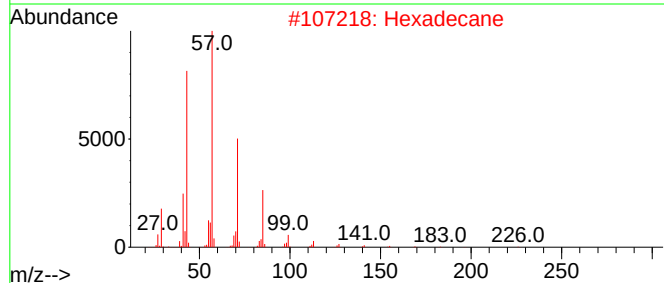
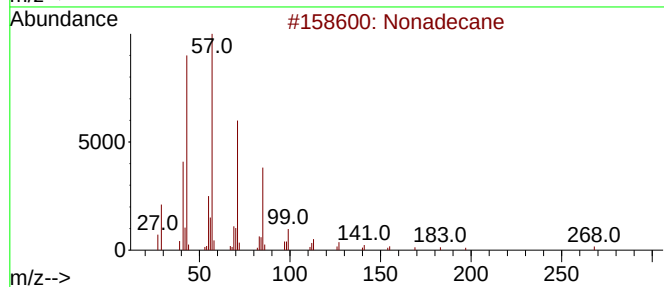
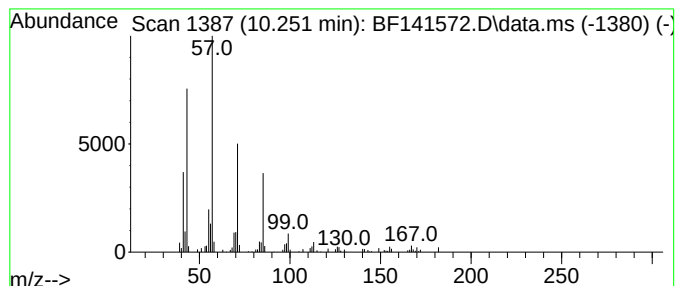
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	3.20 ng	95704	Acenaphthene-d10	9.822

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	87
2			Hexadecane	226	C16H34	000544-76-3	87
3			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	86
4			Heptadecane	240	C17H36	000629-78-7	86
5			5-Ethyldecane	170	C12H26	017302-36-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

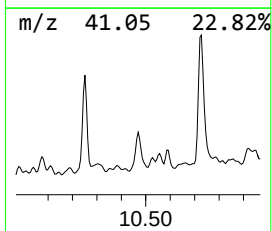
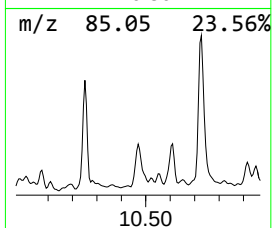
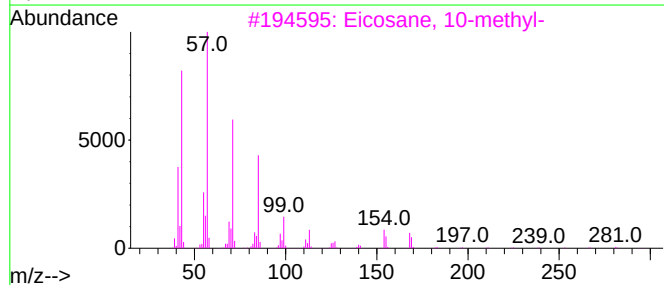
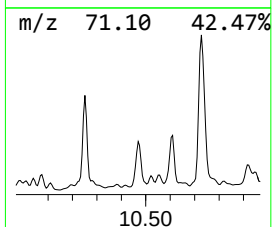
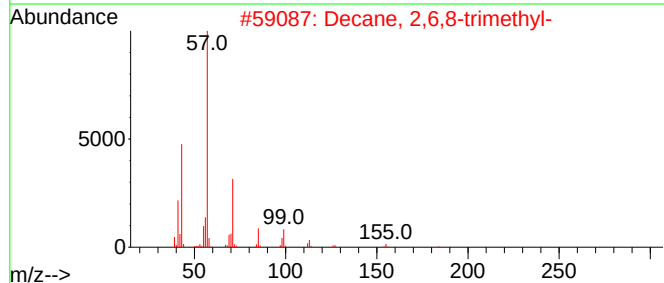
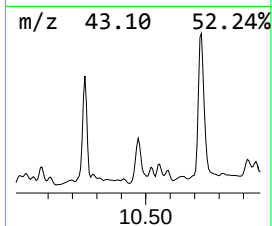
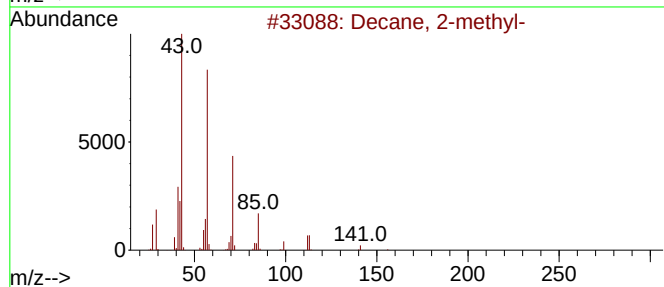
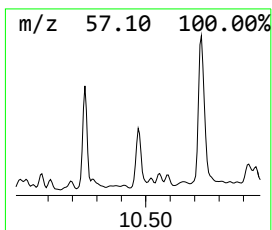
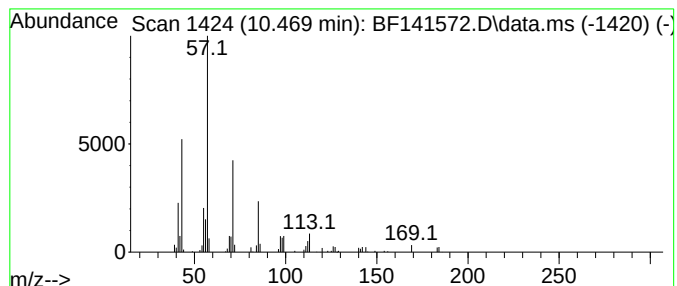
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Decane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	2.63 ng	78805	Acenaphthene-d10	9.822

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2-methyl-	156	C11H24	006975-98-0	74
2			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
3			Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
4			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5			Decane, 3-methyl-	156	C11H24	013151-34-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

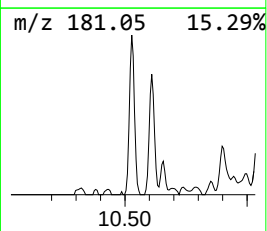
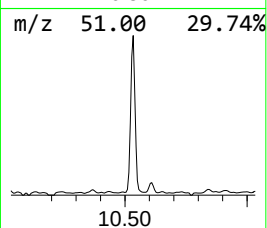
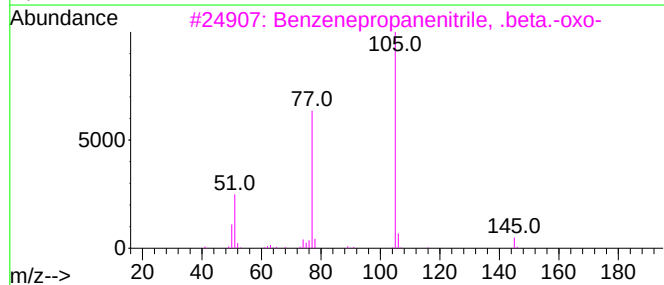
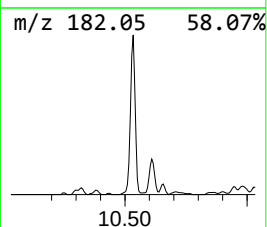
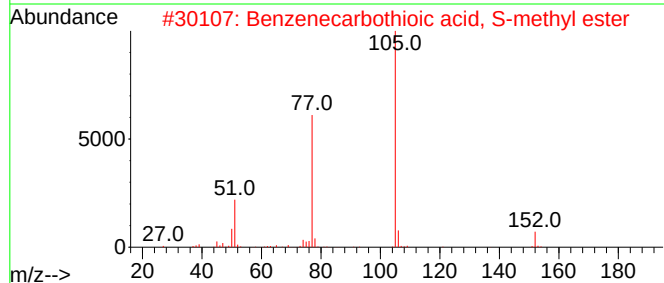
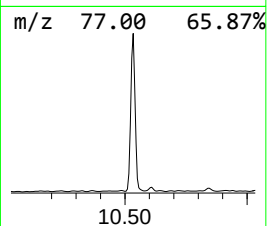
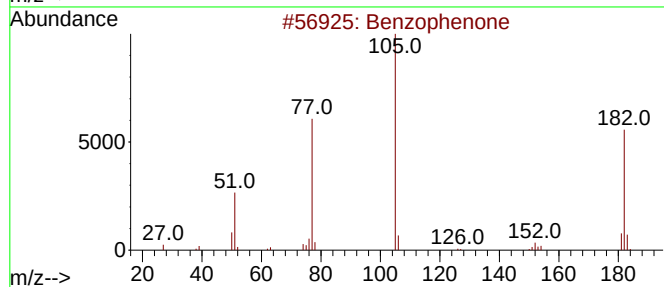
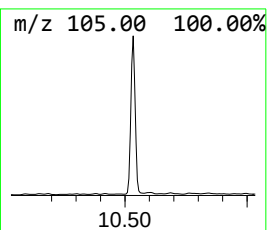
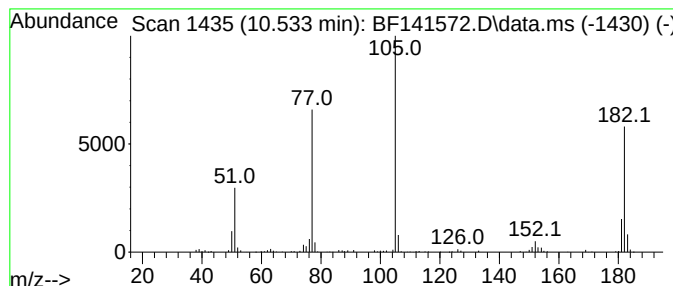
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.533	7.97 ng	238469	Acenaphthene-d10	9.822

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47



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Operator : RC/JU
Sample : Q1215-03
Misc :
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Instrument :
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ClientSampleId :
JPP-29.1-012825

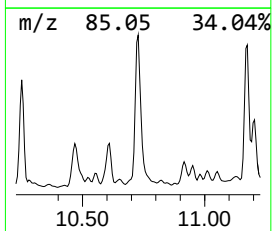
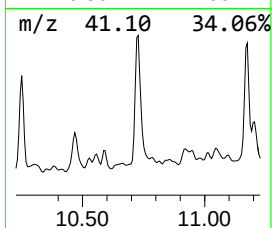
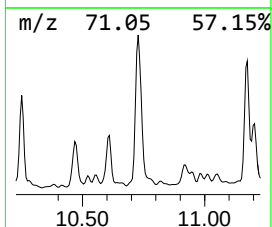
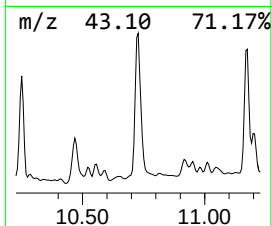
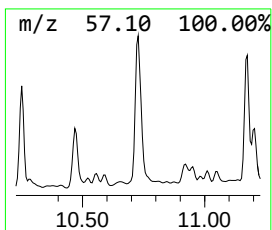
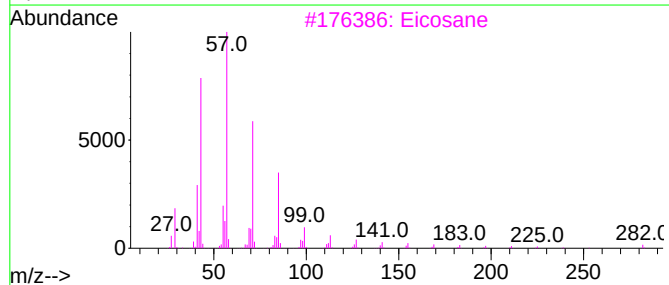
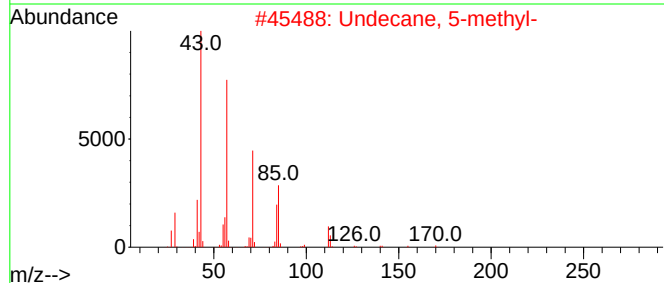
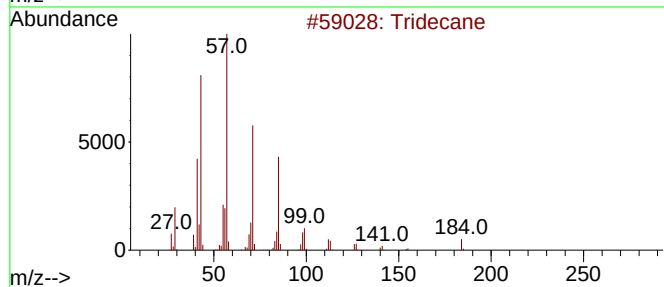
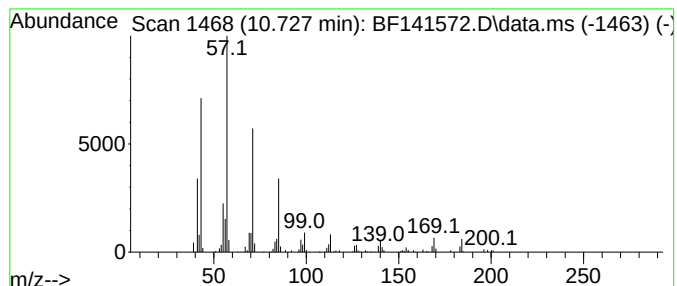
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.727	6.22 ng	169100	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	91
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	74
3		Eicosane	282	C20H42	000112-95-8	74
4		Pentadecane	212	C15H32	000629-62-9	72
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
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Instrument :
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ClientSampleId :
JPP-29.1-012825

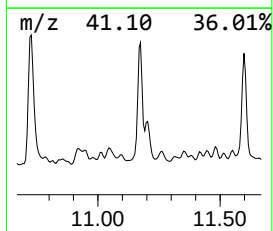
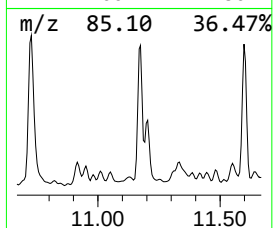
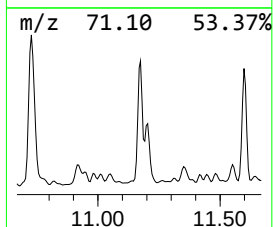
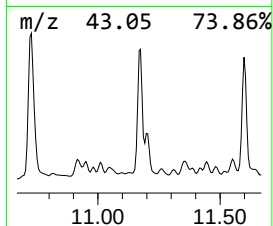
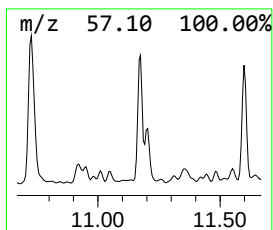
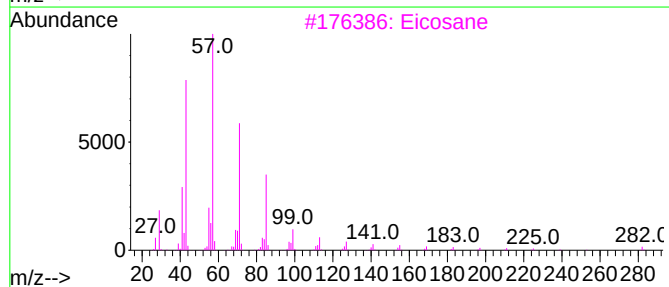
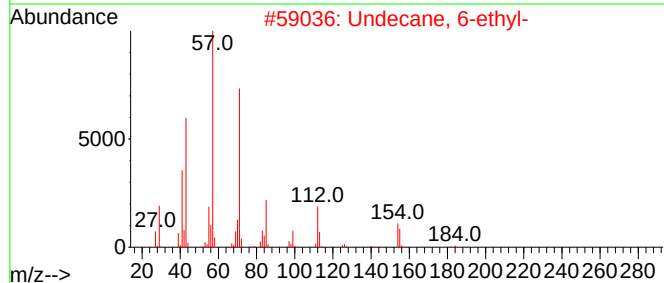
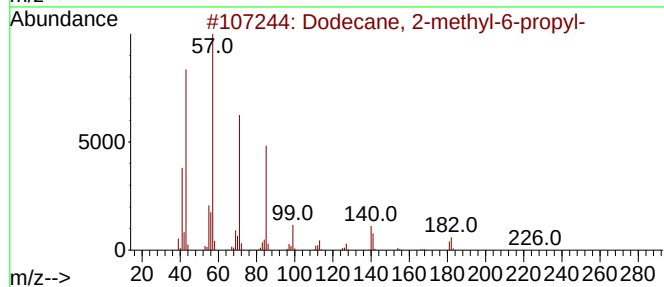
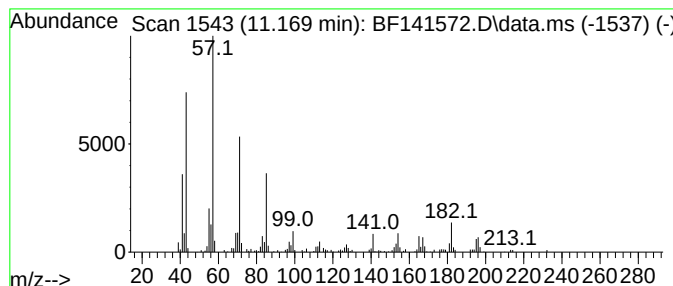
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2-methyl-6-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	5.56 ng	151338	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
2			Undecane, 6-ethyl-	184	C13H28	017312-60-6	70
3			Eicosane	282	C20H42	000112-95-8	68
4			Nonadecane	268	C19H40	000629-92-5	68
5			Pentadecane	212	C15H32	000629-62-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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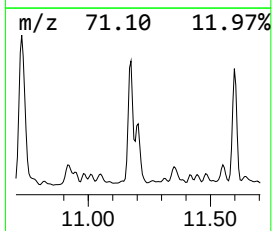
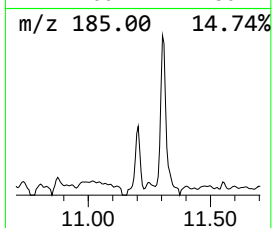
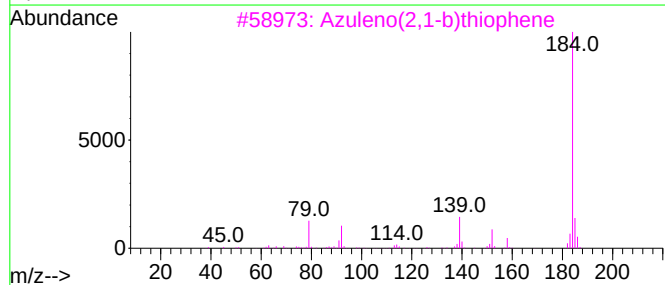
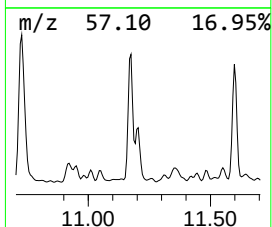
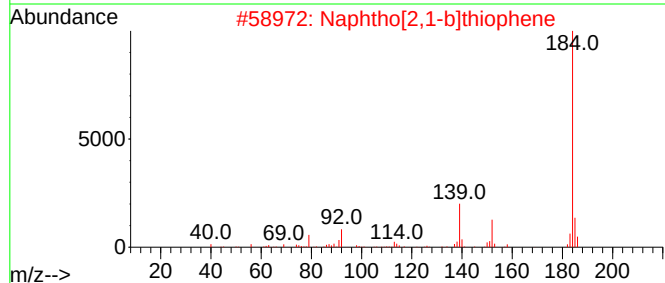
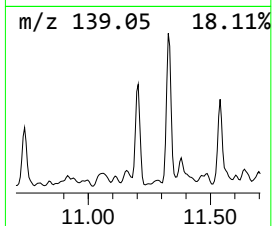
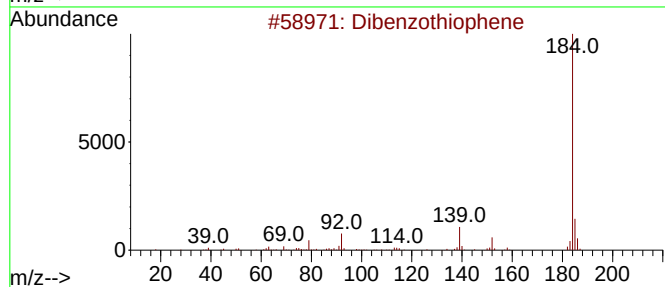
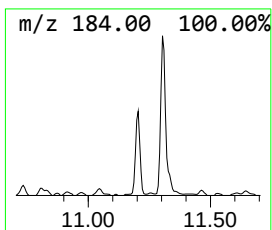
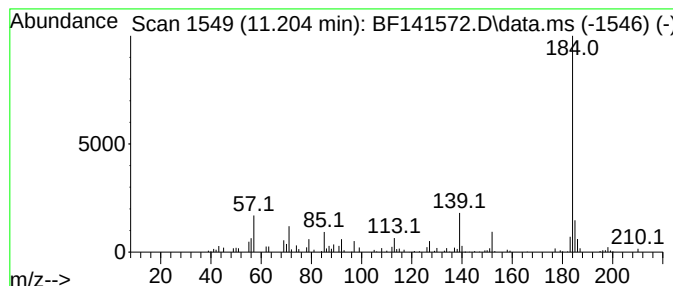
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	3.49 ng	95059	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	94
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	74
5			1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
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Instrument :
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ClientSampleId :
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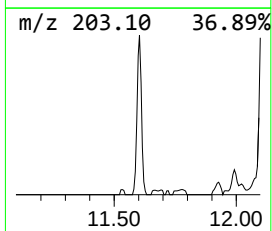
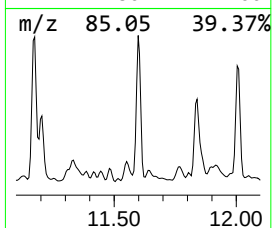
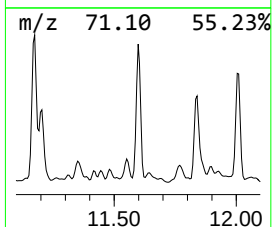
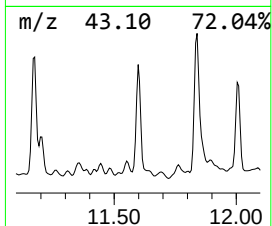
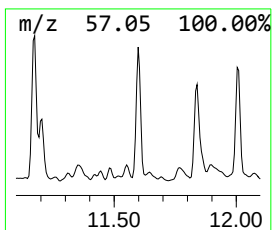
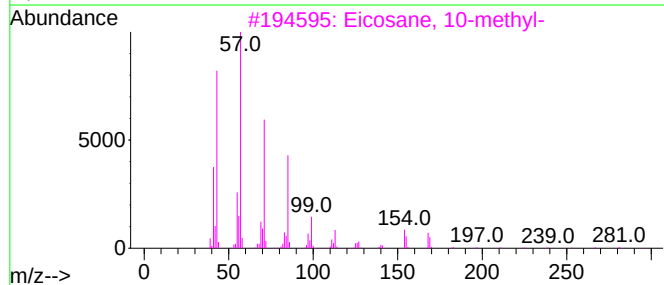
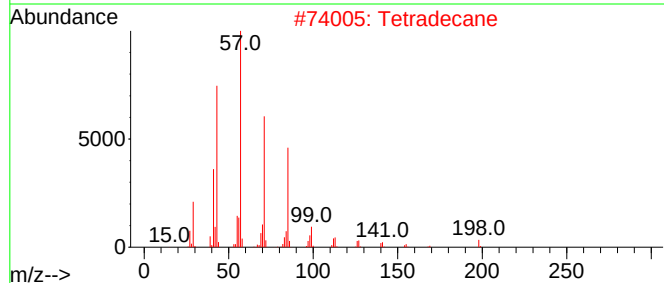
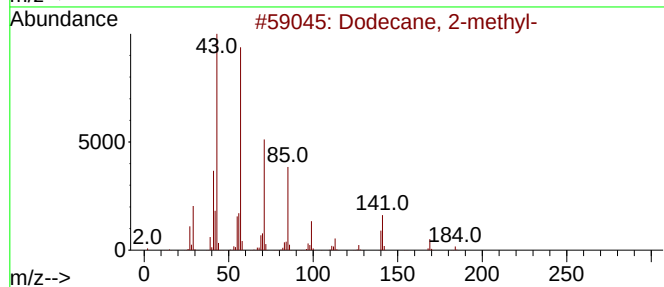
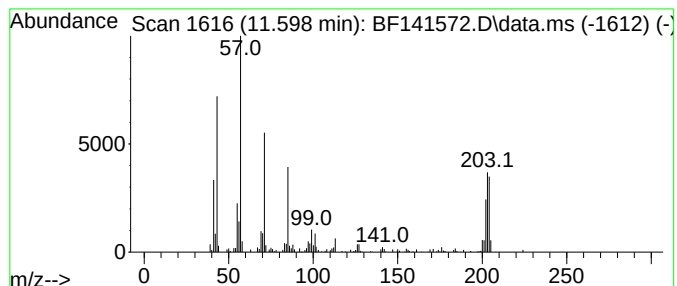
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.598	4.08 ng	111030	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
2			Tetradecane	198	C14H30	000629-59-4	78
3			Eicosane, 10-methyl-	296	C21H44	054833-23-7	49
4			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49
5			Tetracosane	338	C24H50	000646-31-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
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Instrument :
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ClientSampleId :
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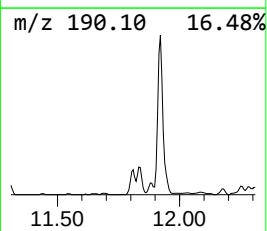
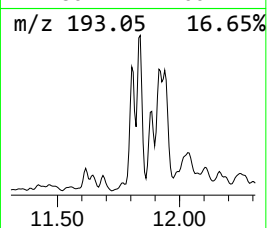
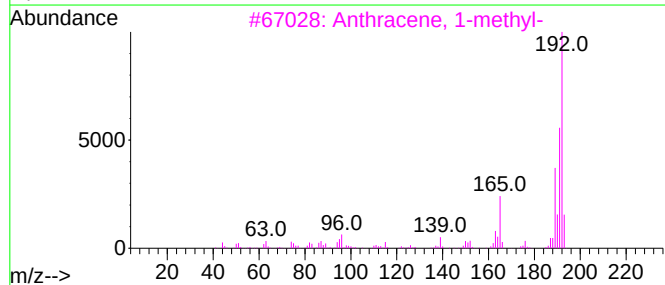
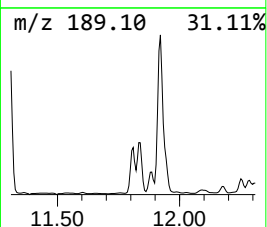
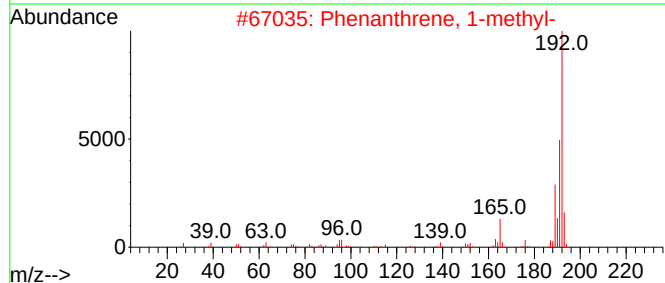
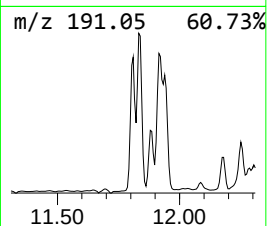
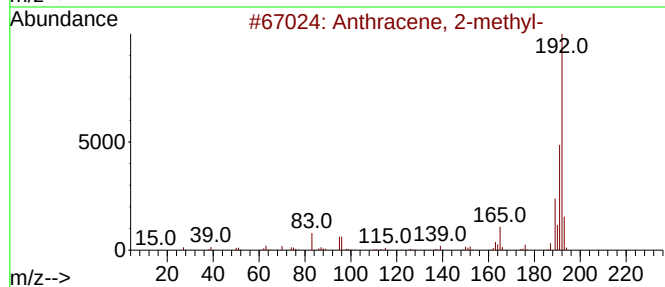
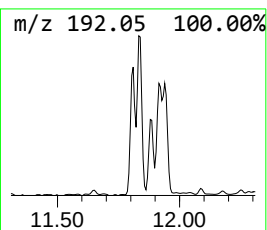
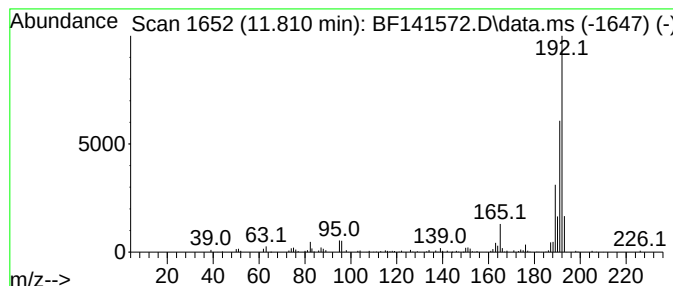
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	4.06 ng	110528	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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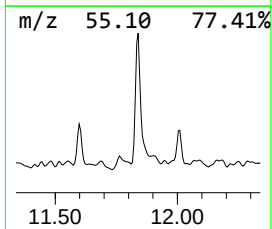
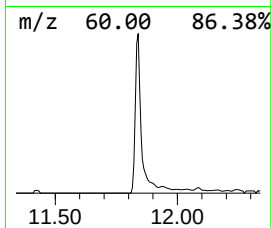
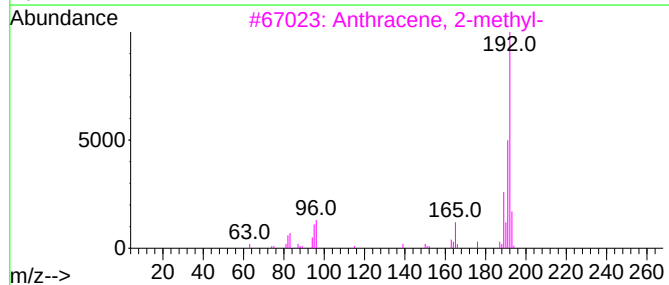
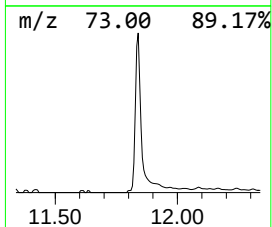
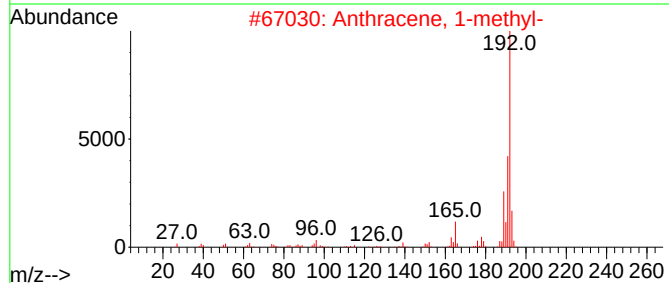
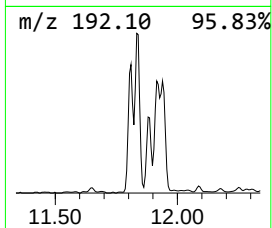
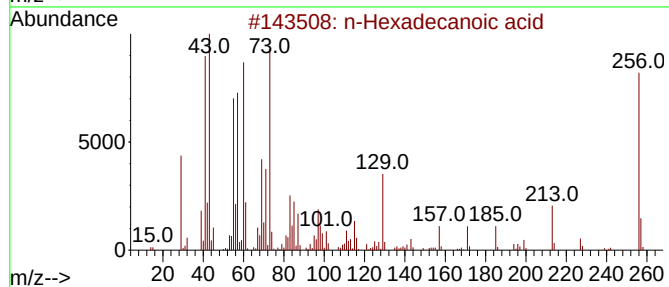
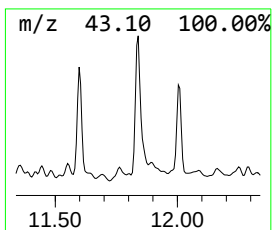
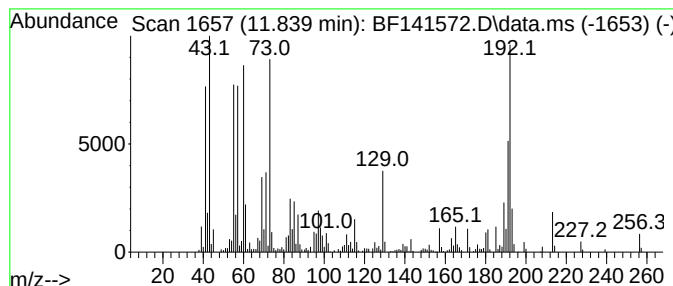
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.839	14.08 ng	382908	Phenanthrene-d10		11.304	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	97
2	Anthracene, 1-methyl-		192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	89
4	Tridecanoic acid		214	C13H26O2	000638-53-9	86
5	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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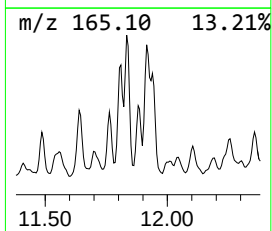
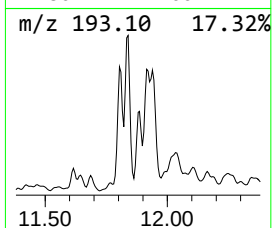
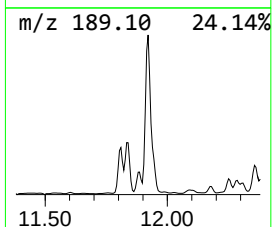
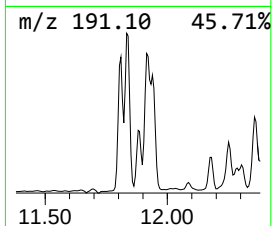
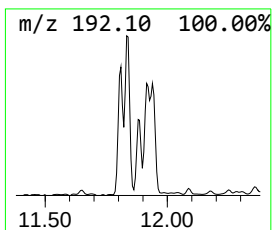
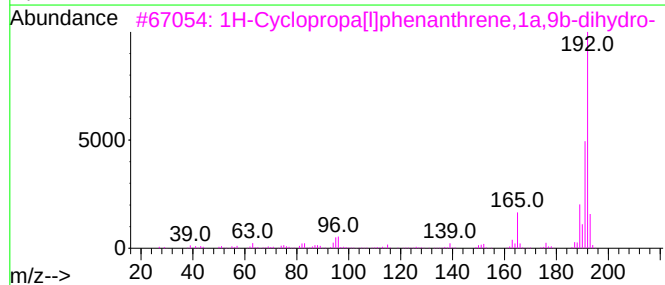
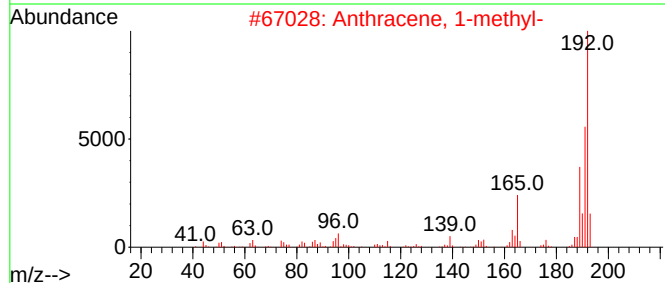
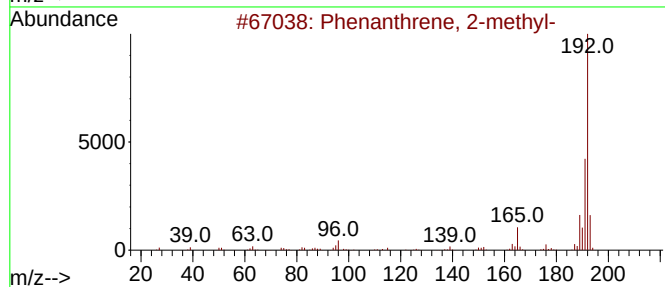
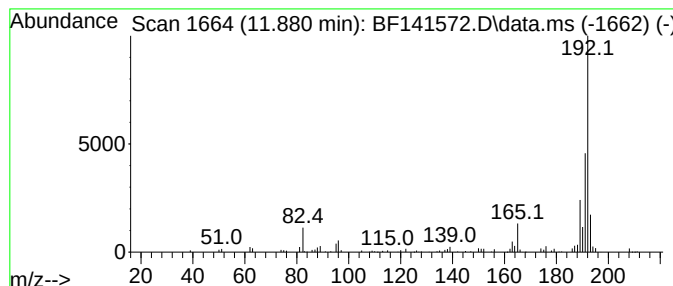
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.880	2.78 ng	75584	Phenanthrene-d10	11.304	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91



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Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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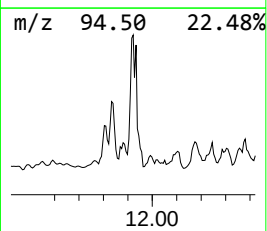
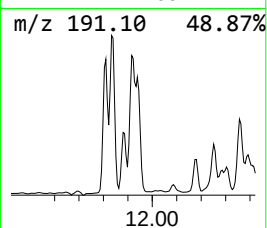
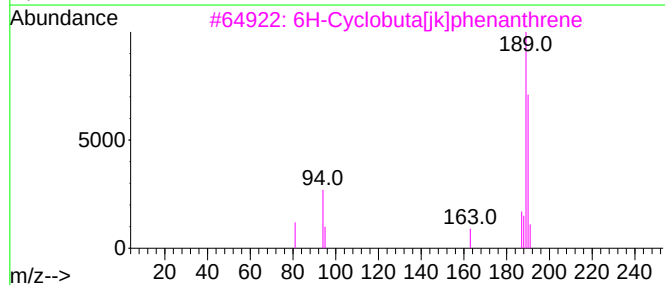
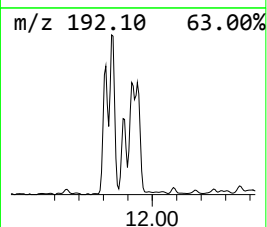
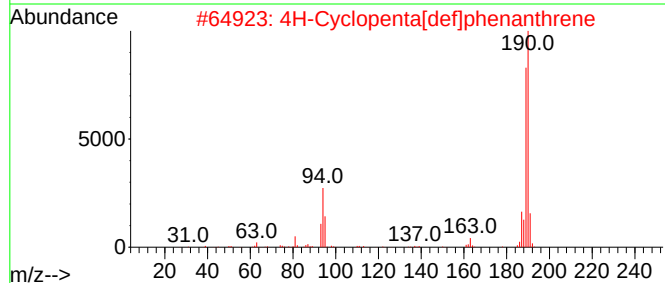
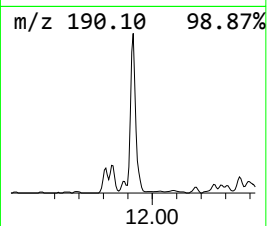
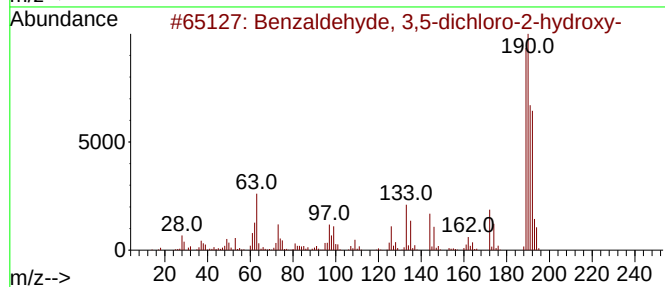
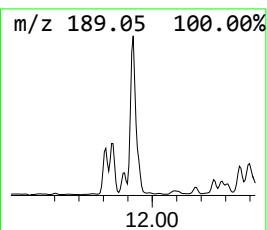
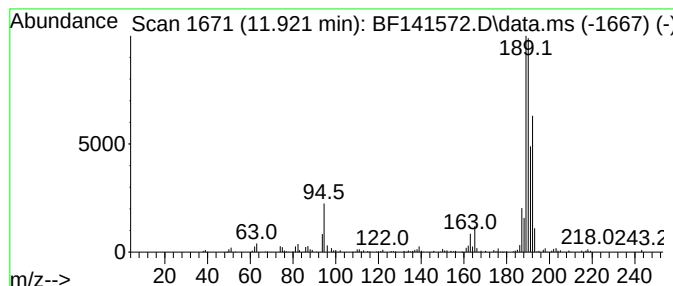
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	11.74 ng	319243	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4		Methyl diselenide	190	C2H6Se2	007101-31-7	41
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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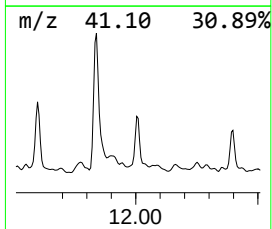
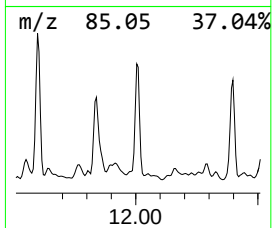
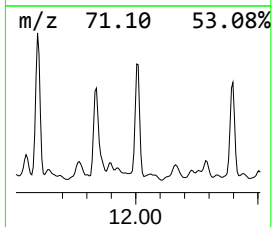
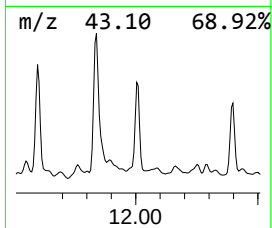
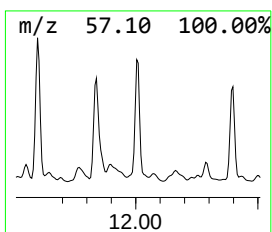
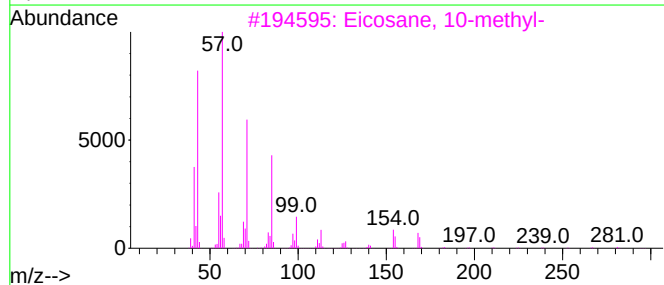
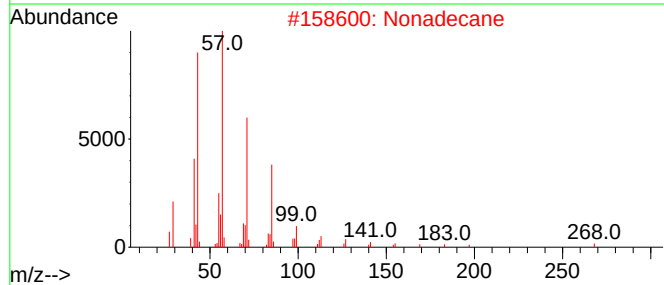
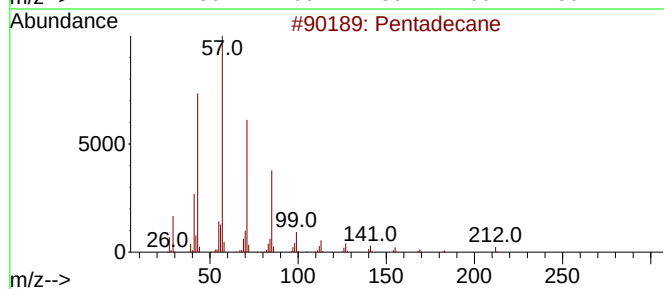
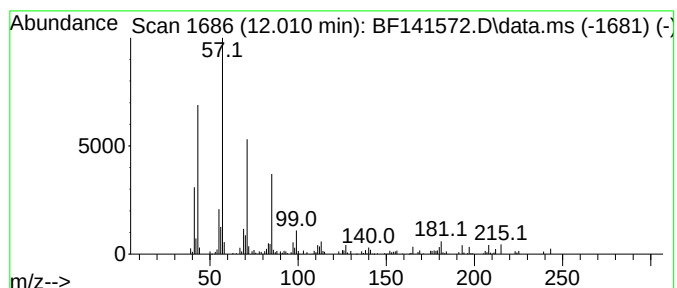
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.010	3.51 ng	95516	Phenanthrene-d10	11.304	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Nonadecane	268	C19H40	000629-92-5	81
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	74
4	Tetracosane	338	C24H50	000646-31-1	74
5	Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
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Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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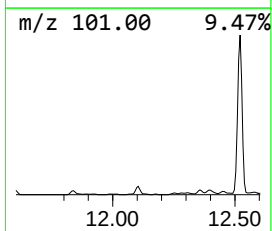
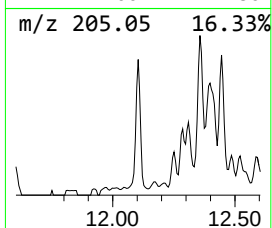
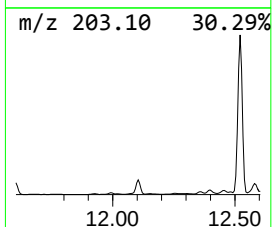
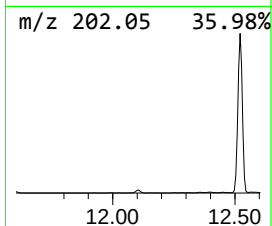
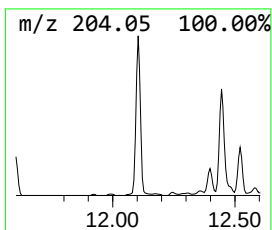
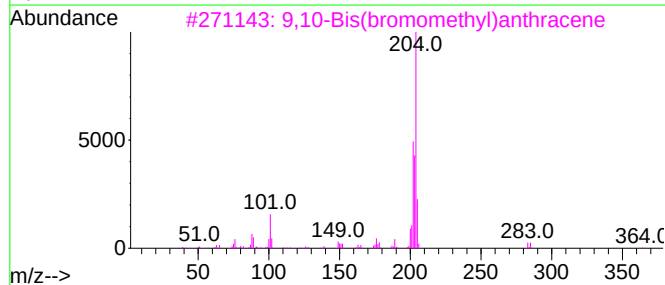
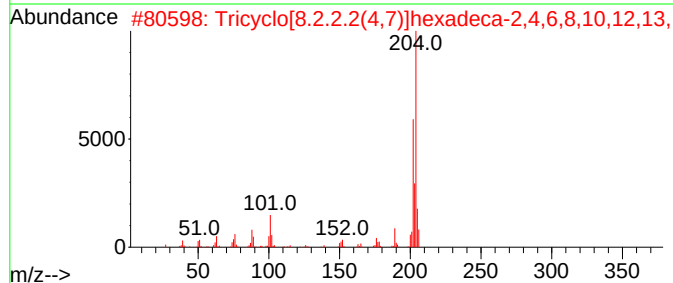
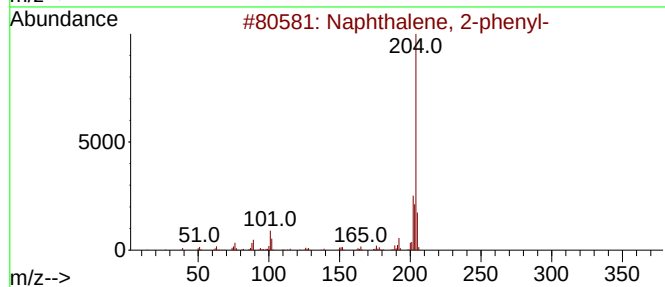
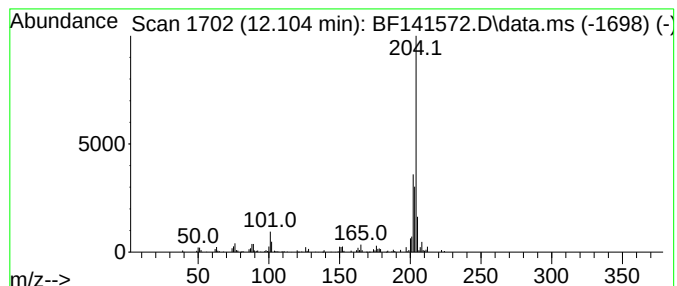
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	3.24 ng	88107	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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ALS Vial : 23 Sample Multiplier: 1

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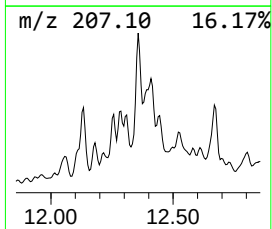
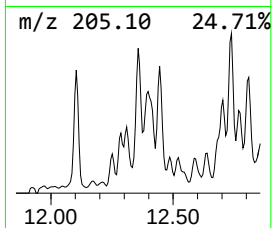
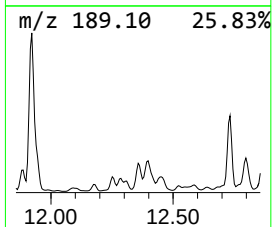
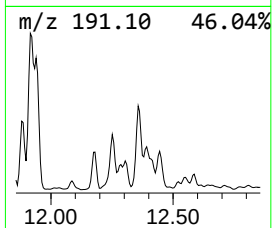
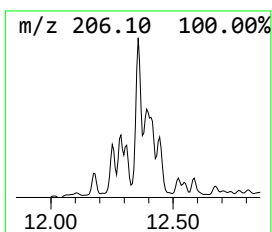
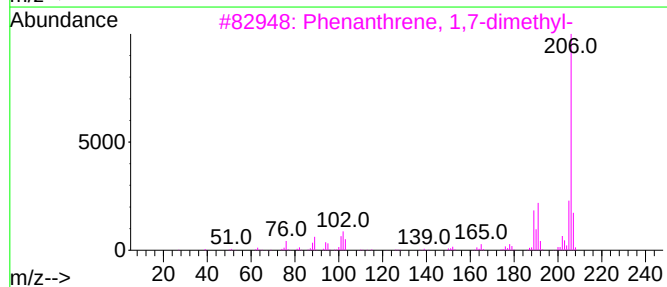
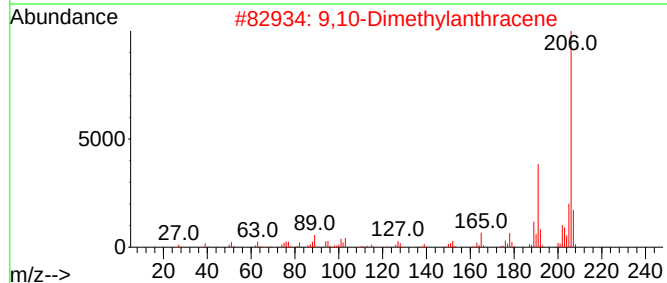
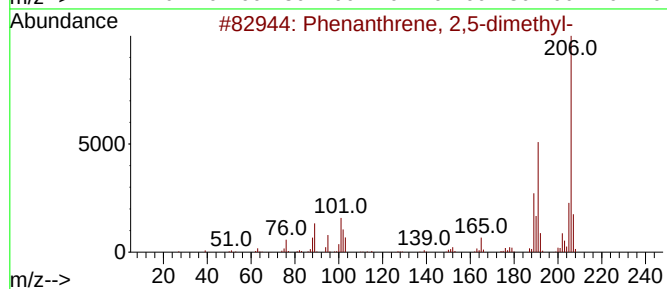
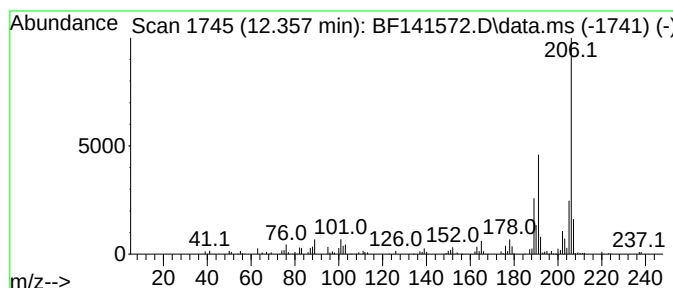
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	2.96 ng	80634	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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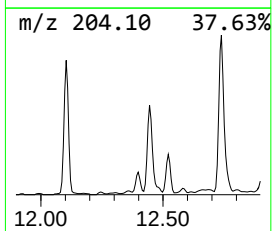
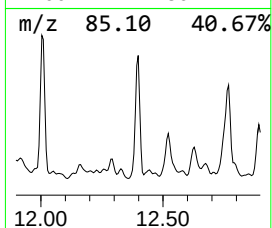
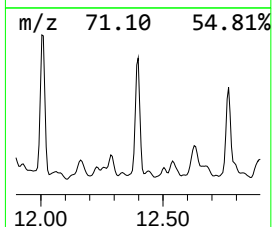
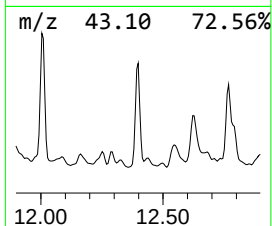
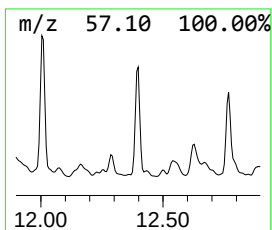
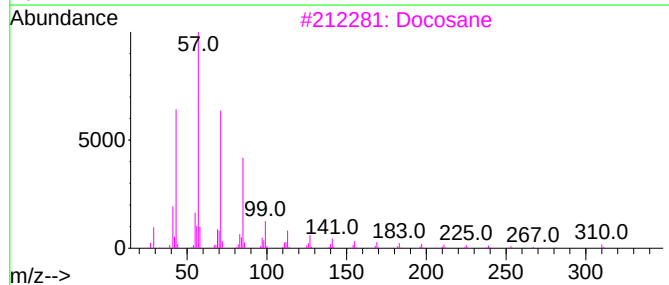
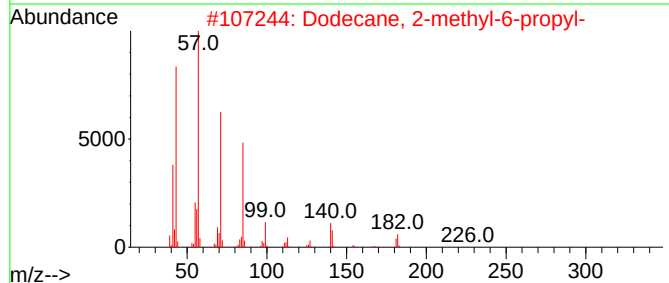
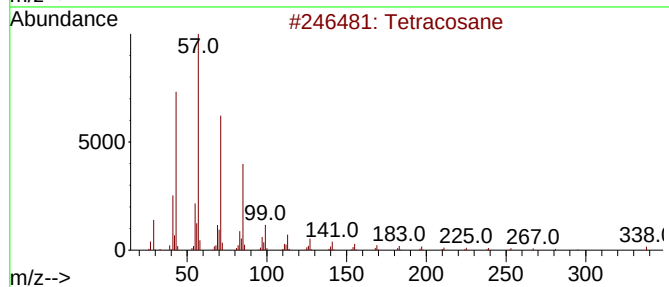
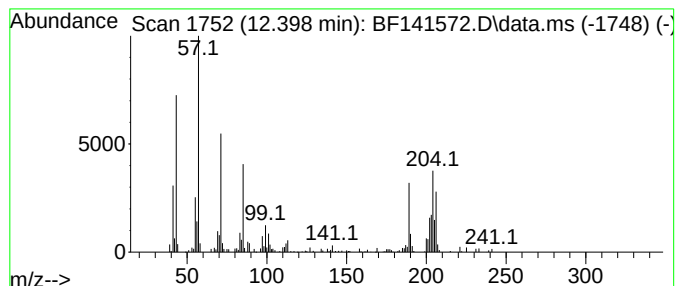
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown12.398 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	4.08 ng	110954	Phenanthrene-d10	11.304

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	46
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	46
3		Docosane	310	C22H46	000629-97-0	43
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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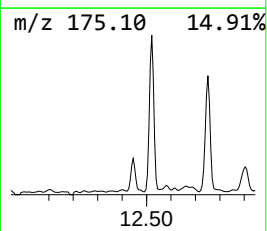
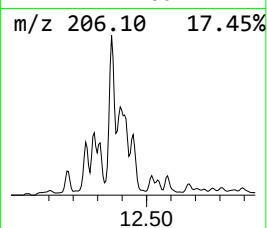
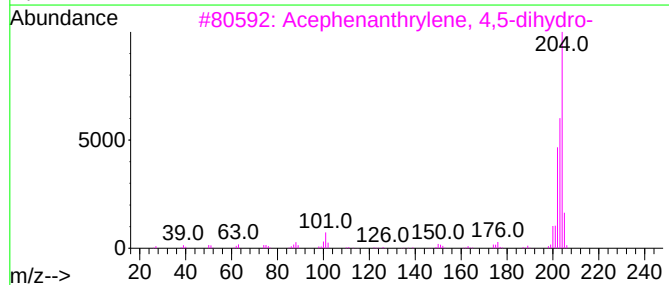
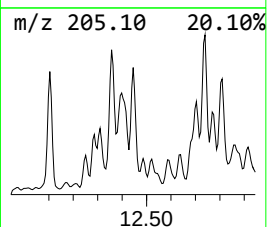
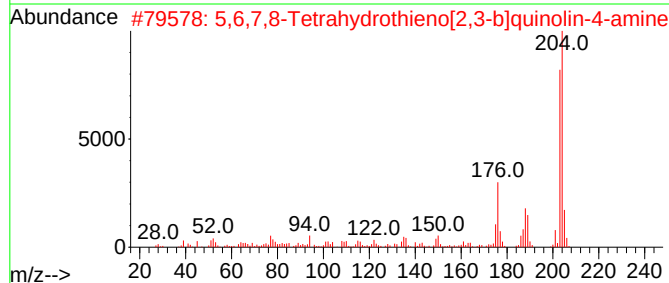
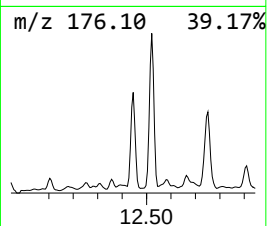
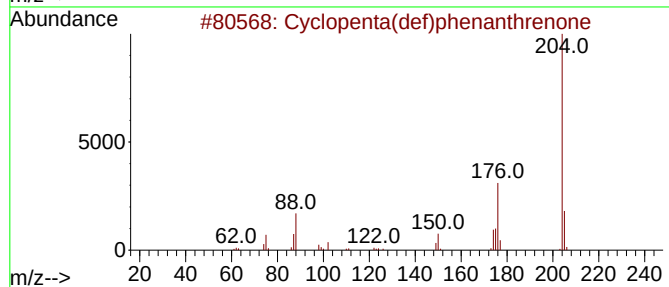
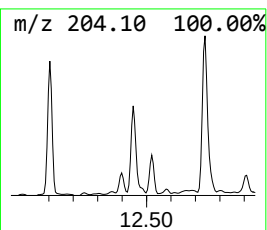
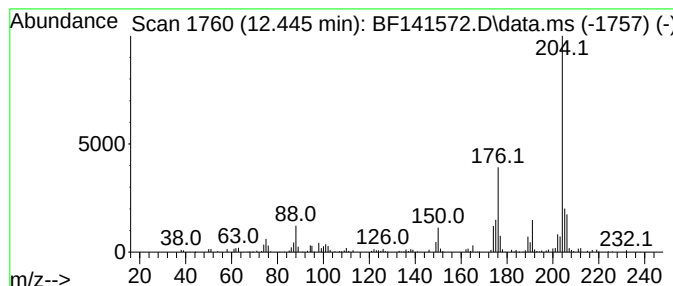
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	3.28 ng	89271	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
4			Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	43
5			1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	43



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ClientSampleId :
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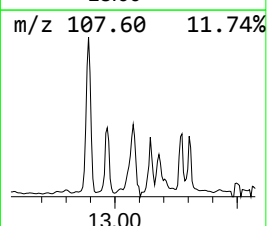
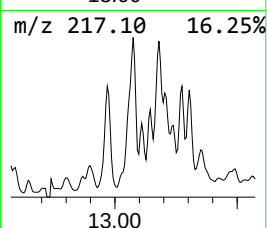
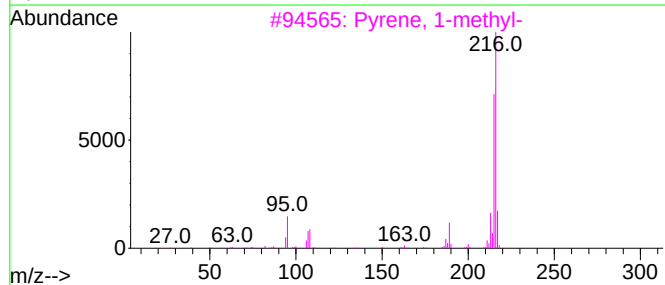
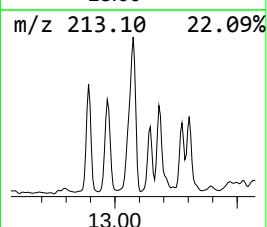
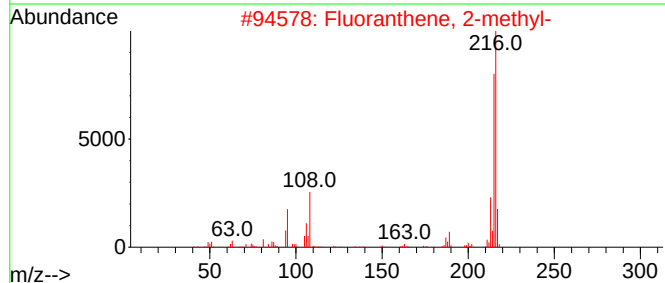
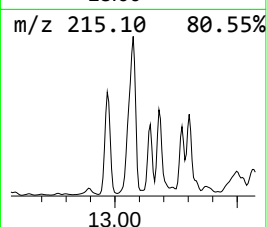
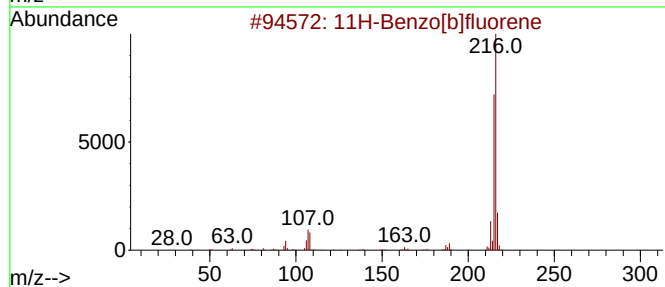
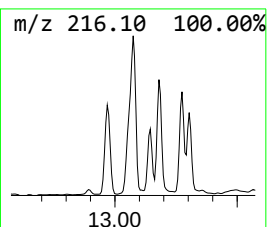
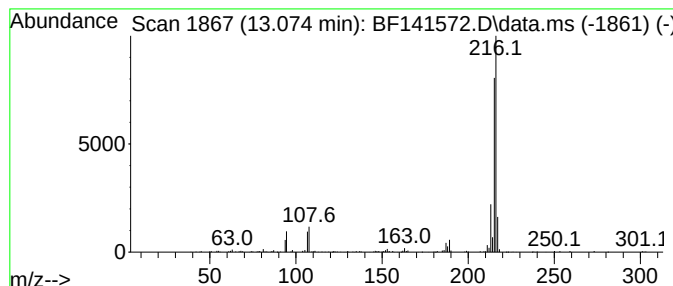
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	3.04 ng	234251	Chrysene-d12	13.951

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

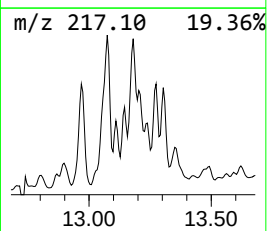
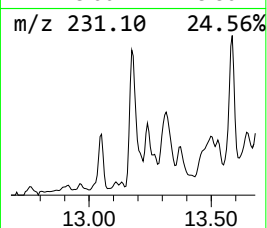
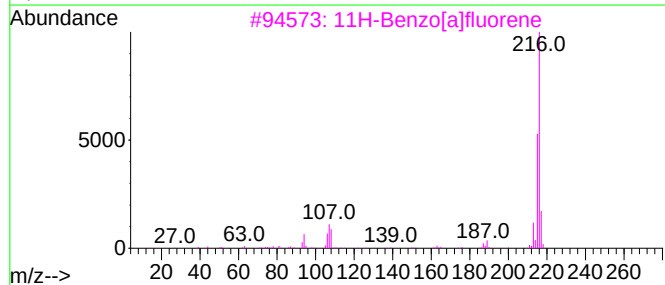
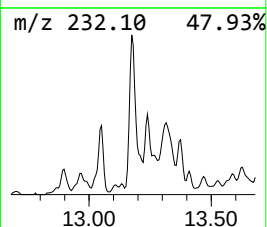
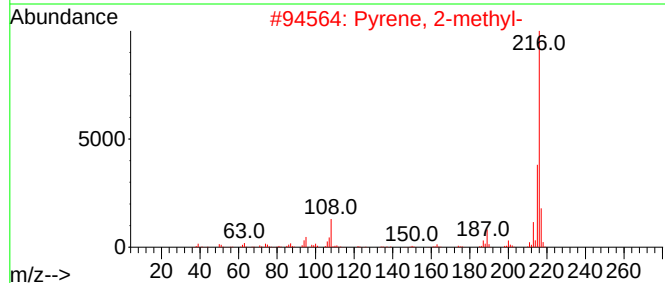
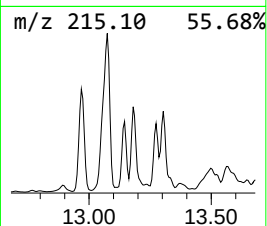
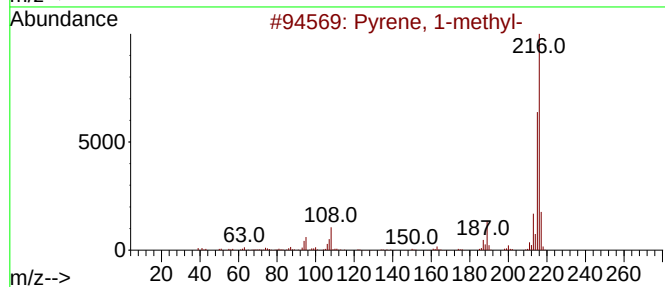
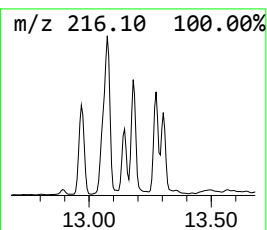
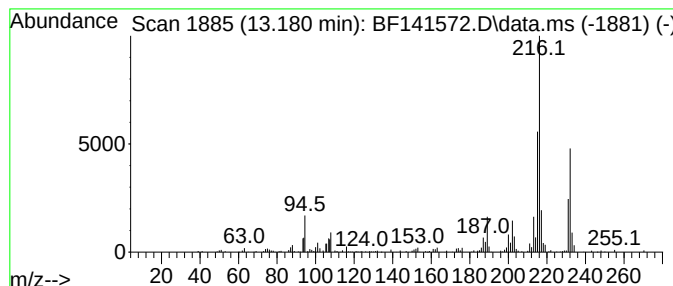
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	2.58 ng	199104	Chrysene-d12	13.951

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

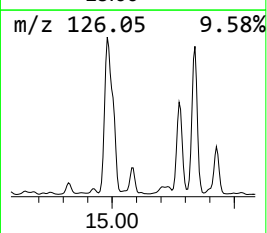
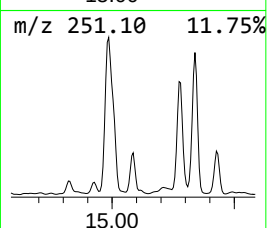
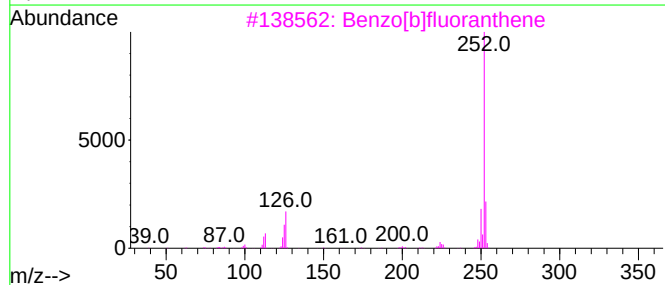
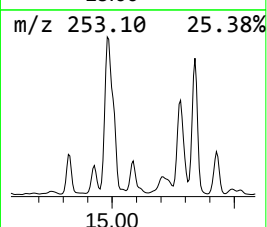
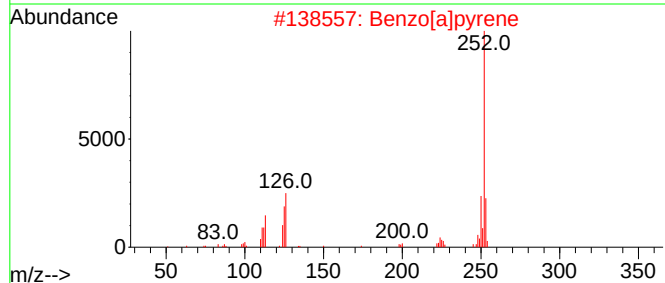
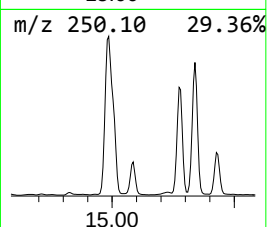
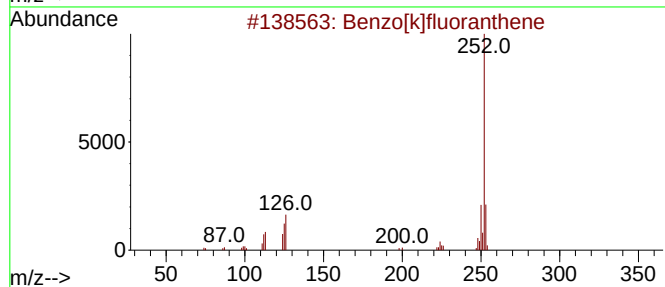
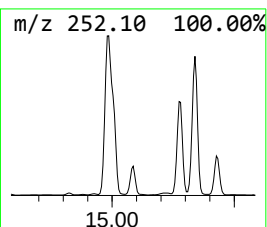
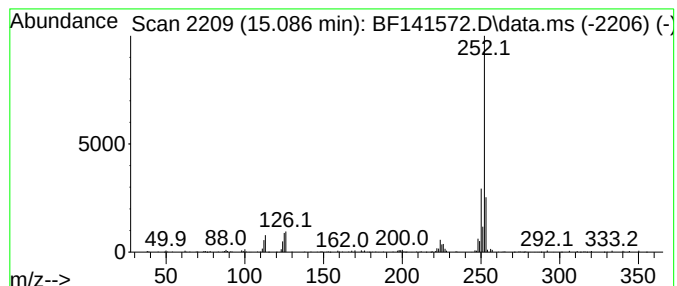
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	5.35 ng	120162	Perylene-d12	15.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2			Benzo[a]pyrene	252	C20H12	000050-32-8	90
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
4			Benzo[e]pyrene	252	C20H12	000192-97-2	89
5			Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

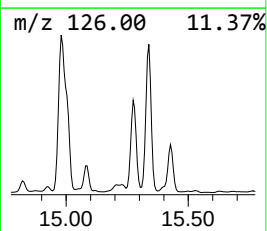
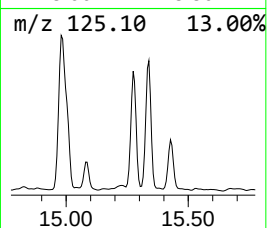
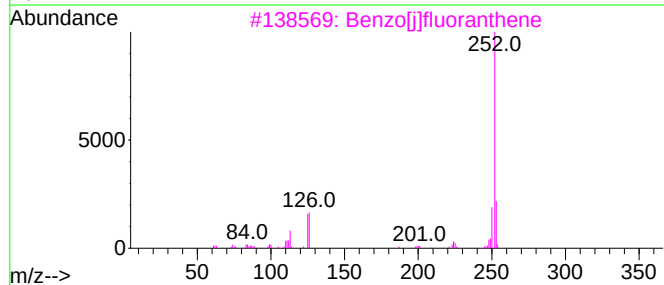
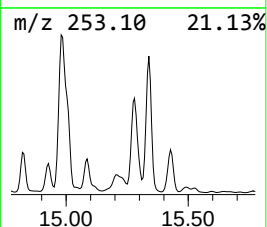
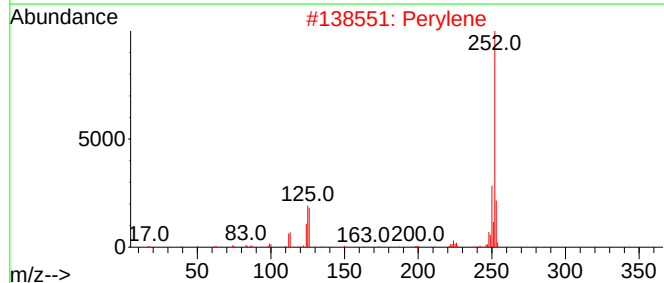
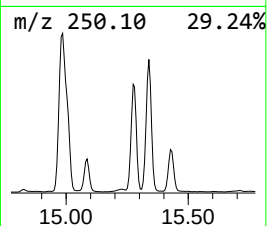
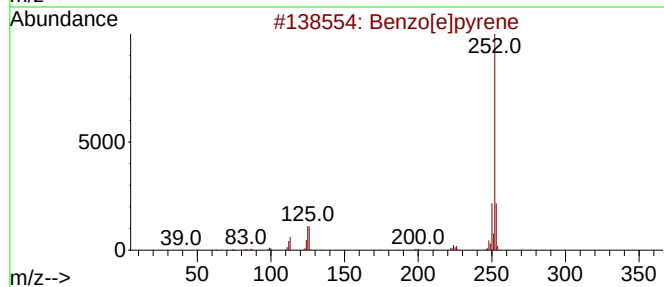
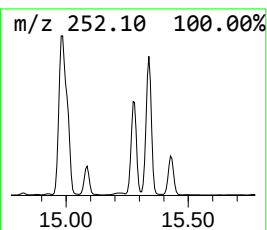
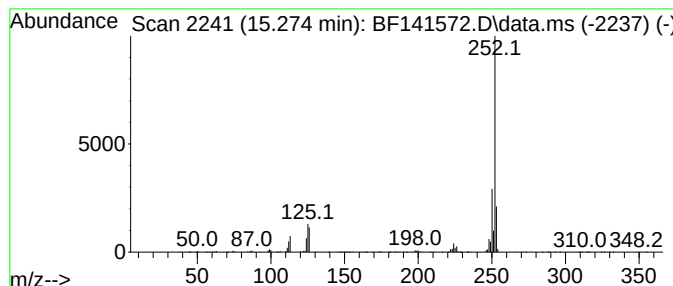
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.274	24.72 ng	554722	Perylene-d12	15.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
Acq On : 11 Feb 2025 19:45
Operator : RC/JU
Sample : Q1215-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonadecane	10.251	3.2	ng	95704	3	9.822	598302	20.0
Decane, 2-methyl-	10.469	2.6	ng	78805	3	9.822	598302	20.0
Benzophenone	10.533	8.0	ng	238469	3	9.822	598302	20.0
Tridecane	10.727	6.2	ng	169100	4	11.304	544036	20.0
Dodecane, 2-met...	11.169	5.6	ng	151338	4	11.304	544036	20.0
Dibenzothiophene	11.204	3.5	ng	95059	4	11.304	544036	20.0
Dodecane, 2-met...	11.598	4.1	ng	111030	4	11.304	544036	20.0
Anthracene, 2-m...	11.810	4.1	ng	110528	4	11.304	544036	20.0
n-Hexadecanoic ...	11.839	14.1	ng	382908	4	11.304	544036	20.0
Phenanthrene, 2...	11.880	2.8	ng	75584	4	11.304	544036	20.0
Benzaldehyde, 3...	11.922	11.7	ng	319243	4	11.304	544036	20.0
Pentadecane	12.010	3.5	ng	95516	4	11.304	544036	20.0
Naphthalene, 2-...	12.104	3.2	ng	88107	4	11.304	544036	20.0
Phenanthrene, 2...	12.357	3.0	ng	80634	4	11.304	544036	20.0
unknown12.398	12.398	4.1	ng	110954	4	11.304	544036	20.0
Cyclopenta(def)...	12.445	3.3	ng	89271	4	11.304	544036	20.0
11H-Benzo[b]flu...	13.074	3.0	ng	234251	5	13.951	1541480	20.0
Pyrene, 1-methyl-	13.180	2.6	ng	199104	5	13.951	1541480	20.0
Benzo[e]pyrene	15.086	5.3	ng	120162	6	15.398	448851	20.0
Perylene	15.274	24.7	ng	554722	6	15.398	448851	20.0

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-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141515.D	1	01/30/25 09:15	02/07/25 18:35	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	200	370	ug/Kg
108-95-2	Phenol	190	U	93.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.2	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	93.9	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	97.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.8	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.0	U	45.3	90.0	ug/Kg
67-72-1	Hexachloroethane	190	U	93.4	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.2	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	84.9	190	ug/Kg
91-20-3	Naphthalene	190	U	92.9	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	92.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.7	190	ug/Kg
105-60-2	Caprolactam	370	U	97.7	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	92.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.3	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.7	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	91.9	190	ug/Kg

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-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141515.D	1	01/30/25 09:15	02/07/25 18:35	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	97.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.6	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	230		91.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	120	J	95.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	97.0	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.3	190	ug/Kg
86-73-7	Fluorene	200		96.2	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	91.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.8	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.6	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	87.0	370	ug/Kg
85-01-8	Phenanthrene	2300		94.5	190	ug/Kg
120-12-7	Anthracene	570		95.0	190	ug/Kg
86-74-8	Carbazole	160	J	90.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	94.8	190	ug/Kg
206-44-0	Fluoranthene	3100	E	91.9	190	ug/Kg
129-00-0	Pyrene	3100	E	93.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		90.8	190	ug/Kg
218-01-9	Chrysene	1600		89.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		91.2	190	ug/Kg

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-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141515.D	1	01/30/25 09:15	02/07/25 18:35	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		92.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1900		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	960		87.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300		91.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		90.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.7	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.4		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.6		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.4		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.2		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.4		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	56.3		10 - 105	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	81200	6.787
1146-65-2	Naphthalene-d8	314000	8.069
15067-26-2	Acenaphthene-d10	155000	9.828
1517-22-2	Phenanthrene-d10	228000	11.316
1719-03-5	Chrysene-d12	154000	13.963
1520-96-3	Perylene-d12	118000	15.421

TENTATIVE IDENTIFIED COMPOUNDS

002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	76.9	J	10.4	ug/Kg
000119-61-9	Benzophenone	200	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	75.8	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	160	J	11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	200	J	11.9	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J	13.0	ug/Kg
000483-65-8	Retene	80.3	J	13.0	ug/Kg

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-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141515.D	1	01/30/25 09:15	02/07/25 18:35	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000243-17-4	11H-Benzo[b]fluorene	100	J		13.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	120	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	1400	J		15.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141515.D
 Acq On : 07 Feb 2025 18:35
 Operator : RC/JU
 Sample : Q1215-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:24:56 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	81240	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	314496	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	155473	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	227834	20.000	ng	0.00
76) Chrysene-d12	13.963	240	153947	20.000	ng	0.00
86) Perylene-d12	15.421	264	117798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	437233	84.376	ng	0.00
7) Phenol-d6	6.428	99	540841	82.576	ng	-0.01
23) Nitrobenzene-d5	7.351	82	358410	59.441	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	114571	73.358	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	627986	62.230	ng	0.00
79) Terphenyl-d14	12.904	244	513235	56.281	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.092	128	33072	2.020	ng	98
52) Acenaphthene	9.857	154	54280	6.090	ng	99
55) Dibenzofuran	10.028	168	42721	3.266	ng	# 96
58) Fluorene	10.375	166	54481	5.386	ng	98
71) Phenanthrene	11.339	178	783680	62.488	ng	100
72) Anthracene	11.392	178	192908	15.302	ng	100
73) Carbazole	11.545	167	49194	4.337	ng	99
75) Fluoranthene	12.533	202	1090339	82.004	ng	99
78) Pyrene	12.763	202	1066402	81.373	ng	98
81) Benzo(a)anthracene	13.951	228	500847	48.942	ng	98
83) Chrysene	13.986	228	405467	42.911	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	186317	25.598	ng	95
88) Benzo(b)fluoranthene	15.004	252	439019m	55.505	ng	
89) Benzo(k)fluoranthene	15.016	252	183089m	27.108	ng	
90) Benzo(a)pyrene	15.363	252	330090	51.575	ng	96
91) Dibenzo(a,h)anthracene	16.874	278	46575	7.897	ng	# 87
92) Benzo(g,h,i)perylene	17.304	276	186892	30.282	ng	98

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

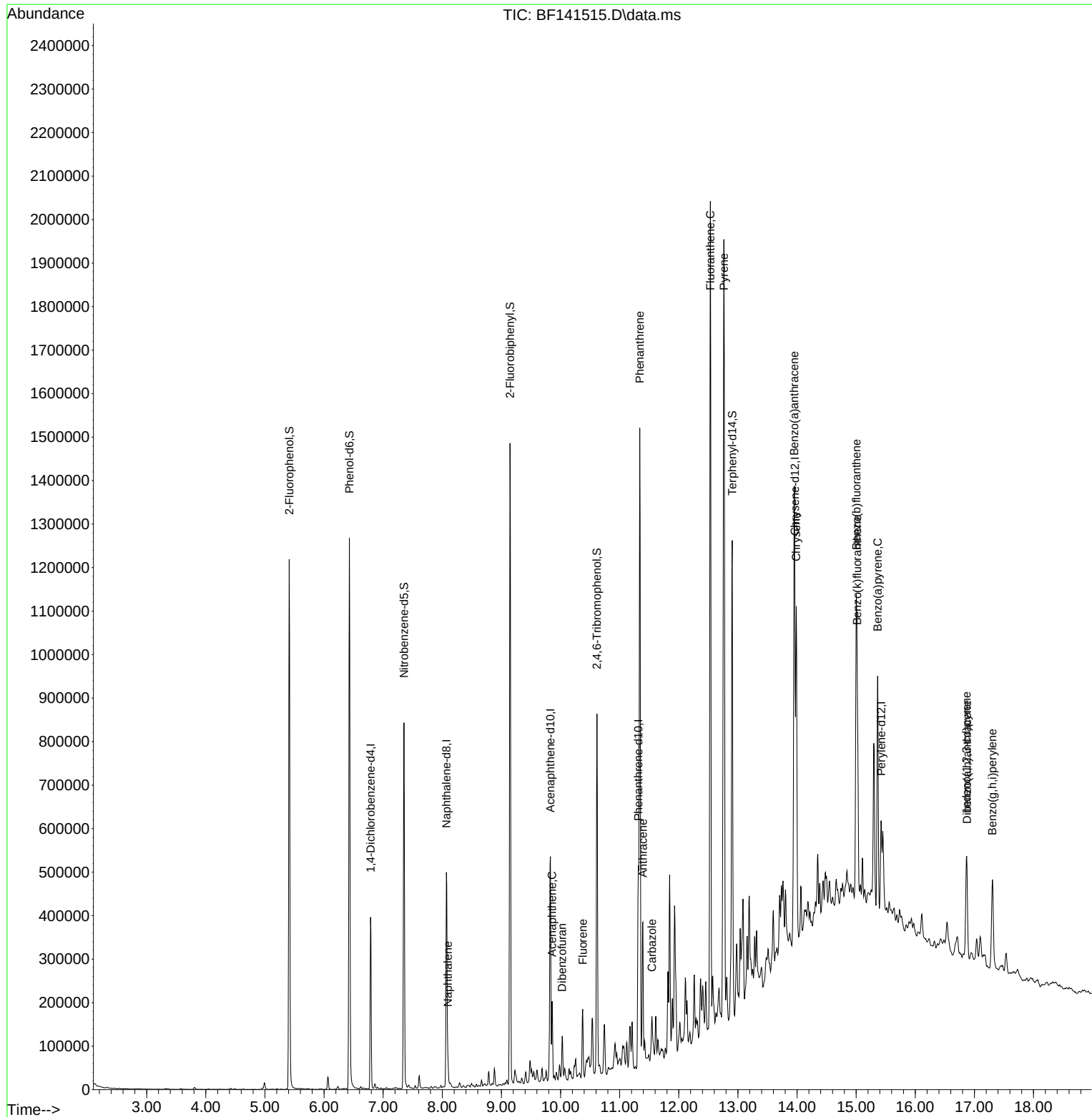
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Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

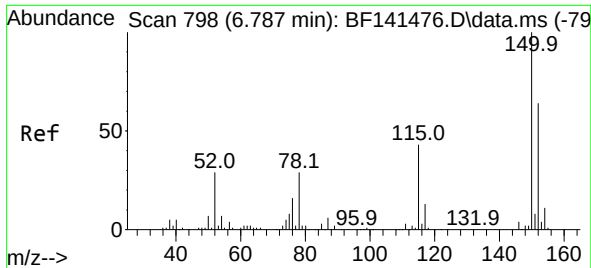
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

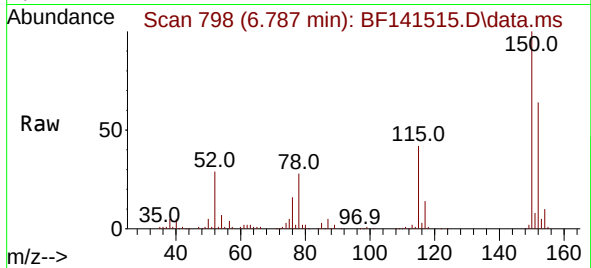
Quant Time: Feb 07 22:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

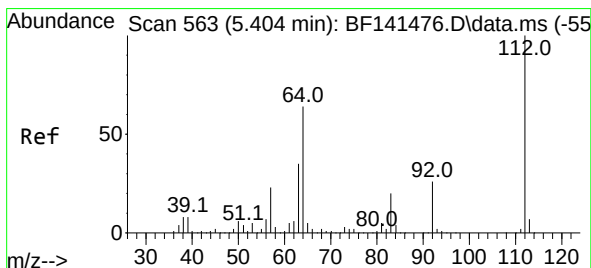
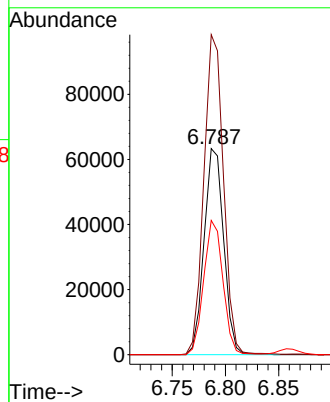
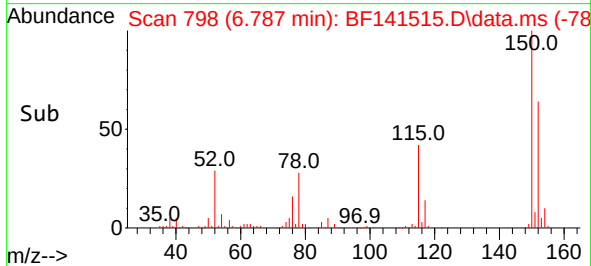
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



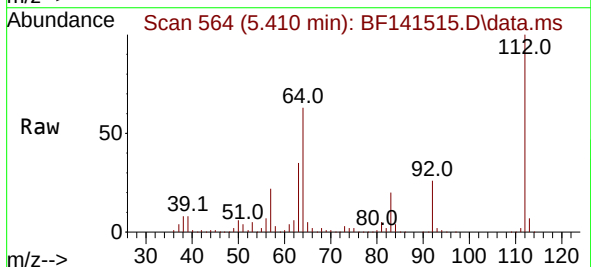
Tgt Ion:152 Resp: 81240
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 65.2 53.6 80.4

Manual Integrations
APPROVED

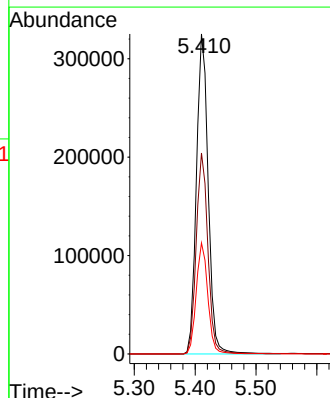
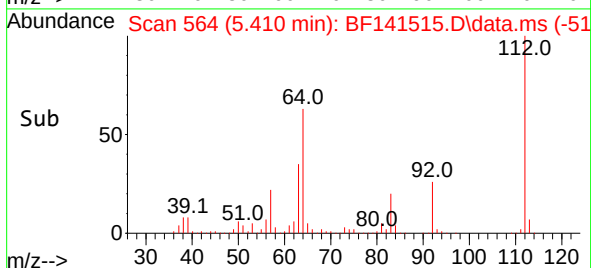
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

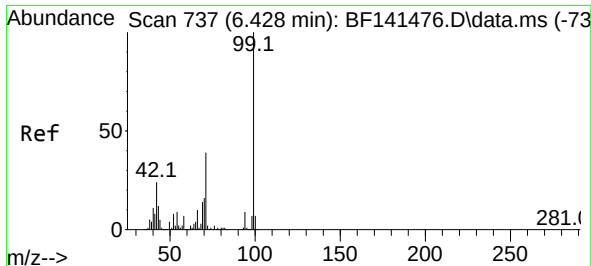


#5
2-Fluorophenol
Concen: 84.376 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



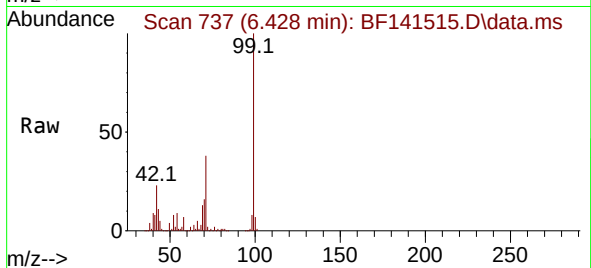
Tgt Ion:112 Resp: 437233
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.7 28.4 42.6





#7
Phenol-d6
Concen: 82.576 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

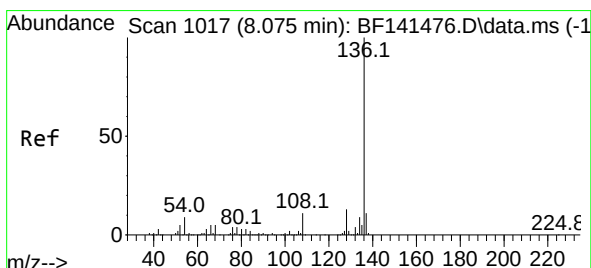
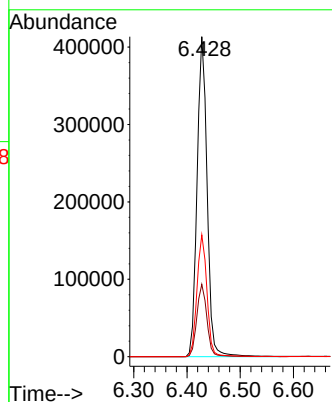
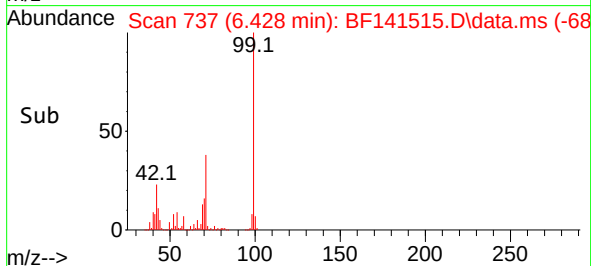
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



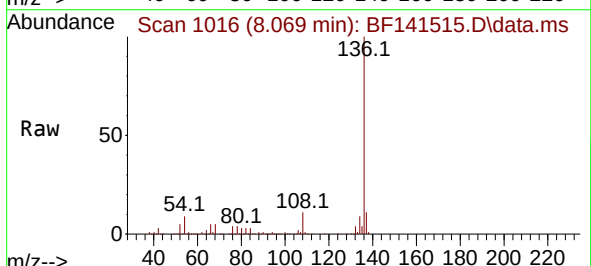
Tgt Ion: 99 Resp: 54084
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.0 31.1 46.7

Manual Integrations
APPROVED

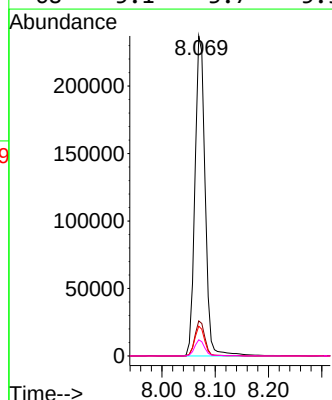
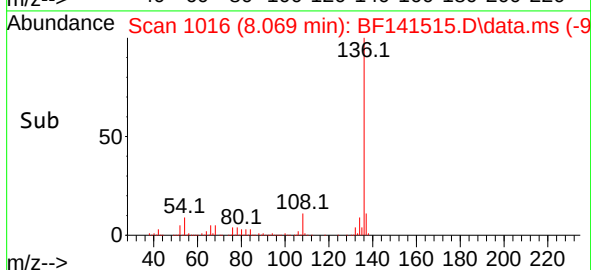
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

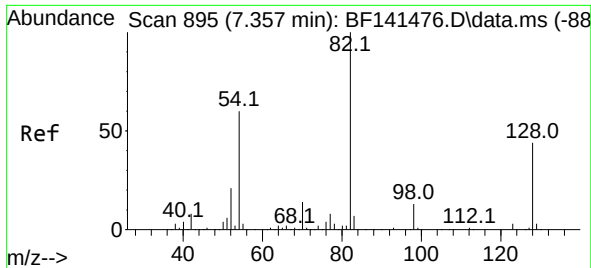


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



Tgt Ion:136 Resp: 314496
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 7.2 10.8
68 5.1 3.7 5.5





#23
Nitrobenzene-d5
Concen: 59.441 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

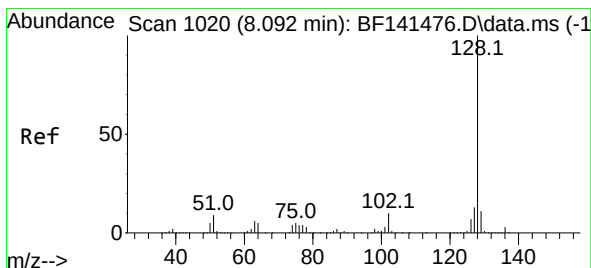
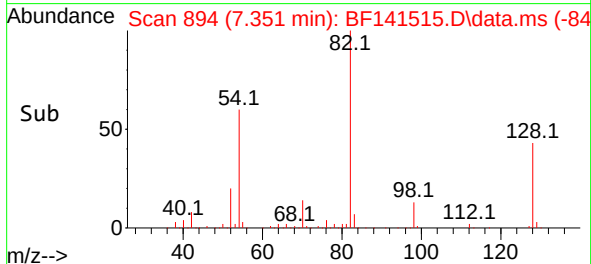
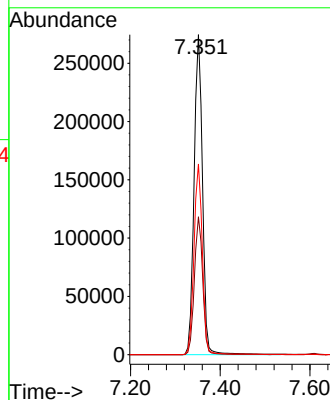
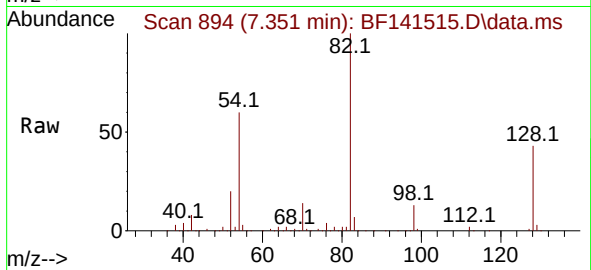
ClientSampleId :

JPP-29.2-012825

Tgt Ion: 82 Resp: 358410
Ion Ratio Lower Upper
82 100
128 43.1 34.8 52.2
54 59.6 48.2 72.4

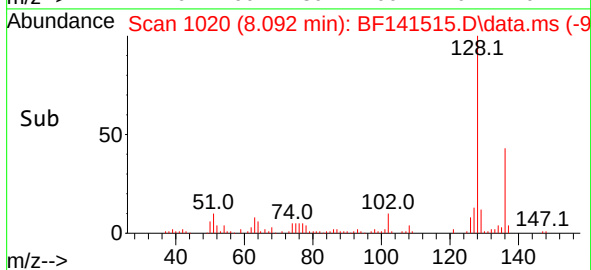
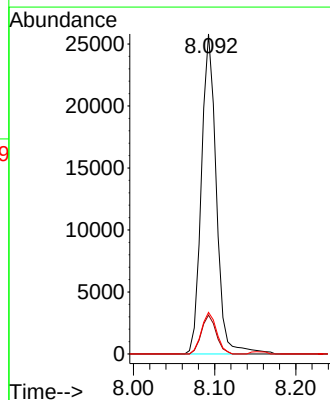
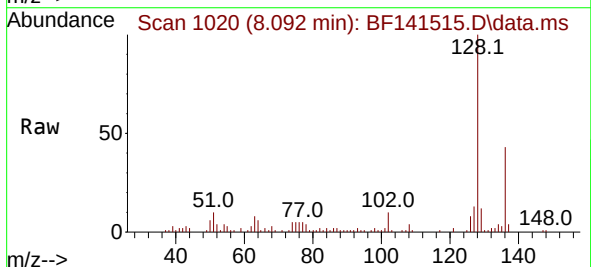
Manual Integrations
APPROVED

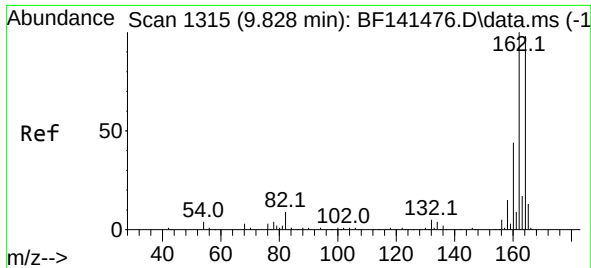
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#31
Naphthalene
Concen: 2.020 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

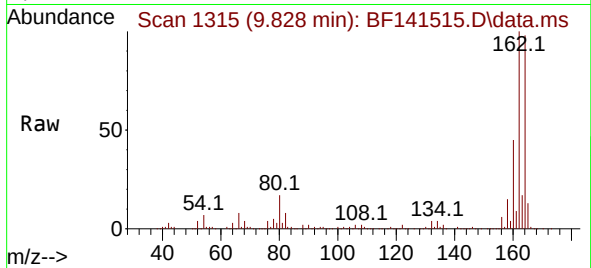
Tgt Ion:128 Resp: 33072
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 13.0 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

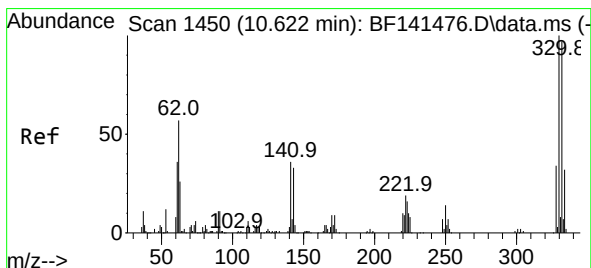
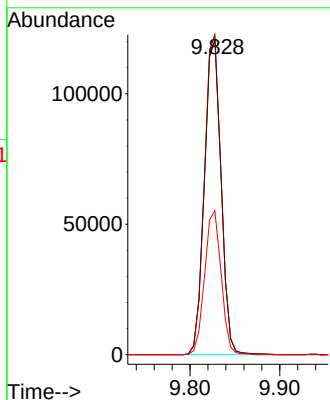
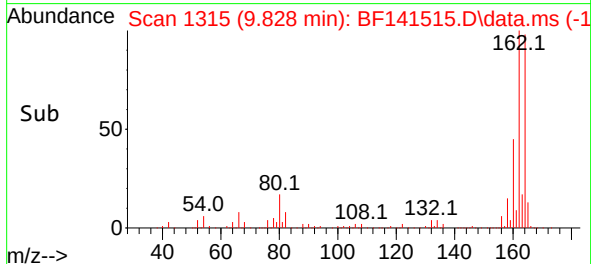
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



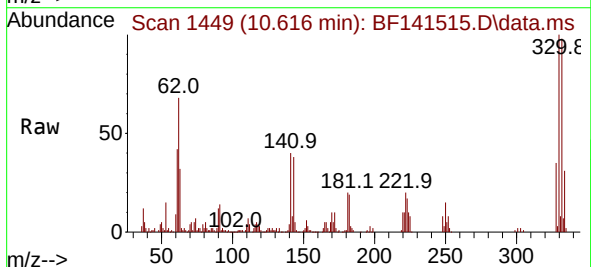
Tgt Ion:164 Resp: 15547
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.7 35.9 53.9

Manual Integrations
APPROVED

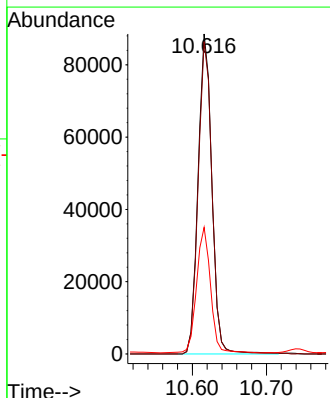
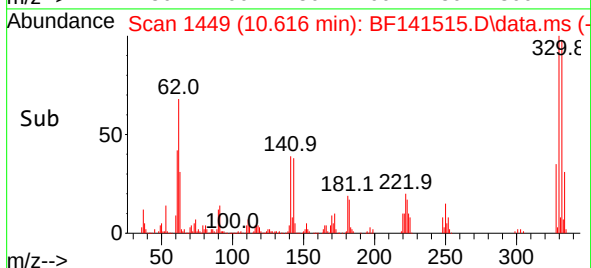
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

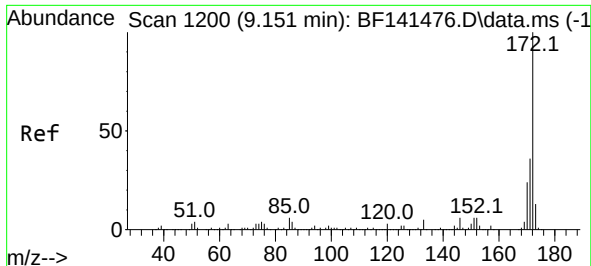


#42
2,4,6-Tribromophenol
Concen: 73.358 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



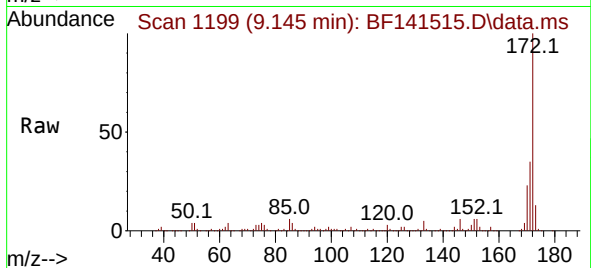
Tgt Ion:330 Resp: 114571
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 39.5 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 62.230 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

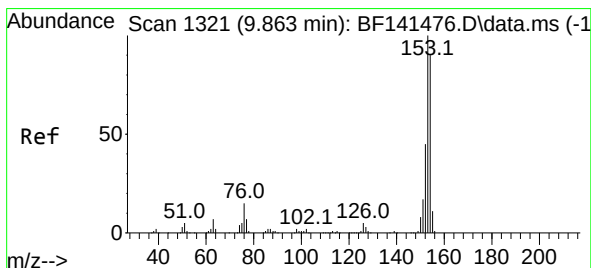
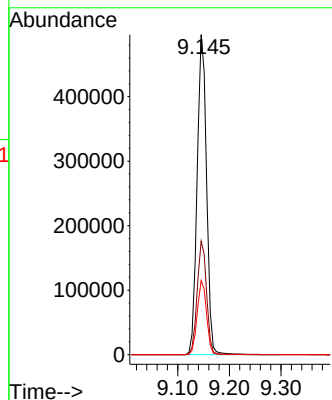
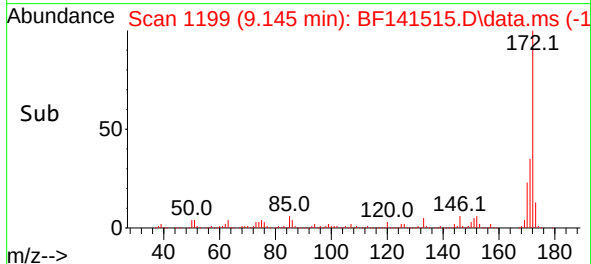
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



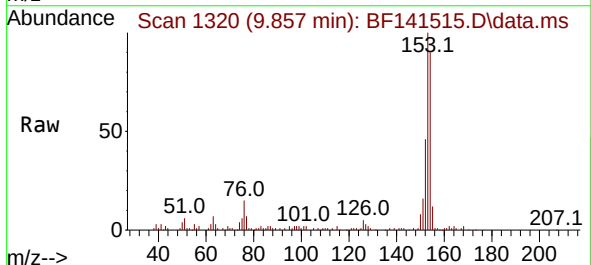
Tgt Ion:172 Resp: 627980
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.1 18.9 28.3

Manual Integrations
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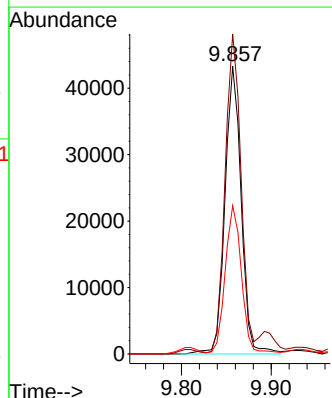
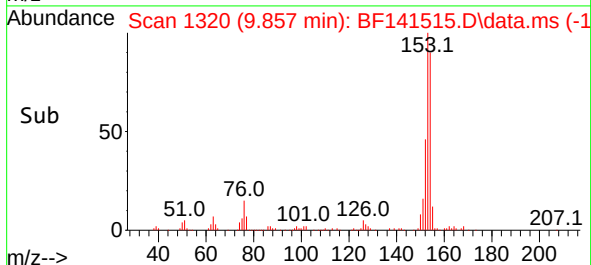
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

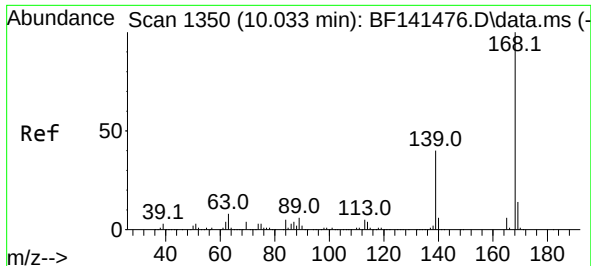


#52
Acenaphthene
Concen: 6.090 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



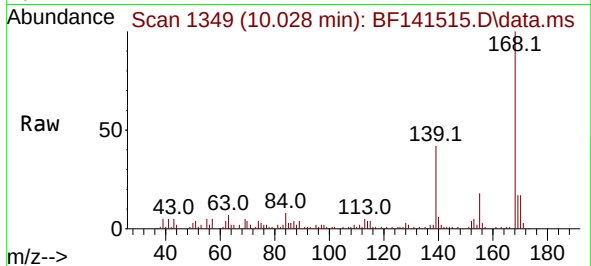
Tgt Ion:154 Resp: 54280
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 51.6 39.8 59.8





#55
Dibenzenofuran
Concen: 3.266 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

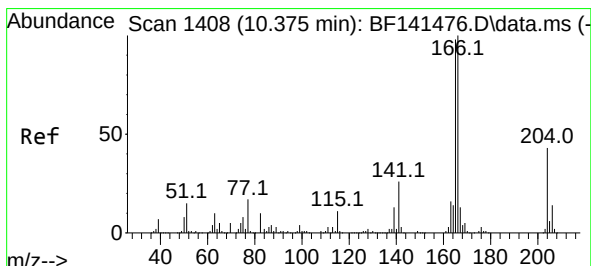
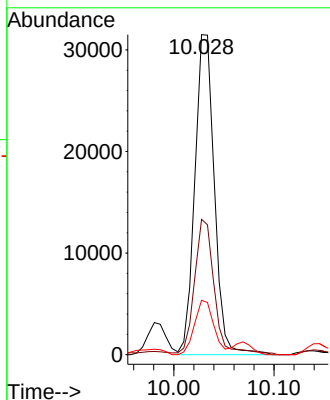
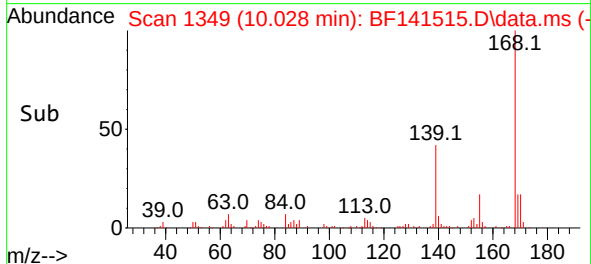
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



Tgt Ion:168 Resp: 4272
Ion Ratio Lower Upper
168 100
139 42.3 32.7 49.1
169 17.0 10.8 16.2

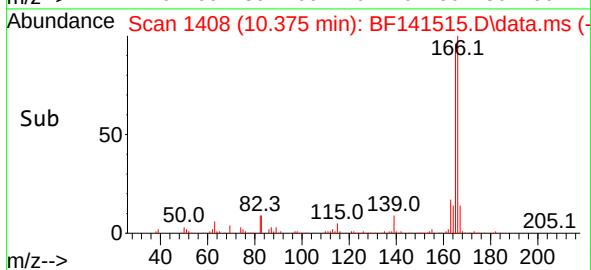
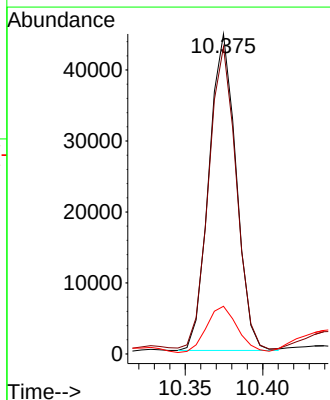
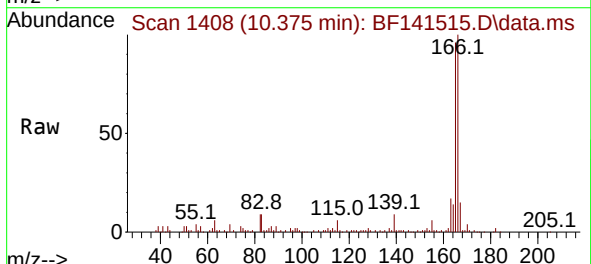
Manual Integrations
APPROVED

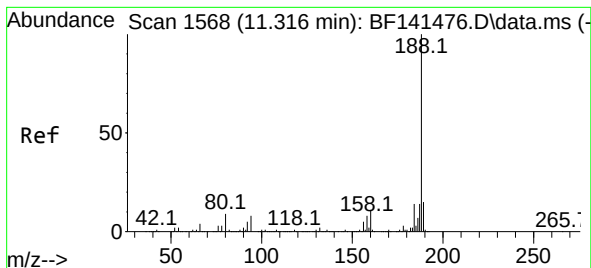
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#58
Fluorene
Concen: 5.386 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

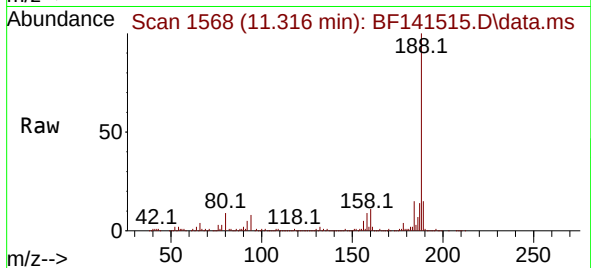
Tgt Ion:166 Resp: 54481
Ion Ratio Lower Upper
166 100
165 96.0 78.2 117.2
167 14.9 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

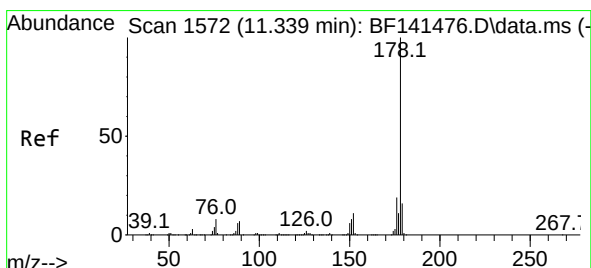
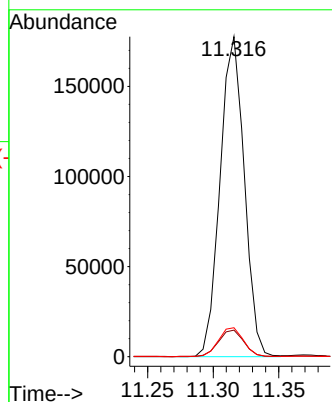
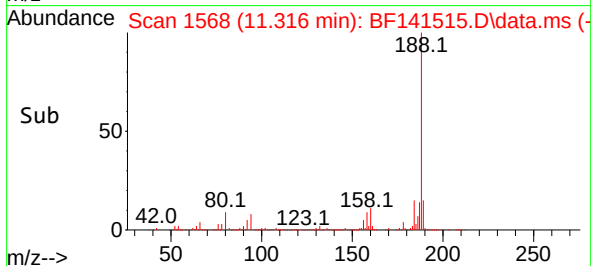
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



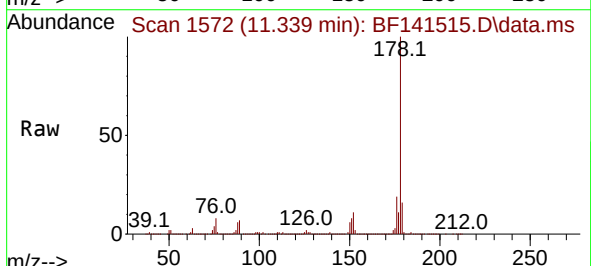
Tgt Ion:188 Resp: 227834
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.1 7.3 10.9

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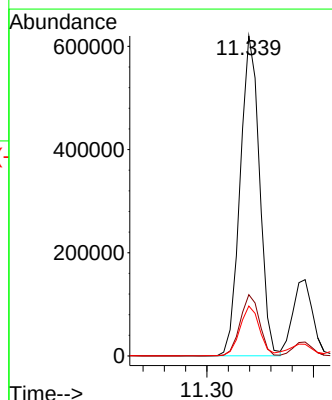
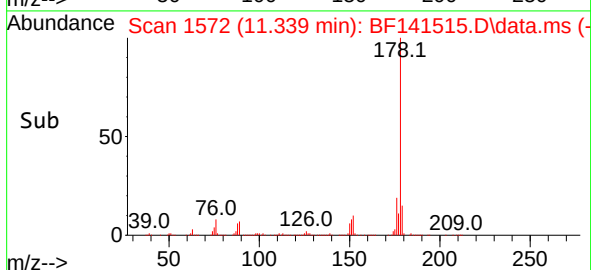
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

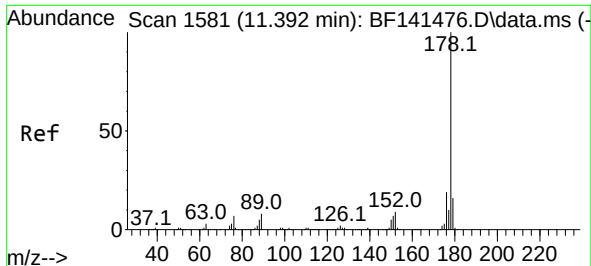


#71
Phenanthrene
Concen: 62.488 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



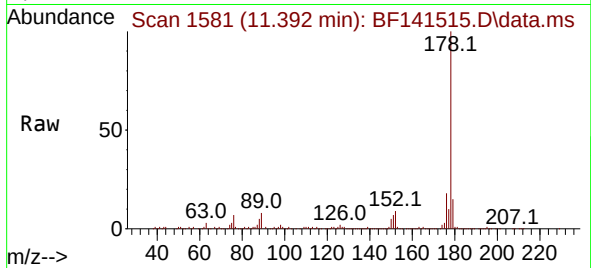
Tgt Ion:178 Resp: 783680
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 15.302 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35

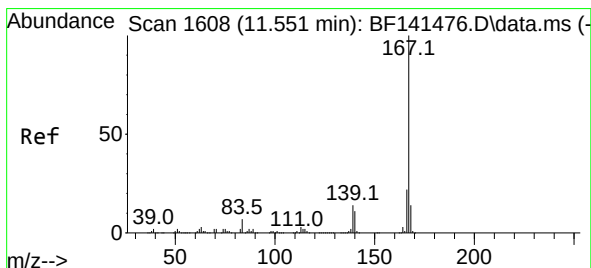
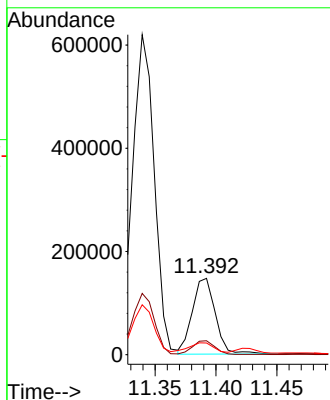
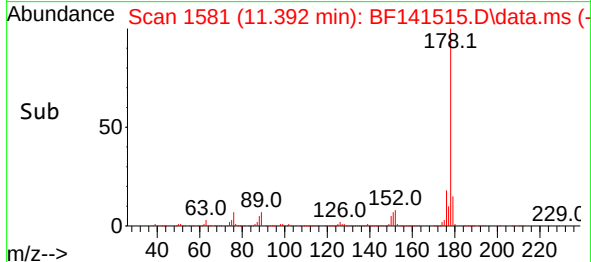
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825



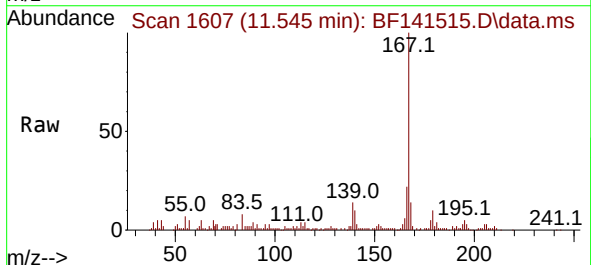
Tgt Ion:178 Resp: 192908
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.2 12.4 18.6

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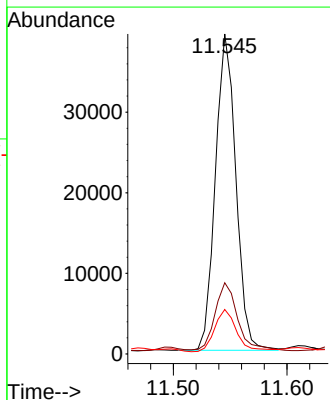
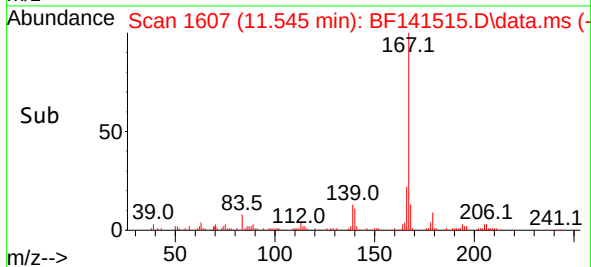
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

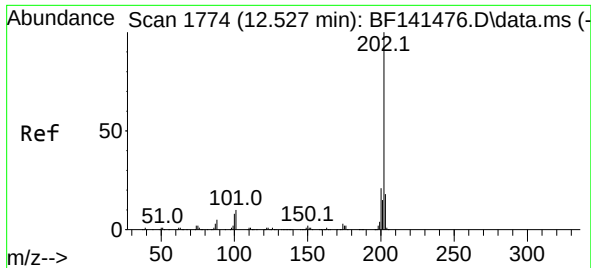


#73
 Carbazole
 Concen: 4.337 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35



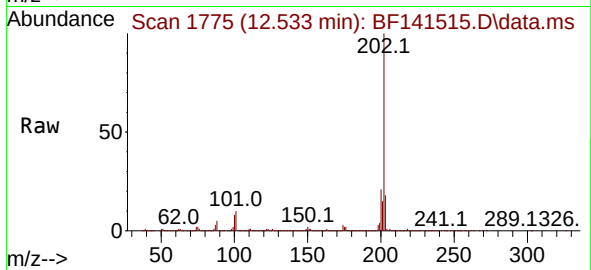
Tgt Ion:167 Resp: 49194
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.2
 139 13.9 10.9 16.3





#75
Fluoranthene
Concen: 82.004 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

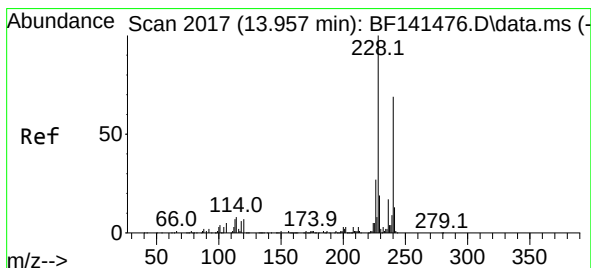
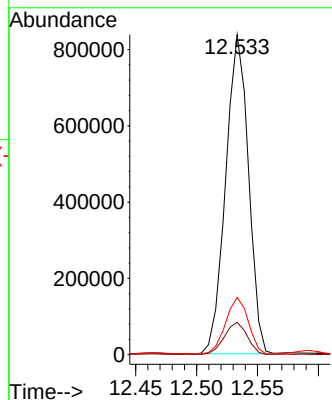
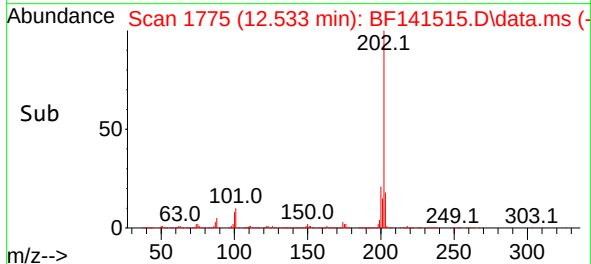
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



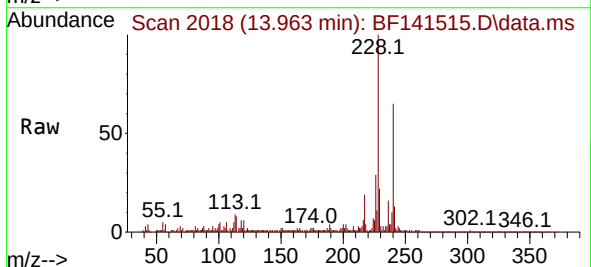
Tgt Ion:202 Resp: 1090339
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.9 0.0 37.6

Manual Integrations
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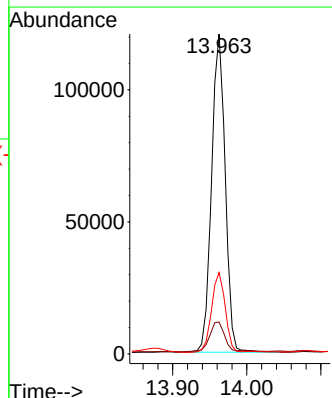
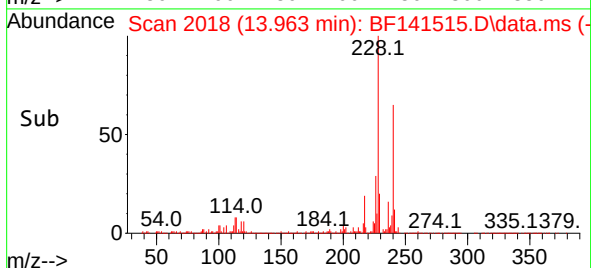
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

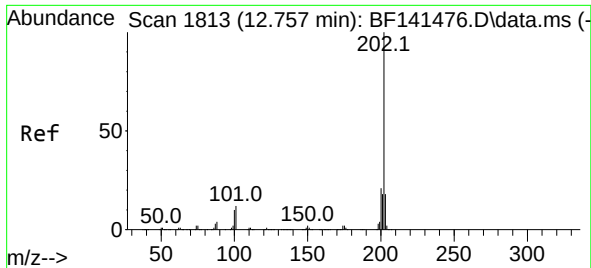


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



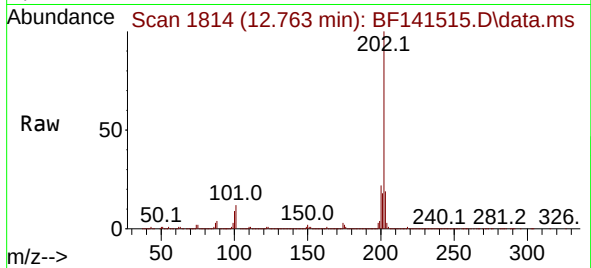
Tgt Ion:240 Resp: 153947
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.4 19.8 29.8





#78
Pyrene
Concen: 81.373 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

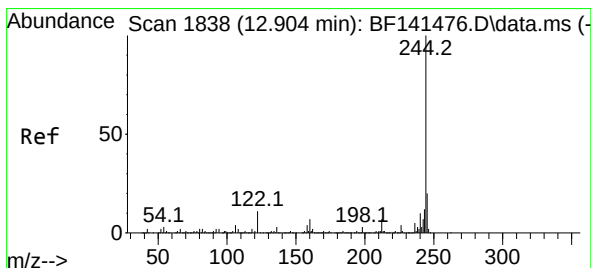
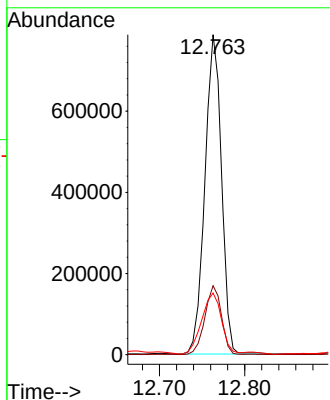
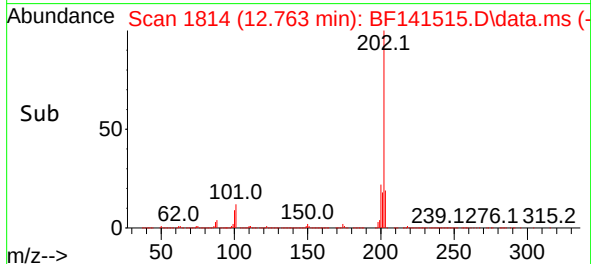
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



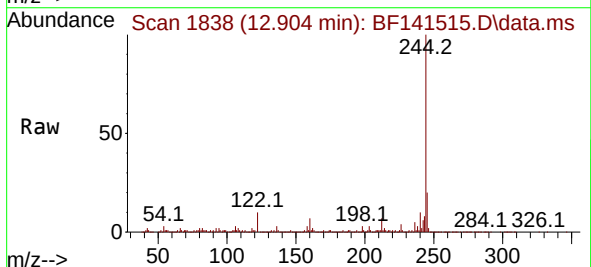
Tgt Ion:202 Resp: 106640
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 19.3 14.3 21.5

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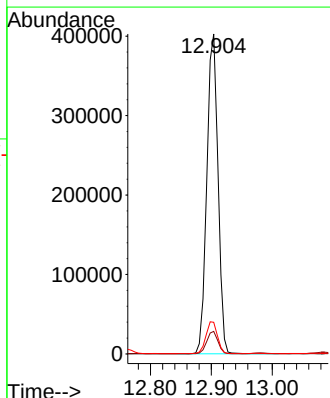
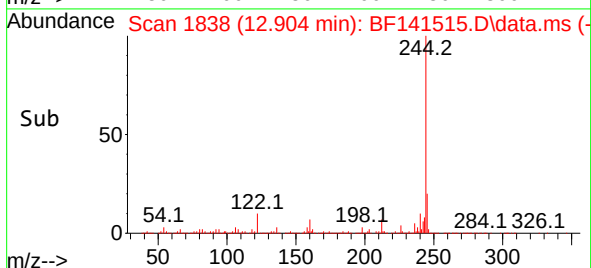
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

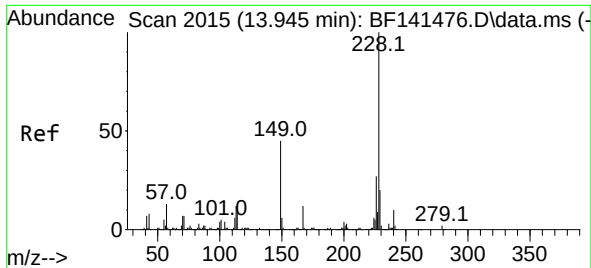


#79
Terphenyl-d14
Concen: 56.281 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



Tgt Ion:244 Resp: 513235
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 9.9 8.4 12.6





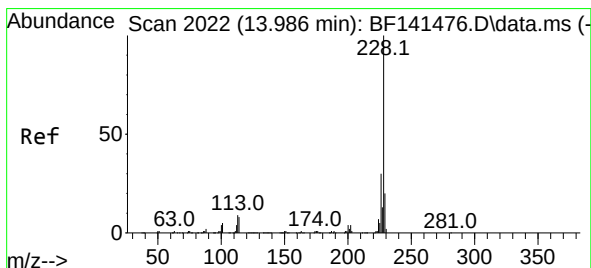
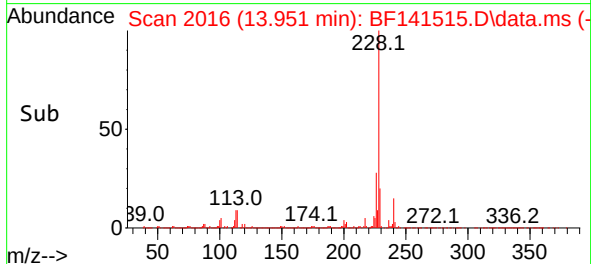
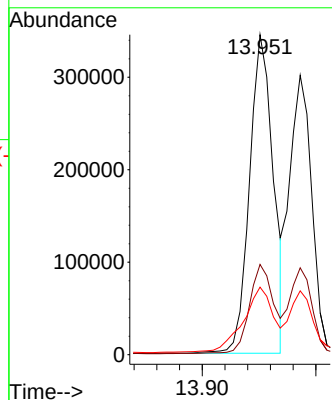
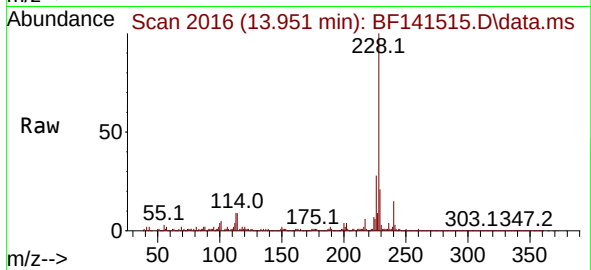
#81
Benzo(a)anthracene
Concen: 48.942 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Tgt Ion:228 Resp: 50084
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.1 15.8 23.6

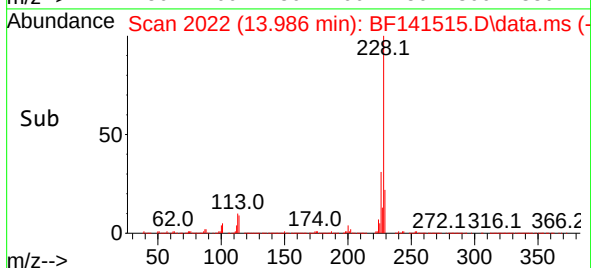
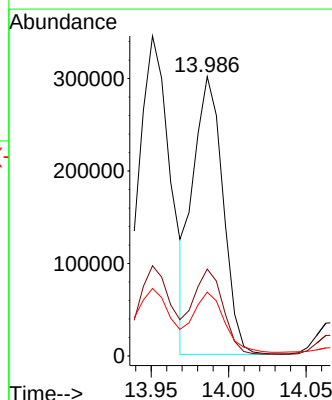
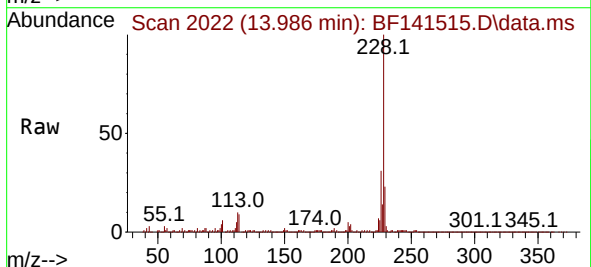
Manual Integrations
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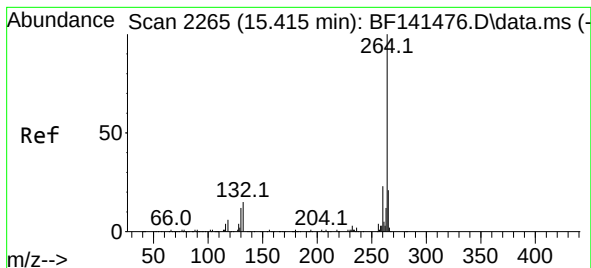
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 42.911 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Tgt Ion:228 Resp: 405467
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 22.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825

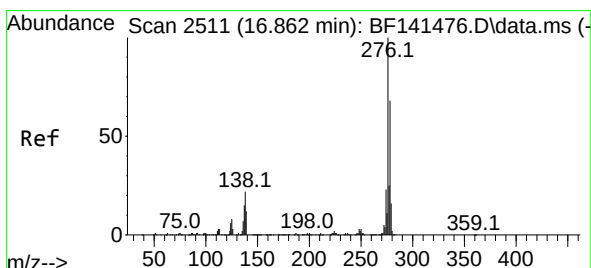
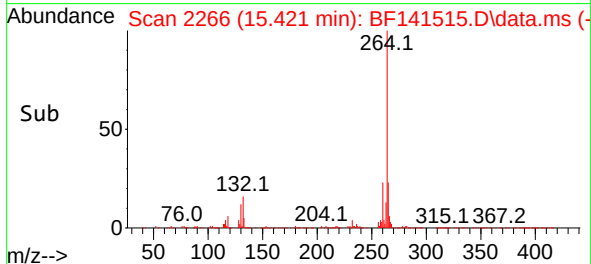
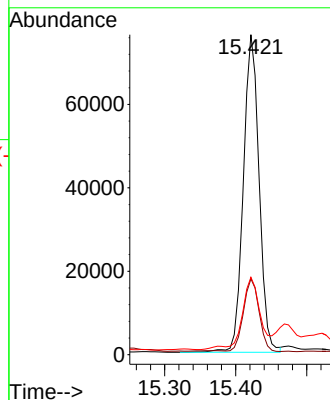
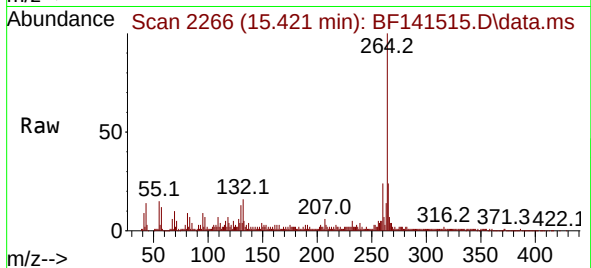
Tgt Ion:264 Resp: 117798

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	24.2	17.0	25.4

Manual Integrations
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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.598 ng

RT: 16.868 min Scan# 2512

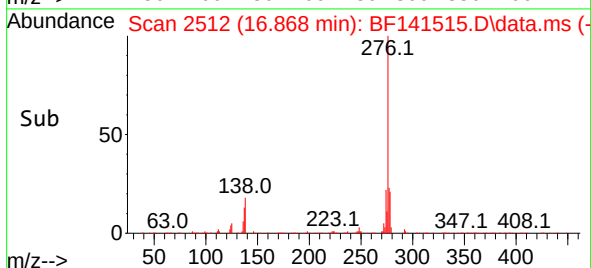
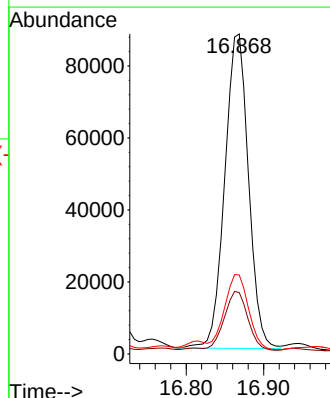
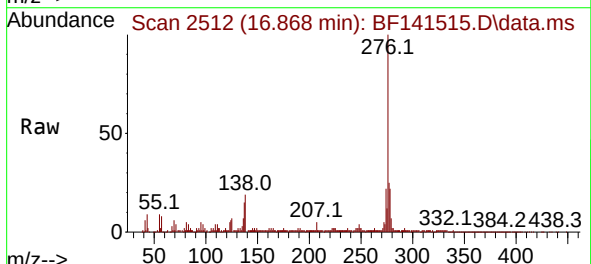
Delta R.T. -0.006 min

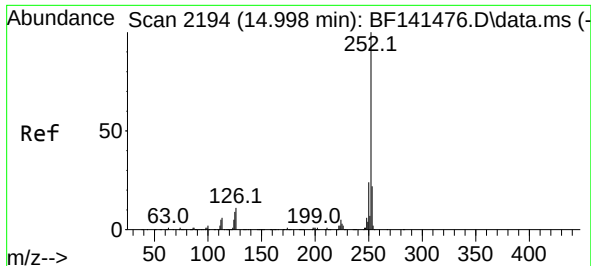
Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Tgt Ion:276 Resp: 186317

Ion	Ratio	Lower	Upper
276	100		
138	18.6	18.0	27.0
277	24.1	20.4	30.6





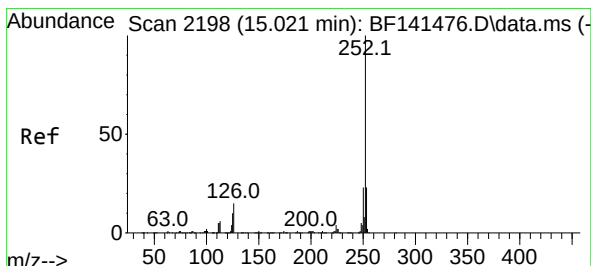
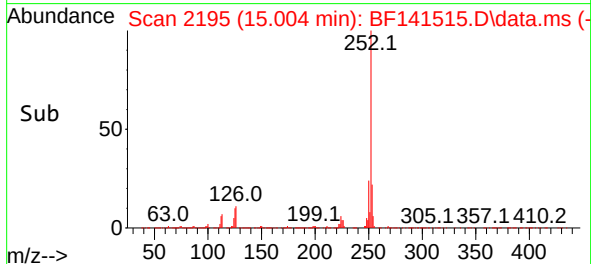
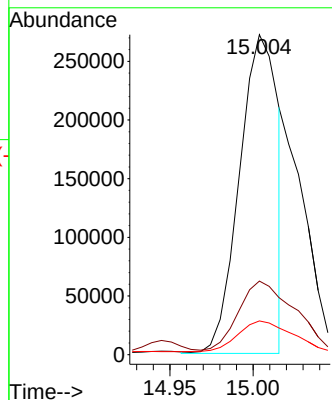
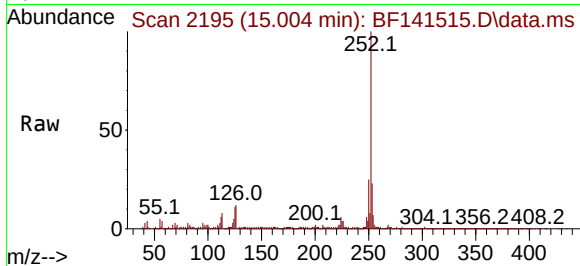
#88
Benzo(b)fluoranthene
Concen: 55.505 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Tgt Ion:252 Resp: 439019
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.5 7.0 10.6

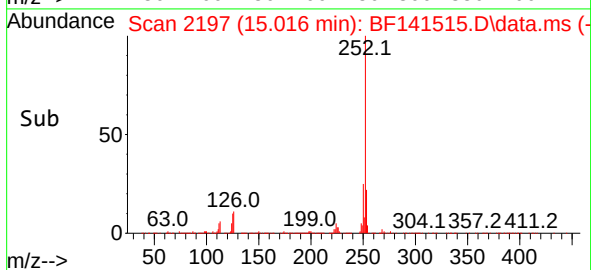
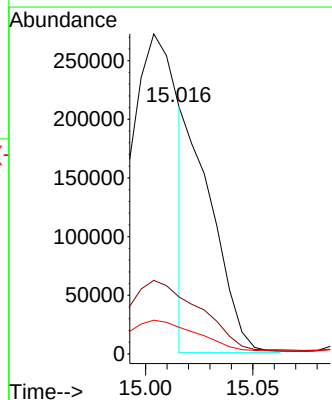
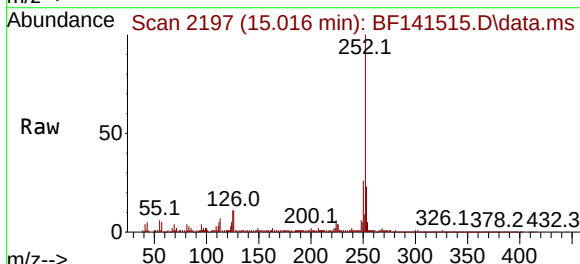
Manual Integrations
APPROVED

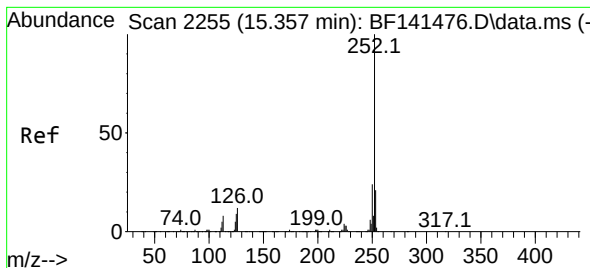
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 27.108 ng m
RT: 15.016 min Scan# 2197
Delta R.T. -0.017 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Tgt Ion:252 Resp: 183089
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 7.4 11.0





#90

Benzo(a)pyrene

Concen: 51.575 ng

RT: 15.363 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

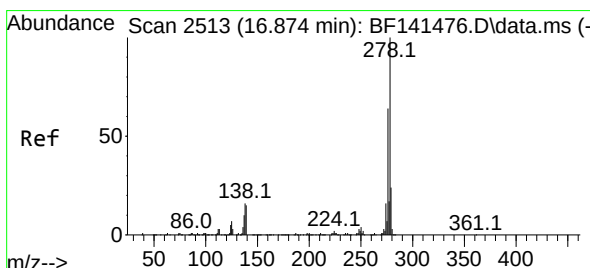
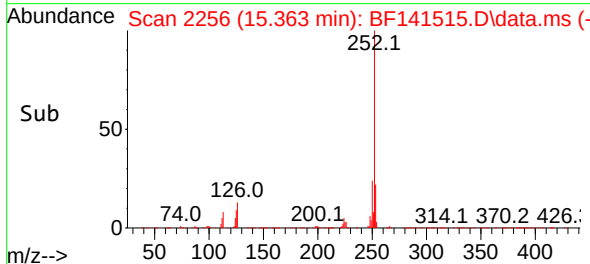
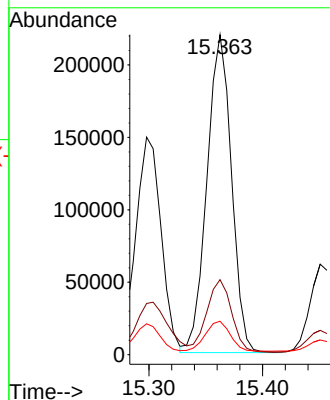
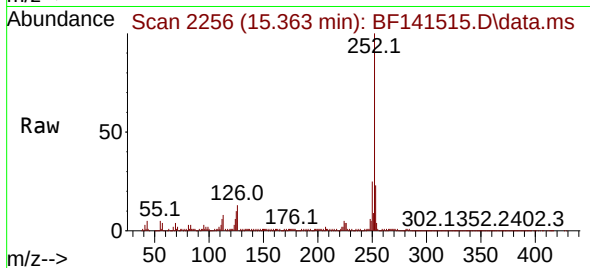
ClientSampleId :

JPP-29.2-012825

Tgt Ion:252 Resp: 330090
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.1 25.7
 125 10.5 7.4 11.2

Manual Integrations
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Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#91

Dibenzo(a,h)anthracene

Concen: 7.897 ng

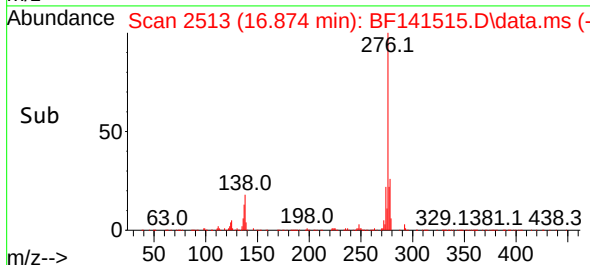
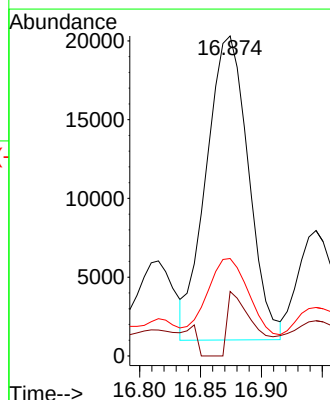
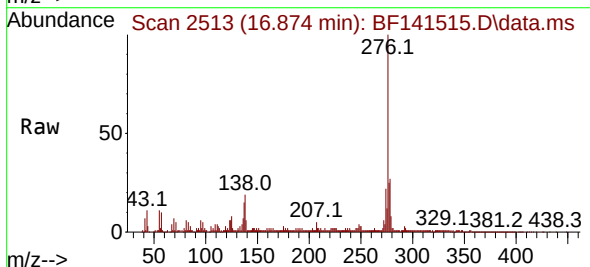
RT: 16.874 min Scan# 2513

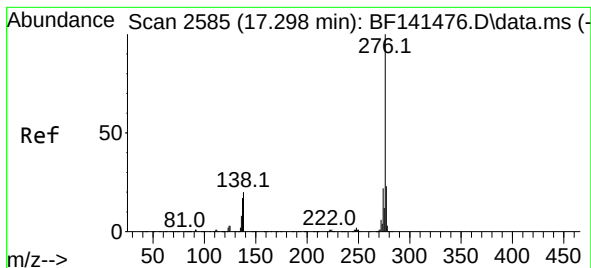
Delta R.T. -0.017 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Tgt Ion:278 Resp: 46575
 Ion Ratio Lower Upper
 278 100
 139 20.1 11.8 17.6#
 279 30.4 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 30.282 ng

RT: 17.304 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141515.D

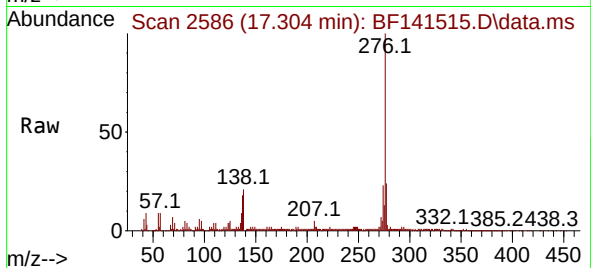
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825



Tgt Ion:276 Resp: 18689

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

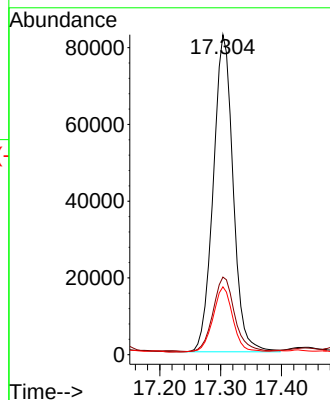
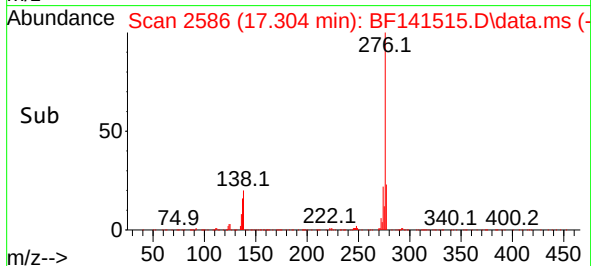
138 21.2 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141515.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	559	564	584	rVB	1216750	1614781	57.96%	4.781%
2	6.063	671	675	680	rVB	27575	33951	1.22%	0.101%
3	6.428	732	737	756	rBV	1265220	1678366	60.25%	4.969%
4	6.787	793	798	805	rBV	394800	497819	17.87%	1.474%
5	7.351	888	894	904	rBV	840665	1087599	39.04%	3.220%
6	7.610	932	938	948	rVB	28222	40425	1.45%	0.120%
7	8.069	1010	1016	1025	rBV	493316	724745	26.02%	2.146%
8	8.787	1133	1138	1144	rVB	31149	40034	1.44%	0.119%
9	8.881	1150	1154	1163	rVB	40234	55597	2.00%	0.165%
10	9.145	1194	1199	1208	rBV	1473653	1845719	66.25%	5.465%
11	9.228	1208	1213	1222	rVV2	29306	59646	2.14%	0.177%
12	9.410	1239	1244	1249	rBV	26189	42558	1.53%	0.126%
13	9.486	1252	1257	1259	rBV	48394	69475	2.49%	0.206%
14	9.545	1264	1267	1271	rVV2	22228	32547	1.17%	0.096%
15	9.598	1272	1276	1284	rVB2	26441	45262	1.62%	0.134%
16	9.686	1287	1291	1296	rVB	27673	34729	1.25%	0.103%
17	9.757	1296	1303	1307	rVB	22843	32951	1.18%	0.098%
18	9.828	1307	1315	1318	rBV	515627	717884	25.77%	2.125%
19	9.857	1318	1320	1324	rVB	175188	187723	6.74%	0.556%
20	9.981	1337	1341	1345	rBV2	33685	50223	1.80%	0.149%
21	10.028	1345	1349	1353	rVV	97344	132716	4.76%	0.393%
22	10.069	1353	1356	1365	rVB3	27550	43927	1.58%	0.130%
23	10.145	1365	1369	1371	rBV	26001	36033	1.29%	0.107%
24	10.233	1380	1384	1385	rBV	29764	36045	1.29%	0.107%
25	10.257	1385	1388	1392	rVB	39890	49924	1.79%	0.148%
26	10.375	1403	1408	1413	rBV	158192	211122	7.58%	0.625%
27	10.439	1413	1419	1421	rBV	37719	73539	2.64%	0.218%
28	10.539	1431	1436	1441	rVB2	126899	189437	6.80%	0.561%
29	10.616	1443	1449	1454	rBV	824914	1069585	38.39%	3.167%
30	10.739	1465	1470	1477	rVB2	115214	191084	6.86%	0.566%
31	10.810	1478	1482	1486	rBV6	14653	30177	1.08%	0.089%
32	10.922	1495	1501	1504	rBV3	55347	105125	3.77%	0.311%
33	11.051	1519	1523	1525	rBV3	42485	64758	2.32%	0.192%
34	11.122	1531	1535	1538	rVB	56536	71837	2.58%	0.213%
35	11.175	1538	1544	1547	rVV4	95408	171587	6.16%	0.508%
36	11.210	1547	1550	1556	rVB	107372	143736	5.16%	0.426%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.339	1563	1572	1576	rBV2	1472888	2447621	87.86%	7.247%
38	11.392	1576	1581	1584	rVV	322117	447602	16.07%	1.325%
39	11.422	1584	1586	1592	rVB2	41387	52582	1.89%	0.156%
40	11.545	1601	1607	1614	rBV2	103024	208990	7.50%	0.619%
41	11.610	1614	1618	1621	rVV	94392	121400	4.36%	0.359%
42	11.645	1621	1624	1629	rVB2	35737	52309	1.88%	0.155%
43	11.816	1649	1653	1655	rVV	190448	247286	8.88%	0.732%
44	11.845	1655	1658	1662	rVV	407974	515224	18.49%	1.525%
45	11.892	1662	1666	1668	rVV	118197	156753	5.63%	0.464%
46	11.927	1668	1672	1680	rVB2	333934	640695	23.00%	1.897%
47	12.016	1681	1687	1691	rBV3	64594	127308	4.57%	0.377%
48	12.110	1699	1703	1706	rBV	133873	189180	6.79%	0.560%
49	12.139	1706	1708	1712	rVB	95140	95952	3.44%	0.284%
50	12.263	1724	1729	1732	rBV	140479	190698	6.85%	0.565%
51	12.369	1742	1747	1750	rBV	133172	213962	7.68%	0.633%
52	12.404	1750	1753	1758	rVV2	109962	188995	6.78%	0.560%
53	12.457	1758	1762	1767	rVB	113110	157109	5.64%	0.465%
54	12.533	1770	1775	1779	rVV	1900526	2478225	88.96%	7.337%
55	12.575	1779	1782	1788	rVB3	108029	181101	6.50%	0.536%
56	12.763	1807	1814	1819	rBV	1788047	2785809	100.00%	8.248%
57	12.810	1819	1822	1827	rVB2	99281	148172	5.32%	0.439%
58	12.904	1830	1838	1845	rVB	1092232	1652652	59.32%	4.893%
59	12.980	1845	1851	1855	rBV3	165061	314704	11.30%	0.932%
60	13.039	1857	1861	1863	rBV	156576	194208	6.97%	0.575%
61	13.086	1867	1869	1873	rVB	230031	246585	8.85%	0.730%
62	13.157	1877	1881	1883	rBV	111713	141096	5.06%	0.418%
63	13.192	1883	1887	1894	rVB3	181293	300814	10.80%	0.891%
64	13.280	1900	1902	1905	rBV	84815	95339	3.42%	0.282%
65	13.316	1905	1908	1916	rVB2	108041	146017	5.24%	0.432%
66	13.598	1953	1956	1960	rVB	116483	146473	5.26%	0.434%
67	13.704	1971	1974	1977	rBV2	113271	165360	5.94%	0.490%
68	13.733	1977	1979	1981	rVV	73481	76288	2.74%	0.226%
69	13.804	1989	1991	1999	rVB	117299	159892	5.74%	0.473%
70	13.957	2011	2017	2020	rBV2	1023950	1813178	65.09%	5.368%
71	13.986	2020	2022	2029	rVB	760115	932867	33.49%	2.762%
72	14.063	2033	2035	2040	rVB	101306	118307	4.25%	0.350%
73	15.004	2190	2195	2204	rVB	682511	1465875	52.62%	4.340%
74	15.298	2241	2245	2251	rVB	372856	608912	21.86%	1.803%
75	15.363	2251	2256	2261	rVB	534496	781660	28.06%	2.314%
76	15.421	2262	2266	2269	rBV	193251	318670	11.44%	0.943%

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Misc :
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Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.868	2507	2512	2520	rVB2	236575	484831	17.40%	1.435%
78	17.304	2581	2586	2598	rVB	204445	452353	16.24%	1.339%

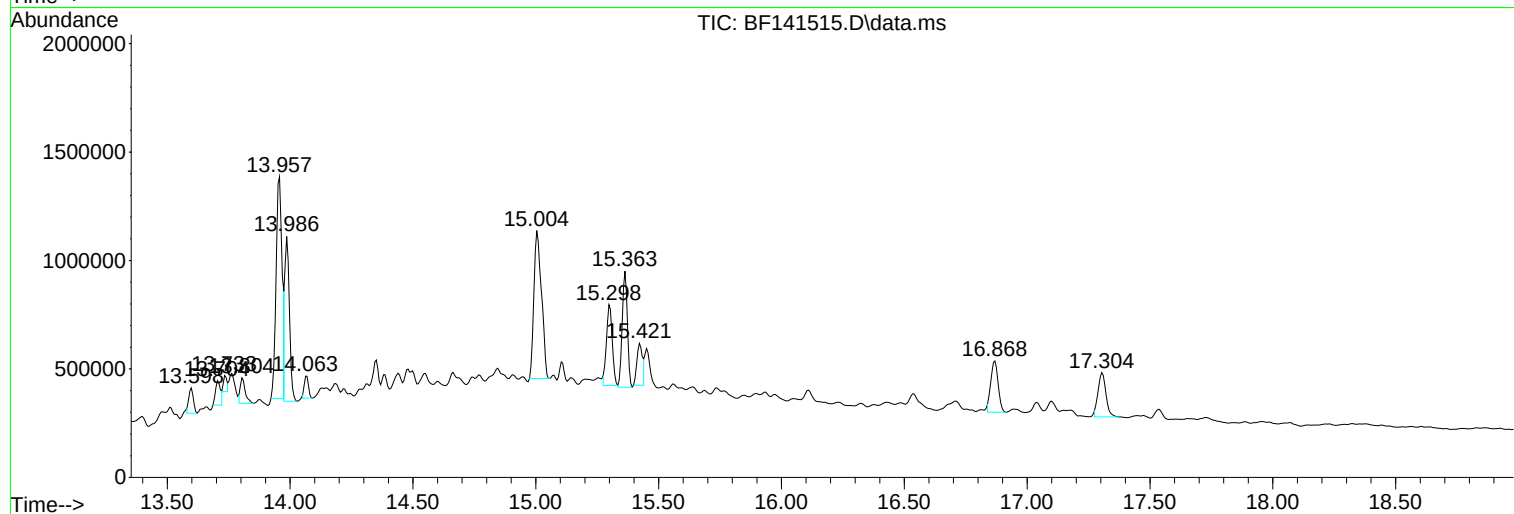
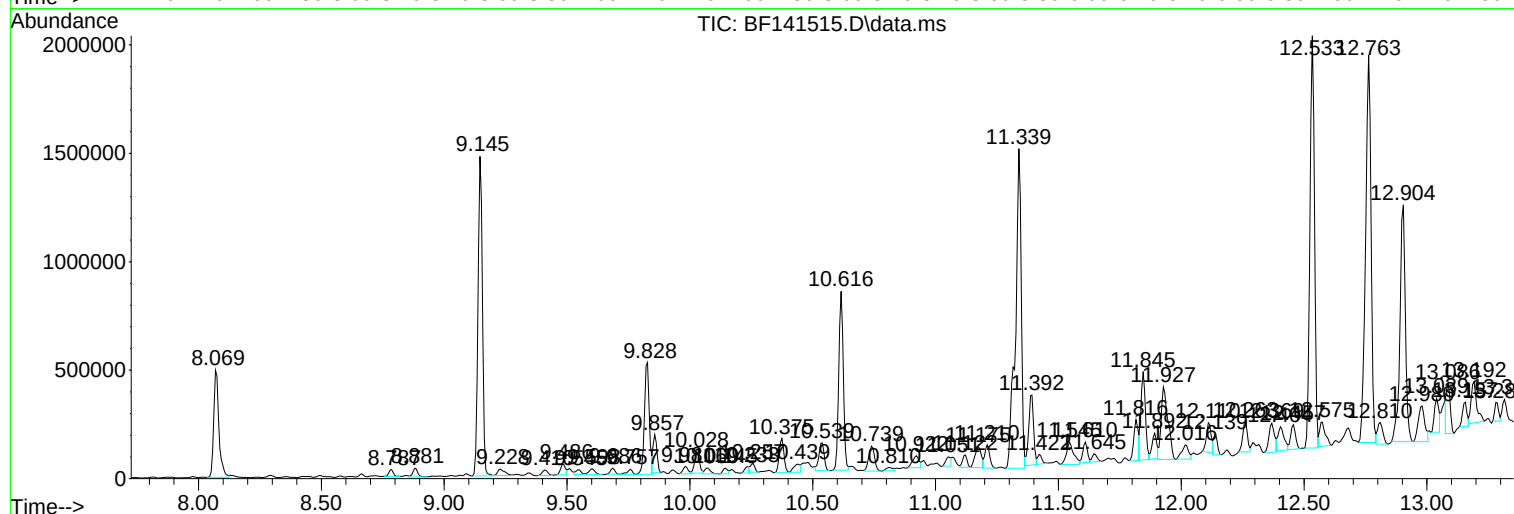
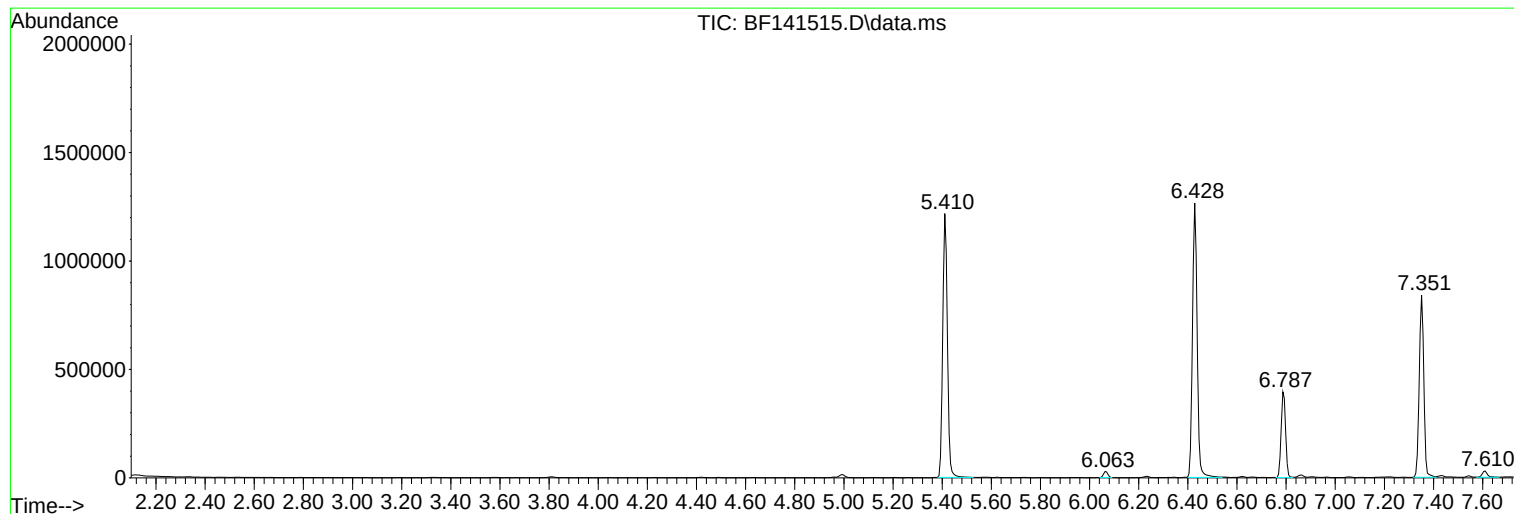
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

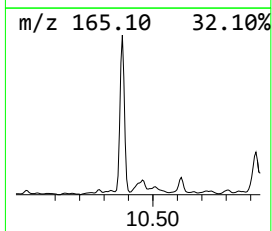
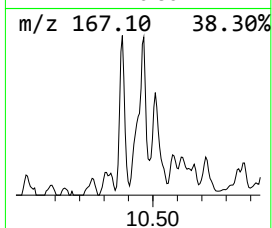
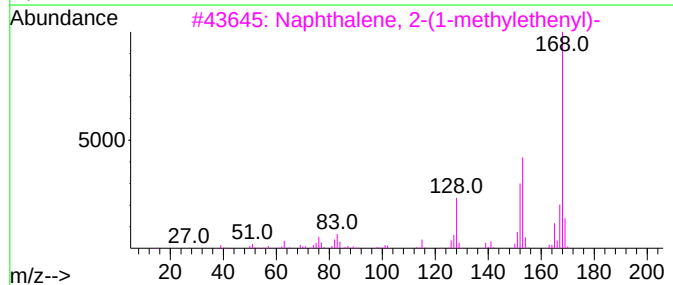
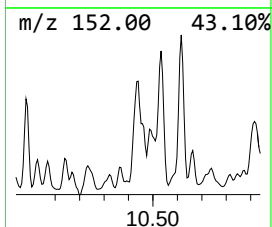
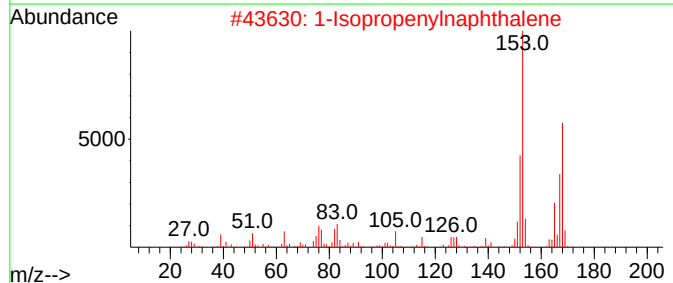
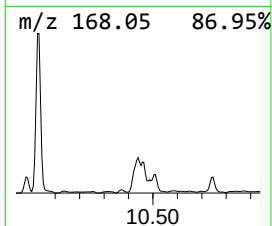
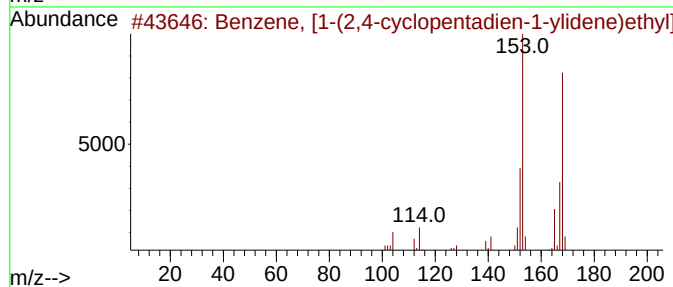
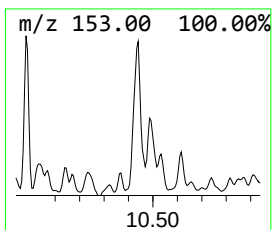
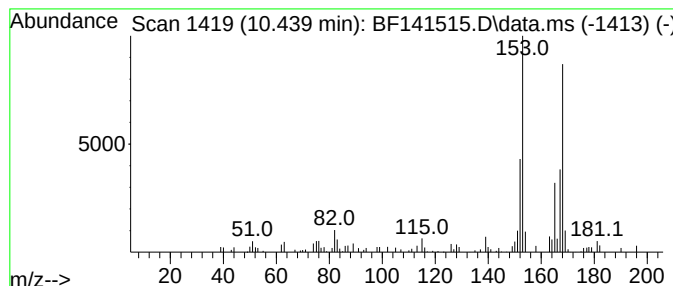
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, [1-(2,4-cyclopenta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.439	2.05 ng	73539	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	93
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
3			Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
4			4-Methylthio-2,6-xyleneol	168	C9H12OS	007379-49-9	49
5			1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47



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Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

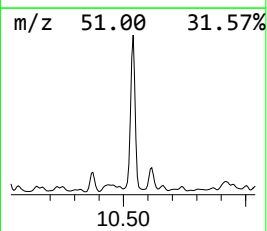
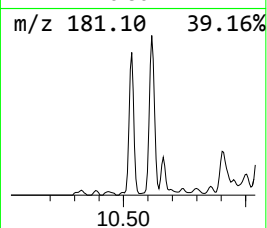
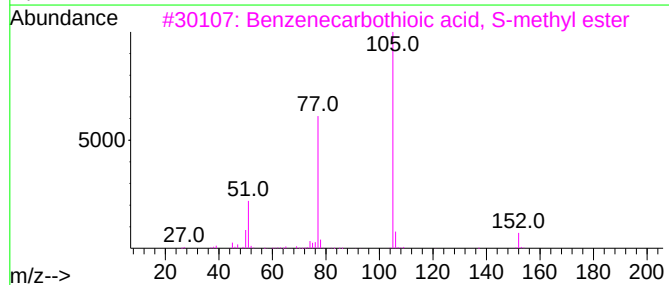
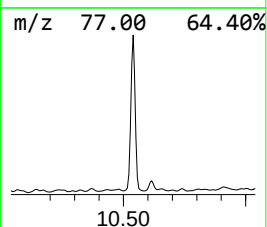
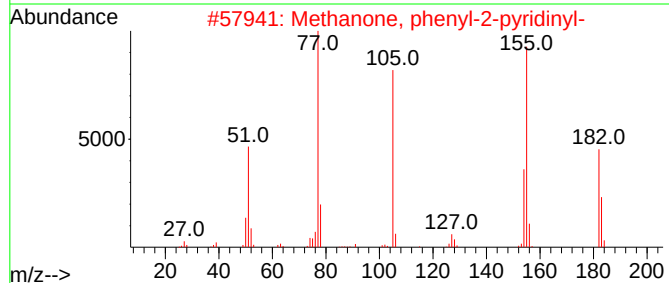
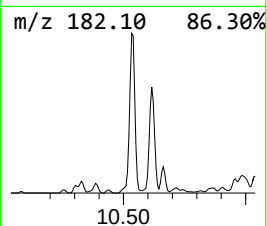
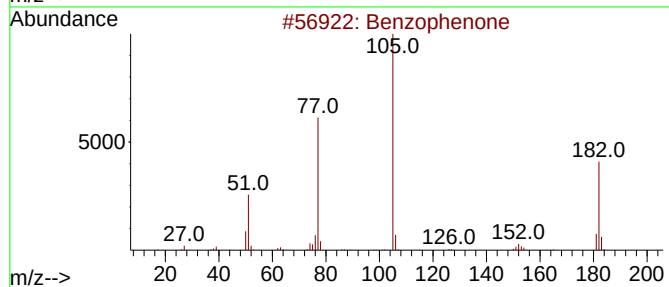
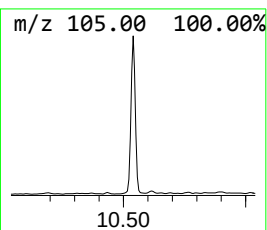
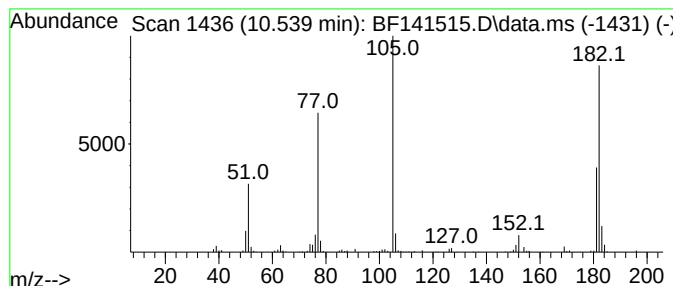
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	5.28 ng	189437	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	91
2			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	38
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38
4			3-Mercaptobenzoic acid, S-methyl...	182	C9H10O2S	090721-40-7	35
5			Vinyl benzoate	148	C9H8O2	000769-78-8	27



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Misc :
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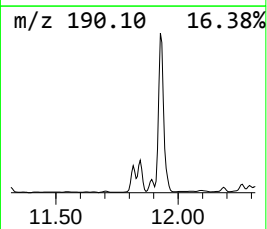
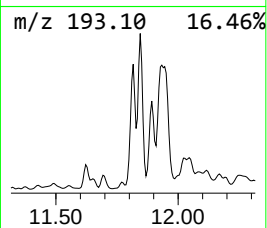
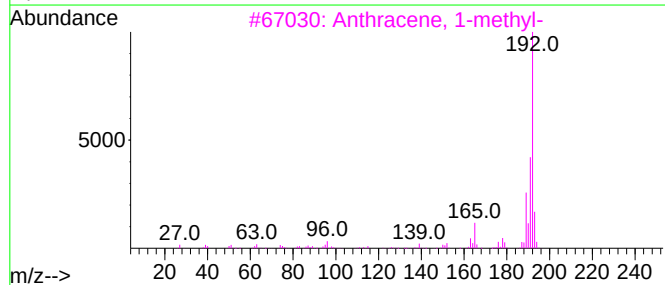
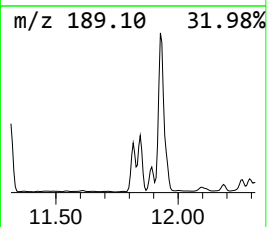
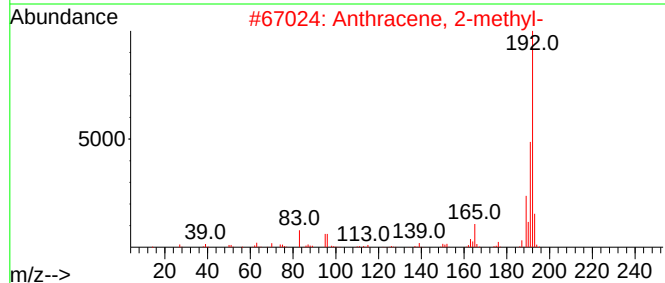
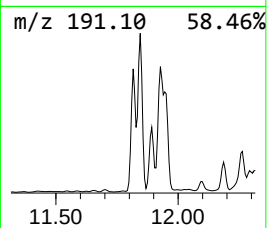
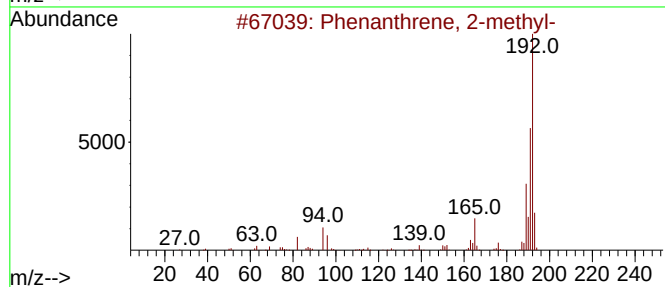
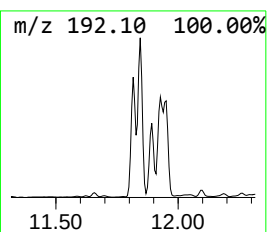
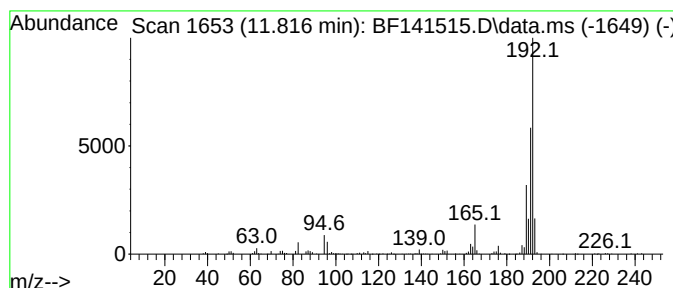
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	2.02 ng	247286	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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Sample : Q1215-07
Misc :
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Instrument :
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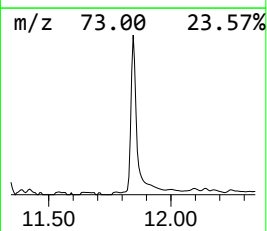
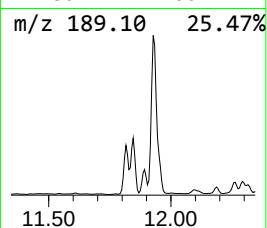
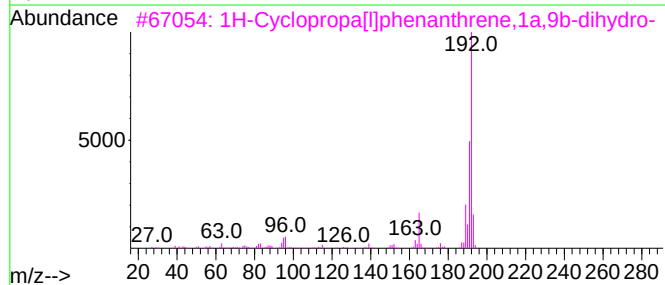
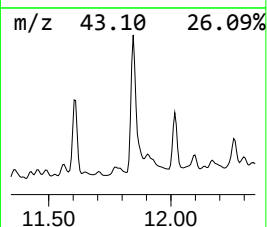
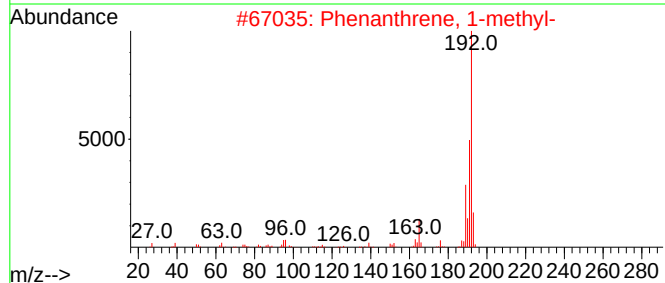
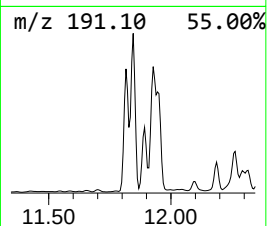
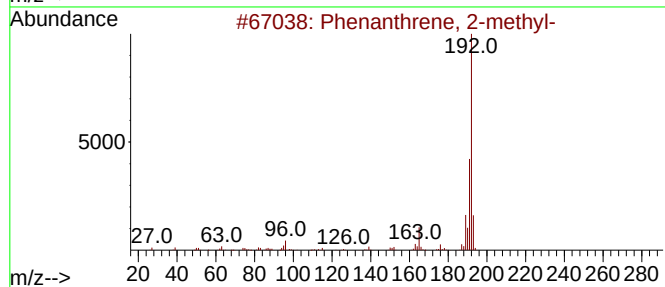
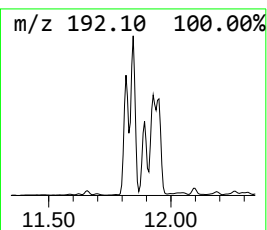
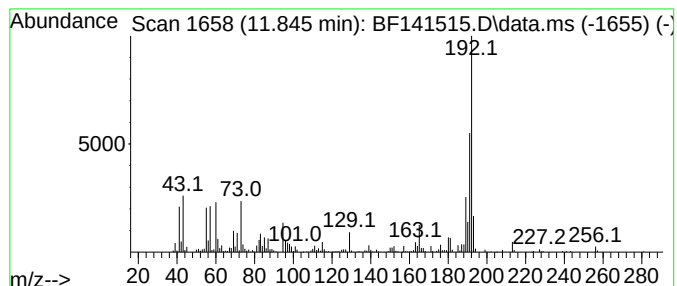
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	4.21 ng	515224	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

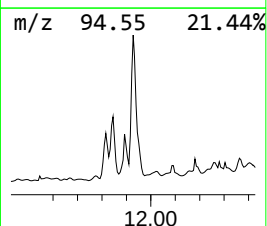
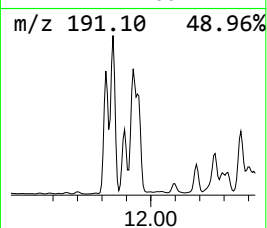
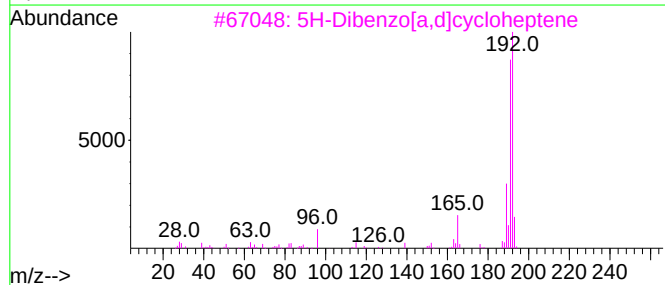
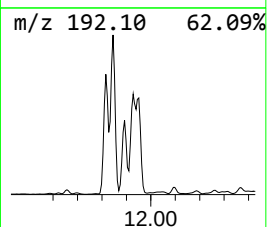
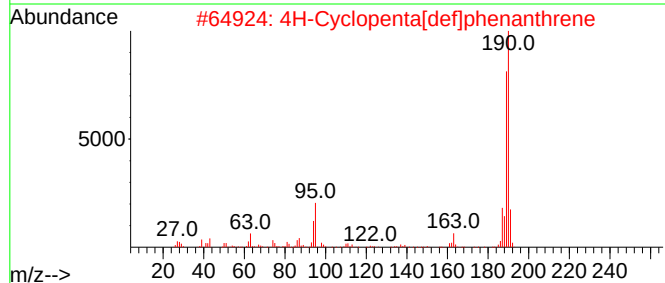
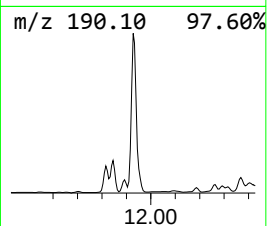
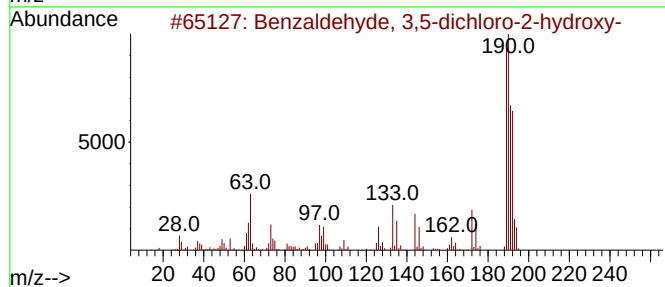
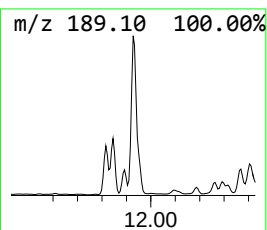
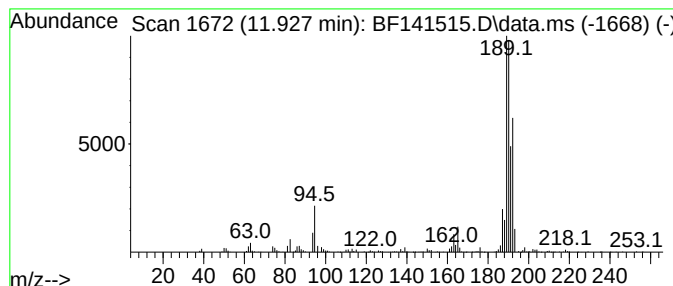
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JPP-29.2-012825

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.928	5.24 ng	640695	Phenanthrene-d10			11.316
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...		190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	60
3	5H-Dibenzo[a,d]cycloheptene		192	C15H12	000256-81-5	25
4	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	25
5	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
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Operator : RC/JU
Sample : Q1215-07
Misc :
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Instrument :
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ClientSampleId :
JPP-29.2-012825

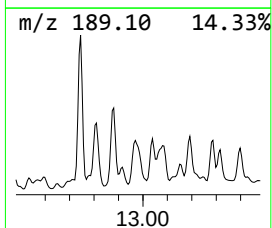
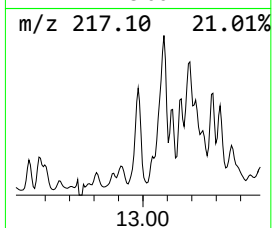
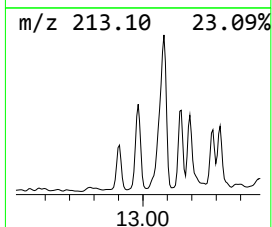
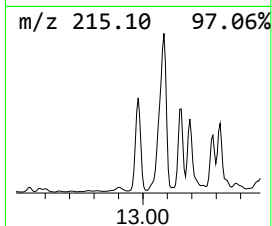
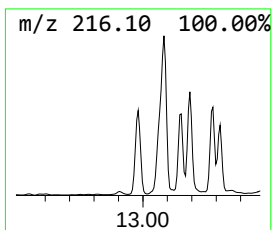
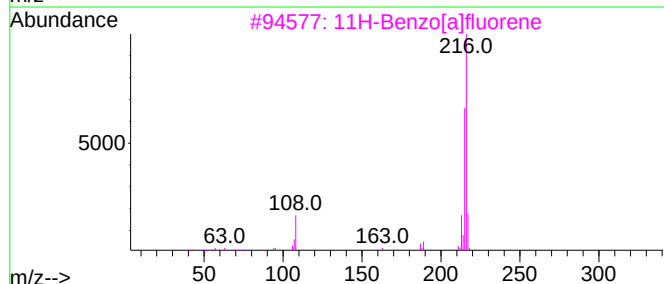
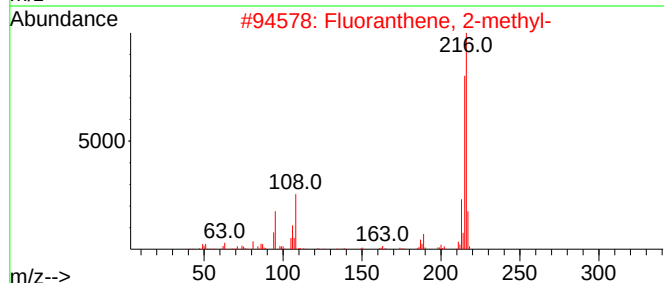
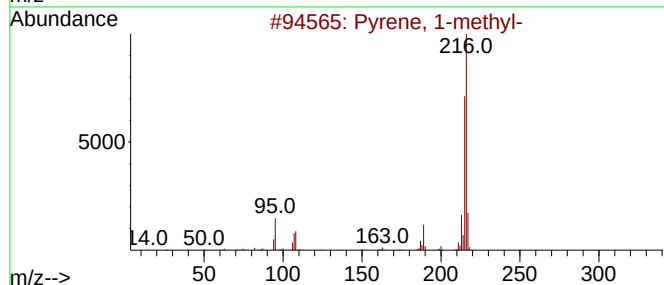
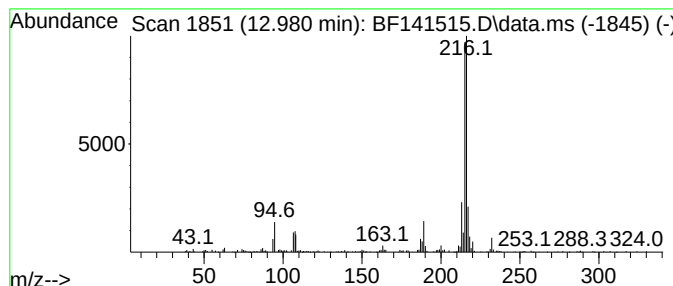
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	3.47 ng	314704	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
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Instrument :
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ClientSampleId :
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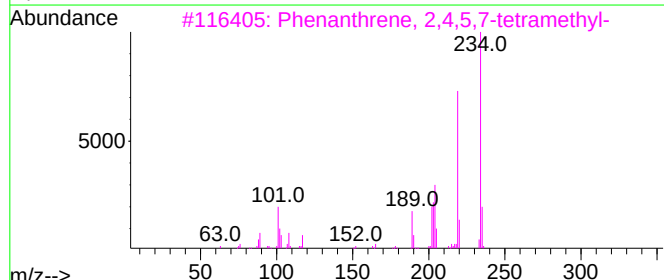
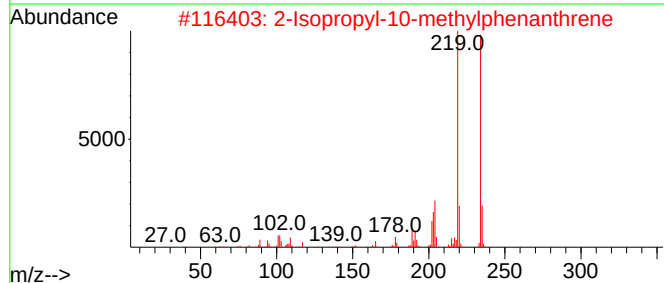
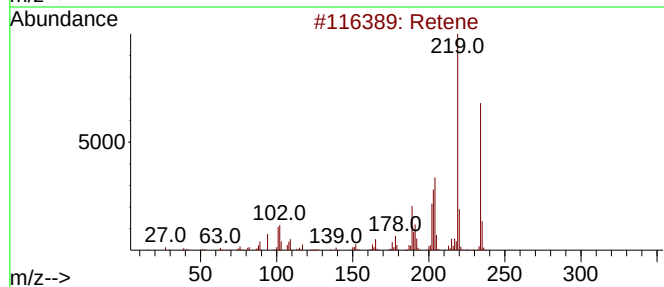
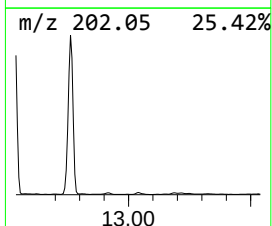
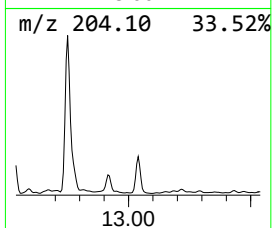
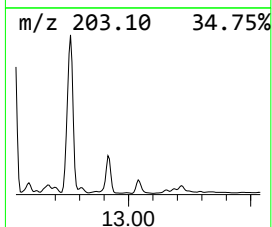
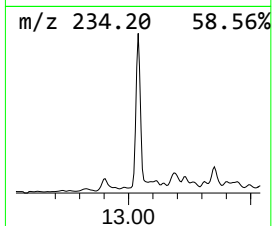
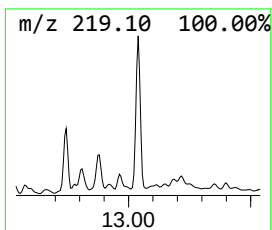
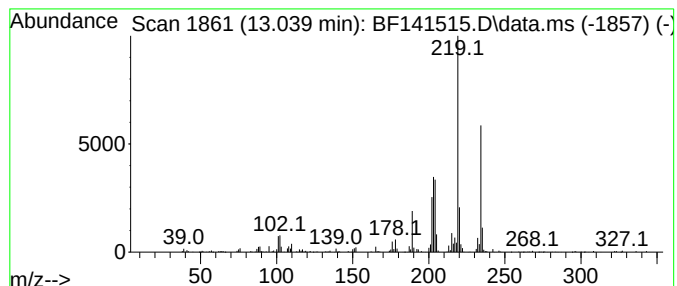
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Retene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	2.14 ng	194208	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Retene	234	C18H18	000483-65-8	95
2			2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3			Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	64
4			Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52
5			Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
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Misc :
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Instrument :
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ClientSampleId :
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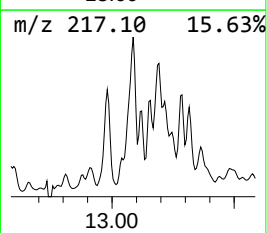
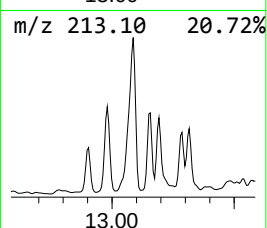
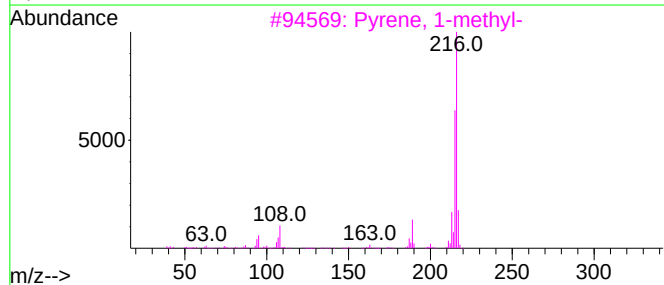
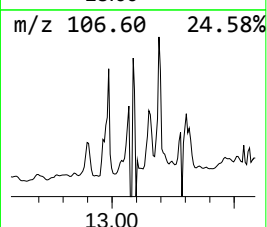
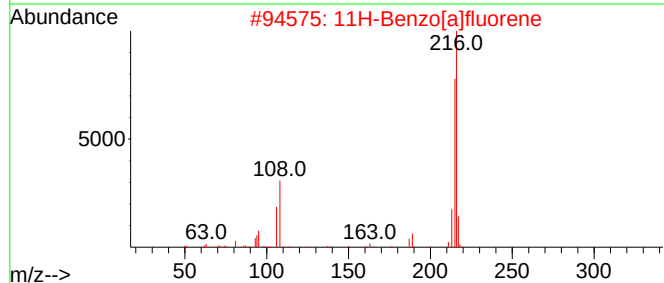
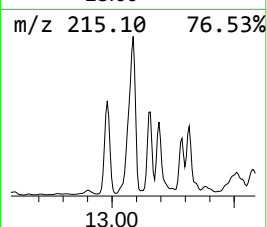
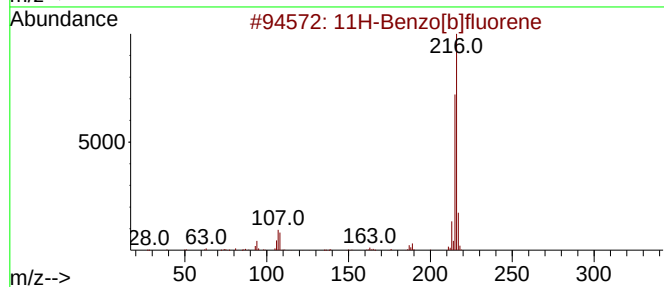
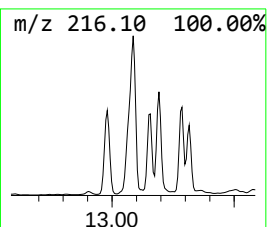
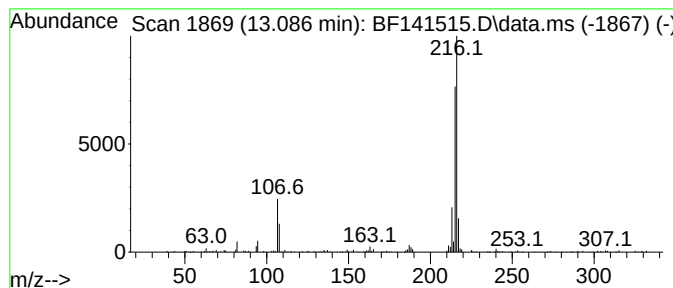
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	2.72 ng	246585	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-29.2-012825

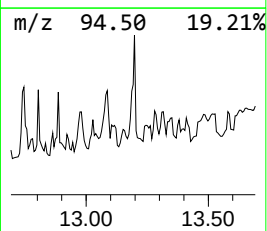
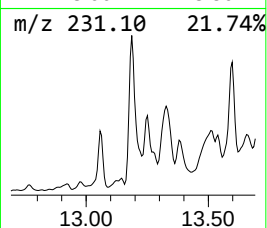
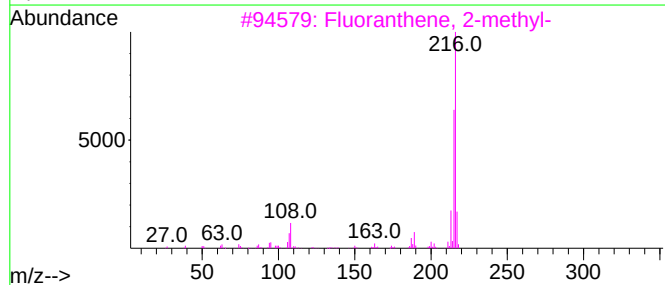
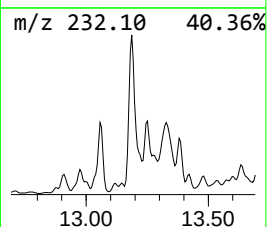
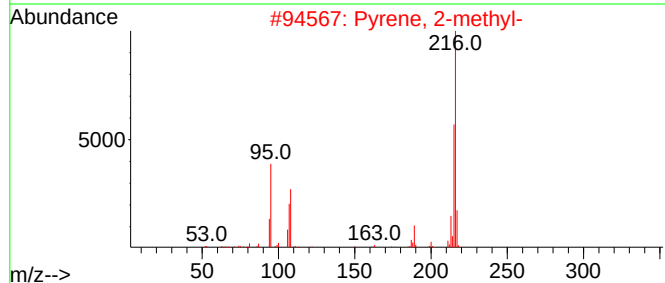
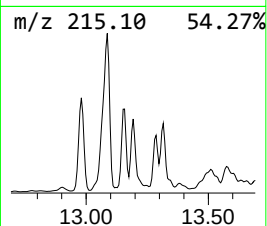
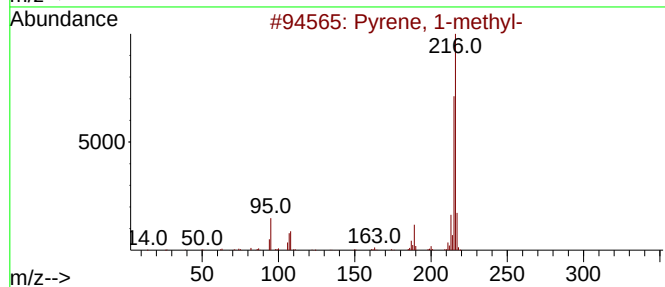
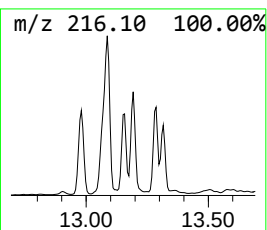
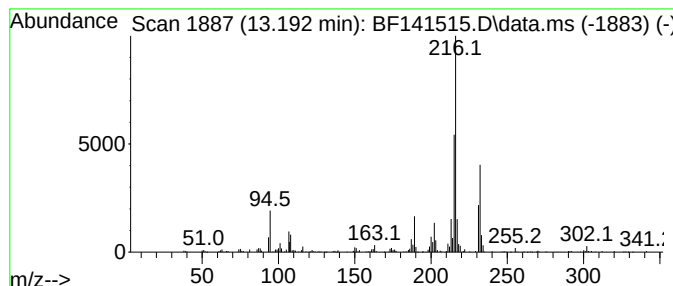
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.32 ng	300814	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92		
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83		
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55		
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53		
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
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ClientSampleId :
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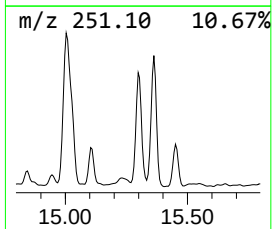
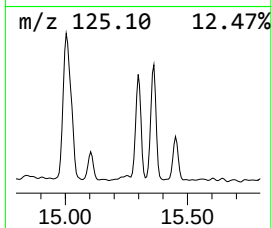
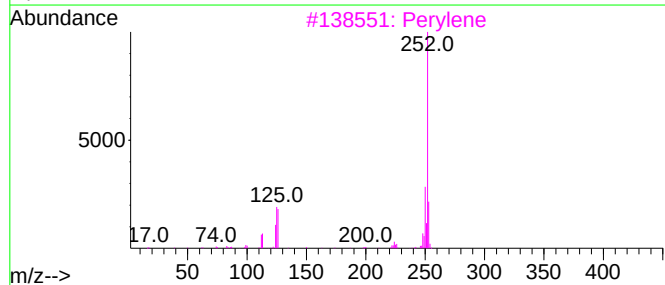
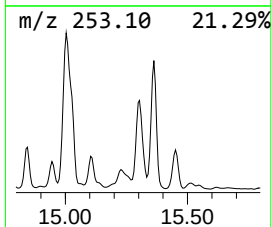
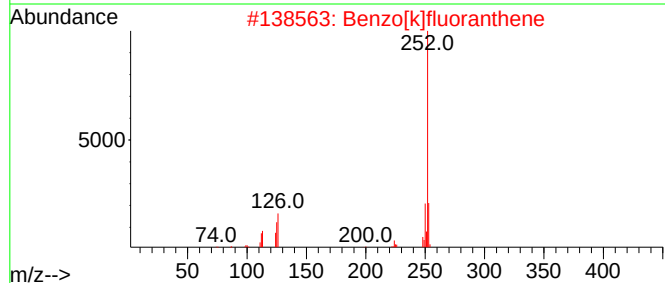
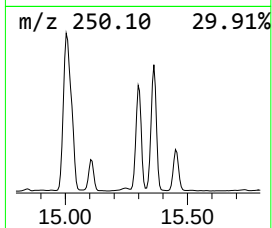
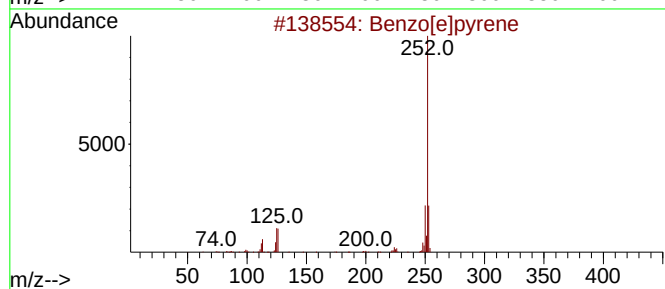
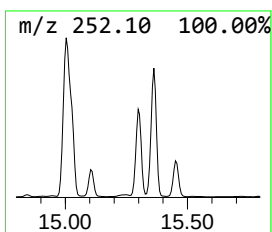
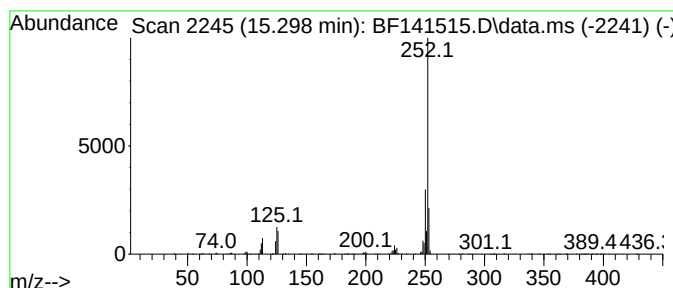
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	38.22 ng	608912	Perylene-d12	15.421

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
Operator : RC/JU
Sample : Q1215-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, [1-(2,...	10.439	2.0	ng	73539	3	9.828	717884	20.0
Benzophenone	10.539	5.3	ng	189437	3	9.828	717884	20.0
Phenanthrene, 2...	11.816	2.0	ng	247286	4	11.316	2447620	20.0
Phenanthrene, 1...	11.845	4.2	ng	515224	4	11.316	2447620	20.0
Benzaldehyde, 3...	11.928	5.2	ng	640695	4	11.316	2447620	20.0
Pyrene, 1-methyl-	12.980	3.5	ng	314704	5	13.963	1813180	20.0
Retene	13.039	2.1	ng	194208	5	13.963	1813180	20.0
11H-Benzo[b]flu...	13.086	2.7	ng	246585	5	13.963	1813180	20.0
Pyrene, 2-methyl-	13.192	3.3	ng	300814	5	13.963	1813180	20.0
Benzo[e]pyrene	15.298	38.2	ng	608912	6	15.421	318670	20.0

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-29.2-012825DL	SDG No.:	Q1215
Lab Sample ID:	Q1215-07DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141545.D	2	01/30/25 09:15	02/10/25 19:53	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	740	UD	410	740	ug/Kg
108-95-2	Phenol	380	UD	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	UD	190	380	ug/Kg
95-57-8	2-Chlorophenol	380	UD	190	380	ug/Kg
95-48-7	2-Methylphenol	380	UD	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	UD	200	380	ug/Kg
98-86-2	Acetophenone	380	UD	200	380	ug/Kg
65794-96-9	3+4-Methylphenols	740	UD	180	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	UD	90.7	180	ug/Kg
67-72-1	Hexachloroethane	380	UD	190	380	ug/Kg
98-95-3	Nitrobenzene	380	UD	200	380	ug/Kg
78-59-1	Isophorone	380	UD	190	380	ug/Kg
88-75-5	2-Nitrophenol	380	UD	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	380	UD	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	UD	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	380	UD	170	380	ug/Kg
91-20-3	Naphthalene	380	UD	190	380	ug/Kg
106-47-8	4-Chloroaniline	380	UD	190	380	ug/Kg
87-68-3	Hexachlorobutadiene	380	UD	190	380	ug/Kg
105-60-2	Caprolactam	740	UD	200	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	UD	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	380	UD	190	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	740	UDQ	350	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	UD	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	UD	170	380	ug/Kg
92-52-4	1,1-Biphenyl	380	UD	200	380	ug/Kg
91-58-7	2-Chloronaphthalene	380	UD	190	380	ug/Kg
88-74-4	2-Nitroaniline	380	UD	210	380	ug/Kg
131-11-3	Dimethylphthalate	380	UD	180	380	ug/Kg

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-29.2-012825DL	SDG No.:	Q1215
Lab Sample ID:	Q1215-07DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141545.D	2	01/30/25 09:15	02/10/25 19:53	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	UD	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	UD	190	380	ug/Kg
99-09-2	3-Nitroaniline	380	UD	200	380	ug/Kg
83-32-9	Acenaphthene	230	JD	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	740	UD	550	740	ug/Kg
100-02-7	4-Nitrophenol	740	UD	260	740	ug/Kg
132-64-9	Dibenzofuran	380	UD	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	UD	190	380	ug/Kg
84-66-2	Diethylphthalate	380	UD	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	UD	190	380	ug/Kg
86-73-7	Fluorene	200	JD	190	380	ug/Kg
100-01-6	4-Nitroaniline	380	UD	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	UD	260	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	UD	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	UD	180	380	ug/Kg
118-74-1	Hexachlorobenzene	380	UD	190	380	ug/Kg
1912-24-9	Atrazine	380	UD	210	380	ug/Kg
87-86-5	Pentachlorophenol	740	UD	170	740	ug/Kg
85-01-8	Phenanthrene	2400	D	190	380	ug/Kg
120-12-7	Anthracene	570	D	190	380	ug/Kg
86-74-8	Carbazole	380	UD	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	380	UD	190	380	ug/Kg
206-44-0	Fluoranthene	3000	D	180	380	ug/Kg
129-00-0	Pyrene	2700	D	190	380	ug/Kg
85-68-7	Butylbenzylphthalate	380	UD	220	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740	UDQ	220	740	ug/Kg
56-55-3	Benzo(a)anthracene	1800	D	180	380	ug/Kg
218-01-9	Chrysene	1600	D	180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	UD	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	740	UD	250	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	D	180	380	ug/Kg

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-29.2-012825DL	SDG No.:	Q1215
Lab Sample ID:	Q1215-07DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141545.D	2	01/30/25 09:15	02/10/25 19:53	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	790	D	190	380	ug/Kg
50-32-8	Benzo(a)pyrene	1900	D	210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	840	D	180	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	JD	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990	D	180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	UD	200	380	ug/Kg
123-91-1	1,4-Dioxane	380	UD	250	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	UD	170	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.8		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	85.7		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.3		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.4		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		10 - 105	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	77300	6.787
1146-65-2	Naphthalene-d8	310000	8.069
15067-26-2	Acenaphthene-d10	166000	9.822
1517-22-2	Phenanthrene-d10	241000	11.31
1719-03-5	Chrysene-d12	180000	13.951
1520-96-3	Perylene-d12	169000	15.404

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\BF021025\
 Data File : BF141545.D
 Acq On : 10 Feb 2025 19:53
 Operator : RC/JU
 Sample : Q1215-07DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:08:51 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	77252	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310103	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	166362	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	240844	20.000	ng	0.00
76) Chrysene-d12	13.951	240	179683	20.000	ng	-0.01
86) Perylene-d12	15.404	264	169289	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	211354	42.892	ng	0.00
7) Phenol-d6	6.422	99	266723	42.826	ng	-0.02
23) Nitrobenzene-d5	7.345	82	176141	29.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	61418	36.751	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	325856	30.177	ng	-0.01
79) Terphenyl-d14	12.892	244	259311	24.363	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.851	154	29321	3.074	ng	99
58) Fluorene	10.369	166	28839	2.664	ng	98
71) Phenanthrene	11.333	178	419558	31.647	ng	100
72) Anthracene	11.380	178	101273	7.599	ng	99
73) Carbazole	11.539	167	24145	2.014	ng	97
75) Fluoranthene	12.522	202	558824	39.759	ng	99
78) Pyrene	12.751	202	544240	35.581	ng	99
81) Benzo(a)anthracene	13.939	228	290751	24.343	ng	98
83) Chrysene	13.974	228	236762	21.468	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	117168	11.201	ng	96
88) Benzo(b)fluoranthene	14.992	252	344333m	30.292	ng	
89) Benzo(k)fluoranthene	15.004	252	102409m	10.551	ng	
90) Benzo(a)pyrene	15.345	252	237008	25.768	ng	97
91) Dibenzo(a,h)anthracene	16.845	278	28891	3.409	ng	# 78
92) Benzo(g,h,i)perylene	17.274	276	117125	13.205	ng	100

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

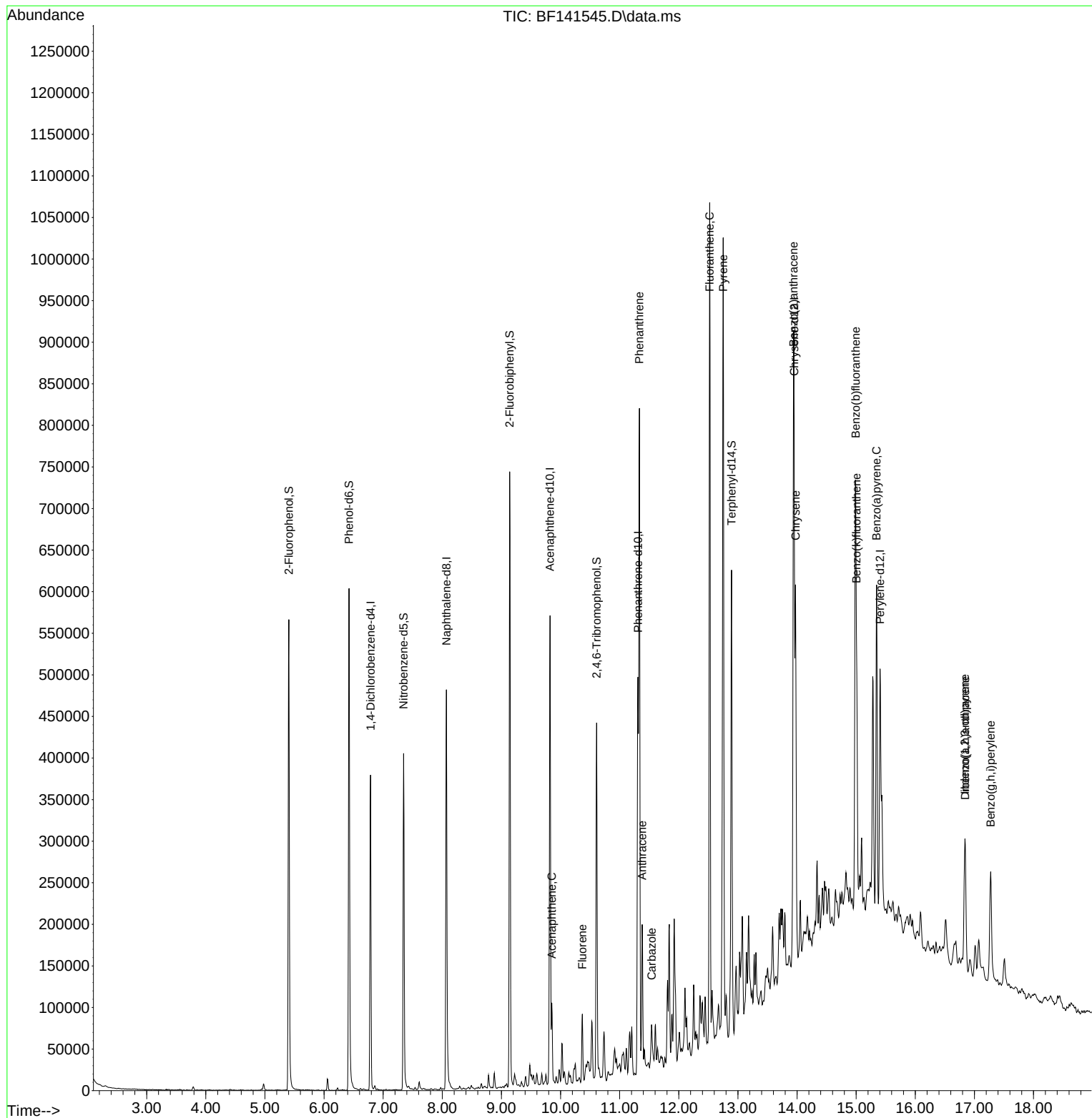
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Data File : BF141545.D
Acq On : 10 Feb 2025 19:53
Operator : RC/JU
Sample : Q1215-07DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

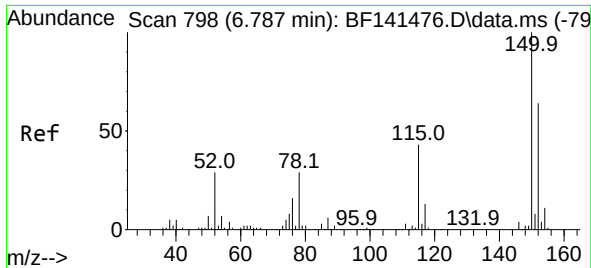
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

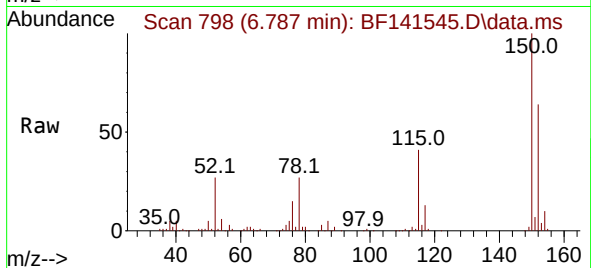
Quant Time: Feb 11 00:08:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

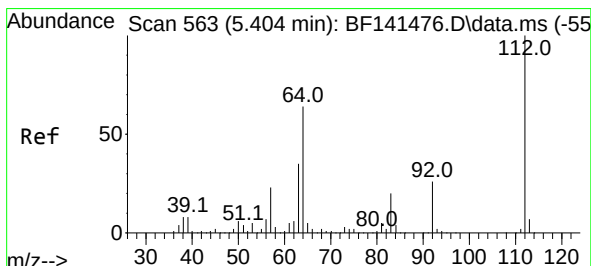
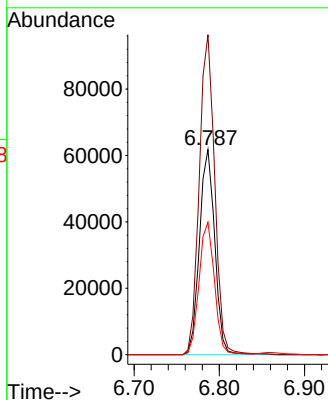
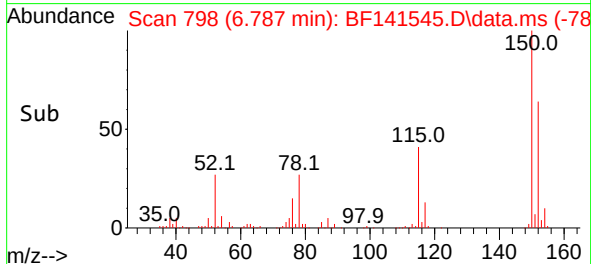
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



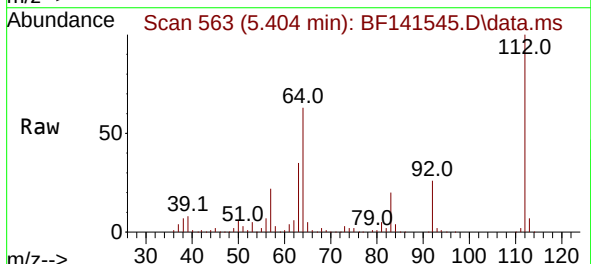
Tgt Ion:152 Resp: 7725
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 64.6 53.6 80.4

Manual Integrations
APPROVED

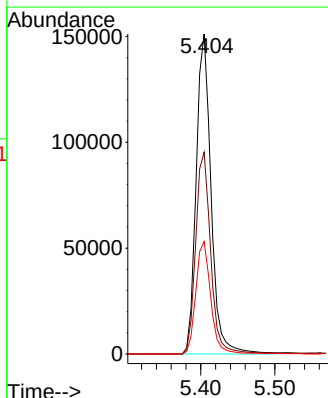
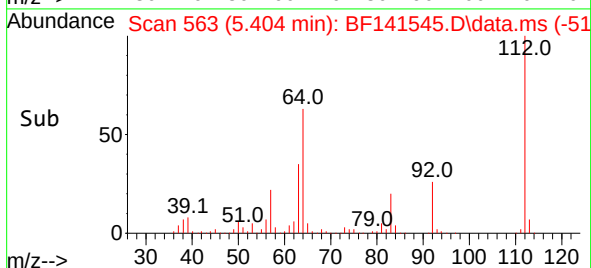
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

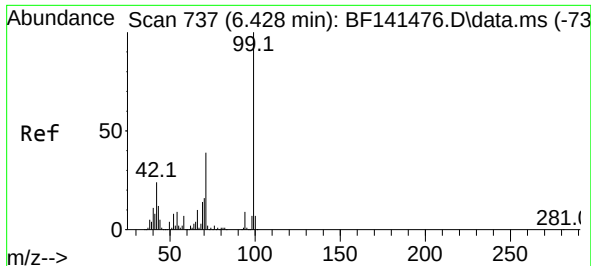


#5
2-Fluorophenol
Concen: 42.892 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



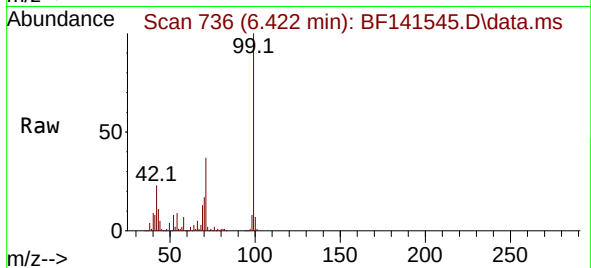
Tgt Ion:112 Resp: 211354
Ion Ratio Lower Upper
112 100
64 63.0 51.1 76.7
63 35.1 28.4 42.6





#7
Phenol-d6
Concen: 42.826 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

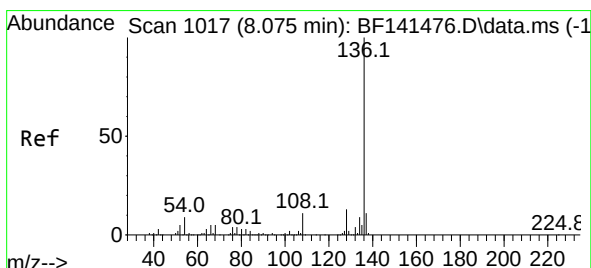
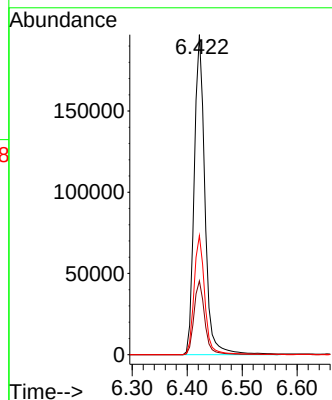
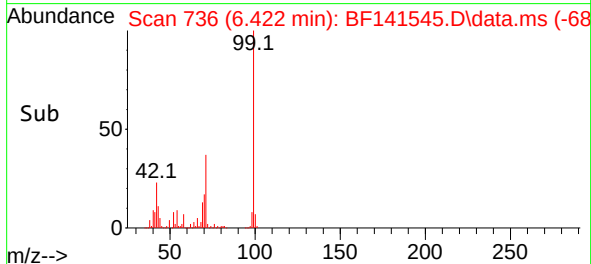
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



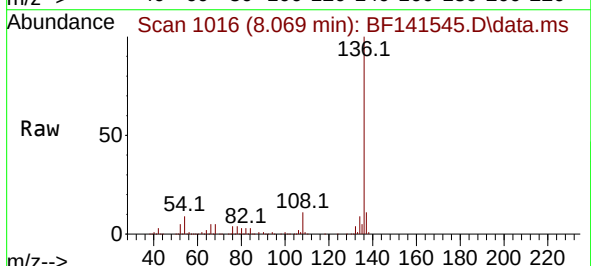
Tgt Ion: 99 Resp: 26672
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.2 31.1 46.7

Manual Integrations
APPROVED

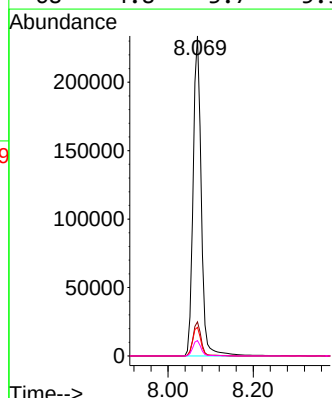
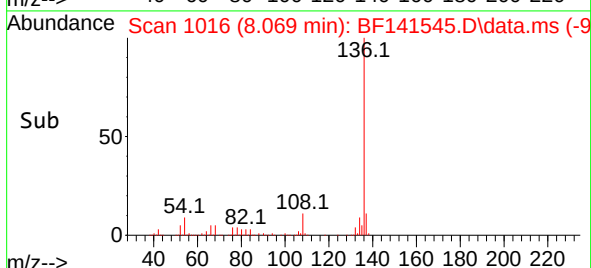
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

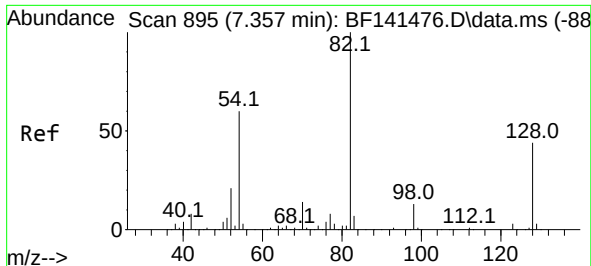


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion:136 Resp: 310103
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 29.626 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

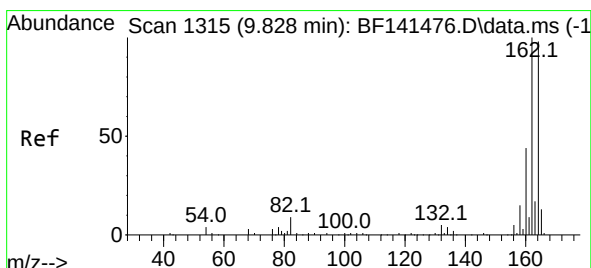
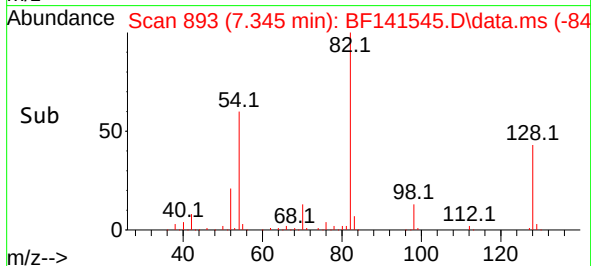
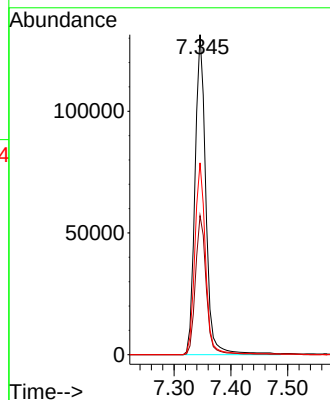
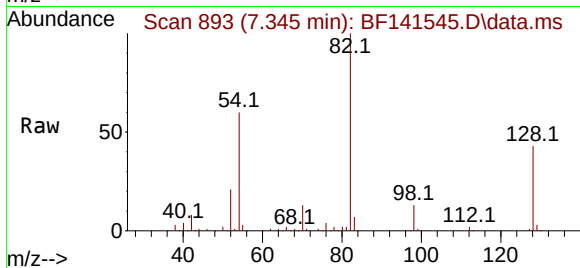
JPP-29.2-012825DL

Tgt Ion: 82 Resp: 17614

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	60.0	48.2	72.4

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

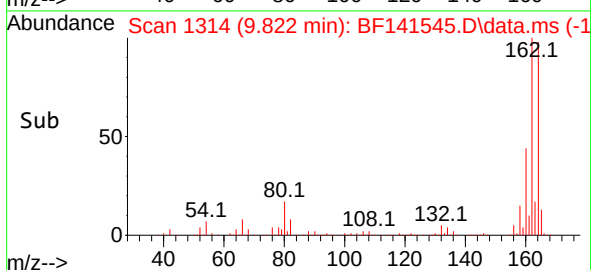
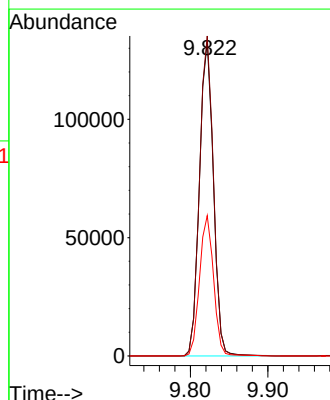
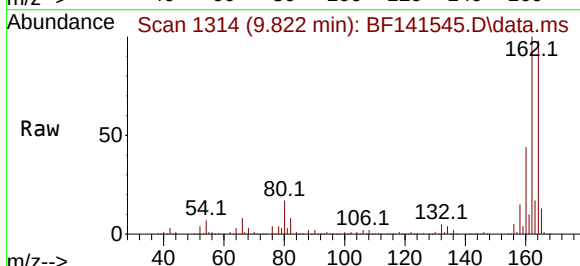
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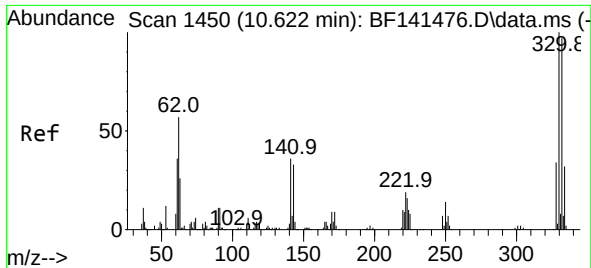
Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Tgt Ion:164 Resp: 166362

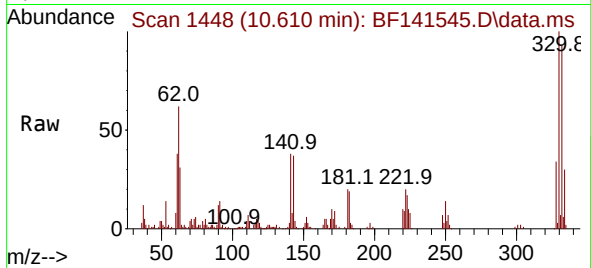
Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.3	121.9
160	44.6	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 36.751 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

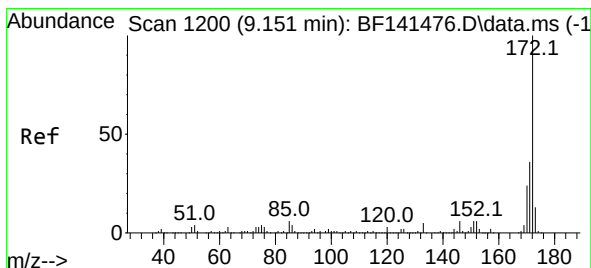
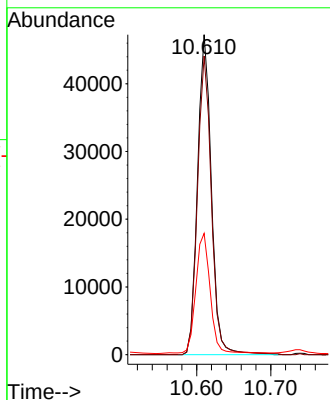
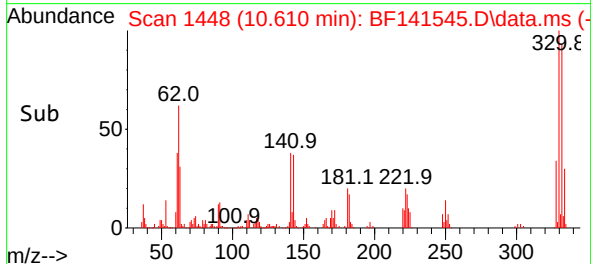
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



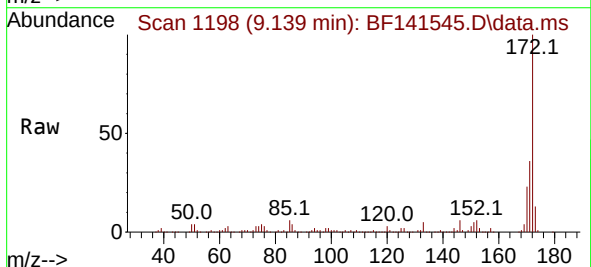
Tgt Ion: 330 Resp: 61418
Ion Ratio Lower Upper
330 100
332 93.7 78.5 117.7
141 39.4 31.0 46.4

Manual Integrations
APPROVED

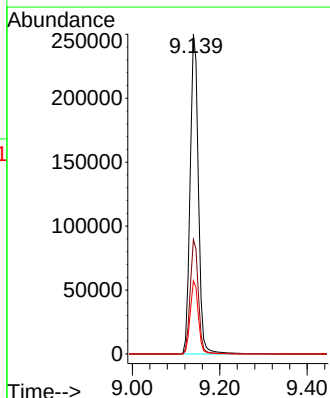
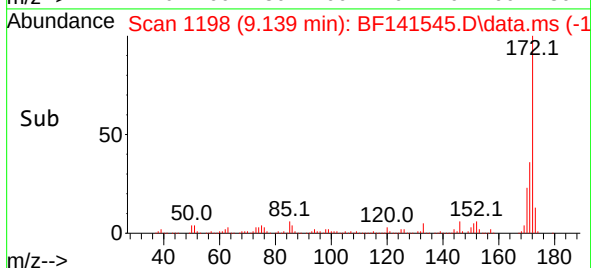
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

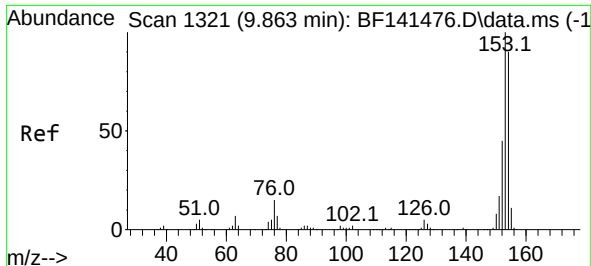


#45
2-Fluorobiphenyl
Concen: 30.177 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



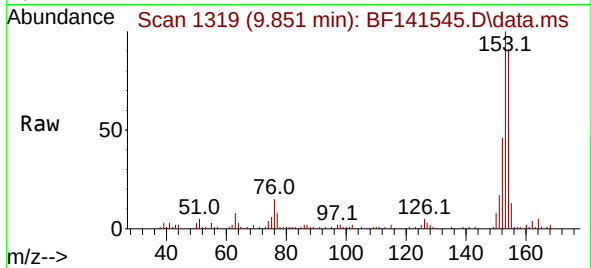
Tgt Ion: 172 Resp: 325856
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 22.9 18.9 28.3





#52
Acenaphthene
Concen: 3.074 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

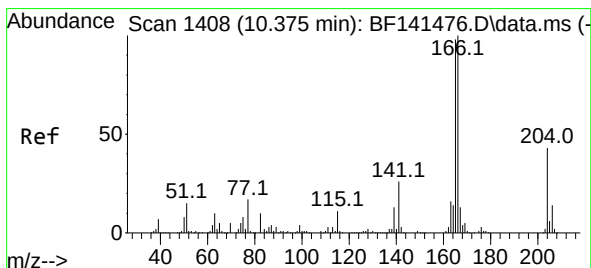
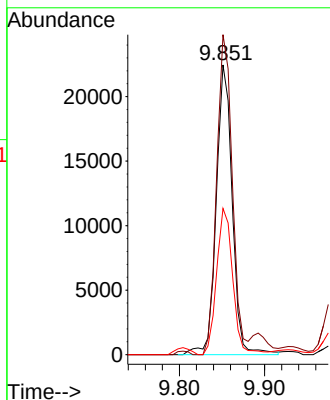
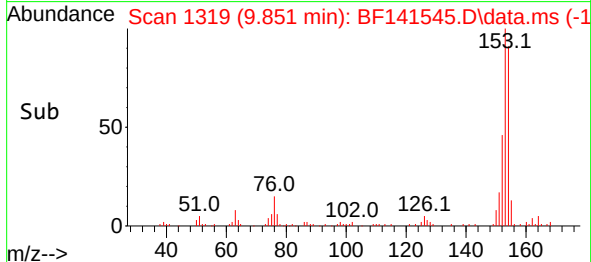
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



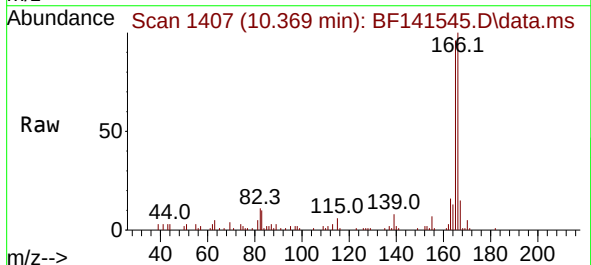
Tgt Ion:154 Resp: 2932
Ion Ratio Lower Upper
154 100
153 110.4 89.2 133.8
152 50.4 39.8 59.8

Manual Integrations
APPROVED

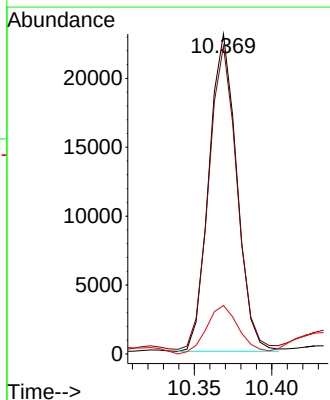
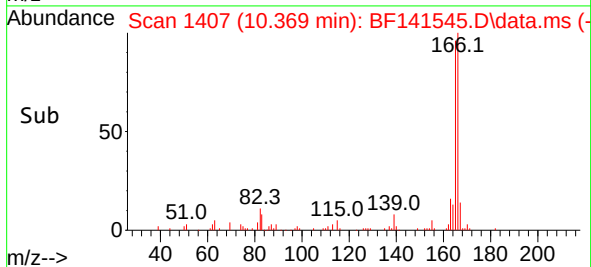
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

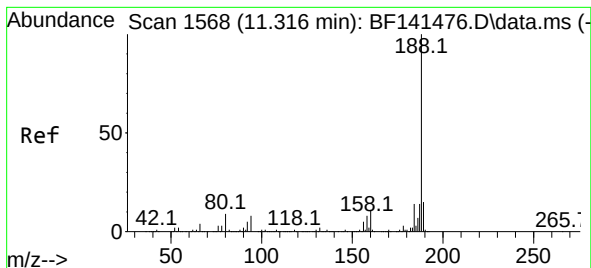


#58
Fluorene
Concen: 2.664 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion:166 Resp: 28839
Ion Ratio Lower Upper
166 100
165 96.2 78.2 117.2
167 15.2 10.7 16.1





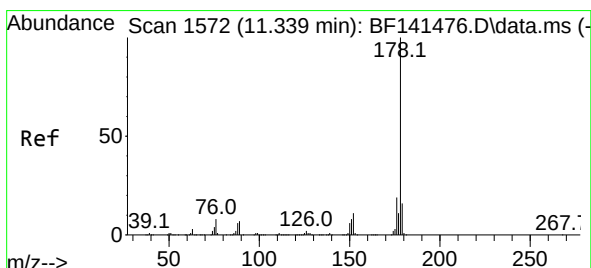
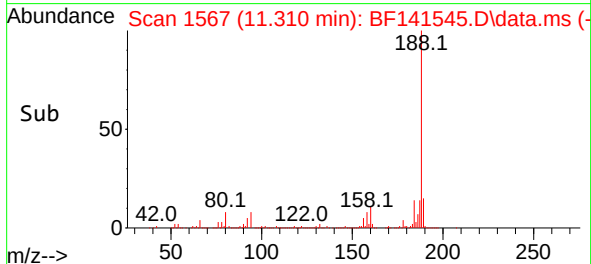
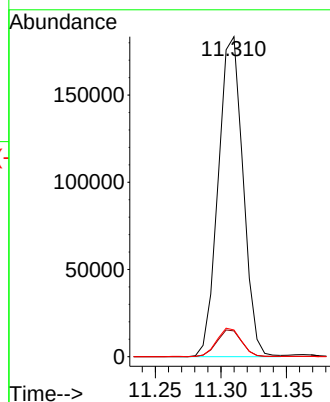
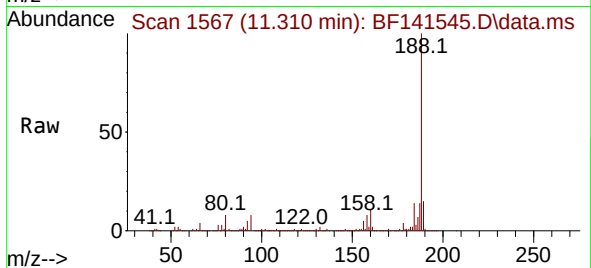
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Tgt Ion:188 Resp: 24084
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.4 7.3 10.9

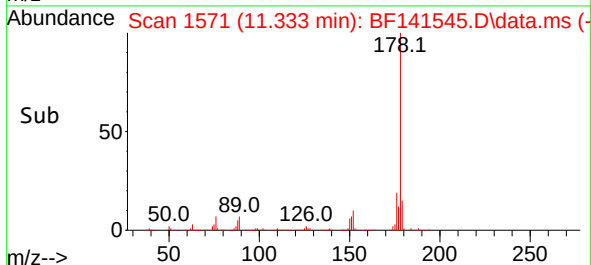
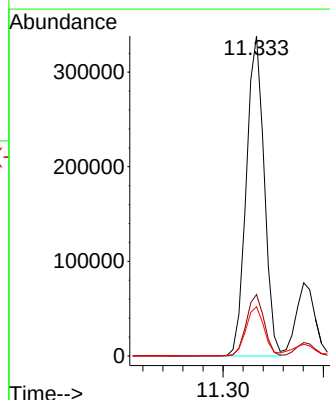
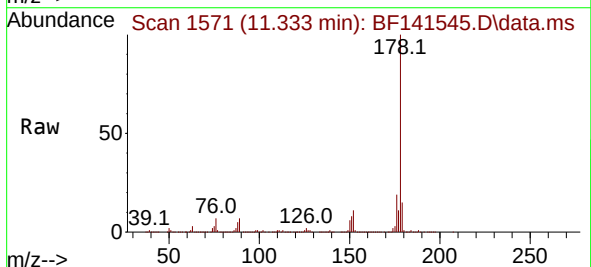
Manual Integrations
APPROVED

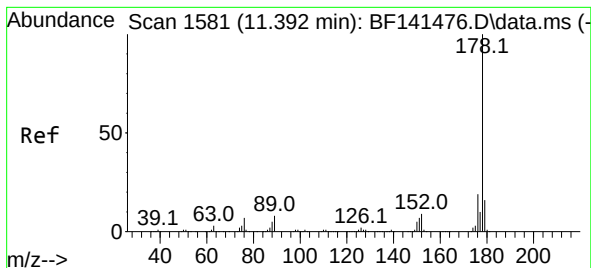
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#71
Phenanthrene
Concen: 31.647 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

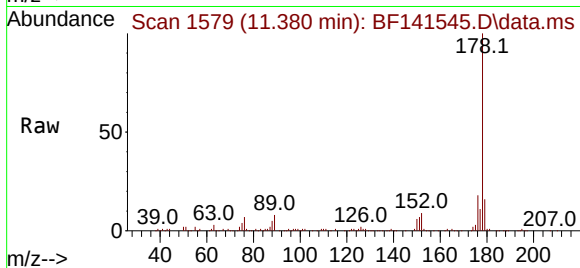
Tgt Ion:178 Resp: 419558
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 7.599 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

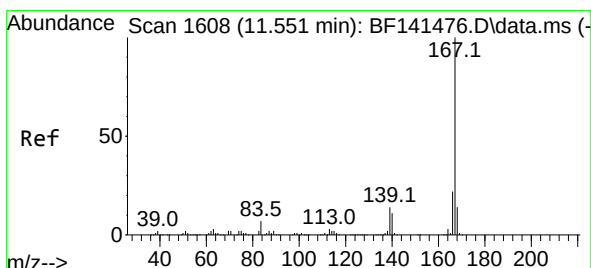
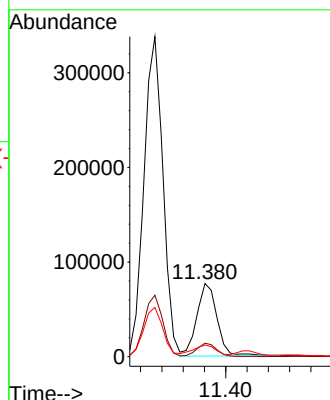
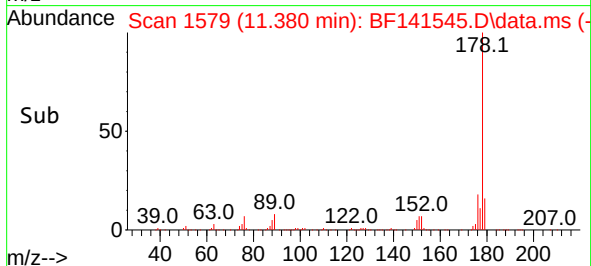
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL



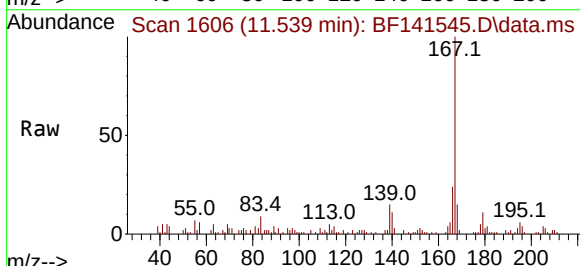
Tgt Ion:178 Resp: 10127
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.9 12.4 18.6

Manual Integrations
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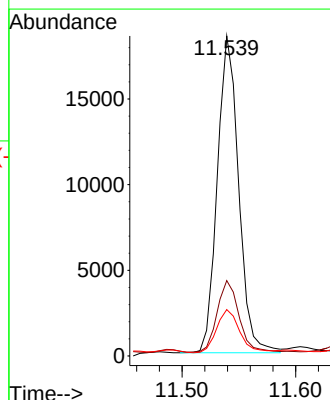
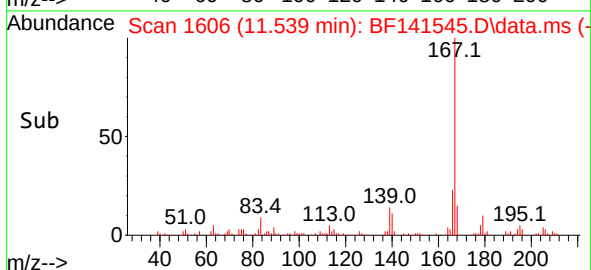
Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

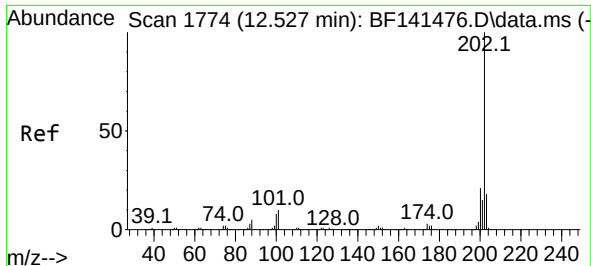


#73
 Carbazole
 Concen: 2.014 ng
 RT: 11.539 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53



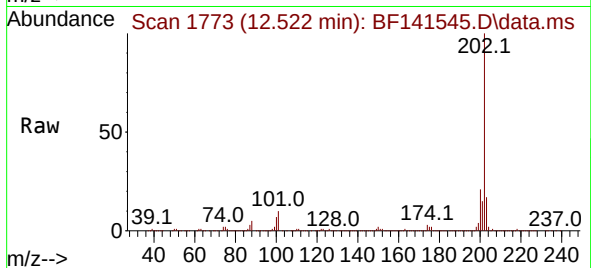
Tgt Ion:167 Resp: 24145
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.2
 139 14.5 10.9 16.3





#75
Fluoranthene
Concen: 39.759 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

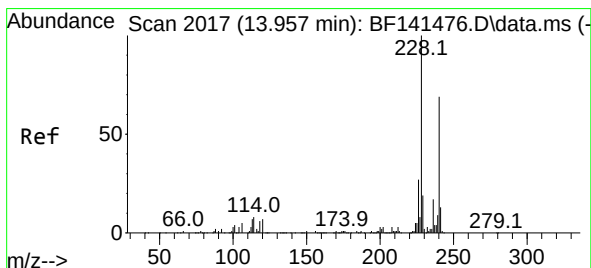
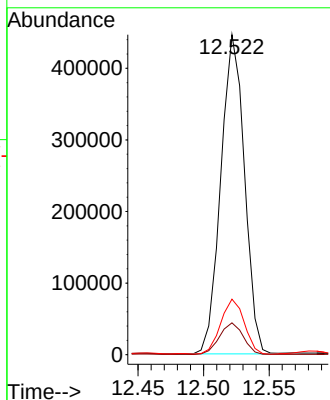
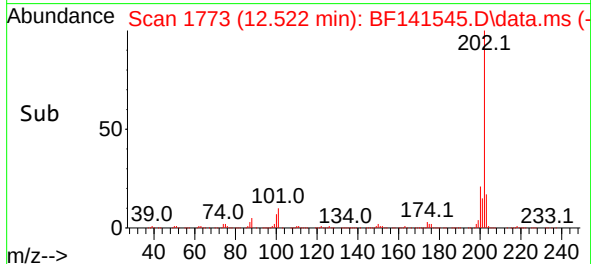
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



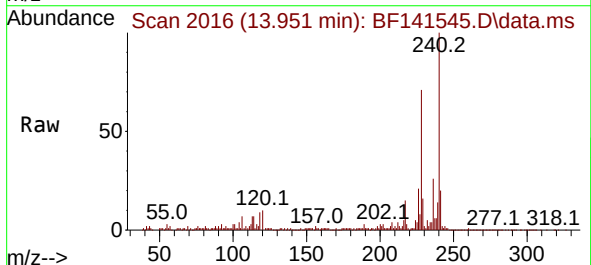
Tgt Ion:202 Resp: 558824
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.4 0.0 37.6

Manual Integrations
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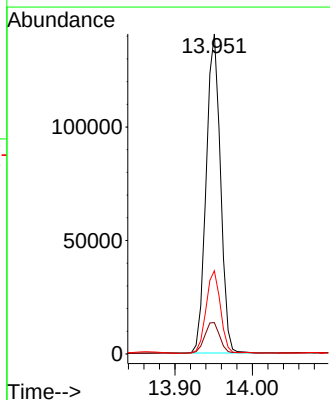
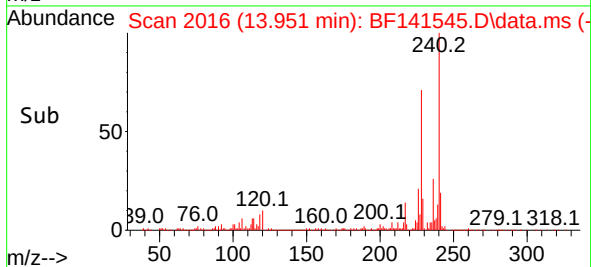
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

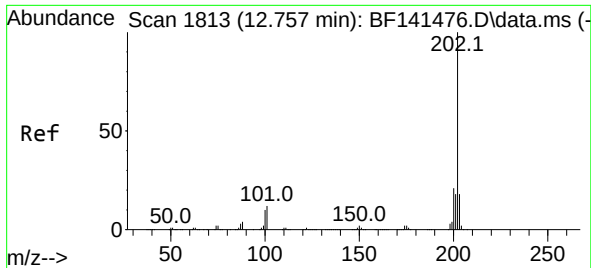


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



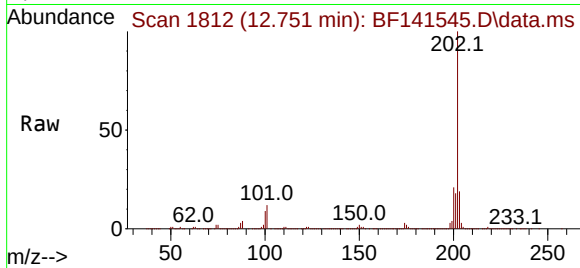
Tgt Ion:240 Resp: 179683
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 26.0 19.8 29.8





#78
Pyrene
Concen: 35.581 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

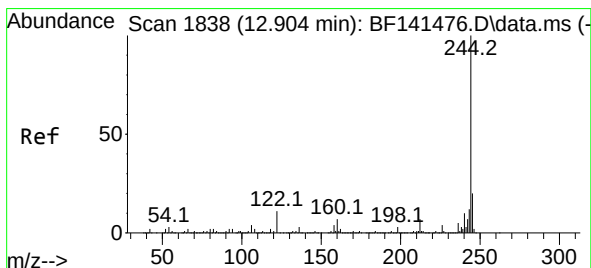
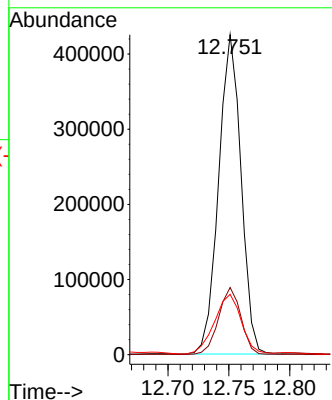
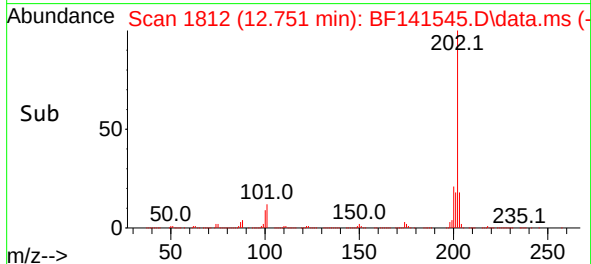
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



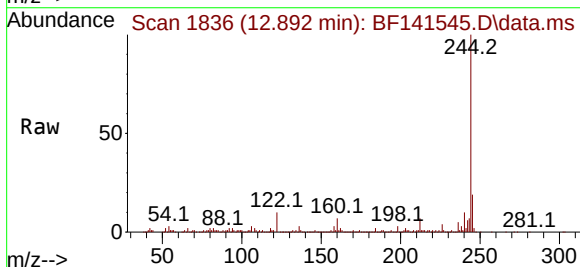
Tgt Ion:202 Resp: 544240
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.8 14.3 21.5

Manual Integrations
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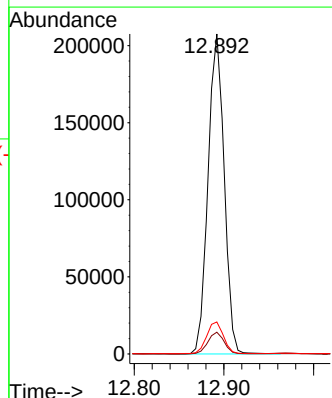
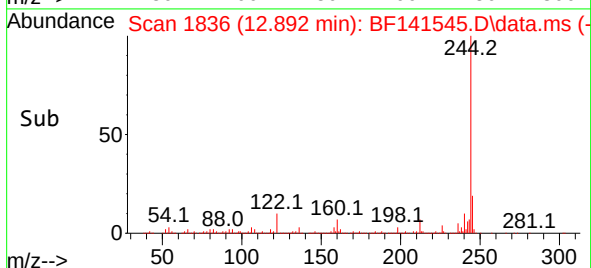
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

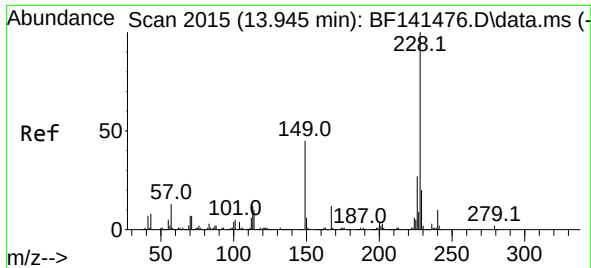


#79
Terphenyl-d14
Concen: 24.363 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



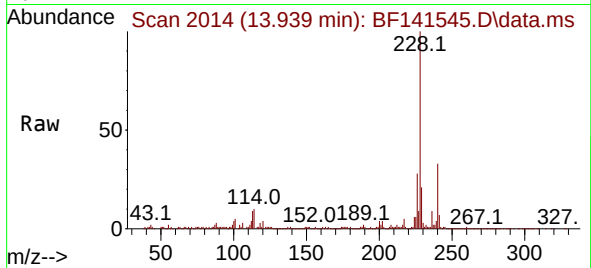
Tgt Ion:244 Resp: 259311
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.0 8.4 12.6





#81
Benzo(a)anthracene
Concen: 24.343 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

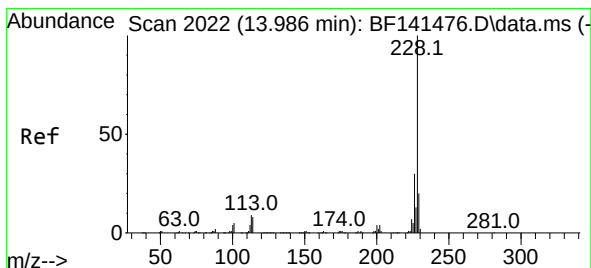
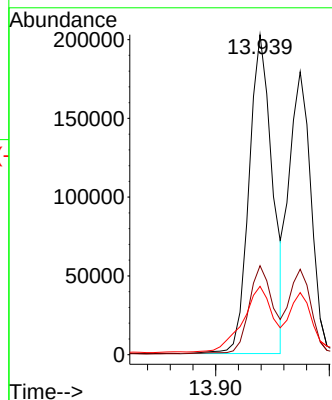
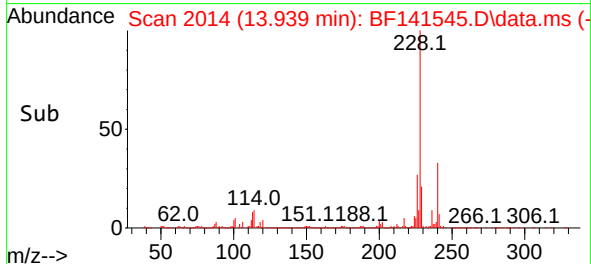
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



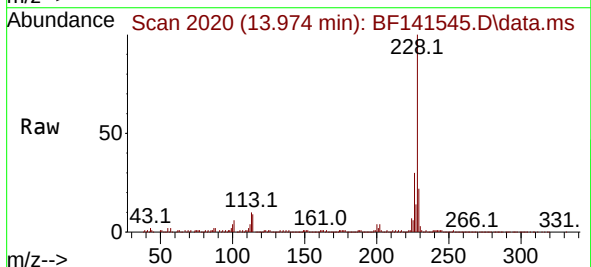
Tgt Ion:228 Resp: 29075
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.4 15.8 23.6

Manual Integrations
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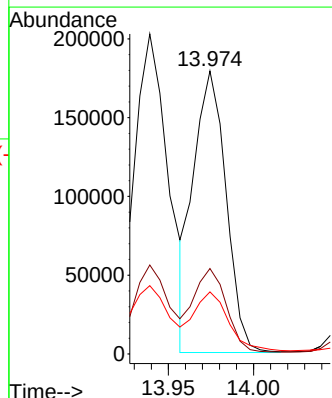
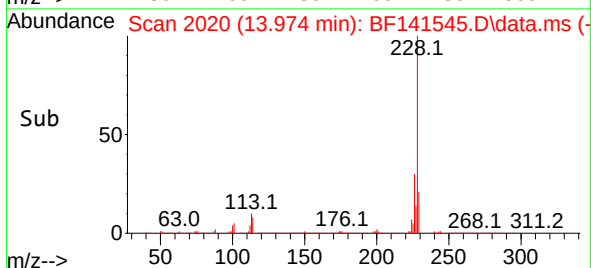
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

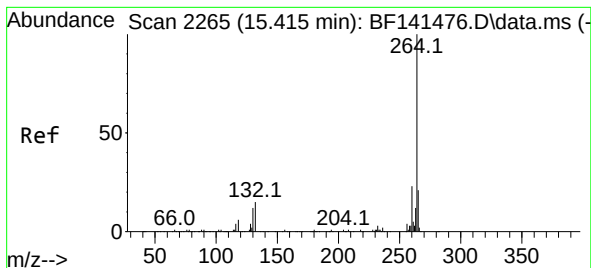


#83
Chrysene
Concen: 21.468 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion:228 Resp: 236762
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141545.D

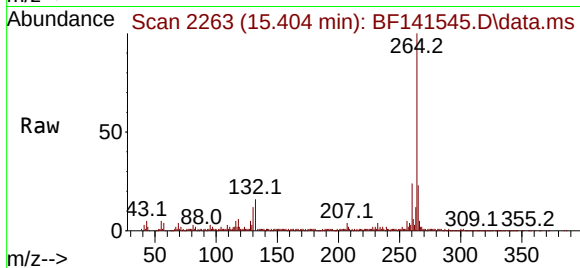
Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL



Tgt Ion:264 Resp: 169289

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

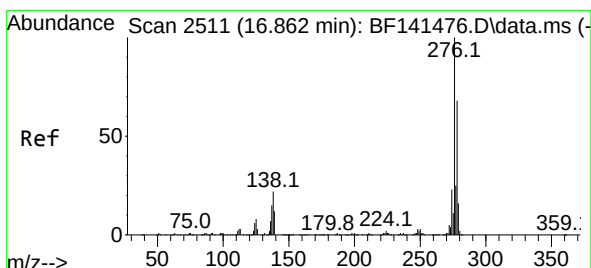
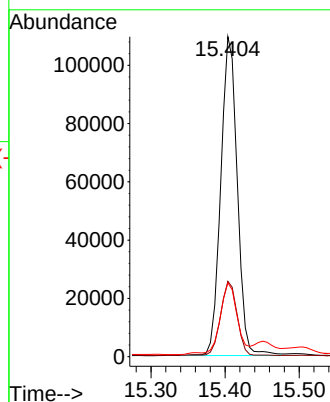
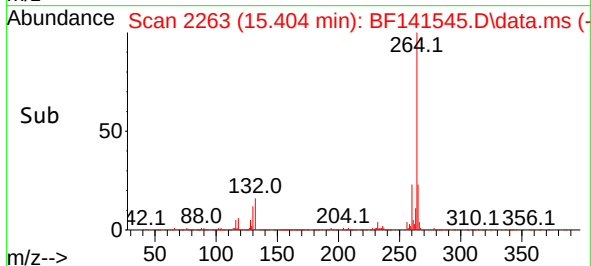
265 23.1 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/11/2025

Supervised By :Jagrut Upadhyay 02/11/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.201 ng

RT: 16.839 min Scan# 2507

Delta R.T. -0.035 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

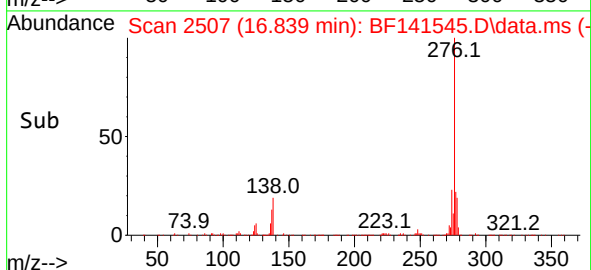
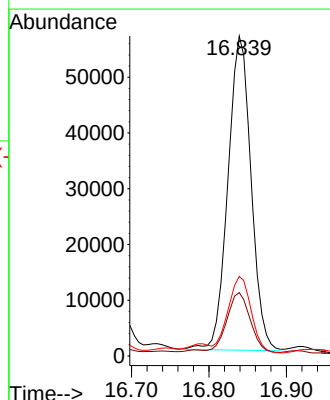
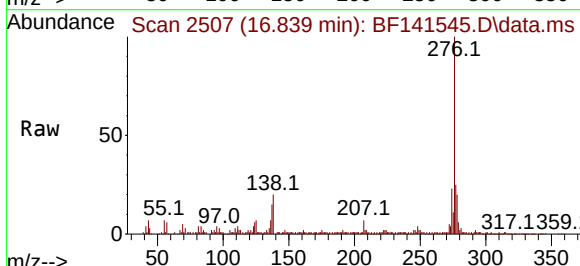
Tgt Ion:276 Resp: 117168

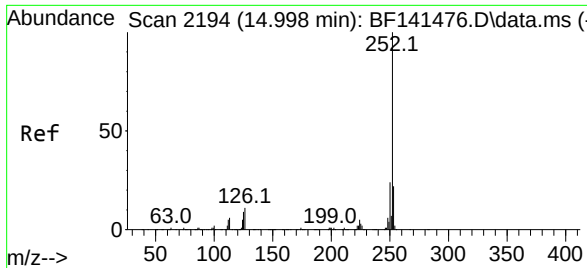
Ion Ratio Lower Upper

276 100

138 19.1 18.0 27.0

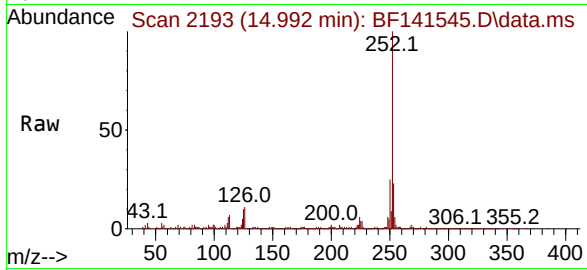
277 24.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 30.292 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

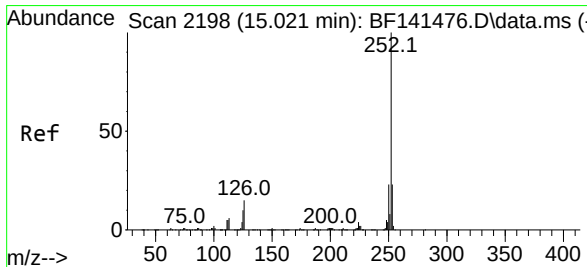
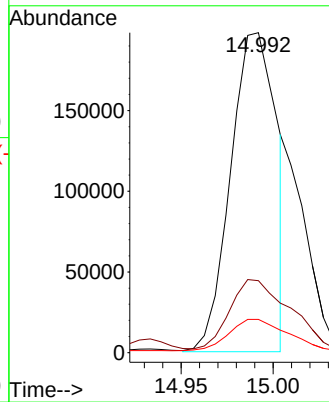
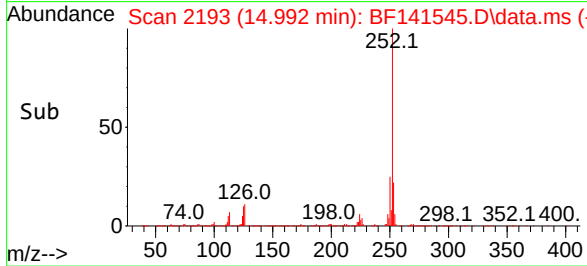
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:252 Resp: 34433
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.4 7.0 10.6

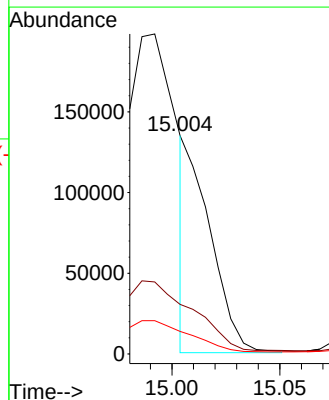
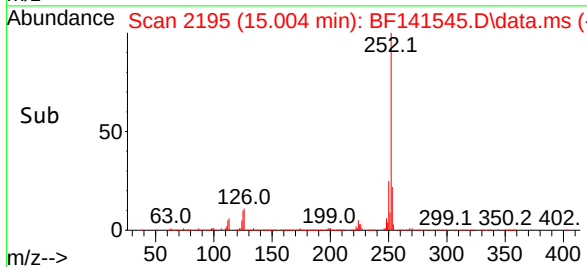
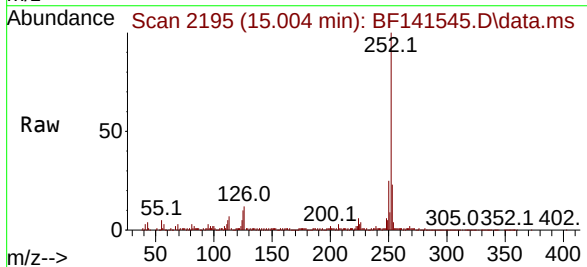
Manual Integrations
APPROVED

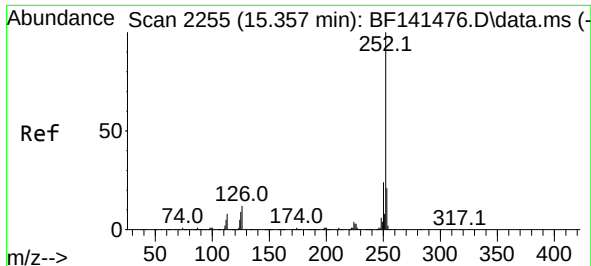
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#89
Benzo(k)fluoranthene
Concen: 10.551 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

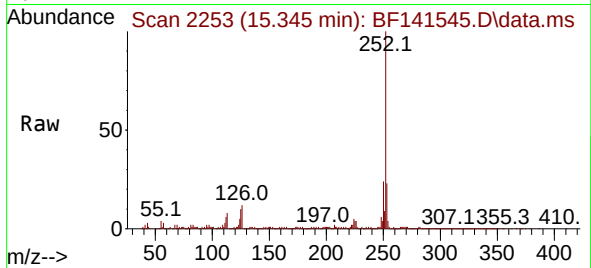
Tgt Ion:252 Resp: 102409
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.4 7.4 11.0





#90
Benzo(a)pyrene
Concen: 25.768 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

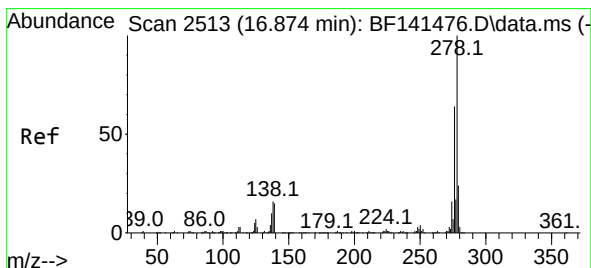
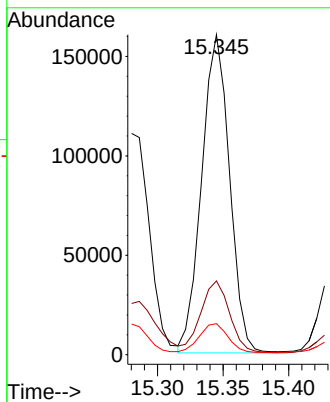
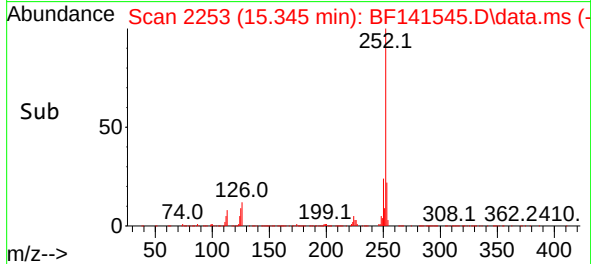
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:252 Resp: 237008
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 9.7 7.4 11.2

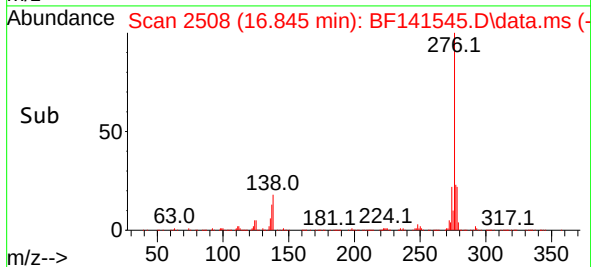
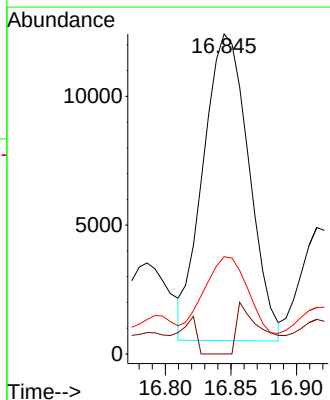
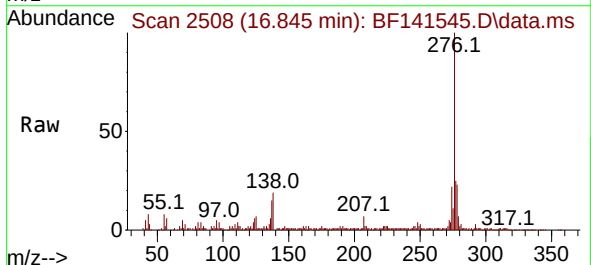
Manual Integrations
APPROVED

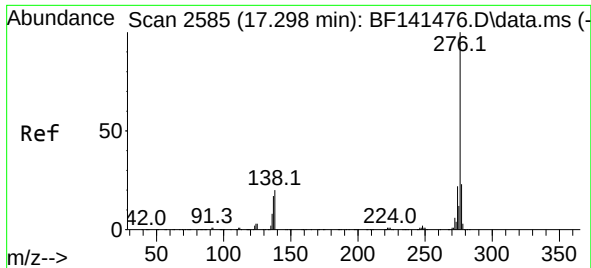
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

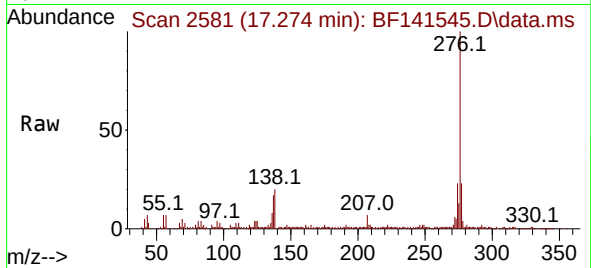
Tgt Ion:278 Resp: 28891
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 30.4 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 13.205 ng
 RT: 17.274 min Scan# 2581
 Delta R.T. -0.041 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

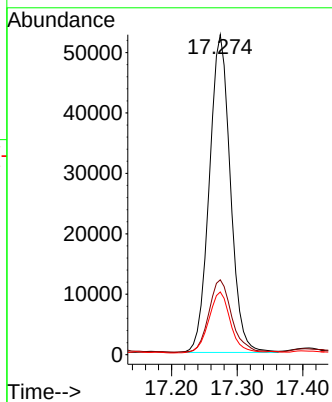
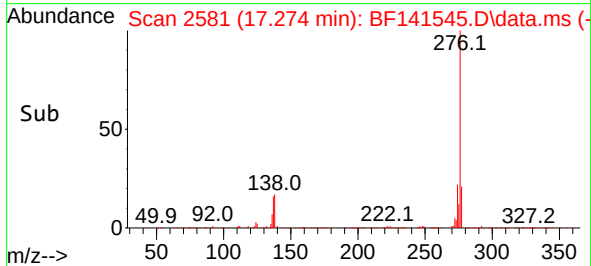
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL



Tgt Ion: 276 Resp: 117125
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.6 28.0
 138 19.6 15.9 23.9

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025





CALIBRATION SUMMARY

- 1
- 2
- 3
- 4
- 5
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- 7
- 8
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- 16
- 17
- 18

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

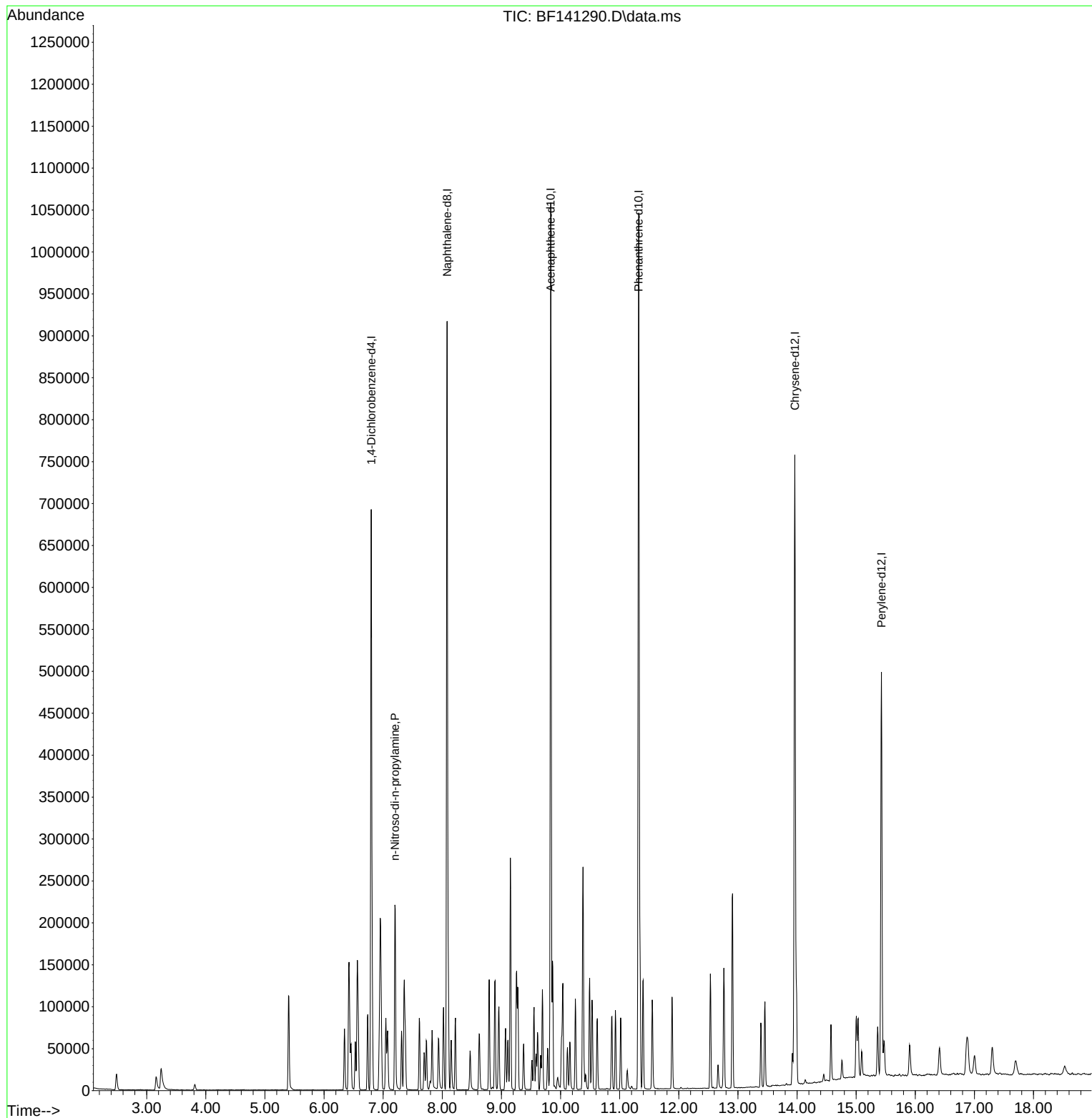
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	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

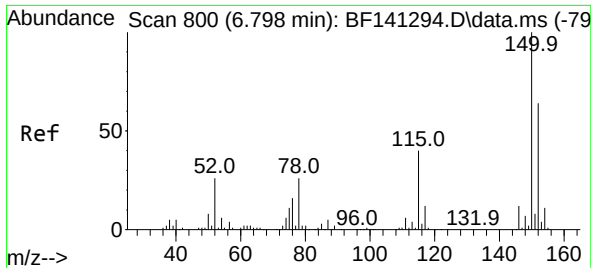
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



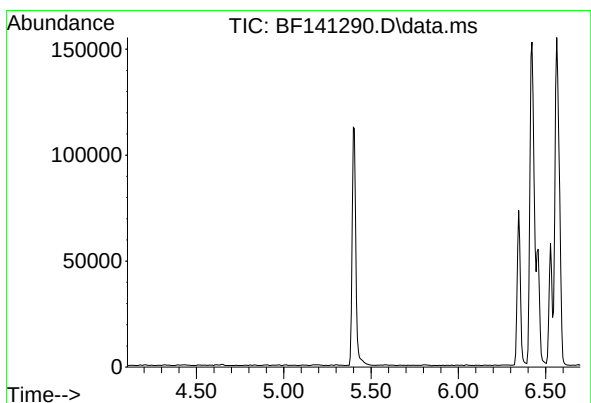
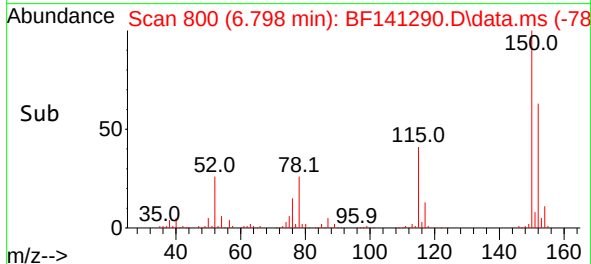
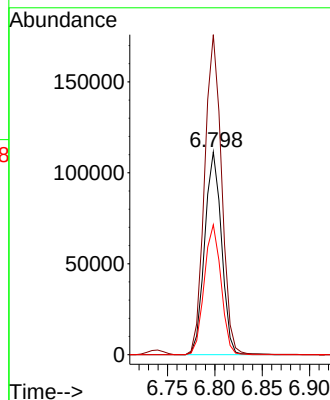
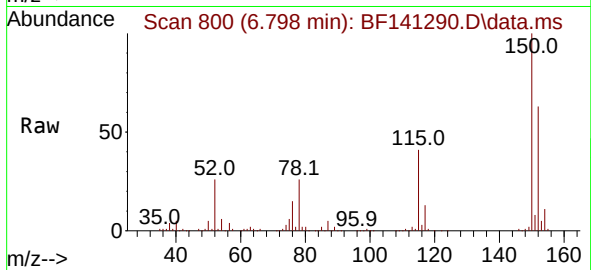


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

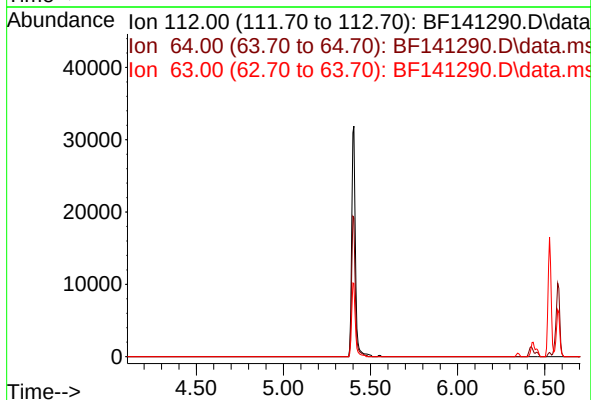
Tgt Ion:152 Resp: 137039

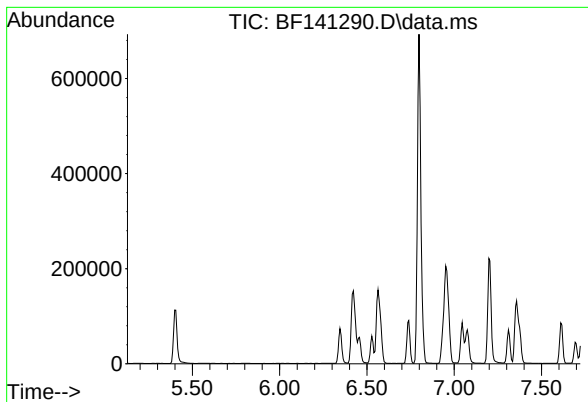
Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	64.0	49.7	74.5



#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



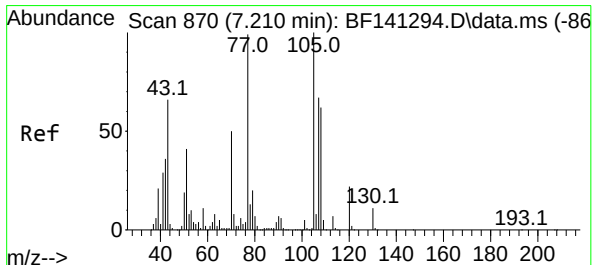
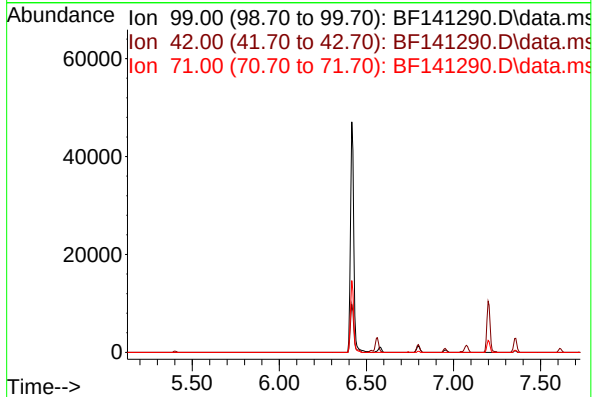


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.43 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 99

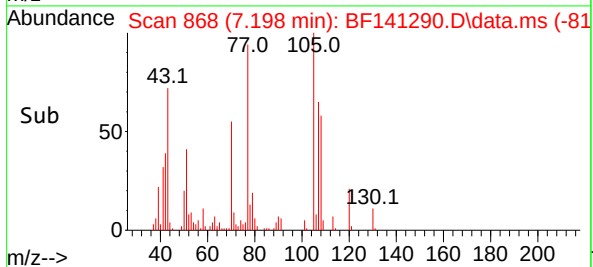
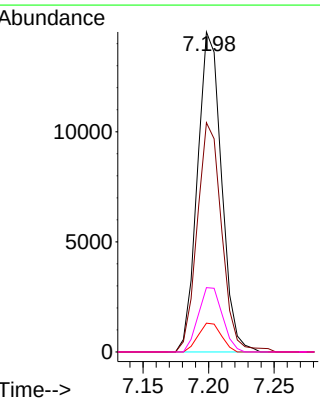
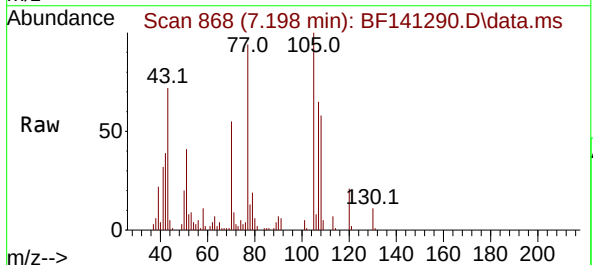
Sig	Exp Ratio
99	100
42	21.4
71	33.6

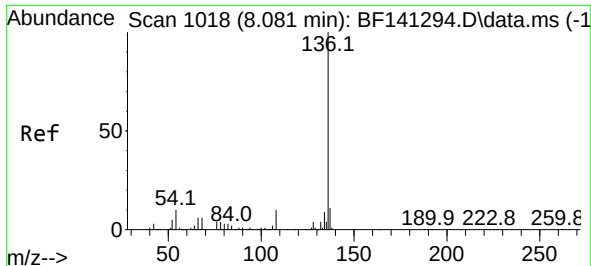


#19
 n-Nitroso-di-n-propylamine
 Concen: 2.764 ng
 RT: 7.198 min Scan# 868
 Delta R.T. -0.012 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

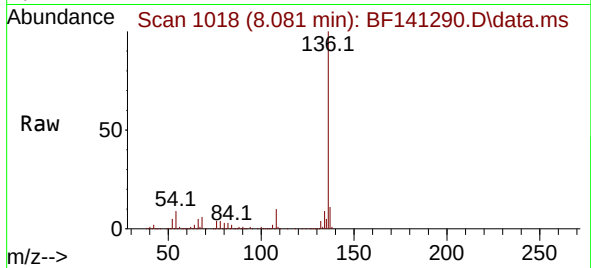
Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	9.0	7.7	11.5
130	20.1	16.8	25.2



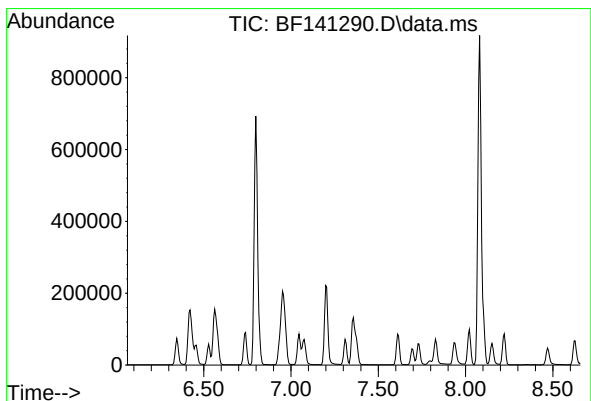
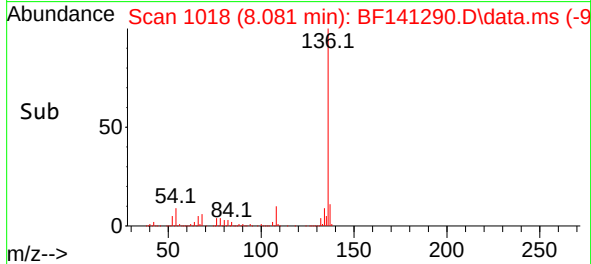
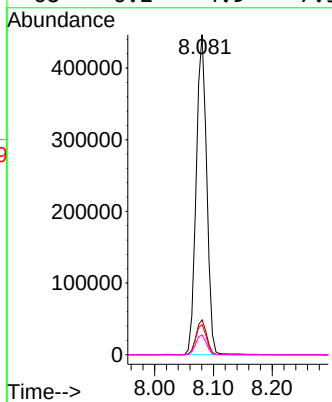


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



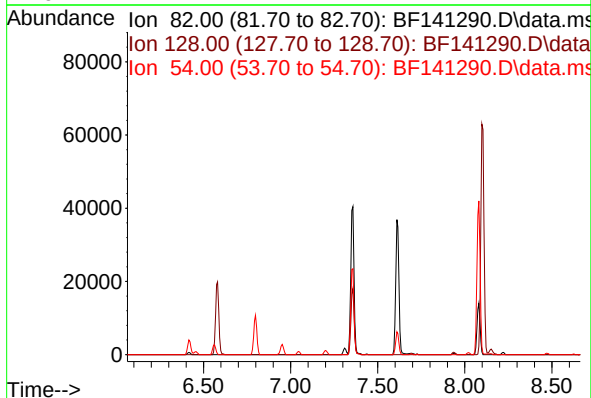
Tgt Ion:	136	Resp:	552749
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.4	7.8	11.8
68	6.2	4.9	7.3

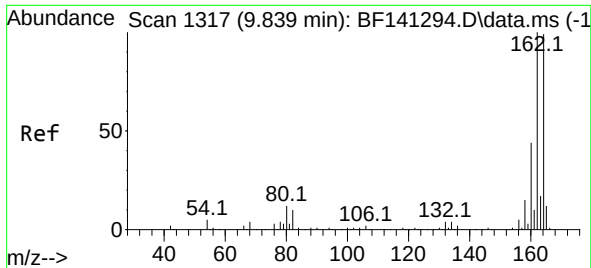


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

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

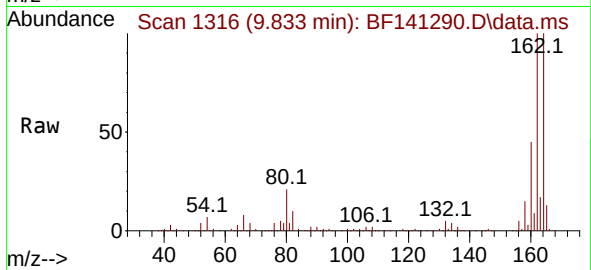
Tgt Ion:	82
Sig	Exp Ratio
82	100
128	44.6
54	58.9



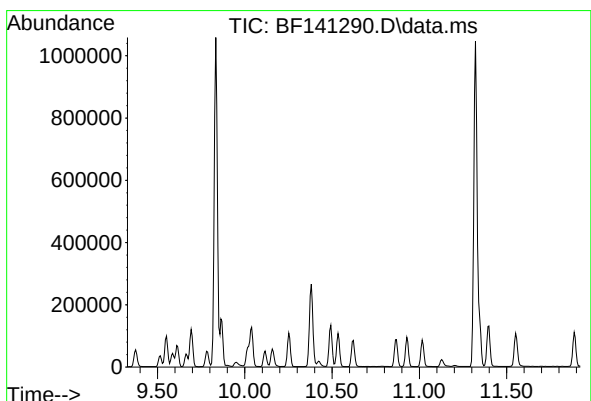
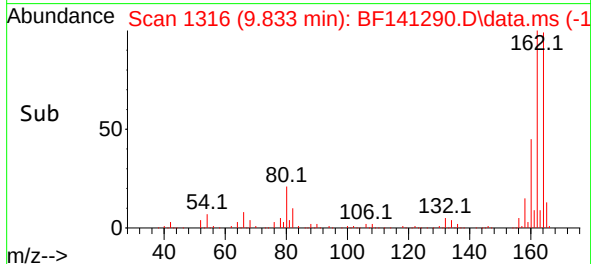
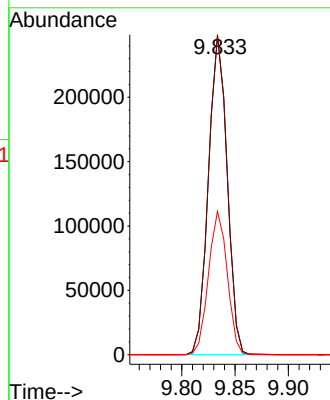


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



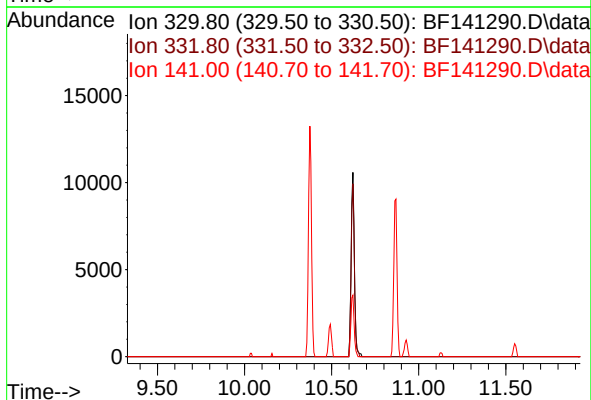
Tgt Ion:164 Resp: 301993
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 44.9 35.8 53.6

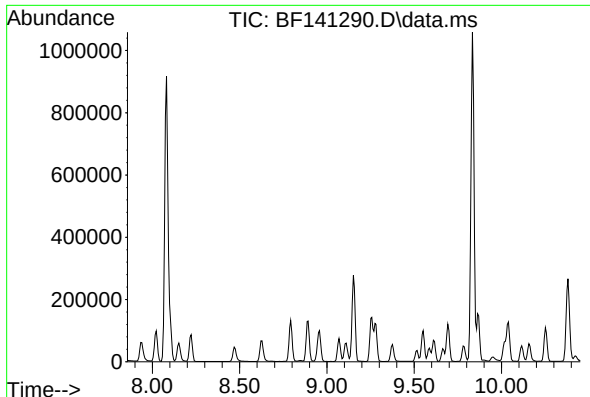


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

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

Tgt Ion: 330
Sig Exp Ratio
330 100
332 95.1
141 36.0



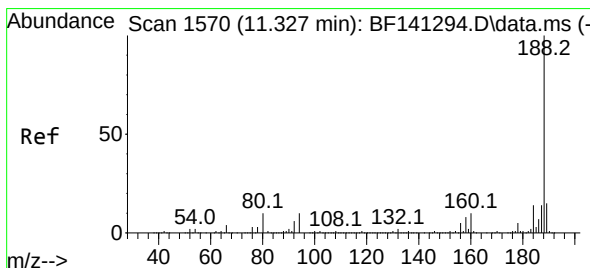
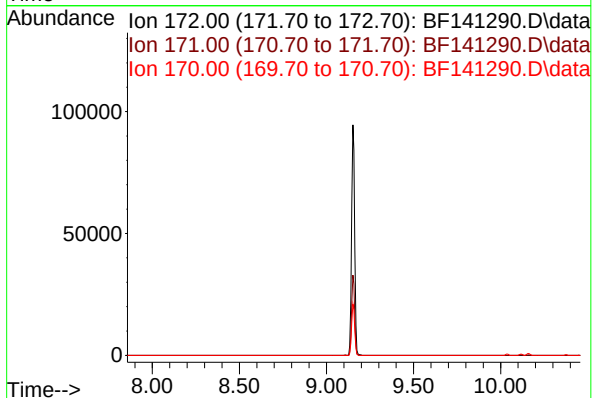


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.16 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 172

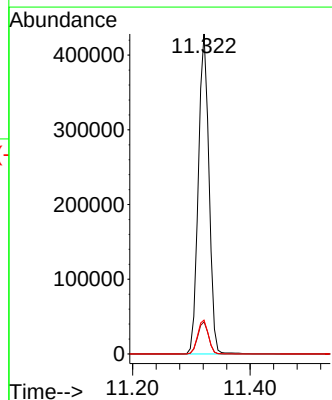
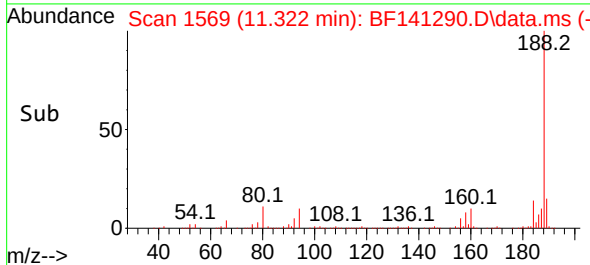
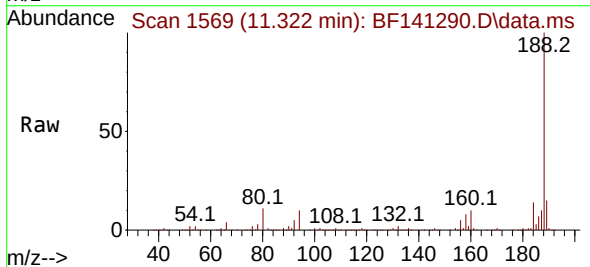
Sig	Exp Ratio
172	100
171	36.0
170	23.8

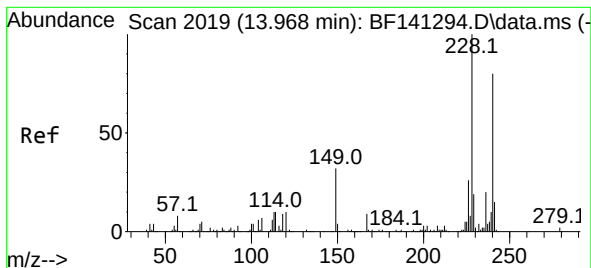


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.322 min Scan# 1569
 Delta R.T. -0.006 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

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

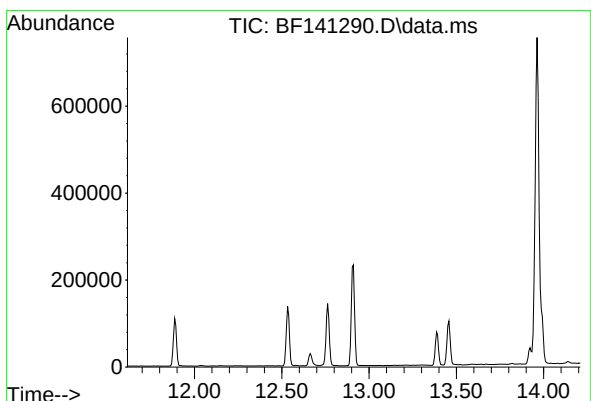
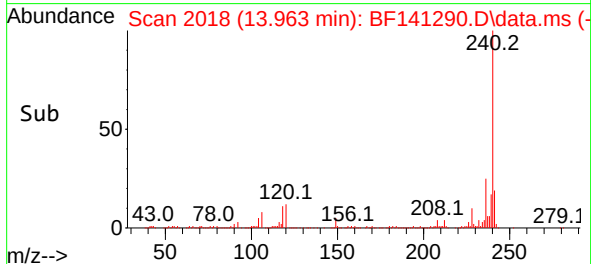
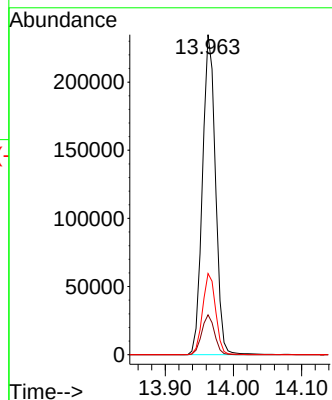
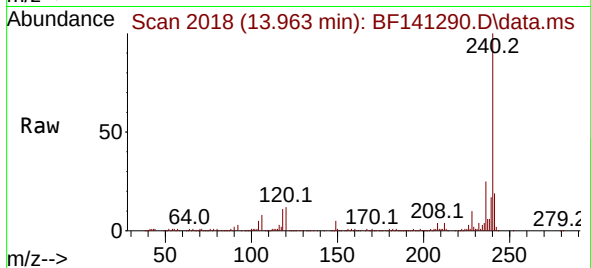
Tgt Ion:240 Resp: 311885

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

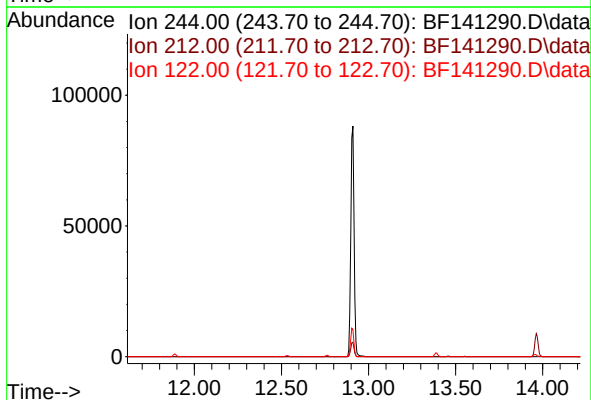
Tgt Ion: 244

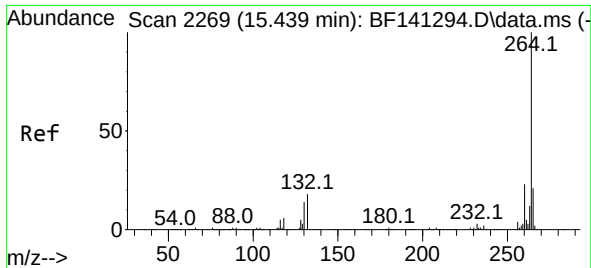
Sig Exp Ratio

244 100

212 6.7

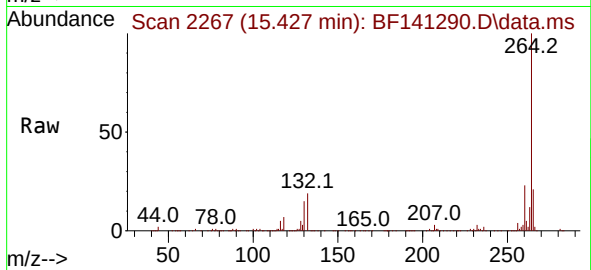
122 11.0



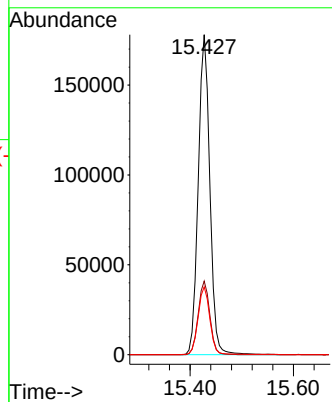
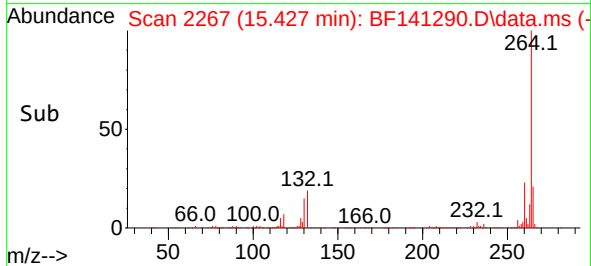


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.427 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141290.D
 Acq: 29 Jan 2025 10:30

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

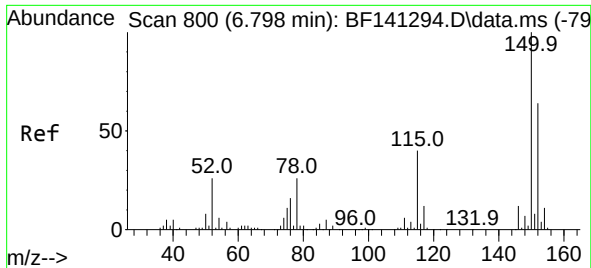
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

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

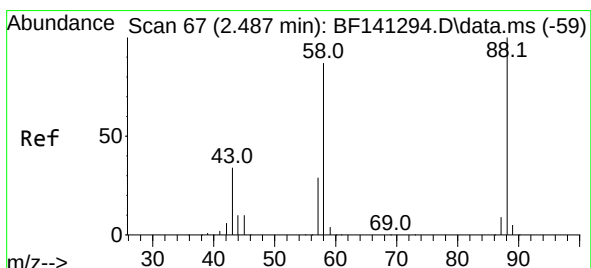
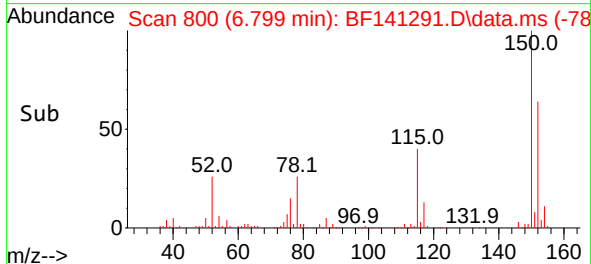
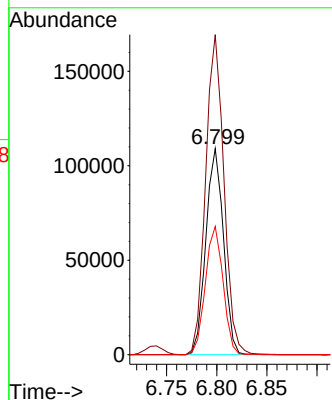
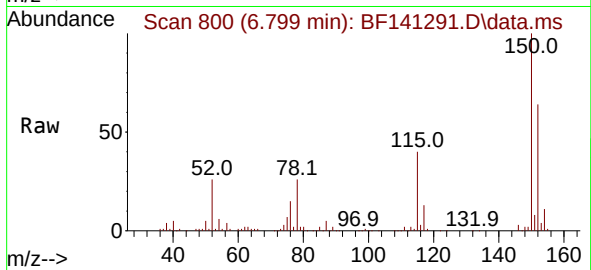
- 1
- 2
- 3
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#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

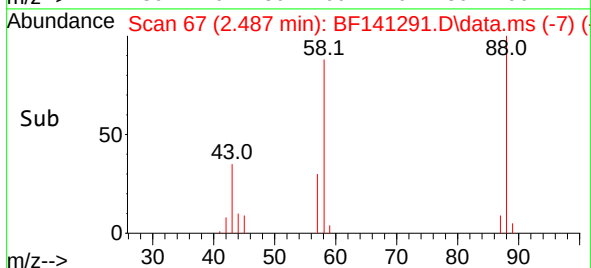
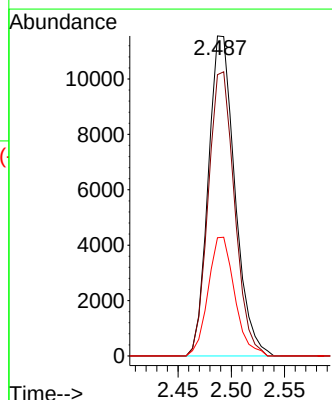
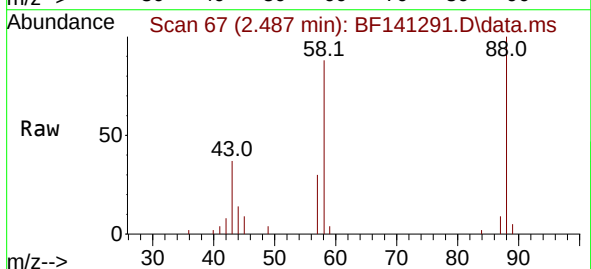
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

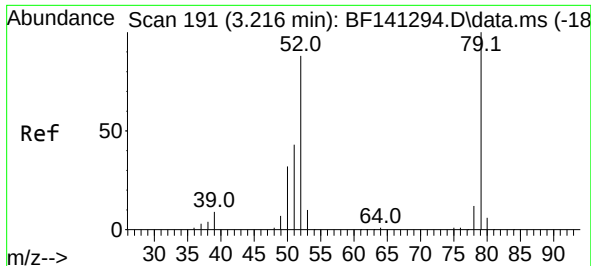
Tgt Ion:152 Resp: 134200
 Ion Ratio Lower Upper
 152 100
 150 155.3 125.9 188.9
 115 62.2 49.7 74.5



#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

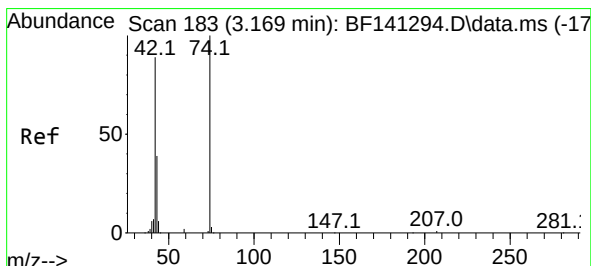
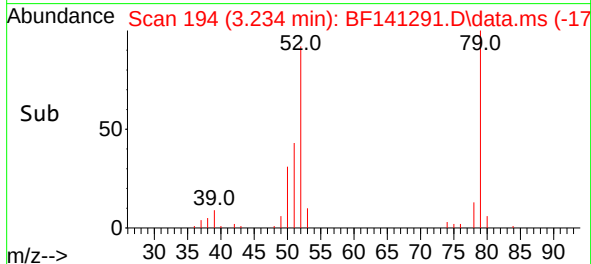
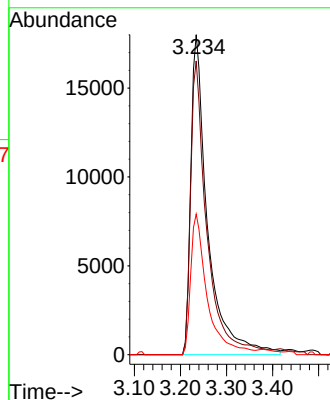
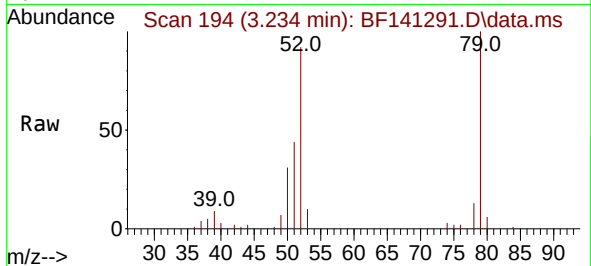




#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 191
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

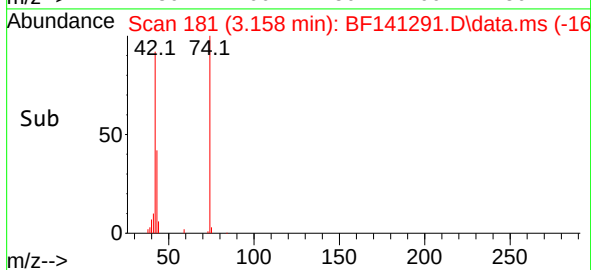
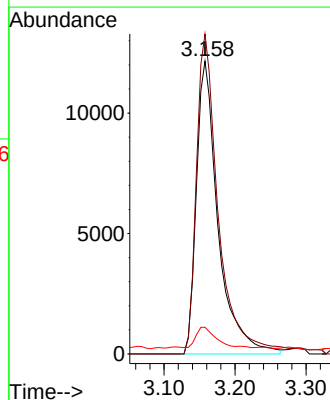
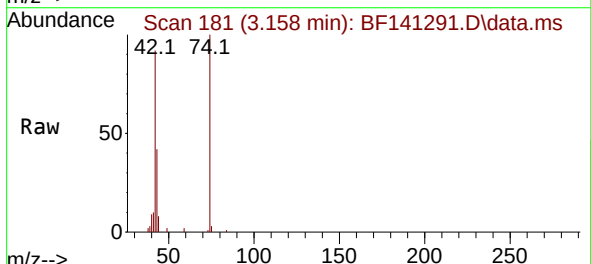
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

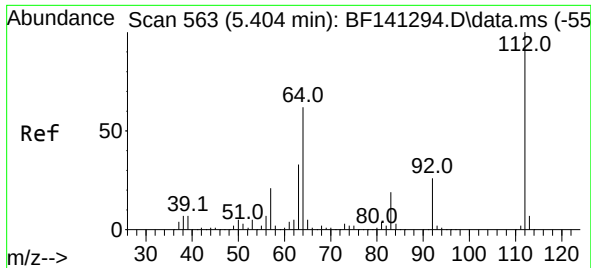
Tgt Ion: 79 Resp: 45762
Ion Ratio Lower Upper
79 100
52 91.8 70.3 105.5
51 43.9 34.3 51.5



#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

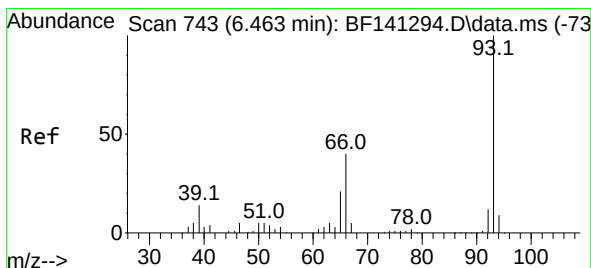
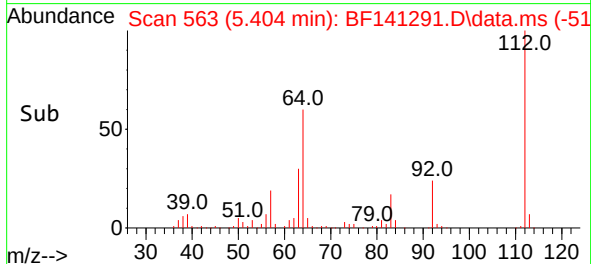
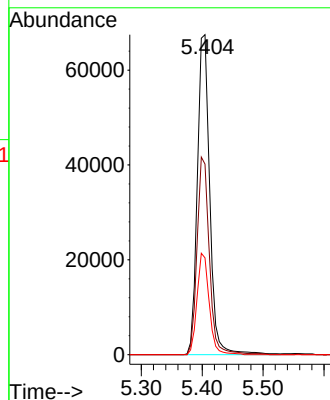
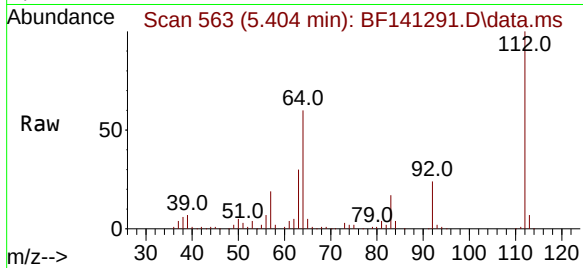




#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

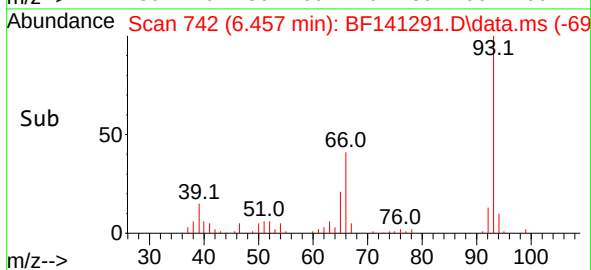
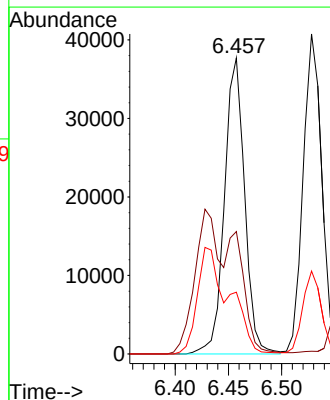
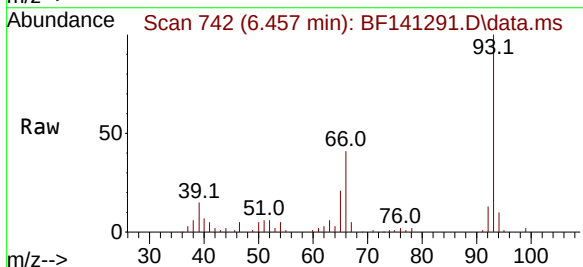
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

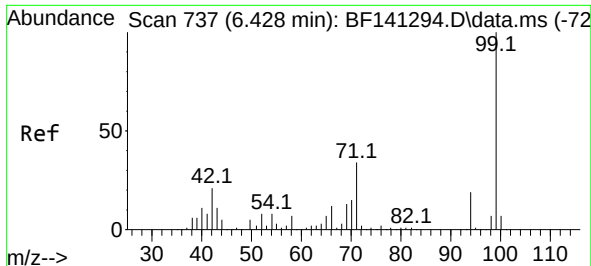
Tgt Ion:112 Resp: 95839
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.2 26.1 39.1



#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

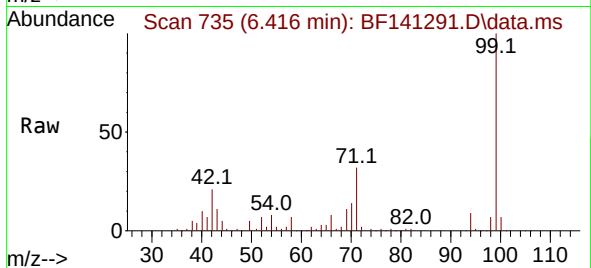
Tgt Ion: 93 Resp: 49669
Ion Ratio Lower Upper
93 100
66 41.4 32.5 48.7
65 20.9 17.0 25.6



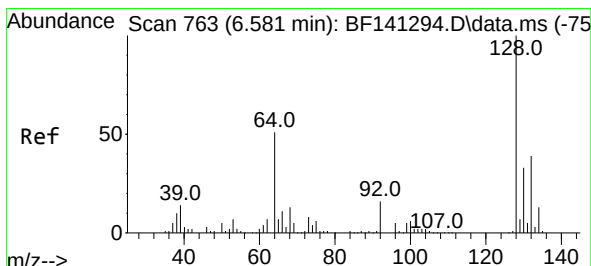
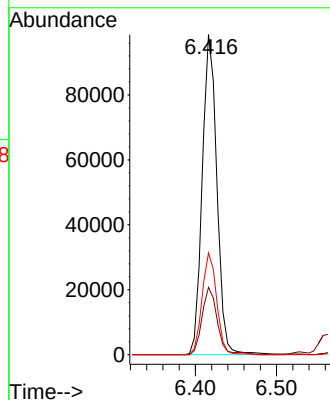
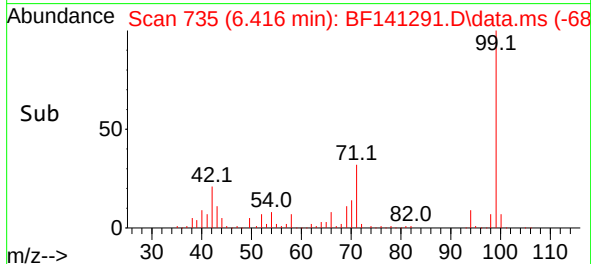


#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 711
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

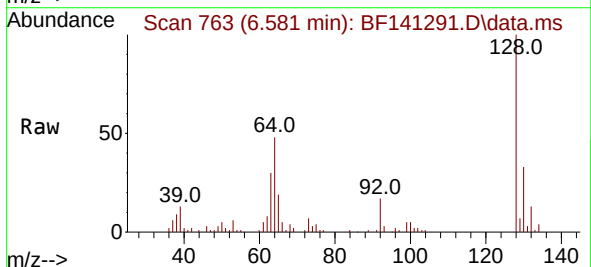
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



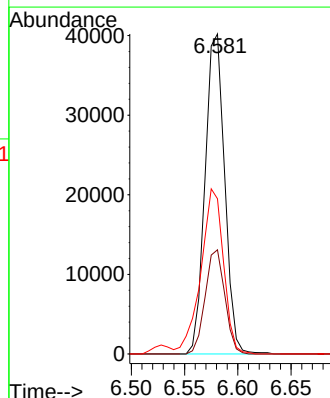
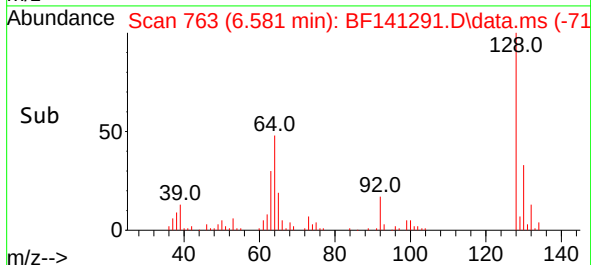
Tgt Ion: 99 Resp: 123556
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 31.8 26.9 40.3

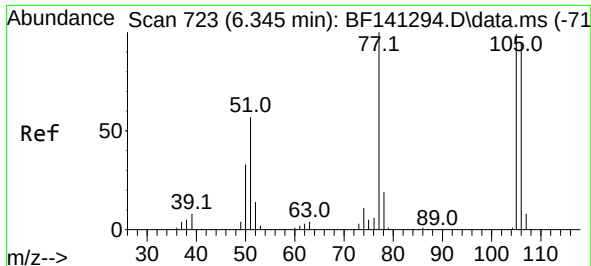


#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56



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

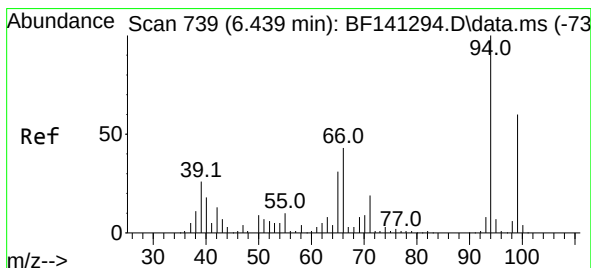
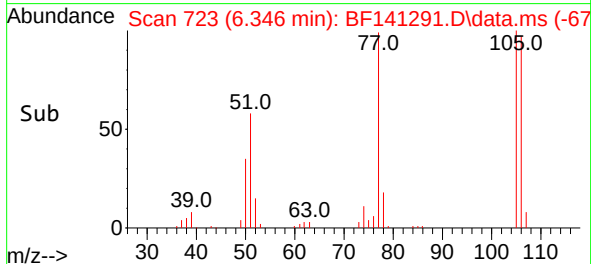
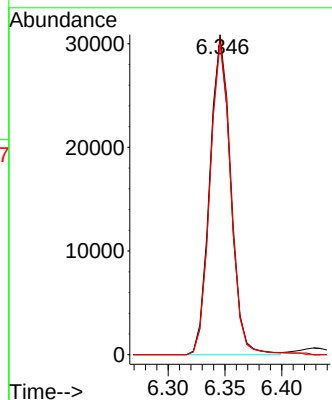
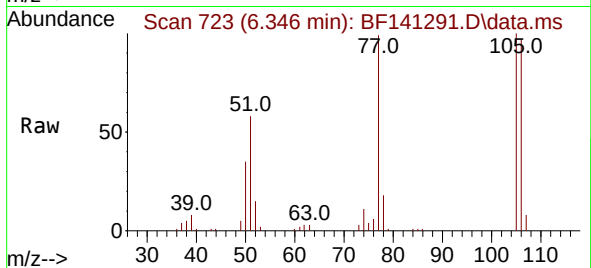




#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

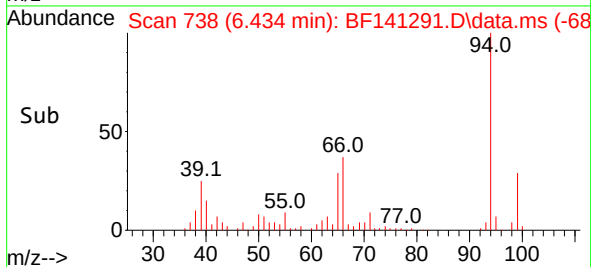
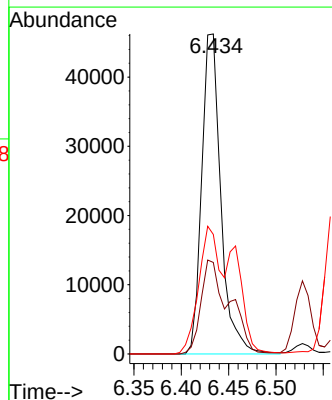
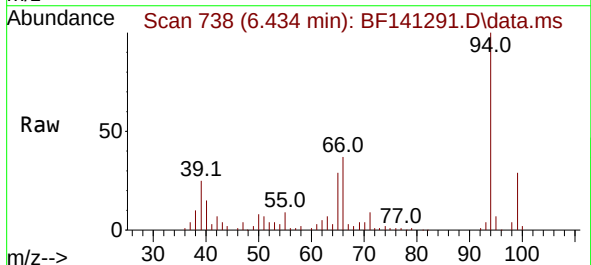
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

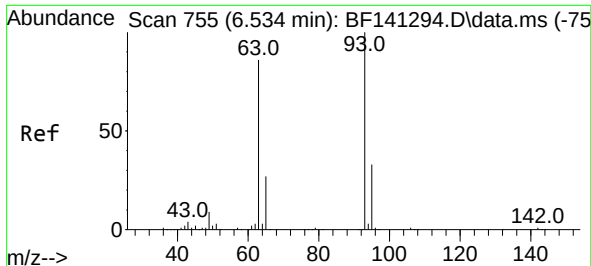
Tgt Ion: 77 Resp: 39117
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 98.1 74.6 114.6



#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

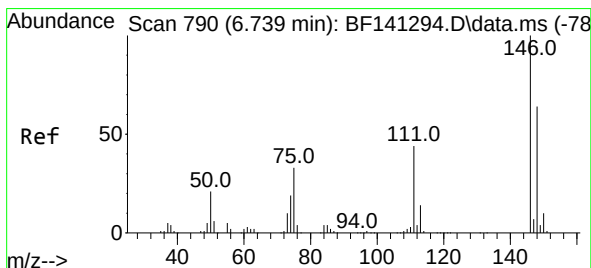
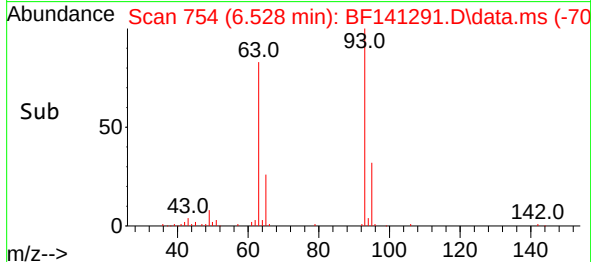
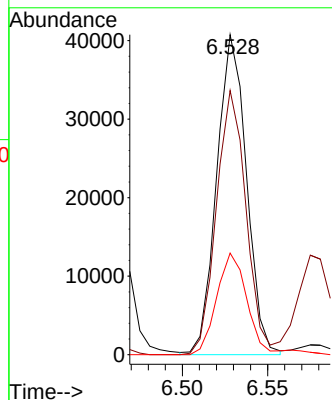
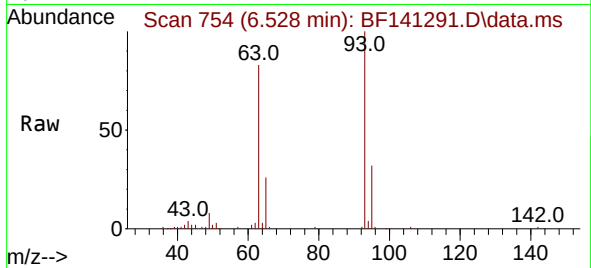




#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

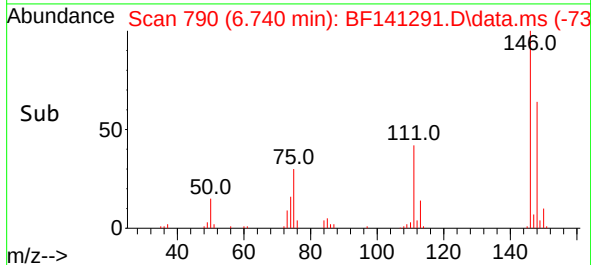
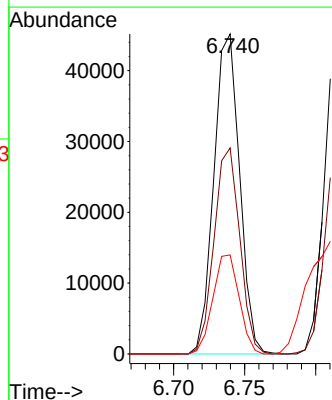
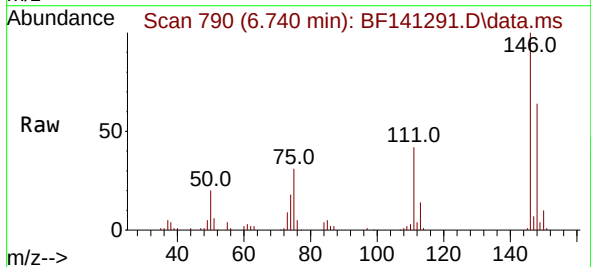
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

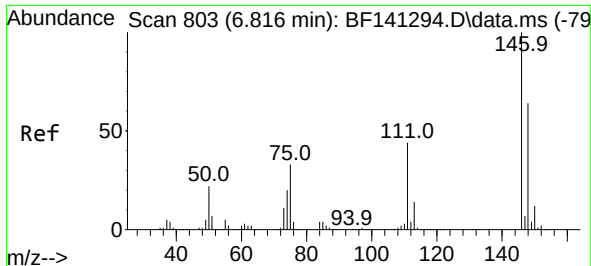
Tgt Ion: 93	Resp: 49579
Ion Ratio	Lower Upper
93 100	
63 82.6	65.0 105.0
95 31.7	12.4 52.4



#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

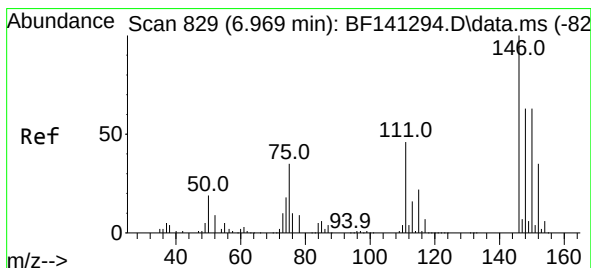
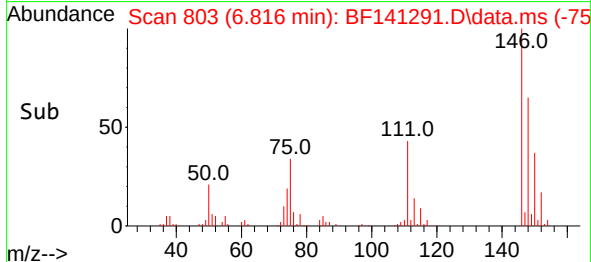
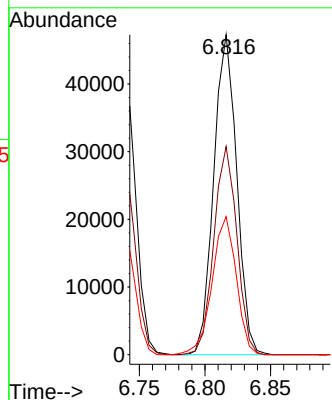
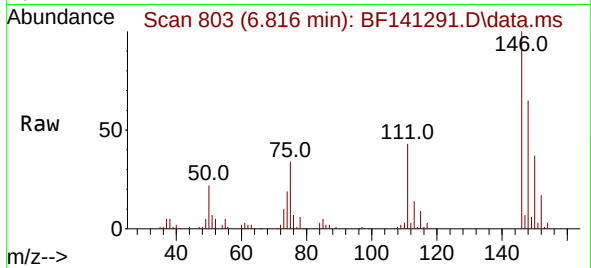




#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

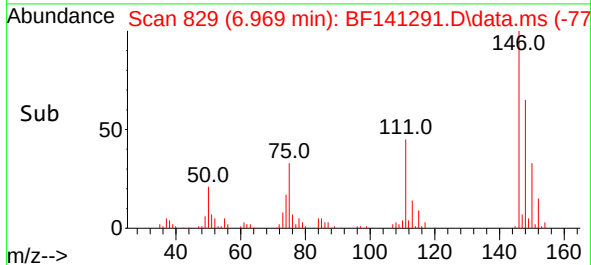
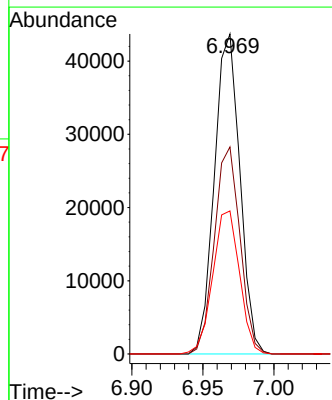
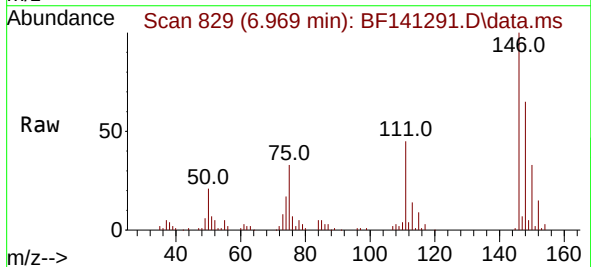
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

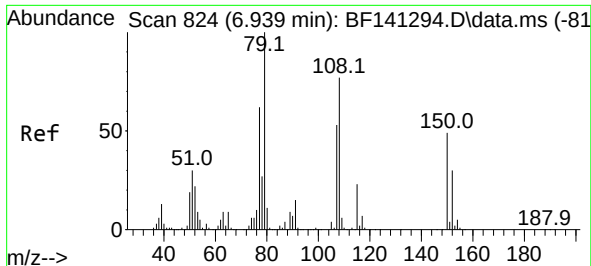
Tgt Ion:146 Resp: 57684
Ion Ratio Lower Upper
146 100
148 65.0 51.2 76.8
111 43.2 35.0 52.4



#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

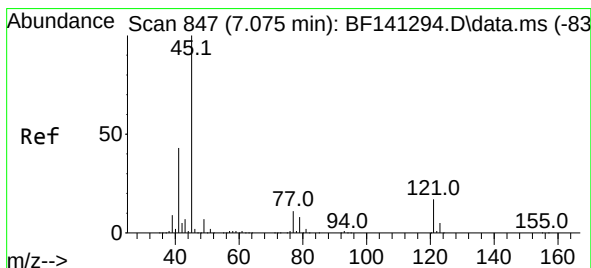
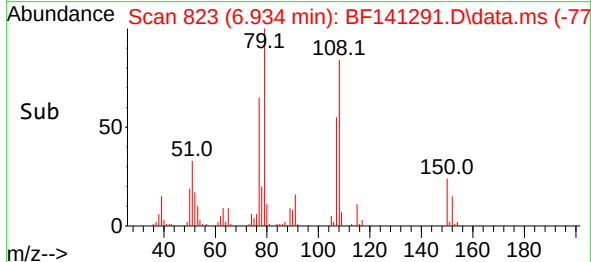
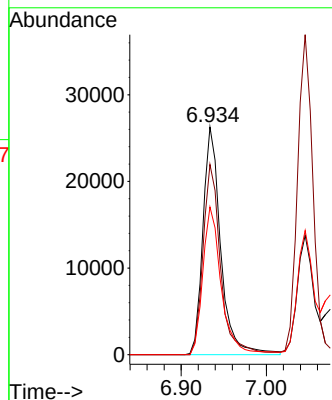
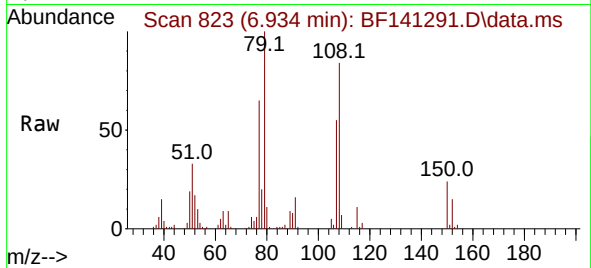




#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

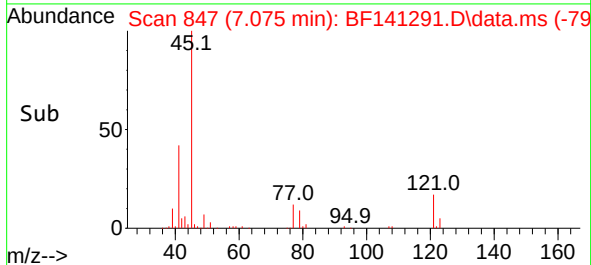
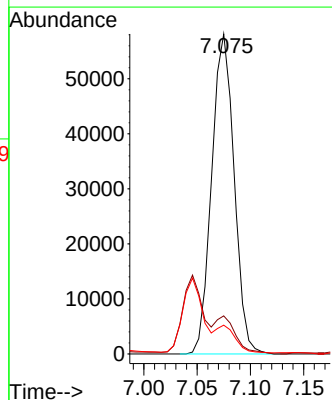
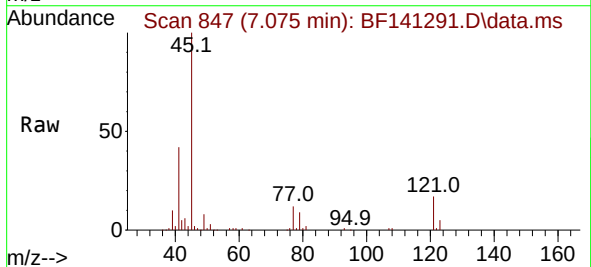
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

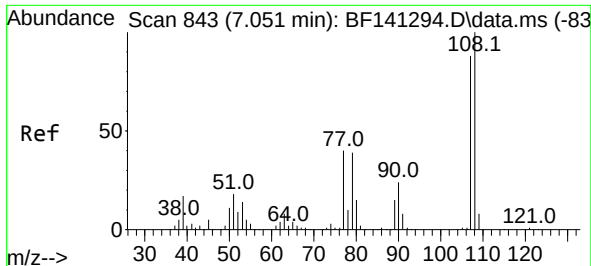
Tgt Ion: 79 Resp: 38176
Ion Ratio Lower Upper
79 100
108 83.6 61.4 92.0
77 64.8 49.9 74.9



#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

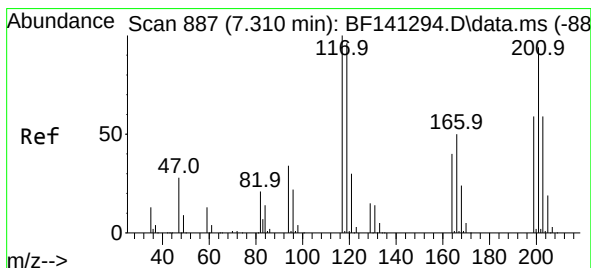
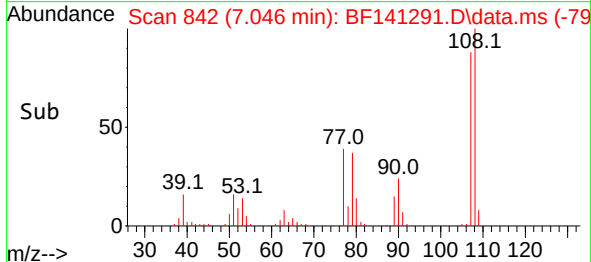
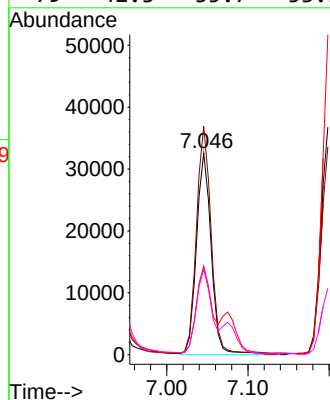
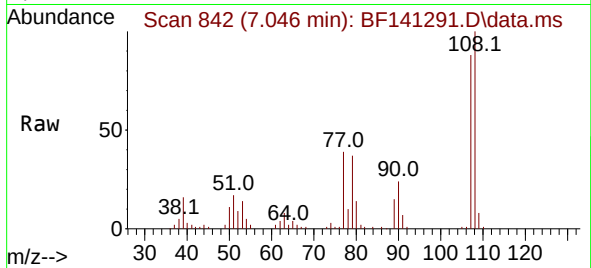




#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

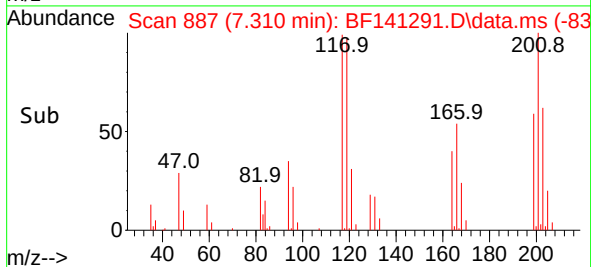
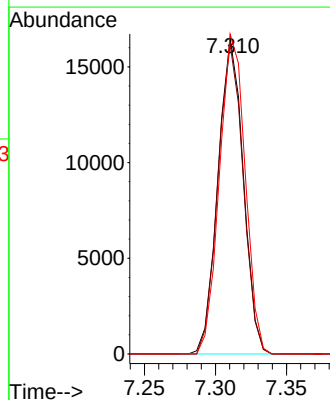
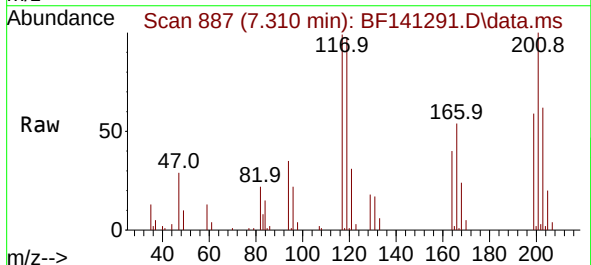
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

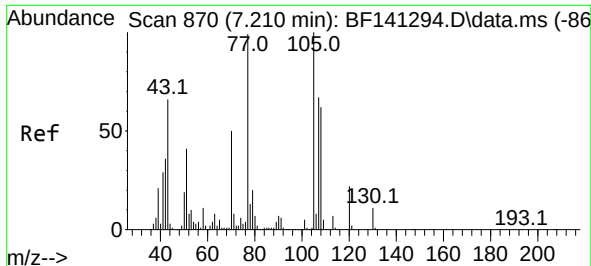
Tgt Ion:	107	Resp:	41498
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5



#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

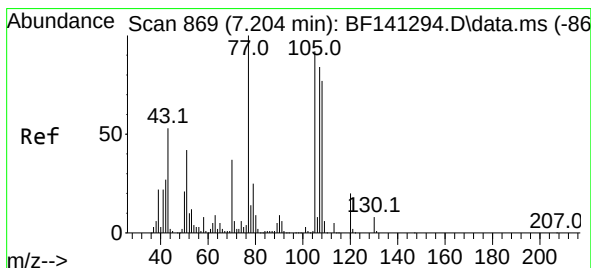
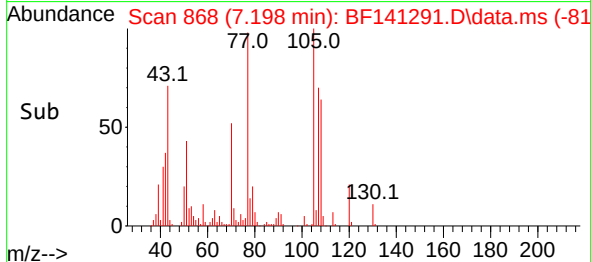
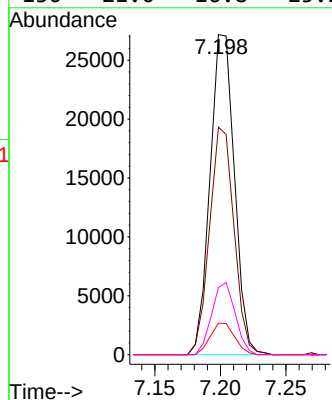
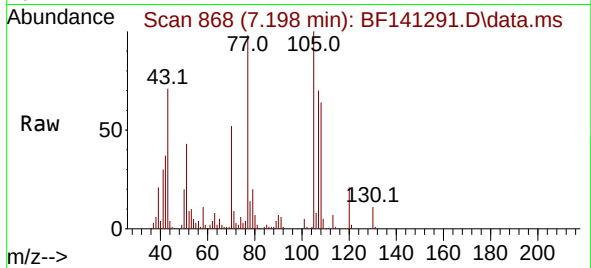




#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

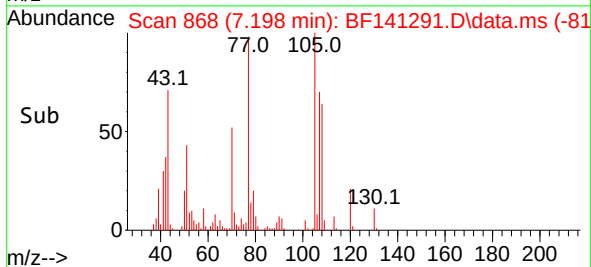
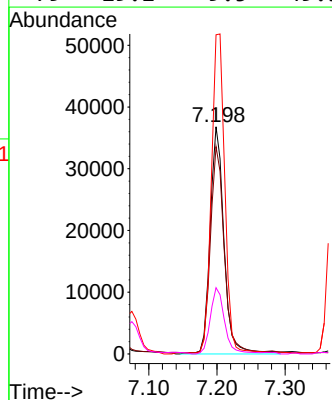
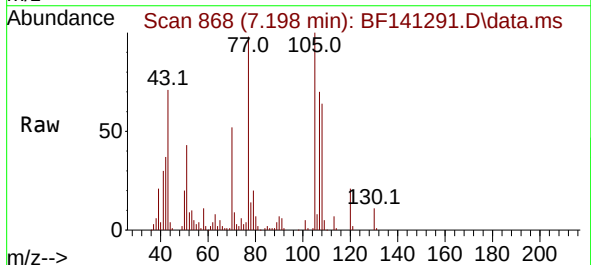
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

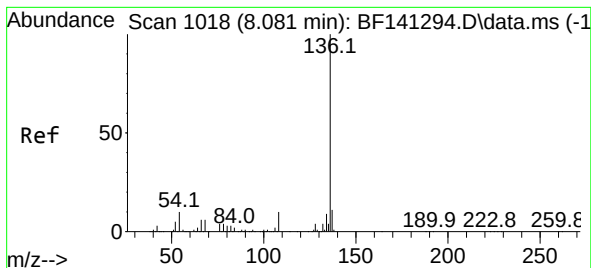
Tgt Ion:	70	Resp:	35278
Ion Ratio	Lower	Upper	
70	100		
42	71.1	56.8	85.2
101	9.9	7.7	11.5
130	21.0	16.8	25.2



#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

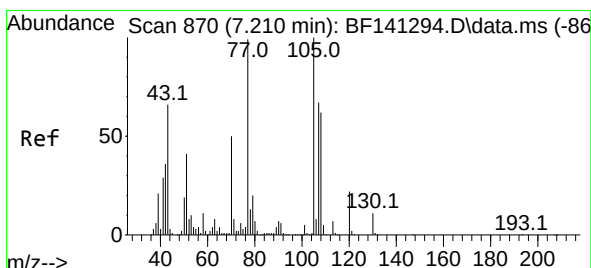
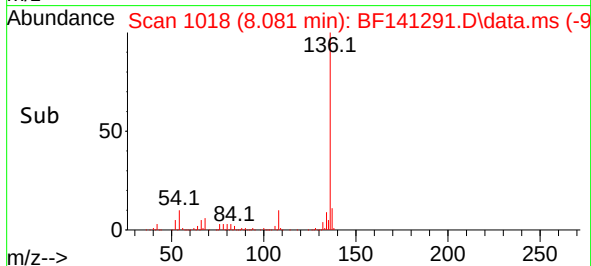
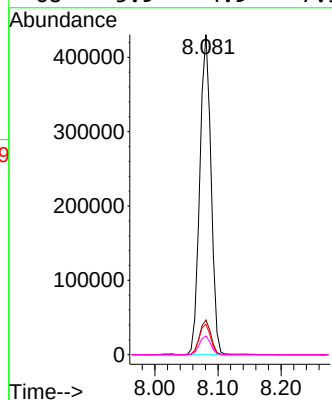
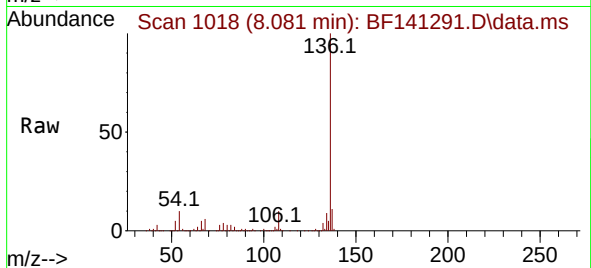




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

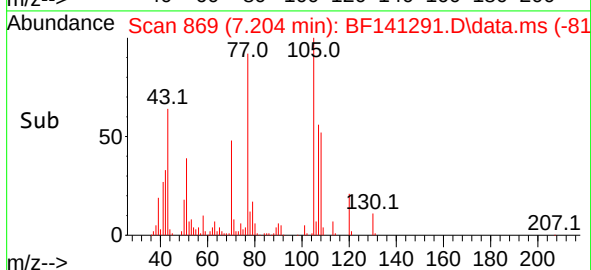
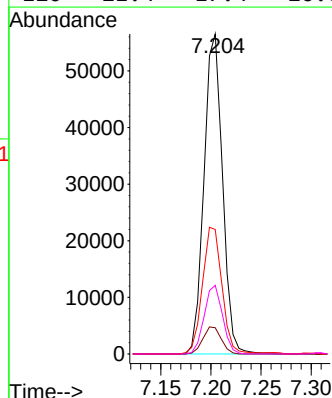
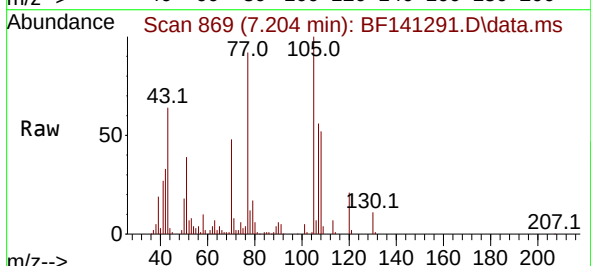
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

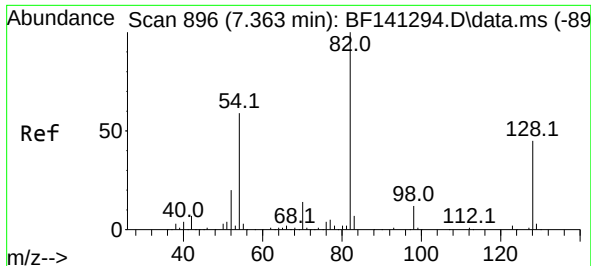
Tgt Ion:	136	Resp:	531551
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



#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 :

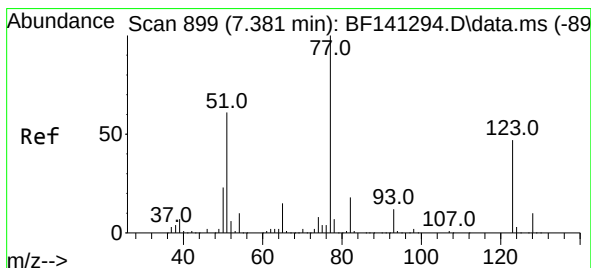
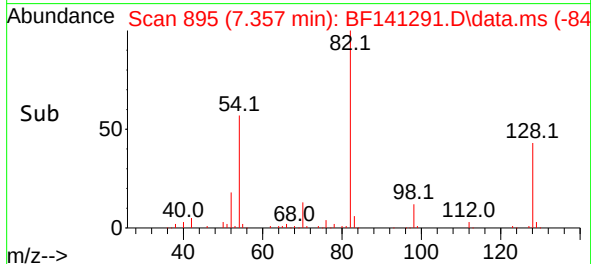
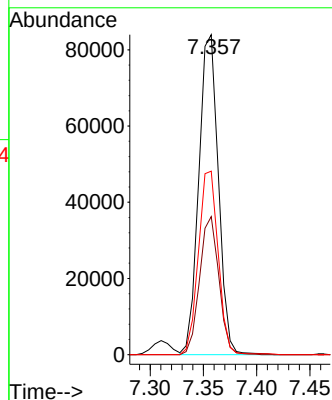
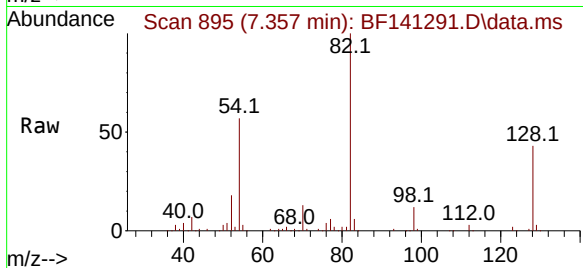
BNA_F

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

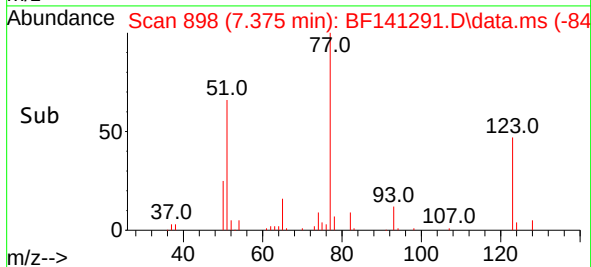
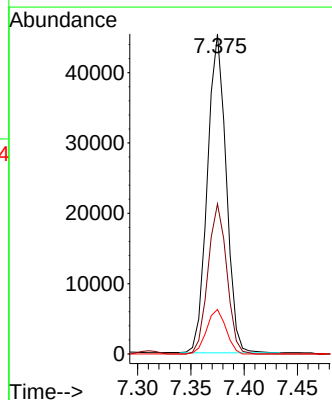
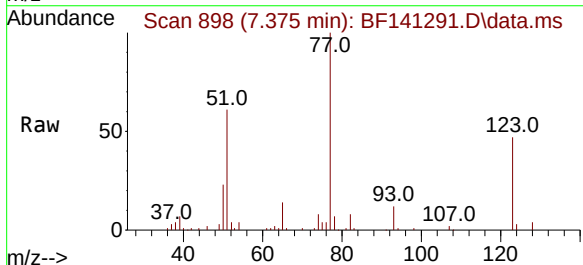
Delta R.T. -0.006 min

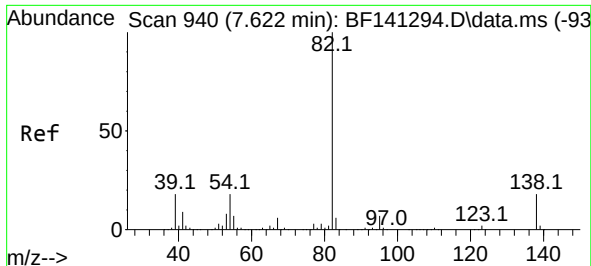
Lab File: BF141291.D

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

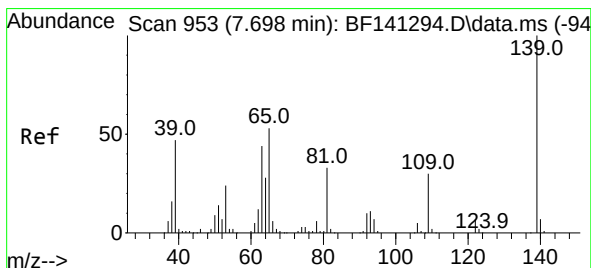
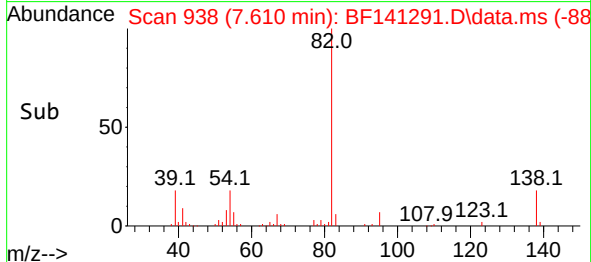
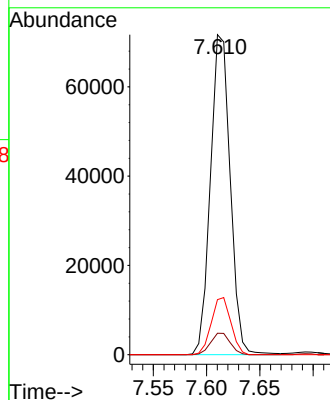
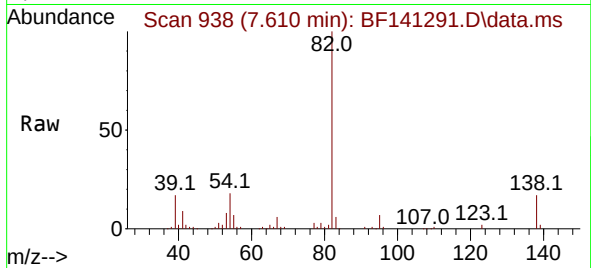




#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

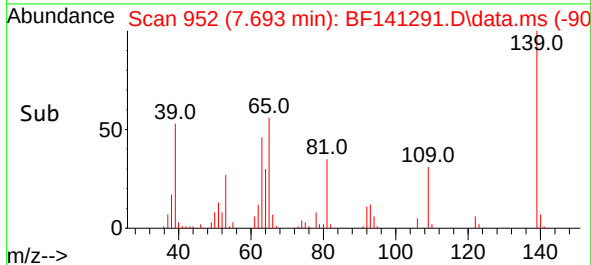
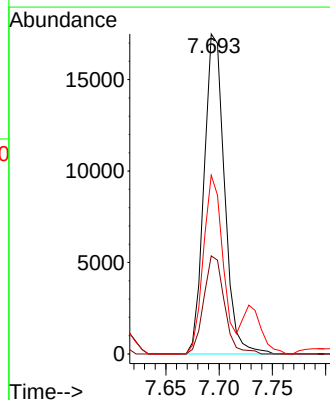
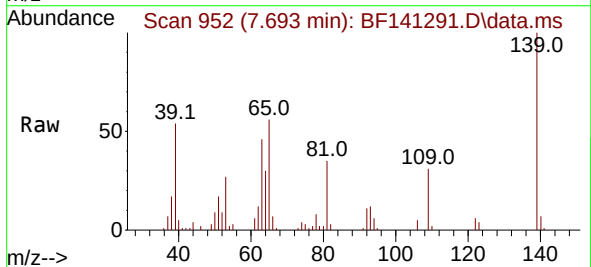
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

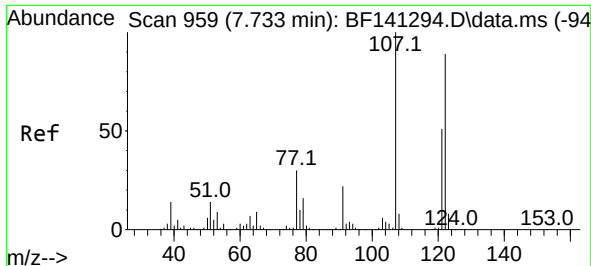
Tgt Ion: 82	Resp: 92818
Ion Ratio	Lower Upper
82	100
95	6.7 5.8 8.6
138	17.2 14.7 22.1



#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

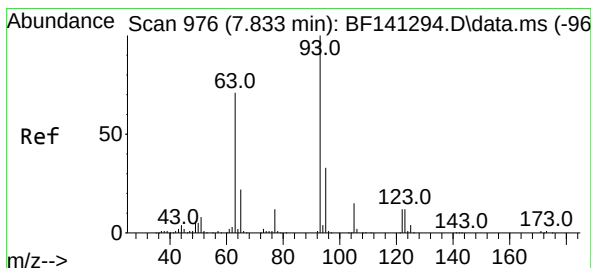
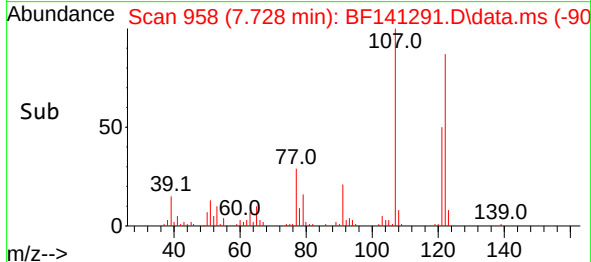
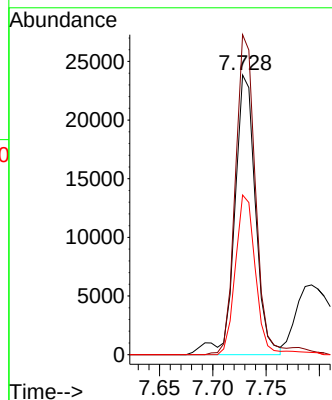
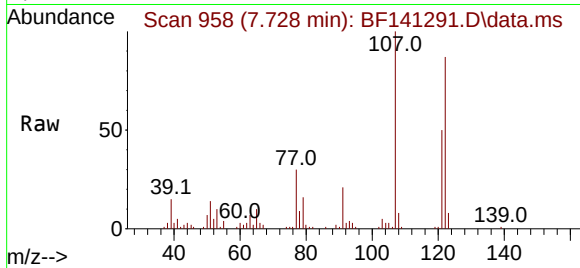
Tgt Ion:122 Resp: 32462

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

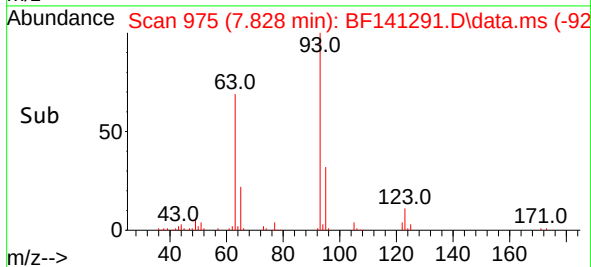
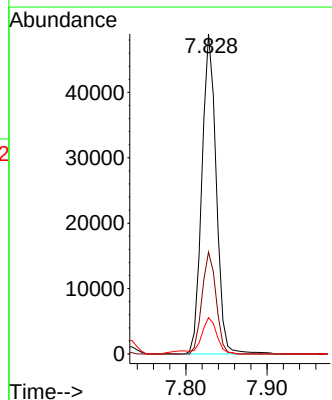
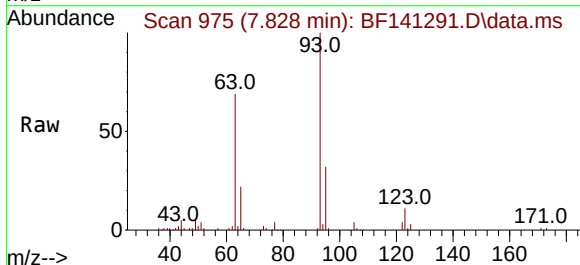
Tgt Ion: 93 Resp: 60286

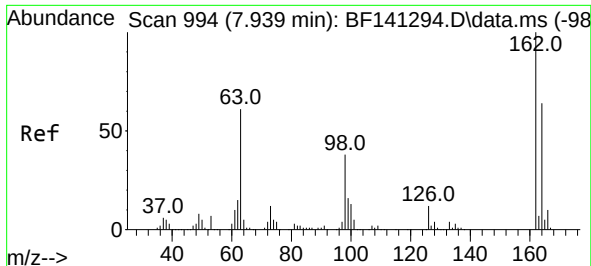
Ion Ratio Lower Upper

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

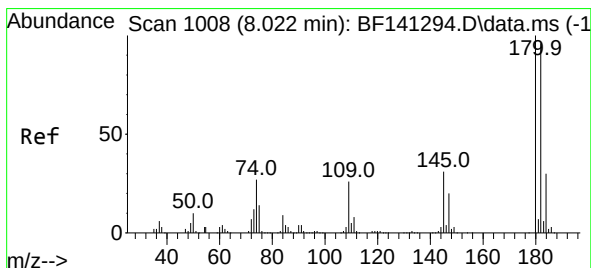
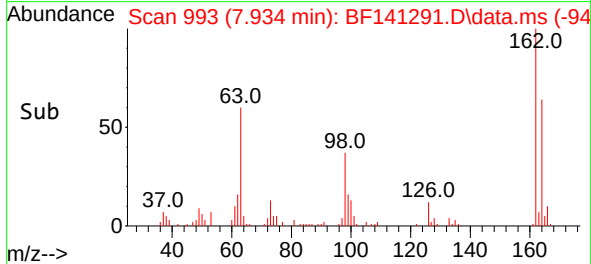
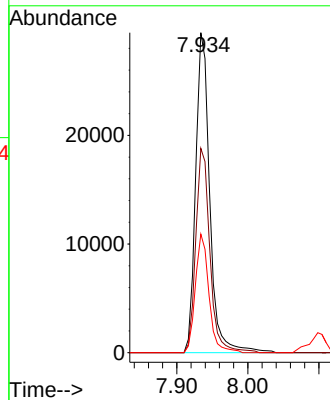
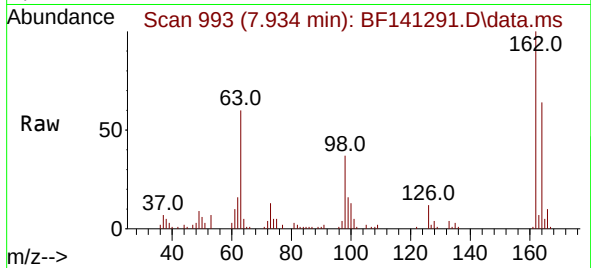
Tgt Ion:162 Resp: 40847

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

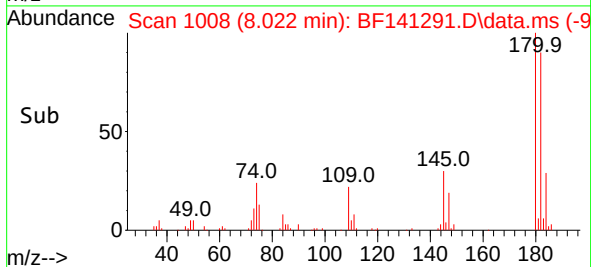
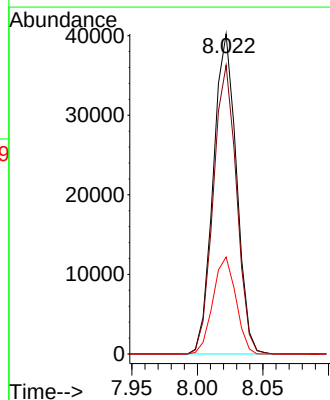
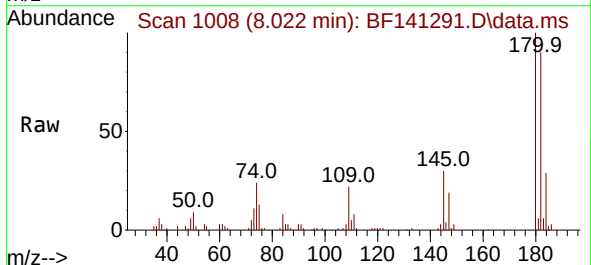
Tgt Ion:180 Resp: 49479

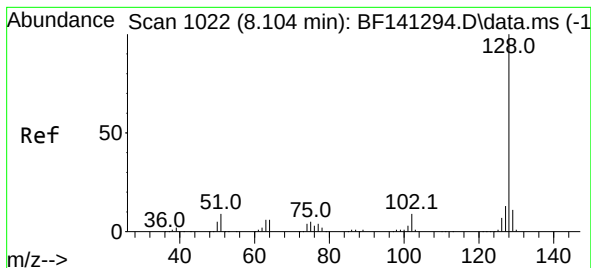
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

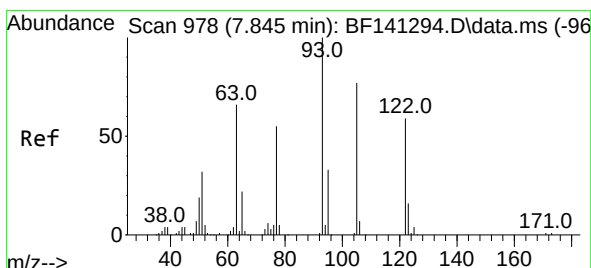
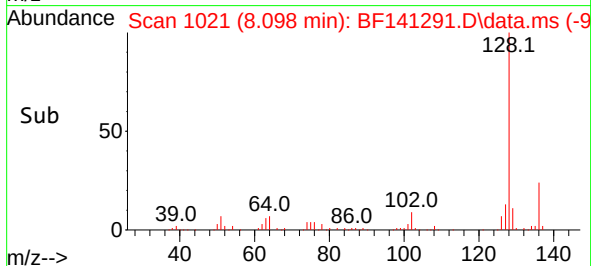
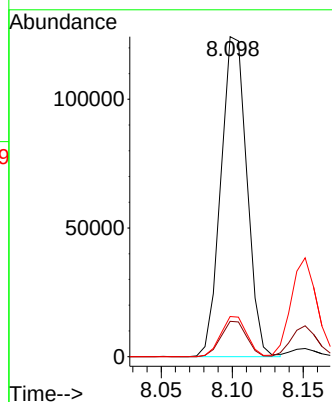
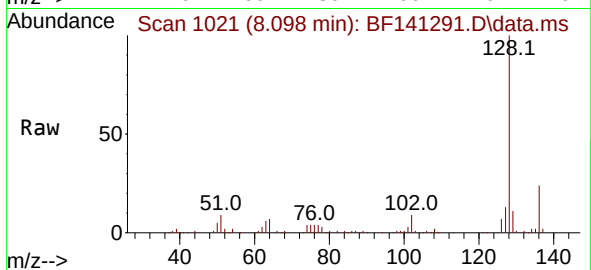
Tgt Ion:128 Resp: 158560

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

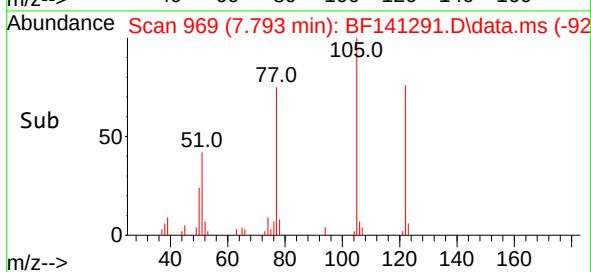
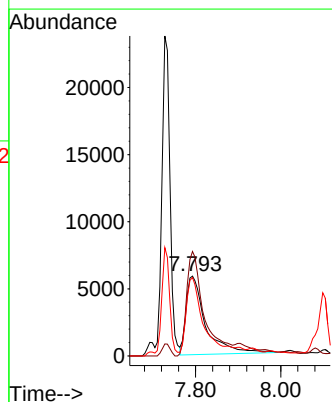
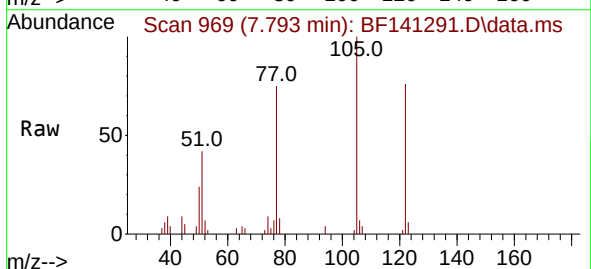
Tgt Ion:122 Resp: 18585

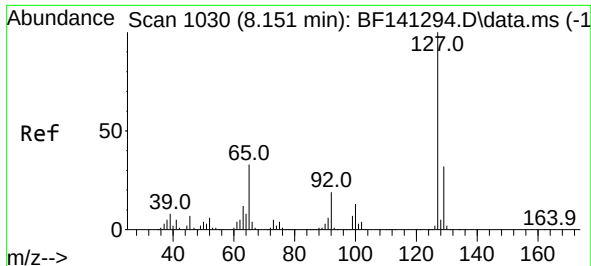
Ion Ratio Lower Upper

122 100

105 130.7 103.4 143.4

77 98.2 70.9 110.9

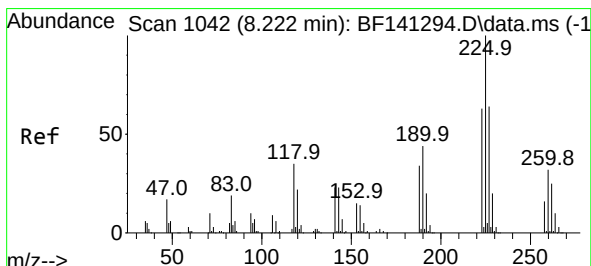
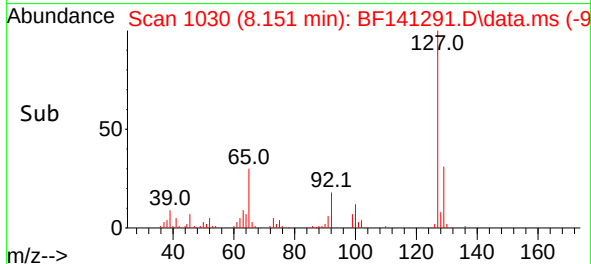
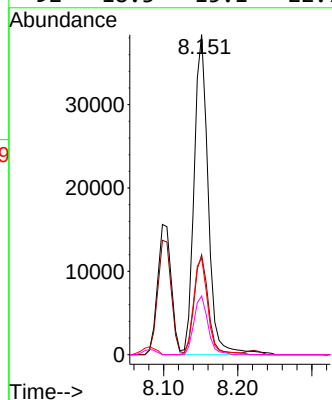
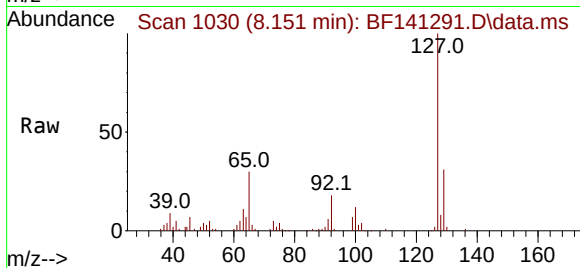




#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

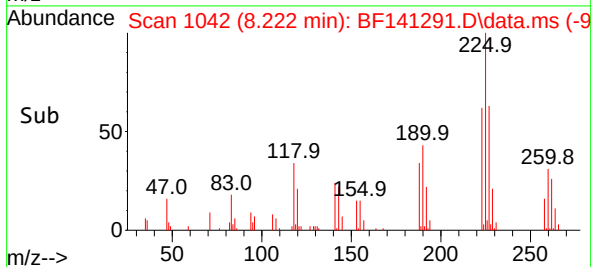
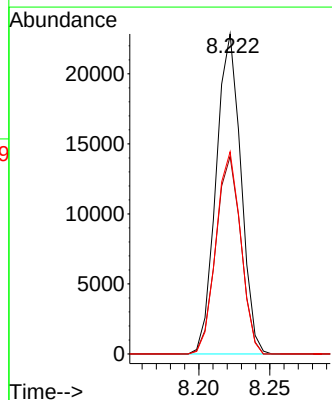
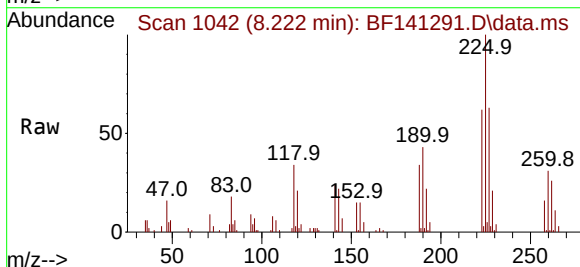
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

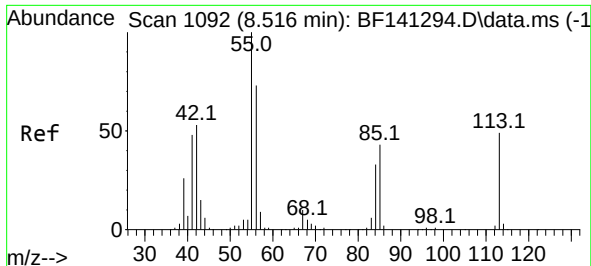
Tgt Ion:	127	Resp:	50760
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7



#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

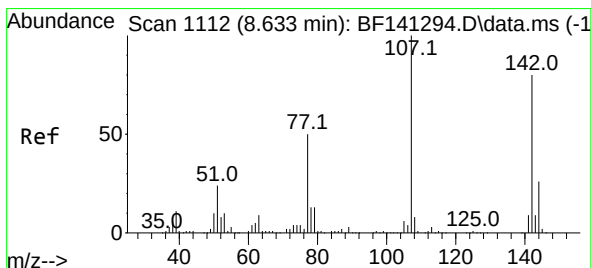
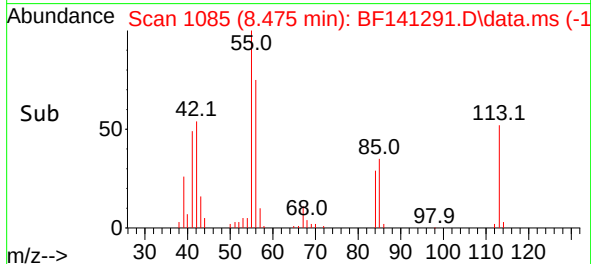
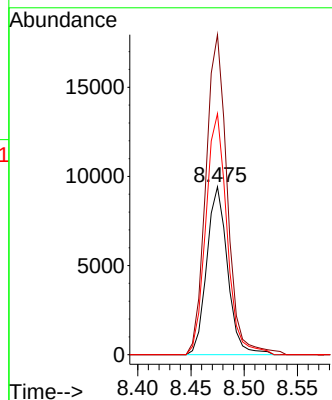
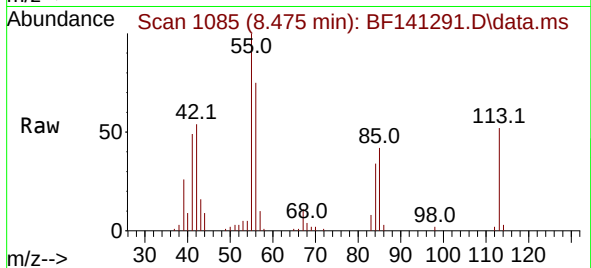




#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

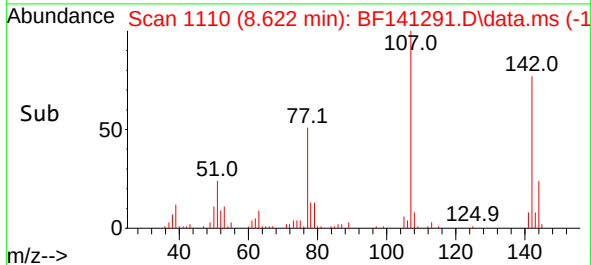
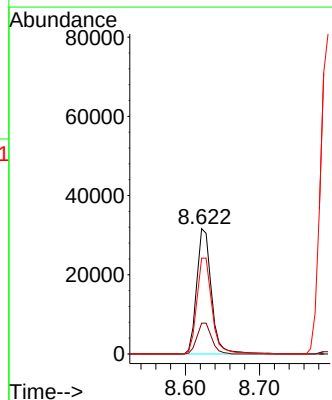
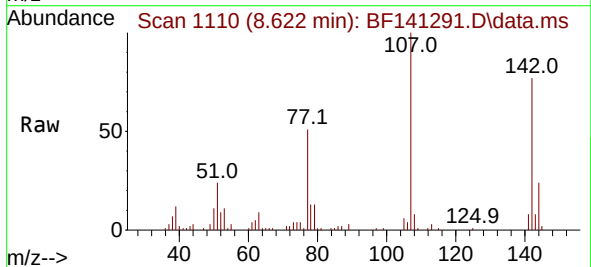
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

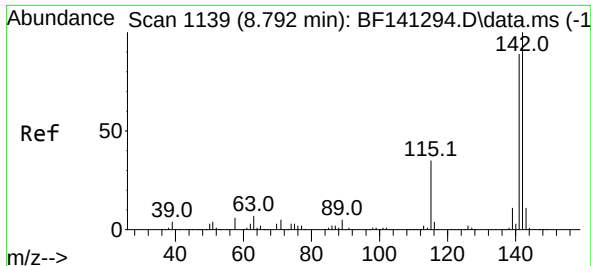
Tgt Ion:113 Resp: 12827
Ion Ratio Lower Upper
113 100
55 190.7 182.9 222.9
56 143.6 127.9 167.9



#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 :

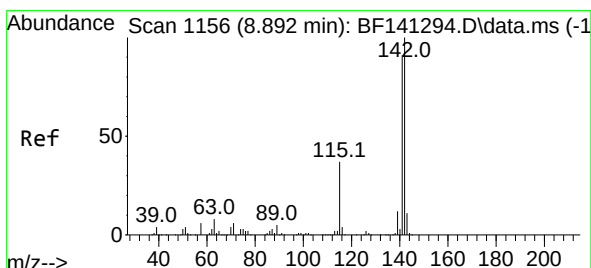
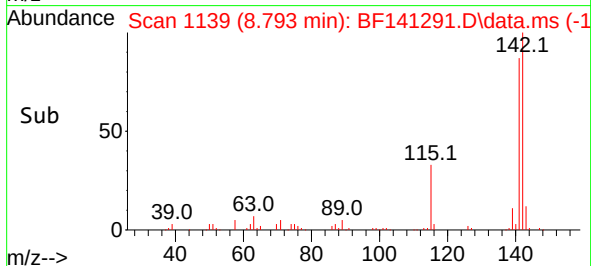
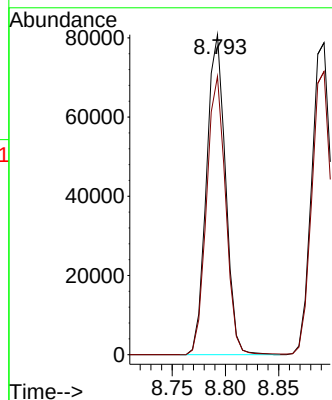
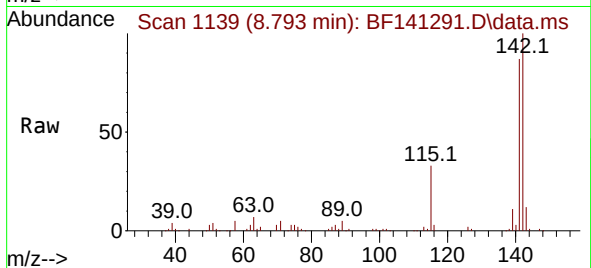
SSTDICC005

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

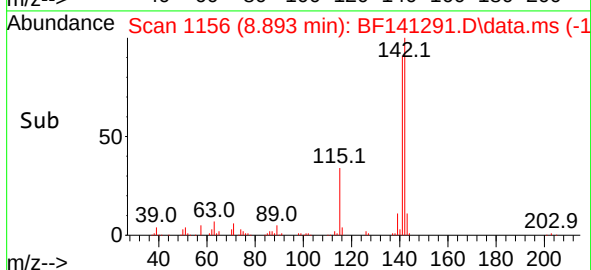
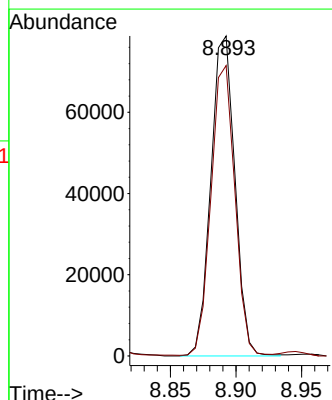
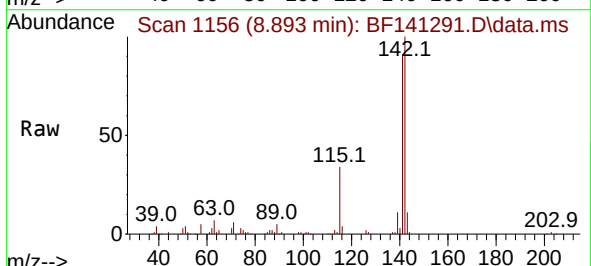
Acq: 29 Jan 2025 10:56

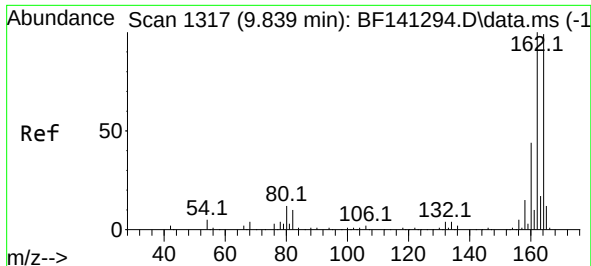
Tgt Ion:142 Resp: 100569

Ion Ratio Lower Upper

142 100

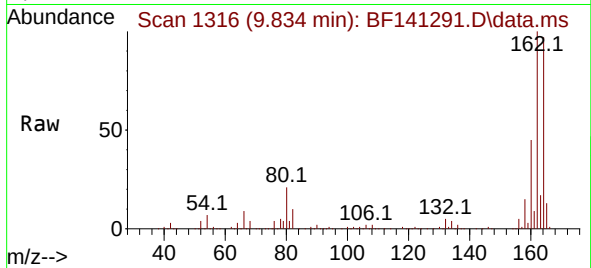
141 90.8 73.2 109.8



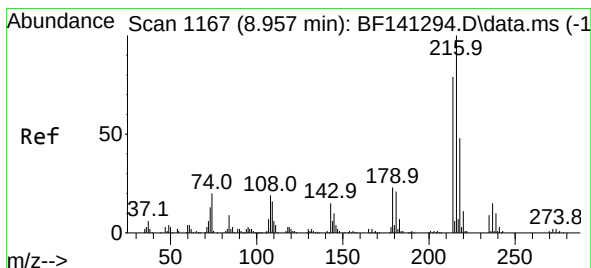
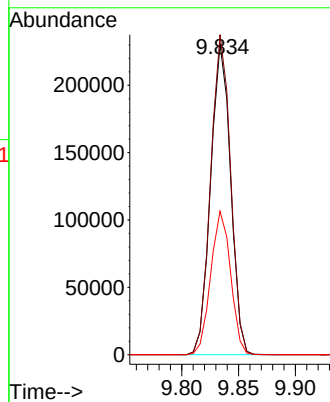
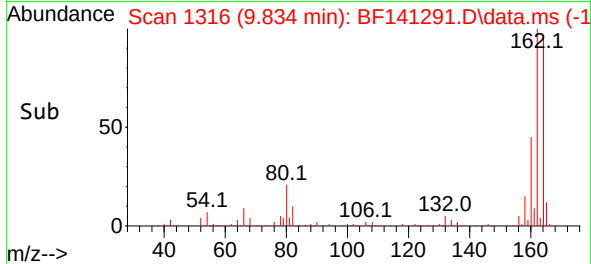


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

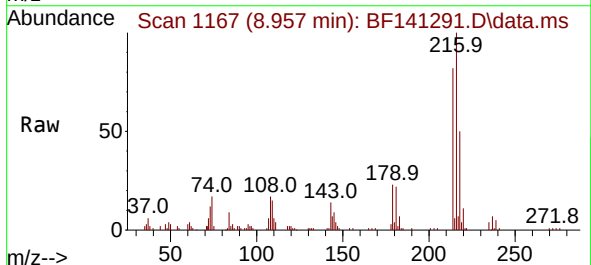
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



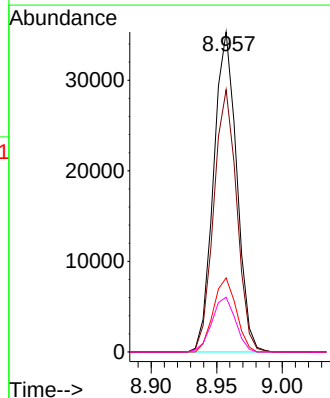
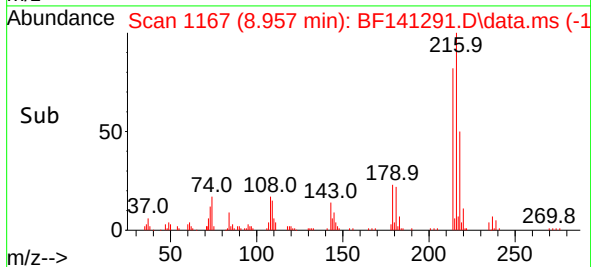
Tgt Ion:164 Resp: 281034
Ion Ratio Lower Upper
164 100
162 103.1 80.6 121.0
160 46.2 35.8 53.6

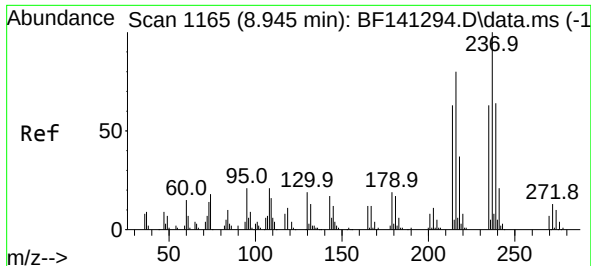


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56



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

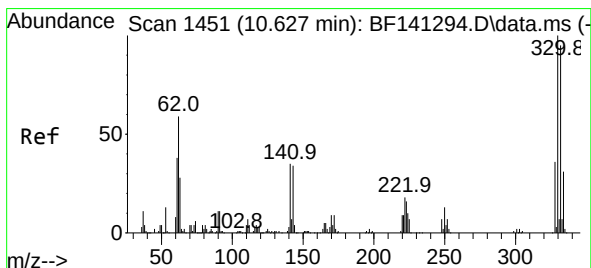
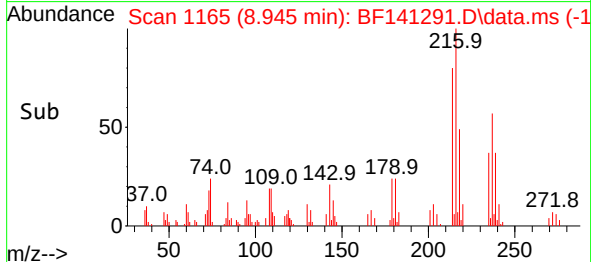
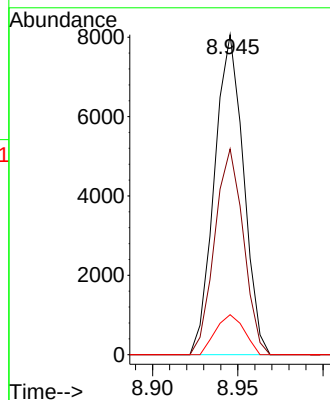
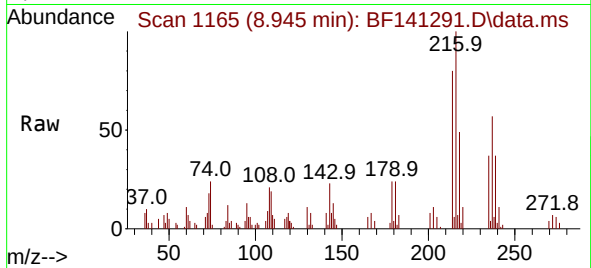




#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

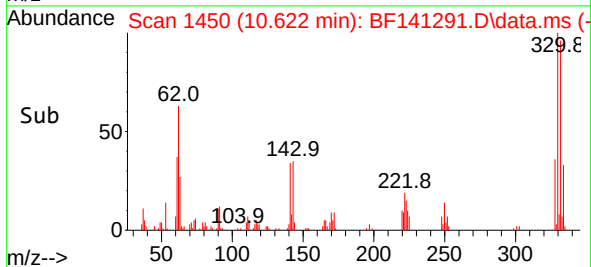
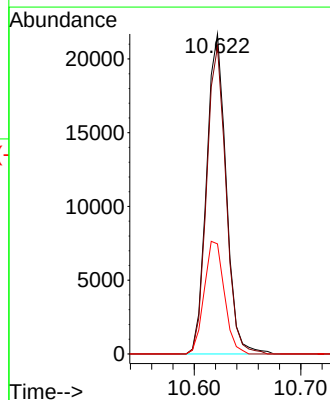
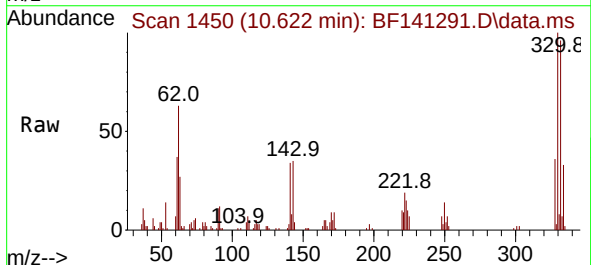
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

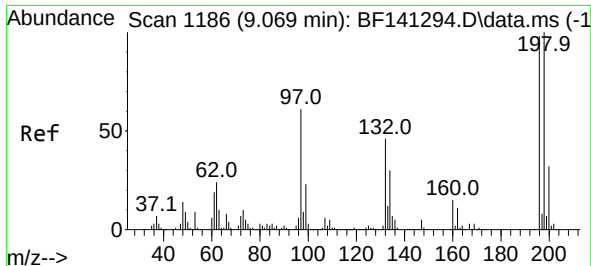
Tgt Ion:237	Resp:	9555
Ion Ratio	Lower	Upper
237	100	
235	64.3	42.9 82.9
272	12.5	0.0 32.8



#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

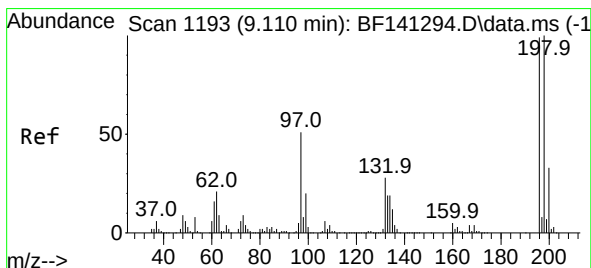
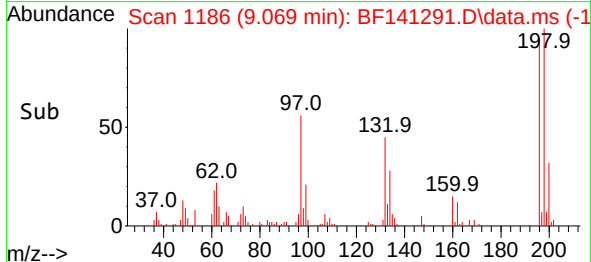
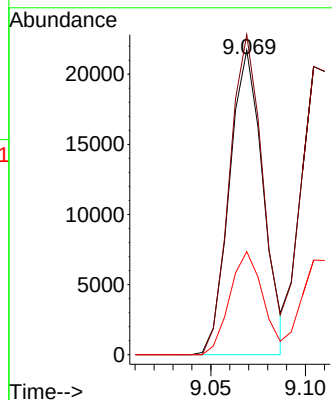
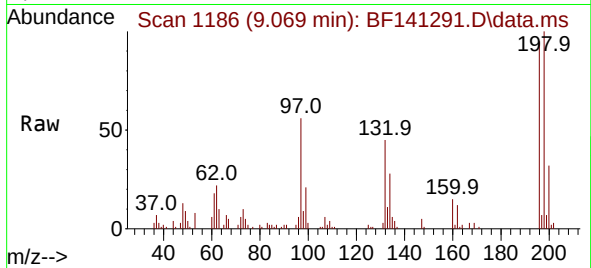




#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

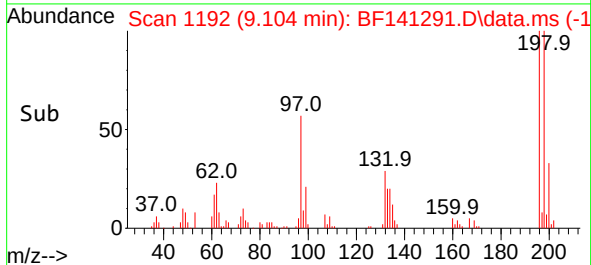
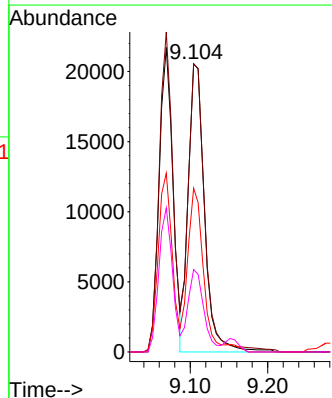
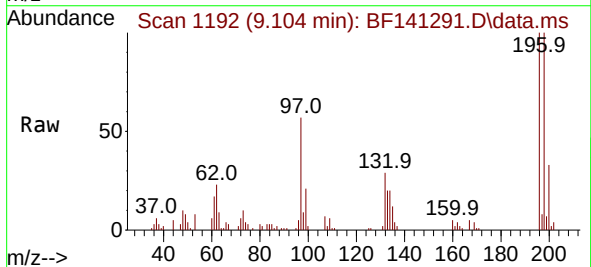
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

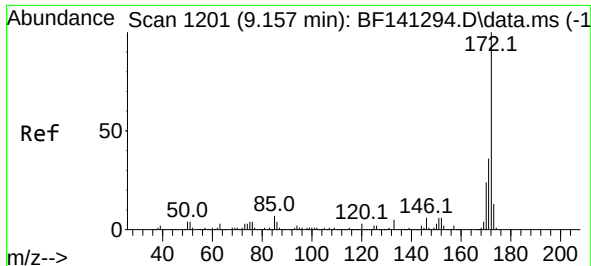
Tgt Ion:196 Resp: 26790
Ion Ratio Lower Upper
196 100
198 105.1 81.8 122.6
200 33.8 26.3 39.5



#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

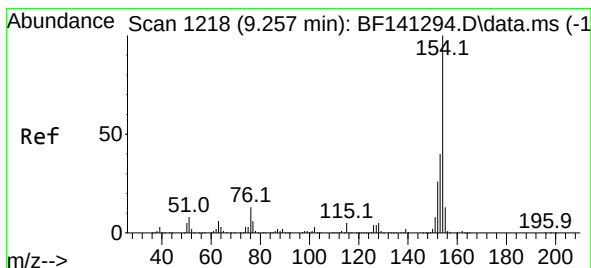
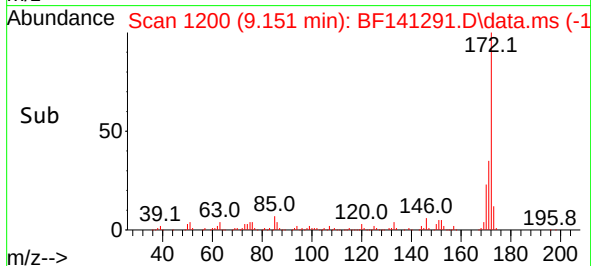
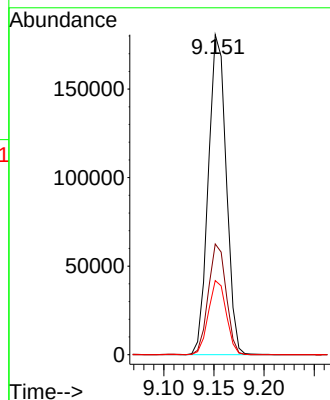
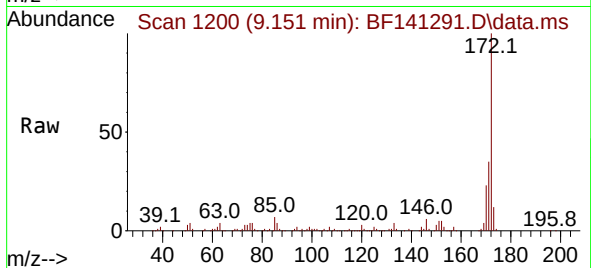
Tgt Ion:172 Resp: 224446

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

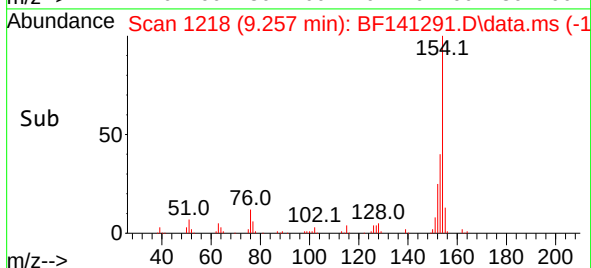
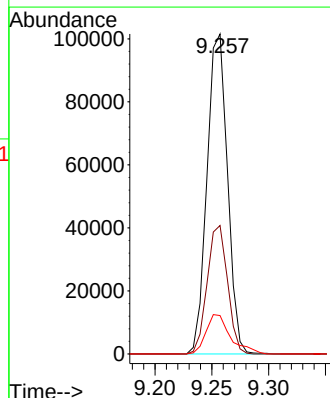
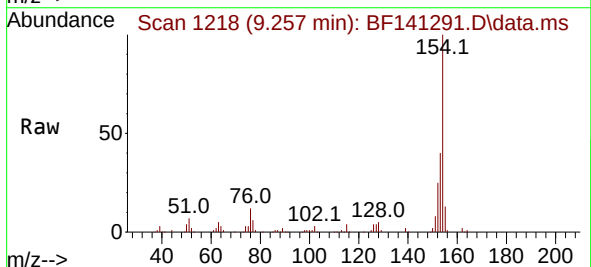
Tgt Ion:154 Resp: 127187

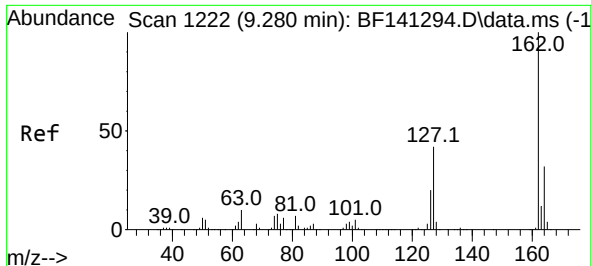
Ion Ratio Lower Upper

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

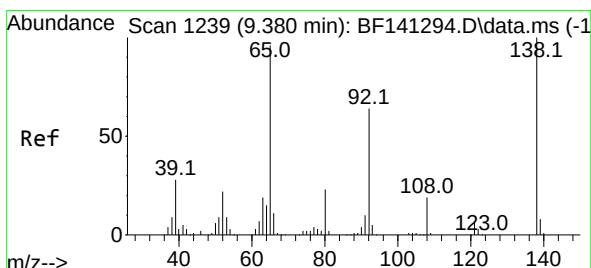
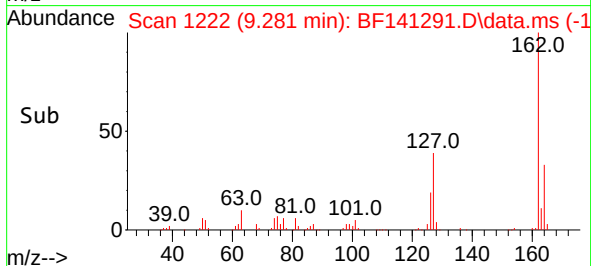
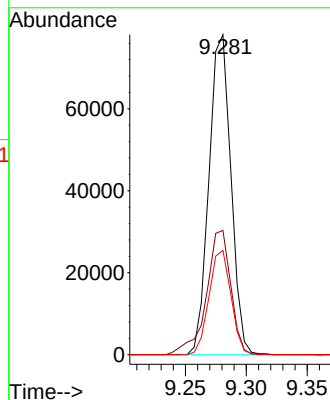
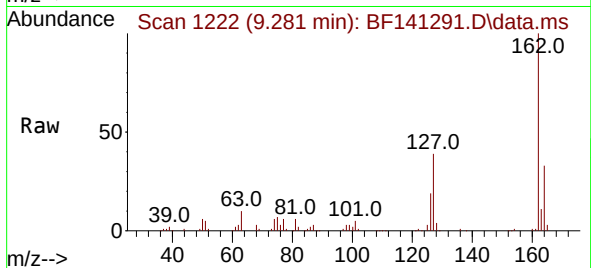
Tgt Ion:162 Resp: 98081

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

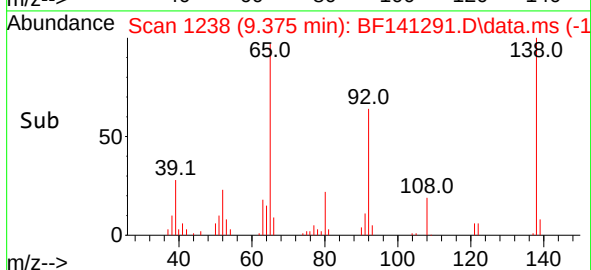
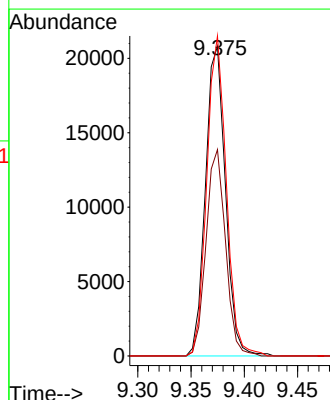
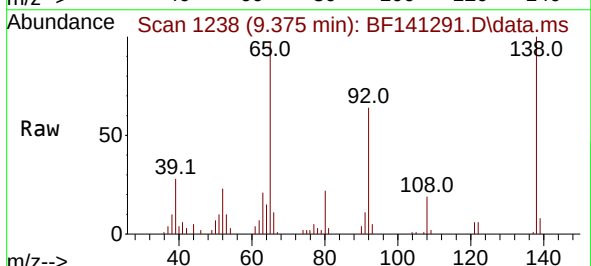
Tgt Ion: 65 Resp: 27154

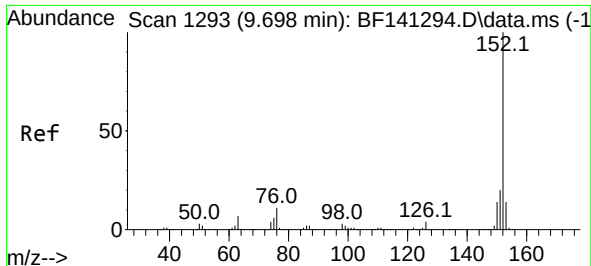
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 103.3 83.6 125.4

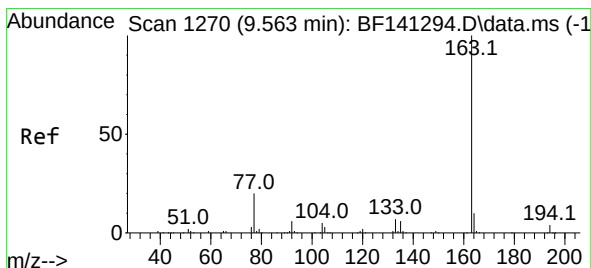
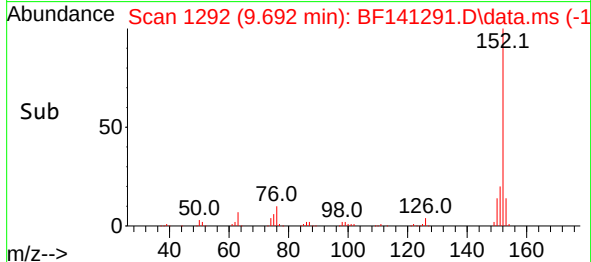
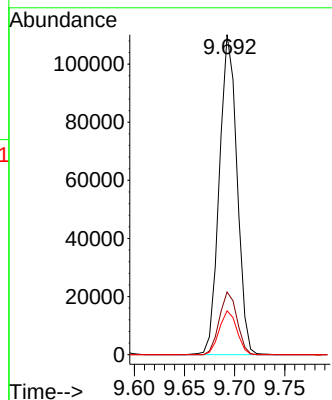
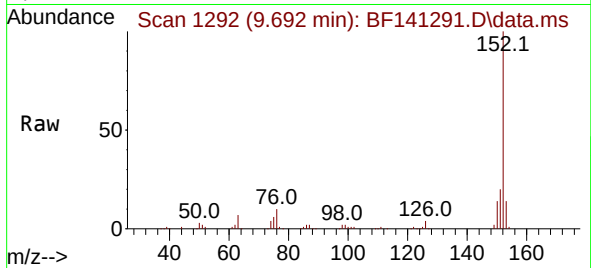




#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

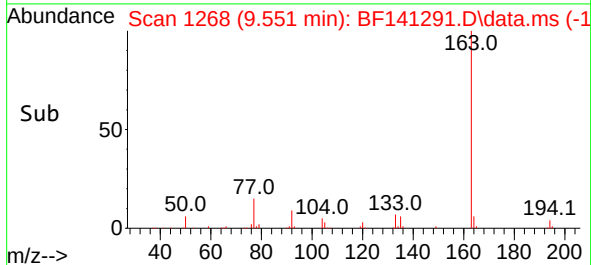
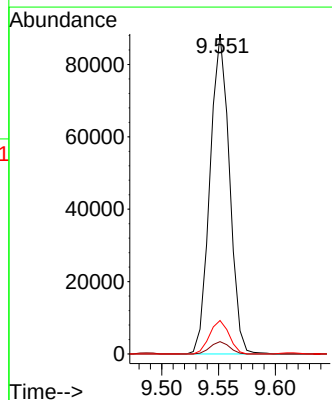
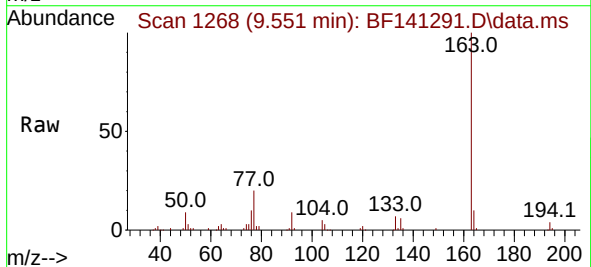
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

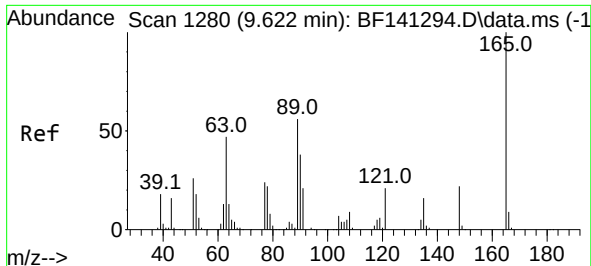
Tgt Ion:152 Resp: 134958
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 13.7 11.0 16.6



#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

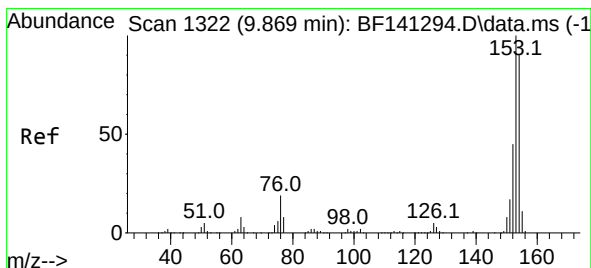
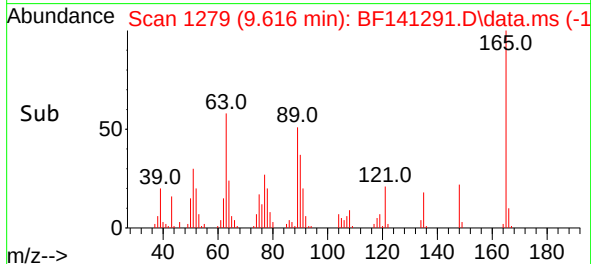
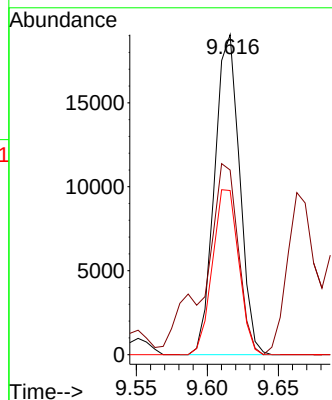
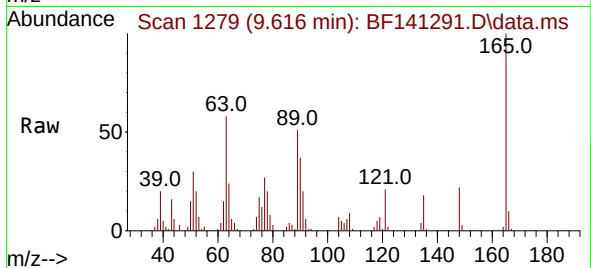
Tgt Ion:165 Resp: 23372

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

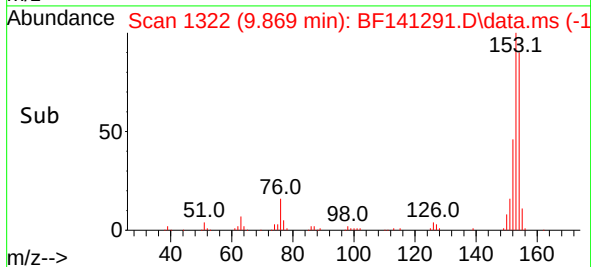
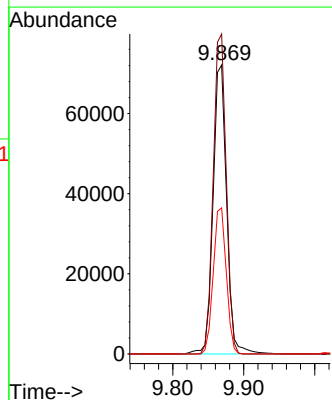
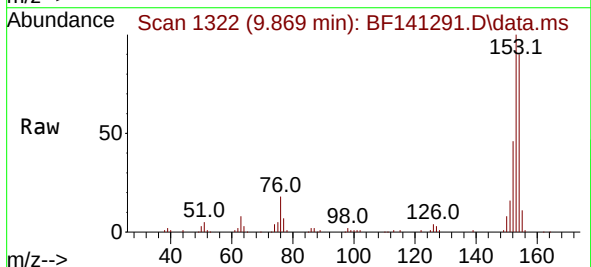
Tgt Ion:154 Resp: 95591

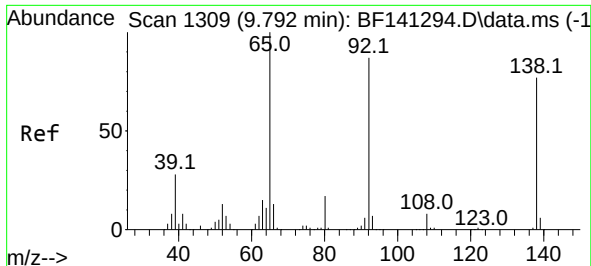
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.4

152 50.6 40.2 60.4

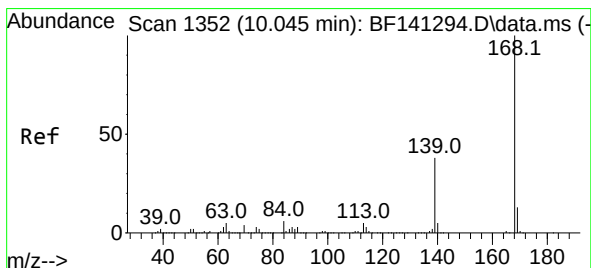
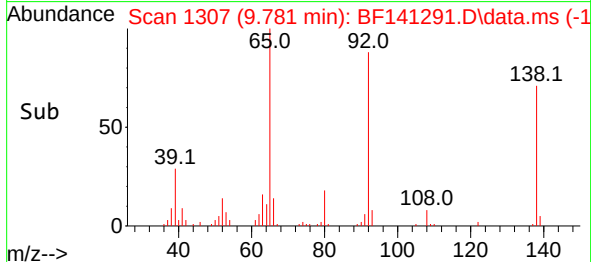
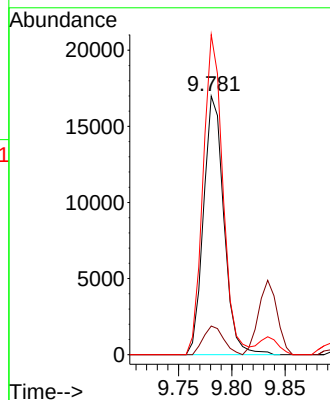
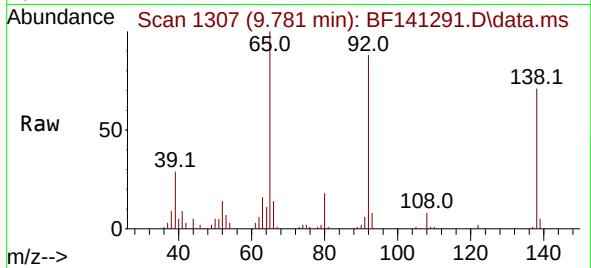




#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

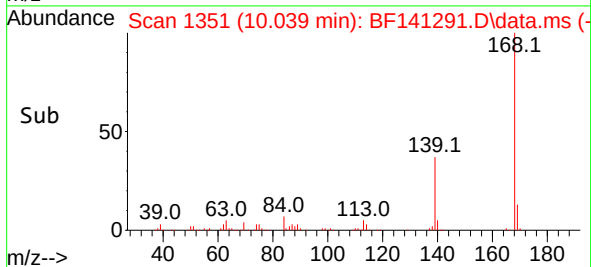
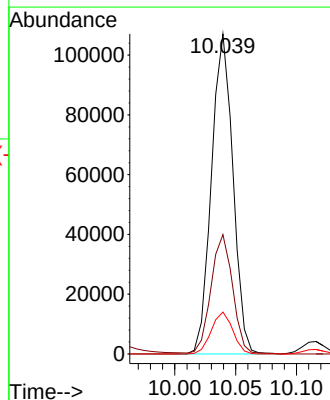
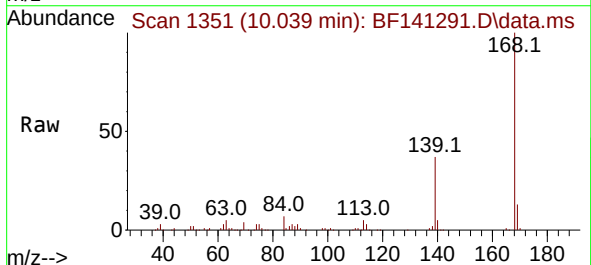
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

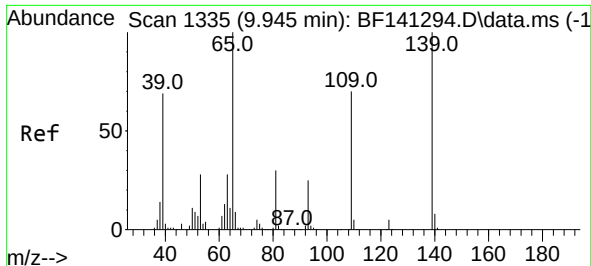
Tgt Ion:138 Resp: 22582
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 123.7 91.0 136.6



#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

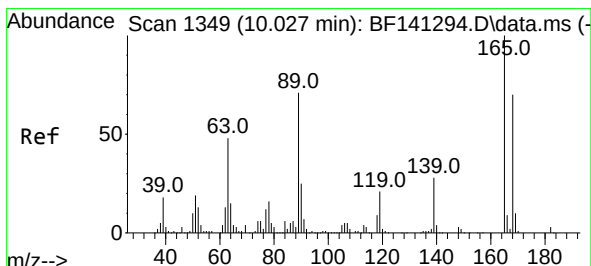
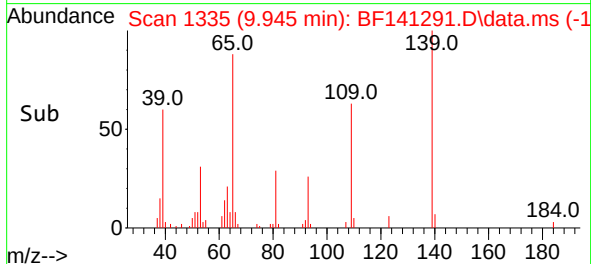
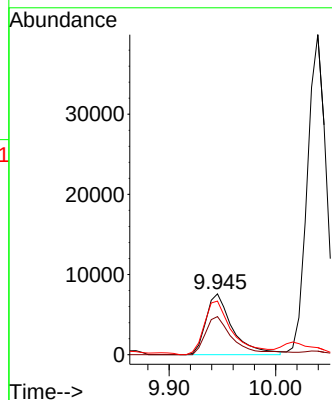
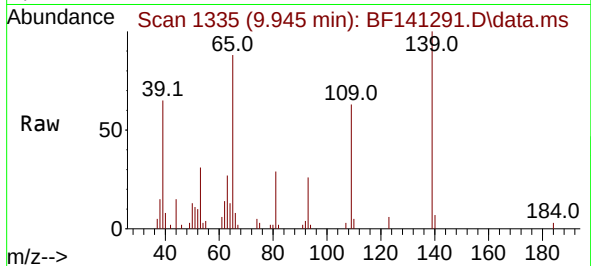




#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

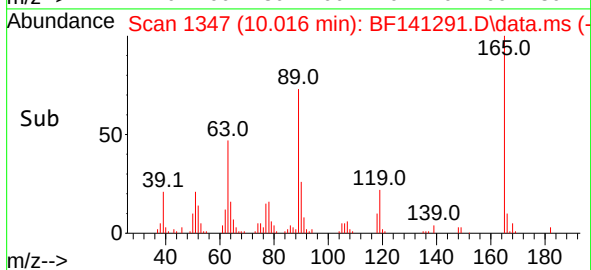
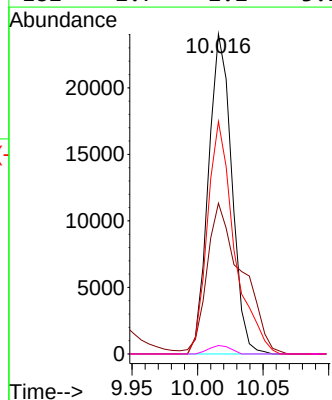
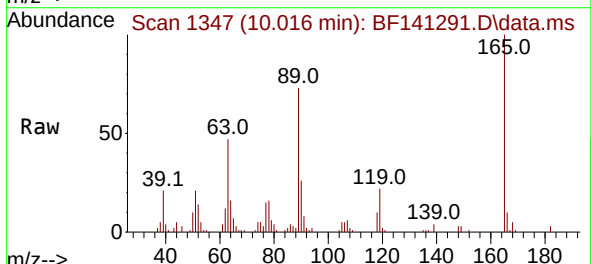
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

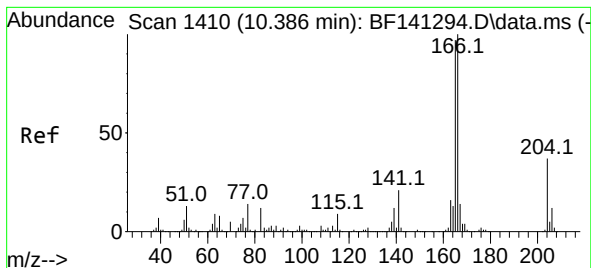
Tgt Ion:139 Resp: 13160
Ion Ratio Lower Upper
139 100
109 62.7 50.2 90.2
65 88.2 80.6 120.6



#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 :

SSTDIC005

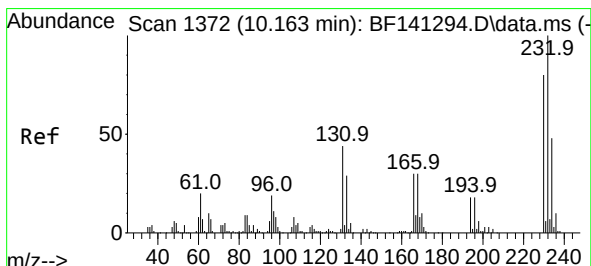
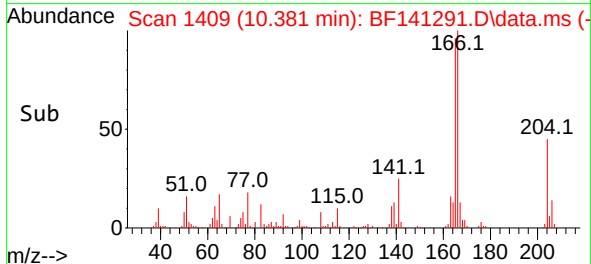
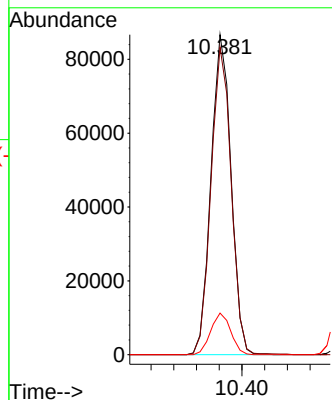
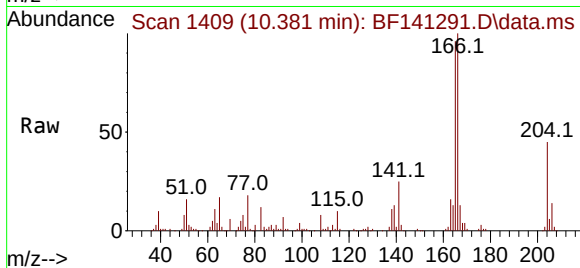
Tgt Ion:166 Resp: 106198

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

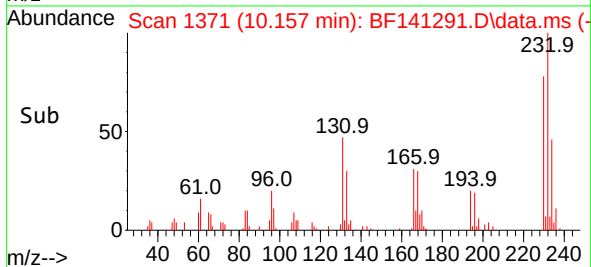
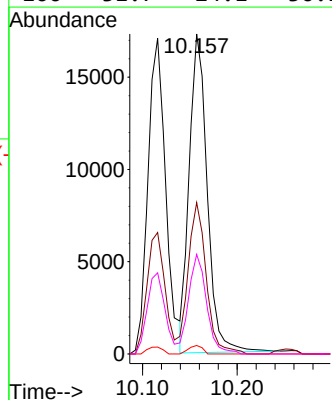
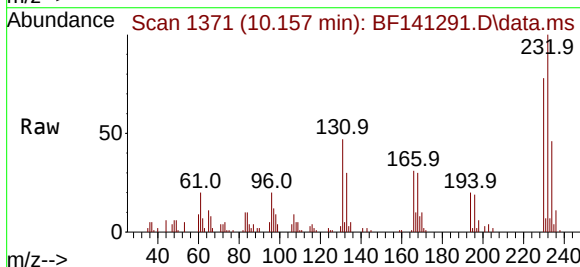
Ion Ratio Lower Upper

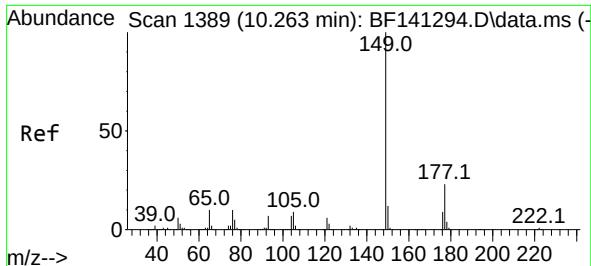
232 100

131 48.3 36.4 54.6

130 2.1 1.9 2.9

166 31.7 24.1 36.1

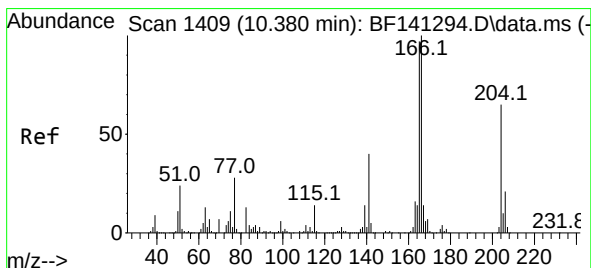
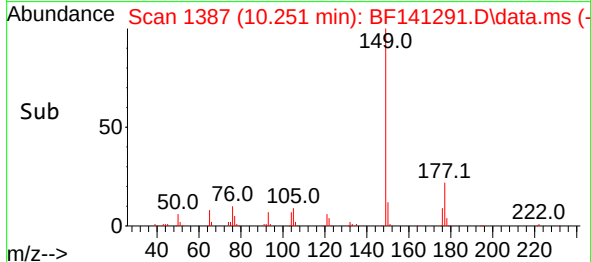
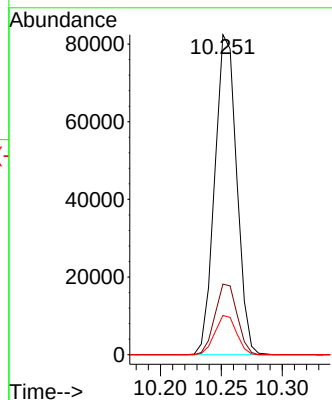
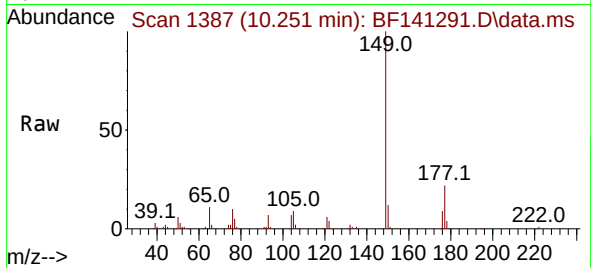




#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

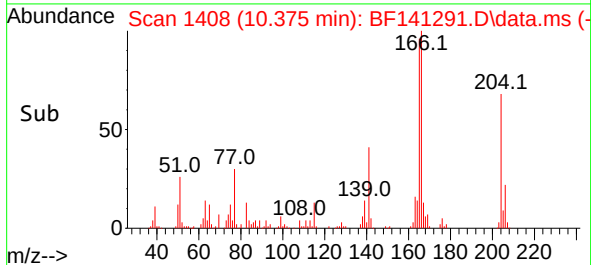
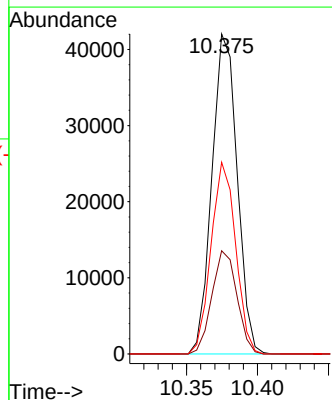
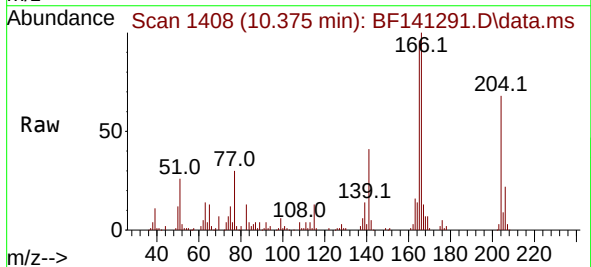
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

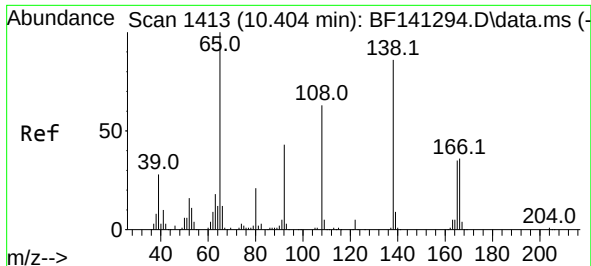
Tgt Ion:149 Resp: 103307
Ion Ratio Lower Upper
149 100
177 22.1 18.5 27.7
150 12.3 10.0 15.0



#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

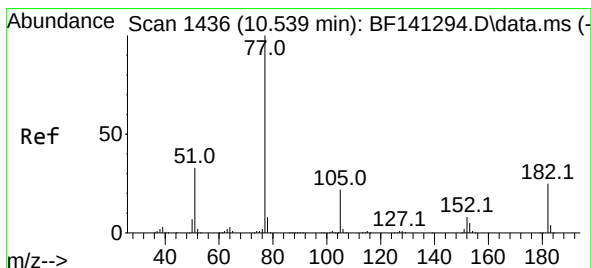
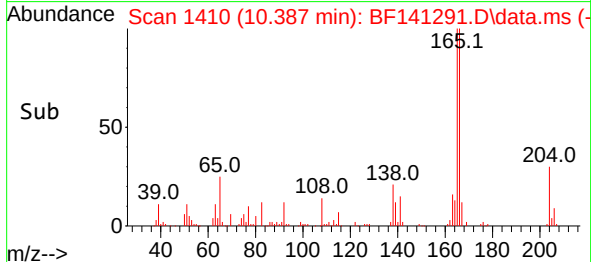
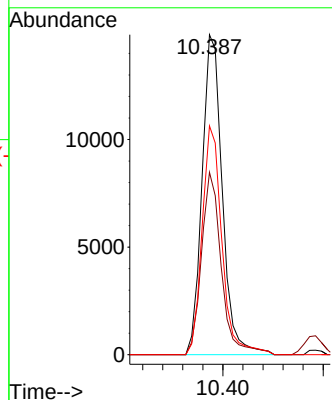
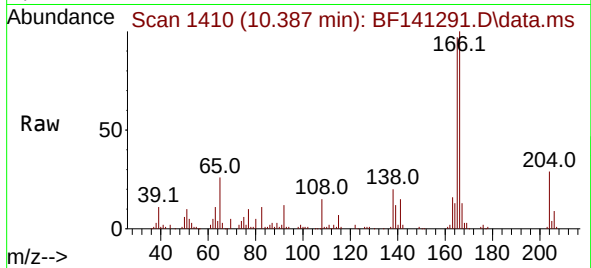




#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

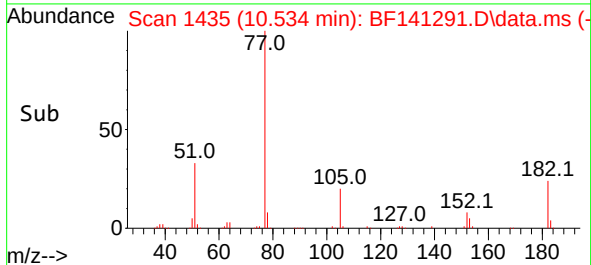
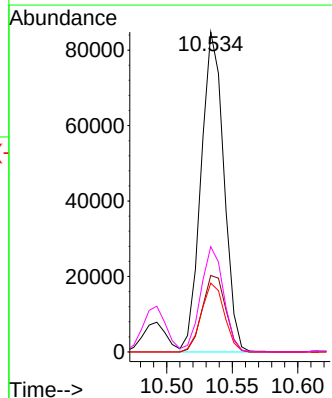
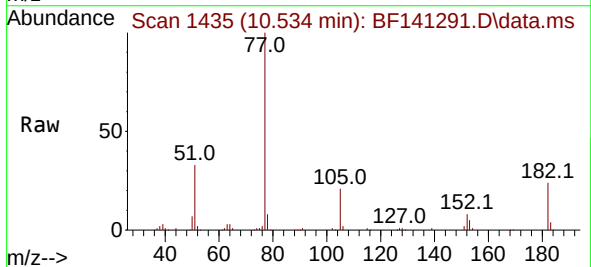
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

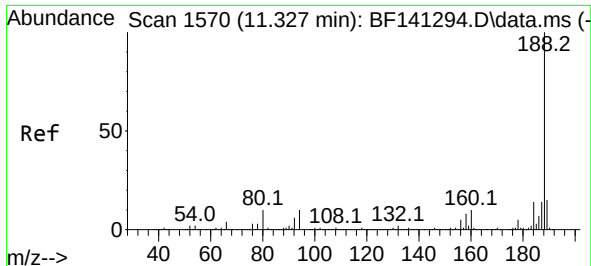
Tgt Ion:138 Resp: 20870
Ion Ratio Lower Upper
138 100
92 57.0 30.1 70.1
108 71.5 53.1 93.1



#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

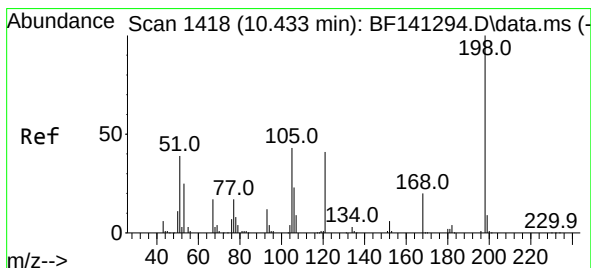
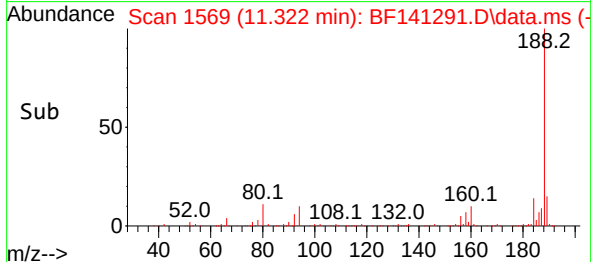
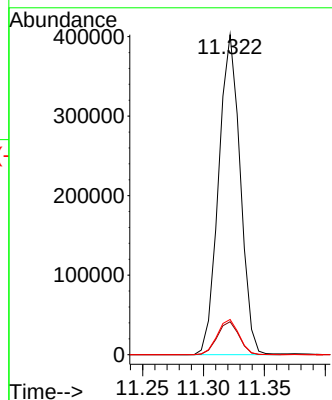
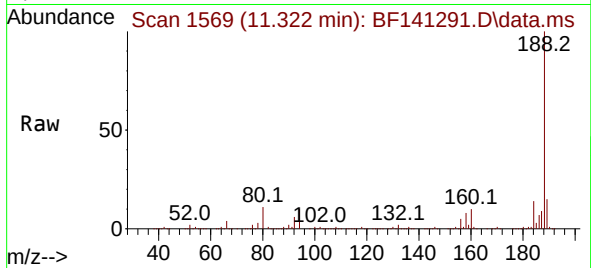




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

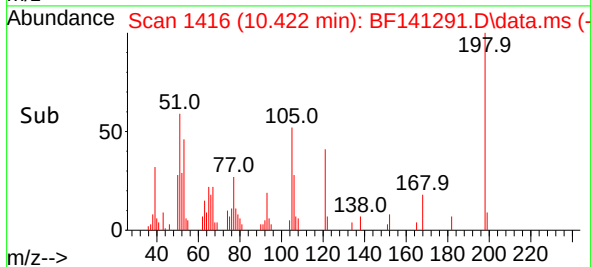
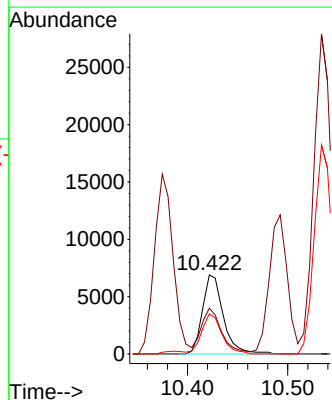
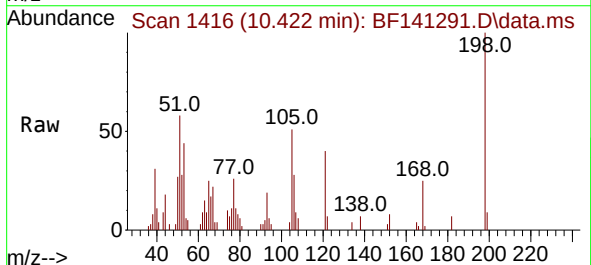
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

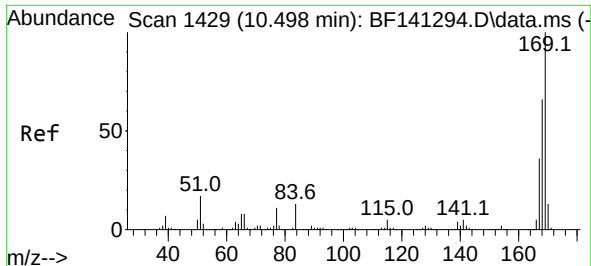
Tgt Ion:188 Resp: 497368
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.0 8.2 12.4



#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

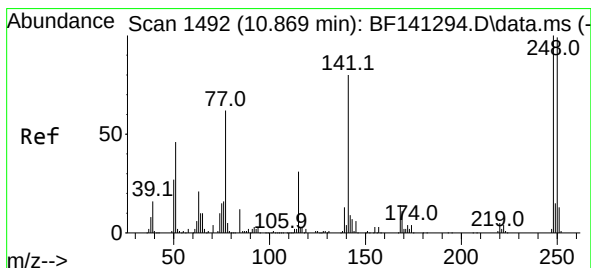
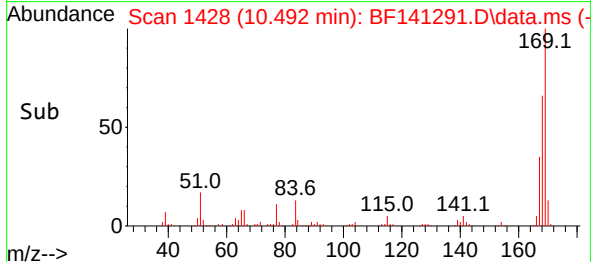
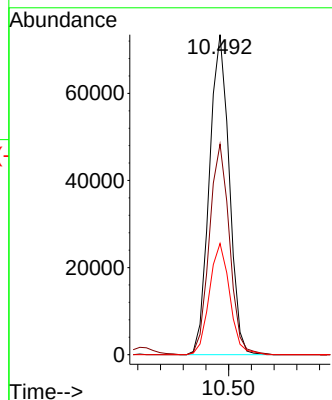
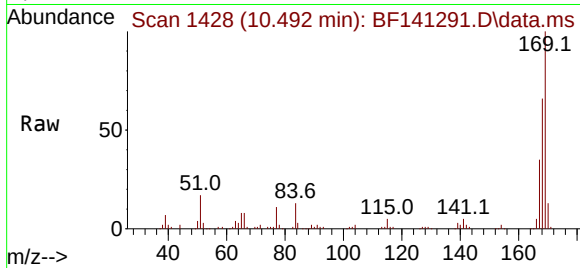




#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

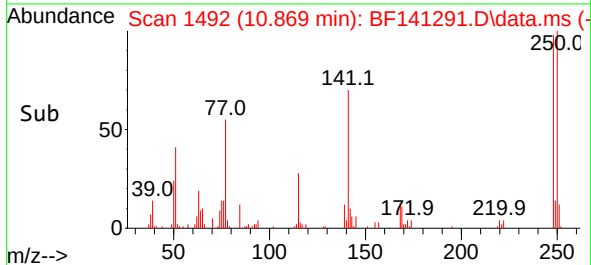
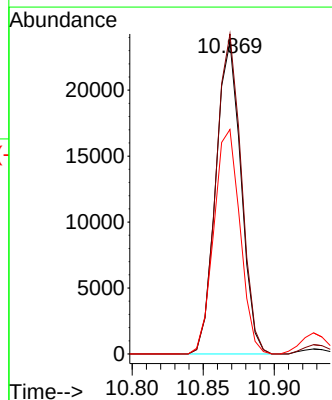
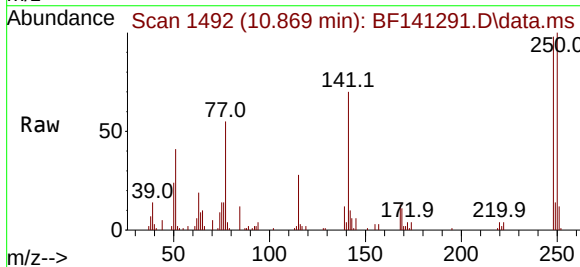
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

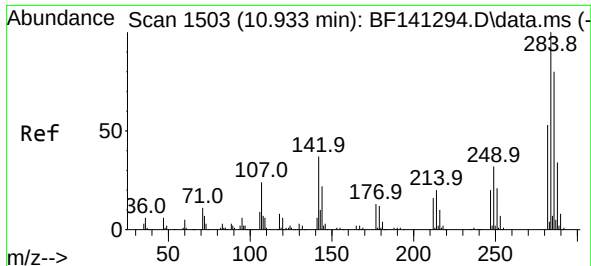
Tgt Ion:169 Resp: 89060
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 34.7 28.8 43.2



#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

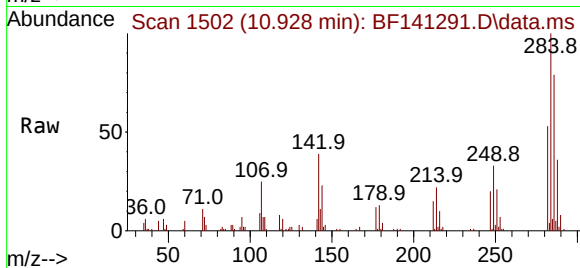
Tgt Ion:248 Resp: 29160
Ion Ratio Lower Upper
248 100
250 102.5 79.0 118.4
141 71.9 63.7 95.5



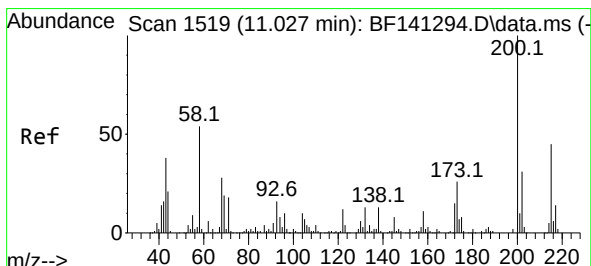
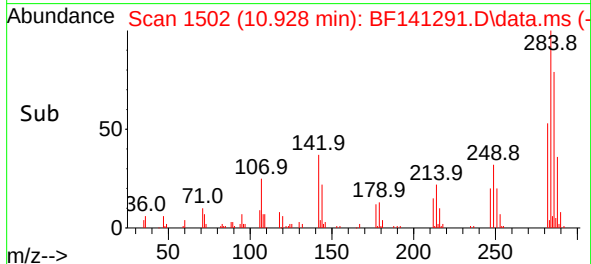
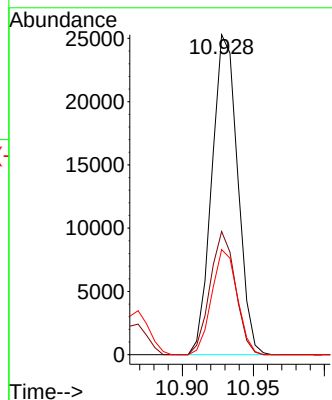


#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

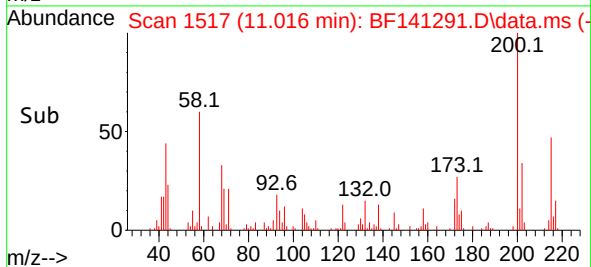
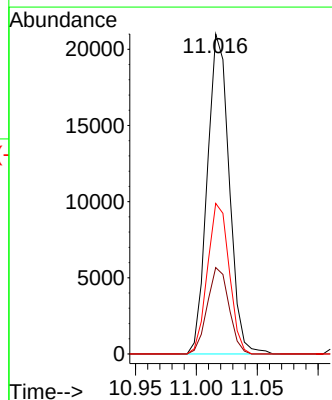
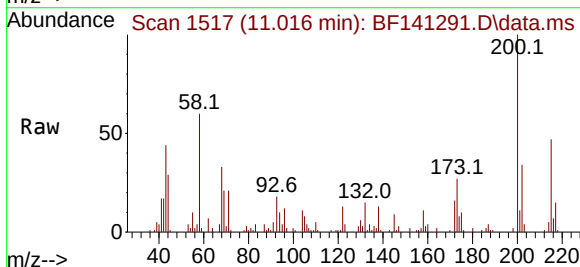


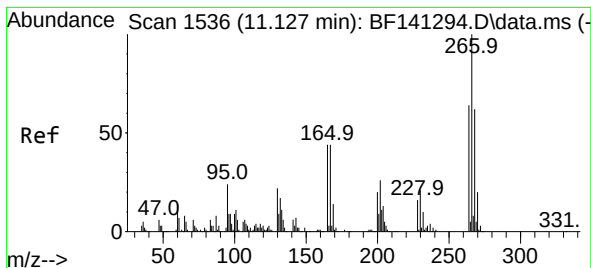
Tgt Ion:284 Resp: 31990
Ion Ratio Lower Upper
284 100
142 38.5 29.5 44.3
249 32.8 25.4 38.2



#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

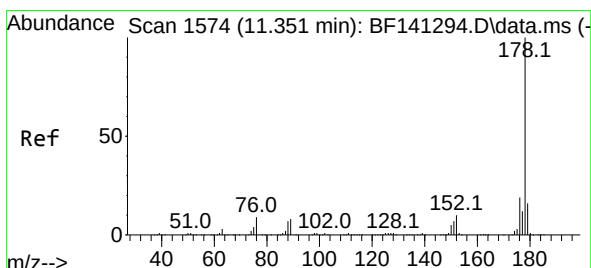
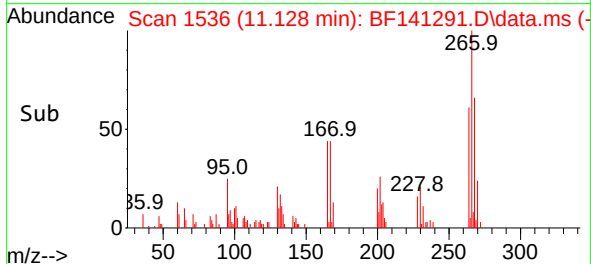
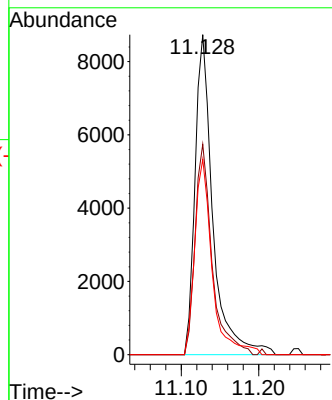
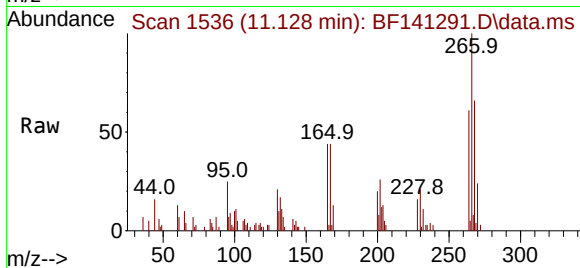




#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

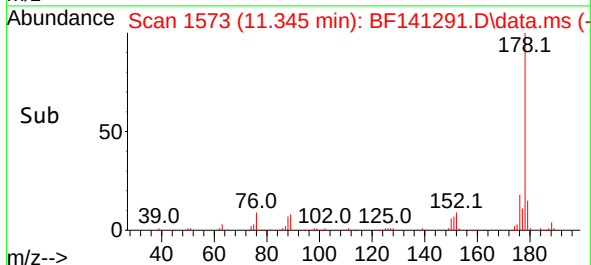
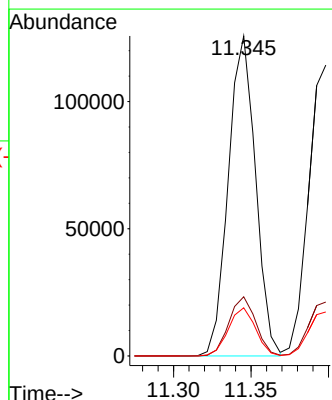
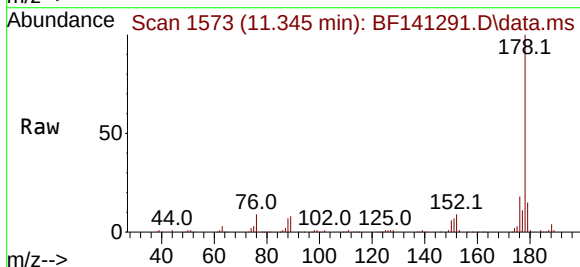
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

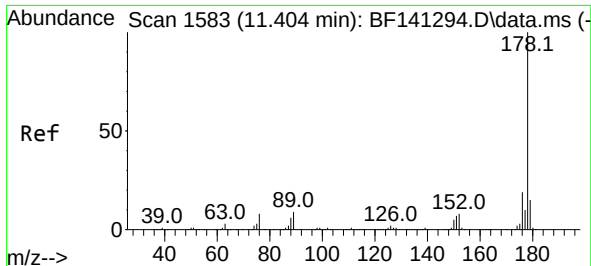
Tgt Ion:266 Resp: 13924
Ion Ratio Lower Upper
266 100
268 65.7 49.9 74.9
264 61.1 51.0 76.4



#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

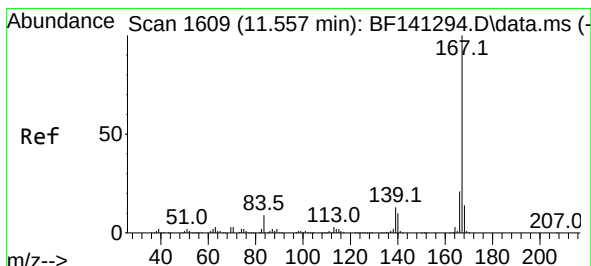
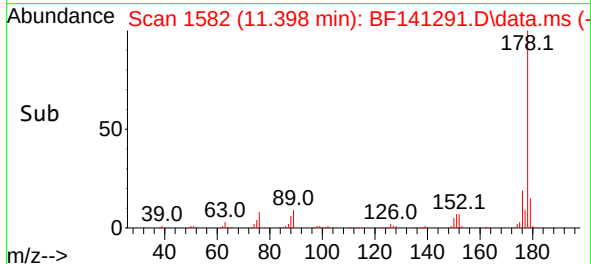
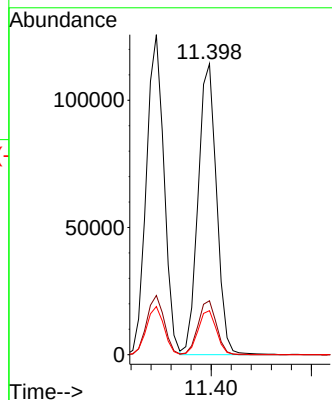
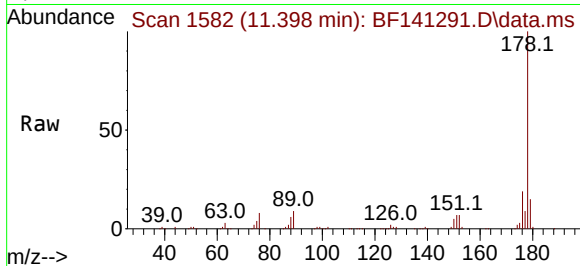




#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

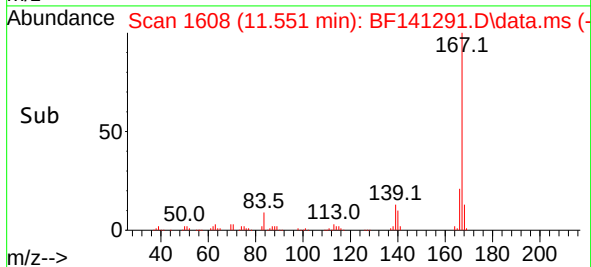
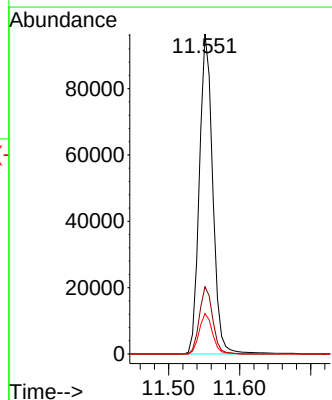
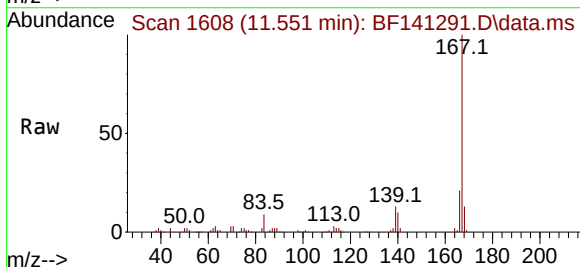
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

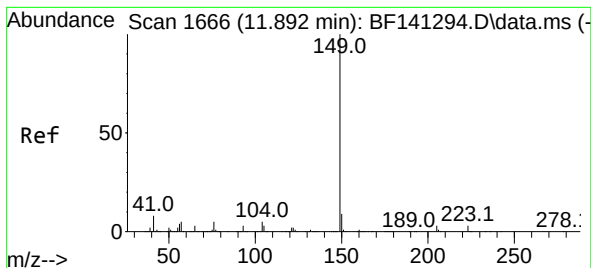
Tgt Ion:178 Resp: 146593
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.3 18.5



#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

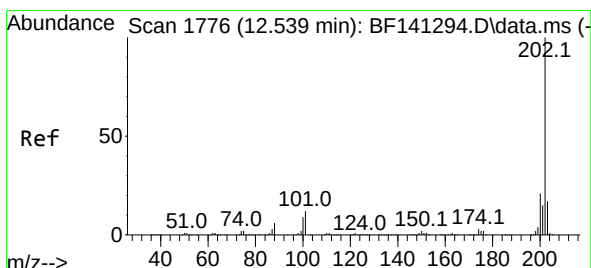
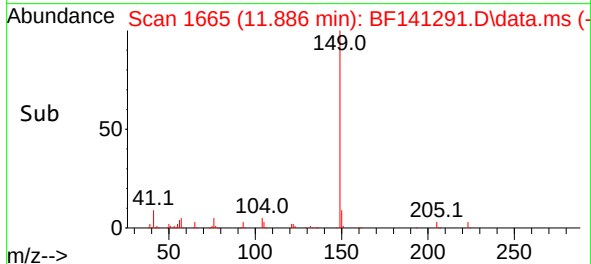
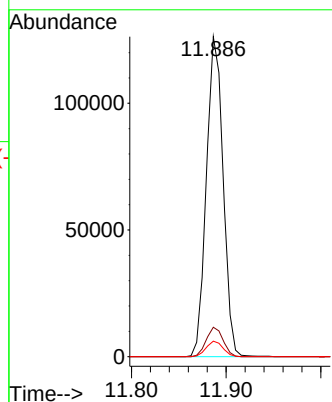
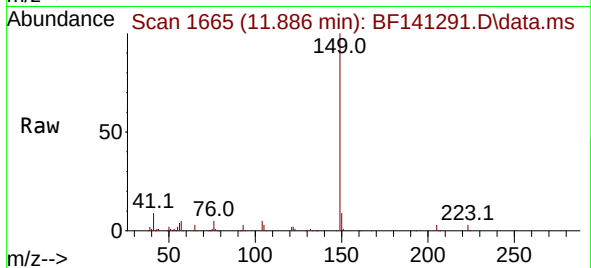




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

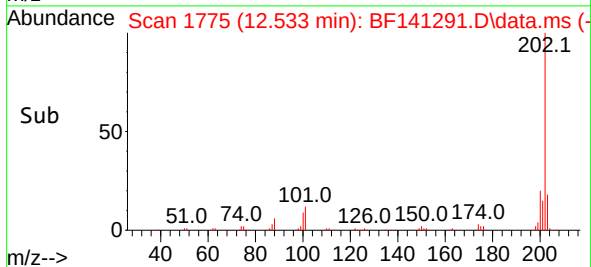
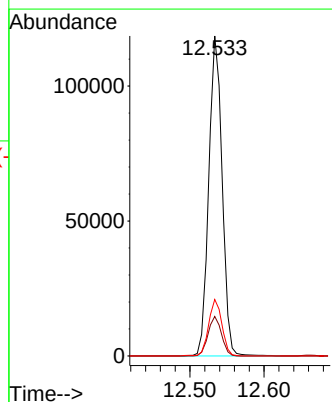
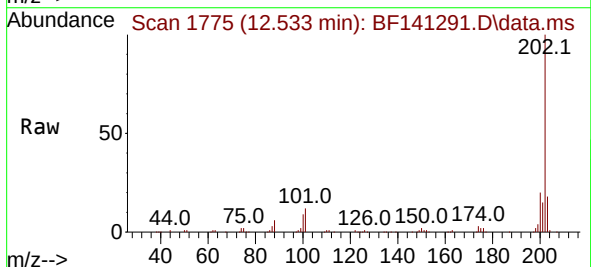
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

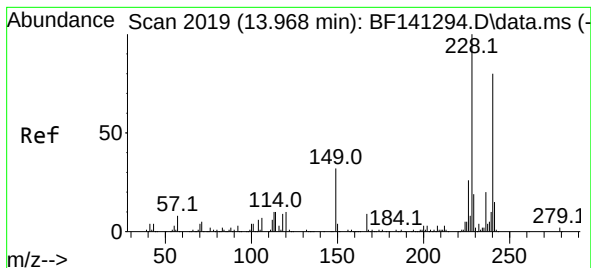
Tgt Ion:149 Resp: 154718
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9



#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

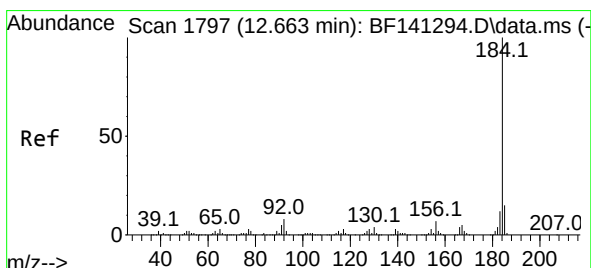
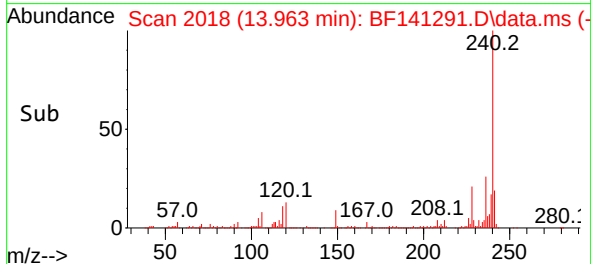
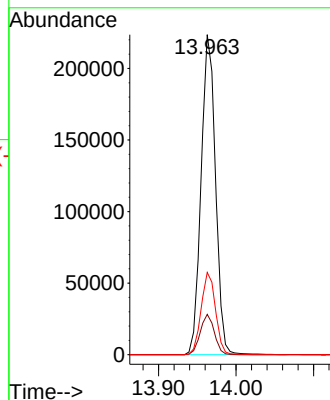
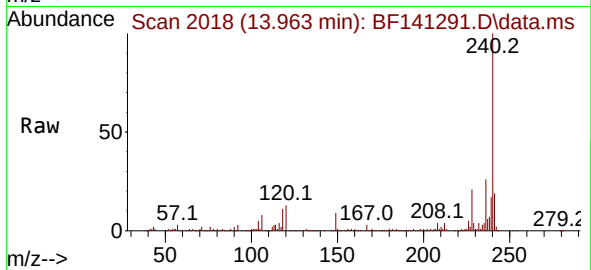




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

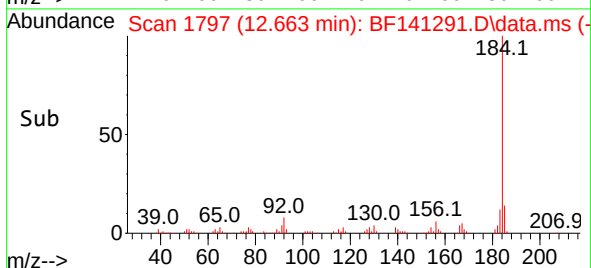
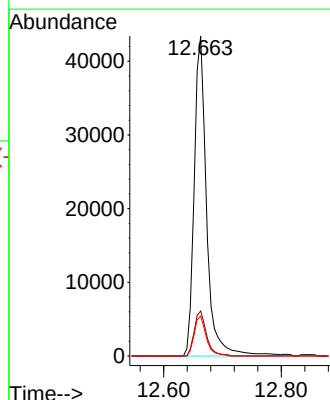
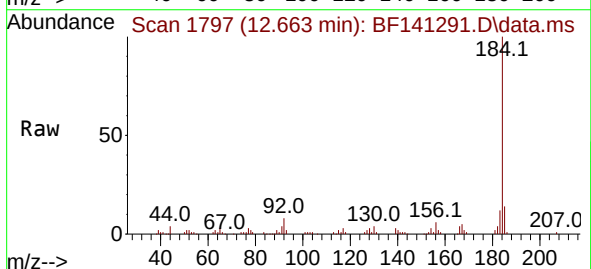
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

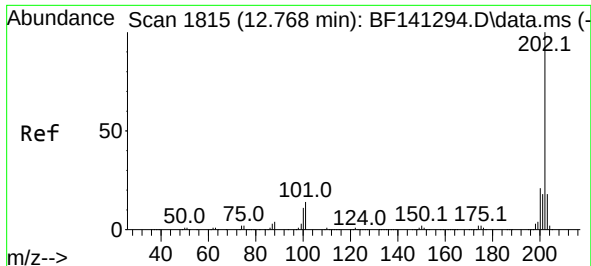
Tgt Ion:240 Resp: 288657
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.7 19.7 29.5



#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

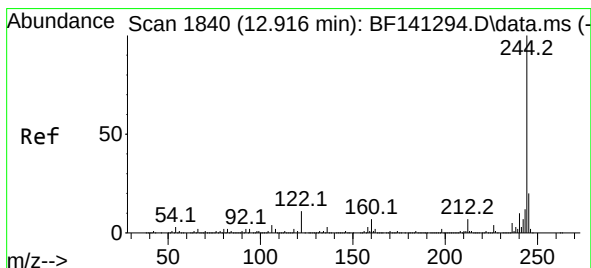
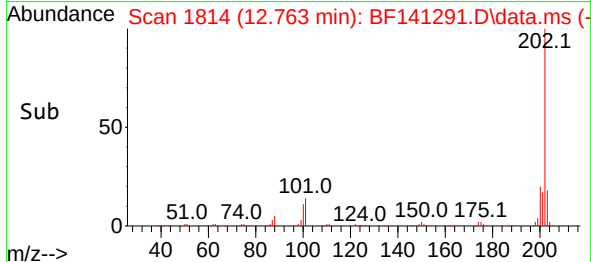
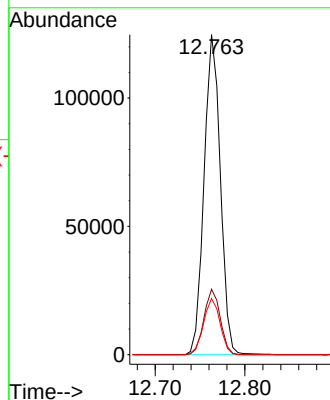
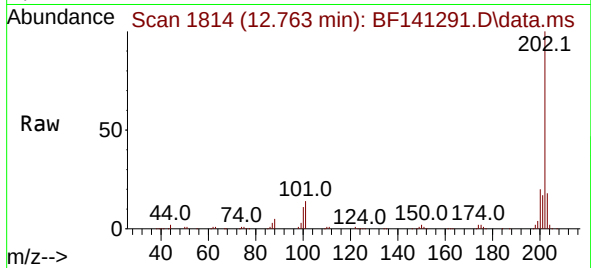




#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

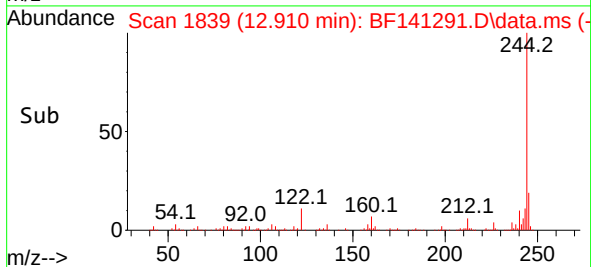
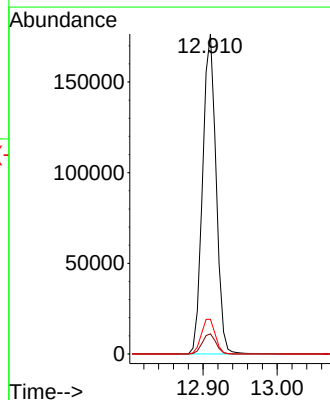
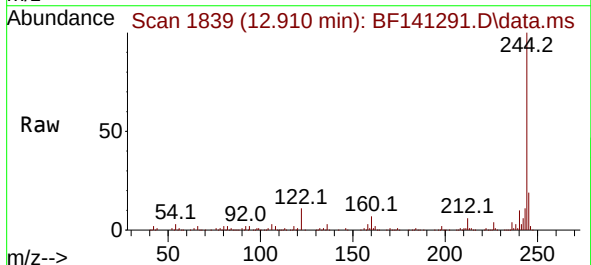
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

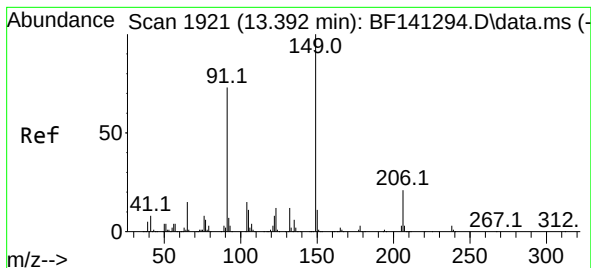
Tgt Ion:202 Resp: 157175
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.6 14.3 21.5



#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

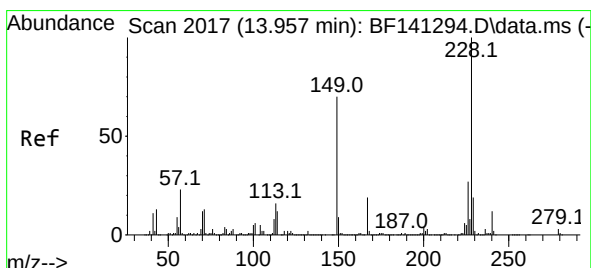
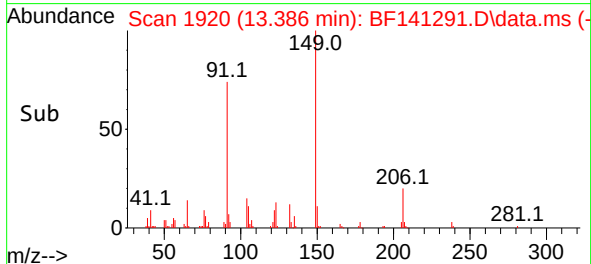
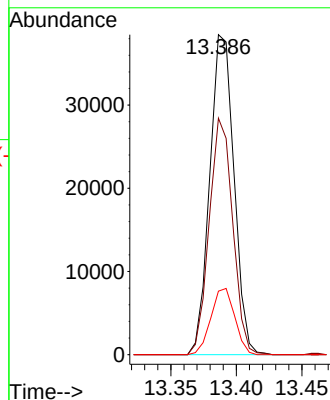
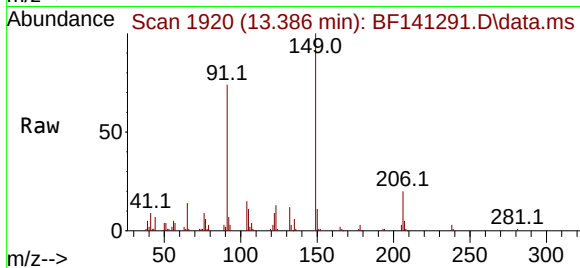
Instrument :

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

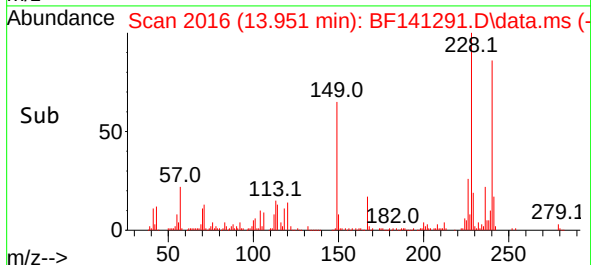
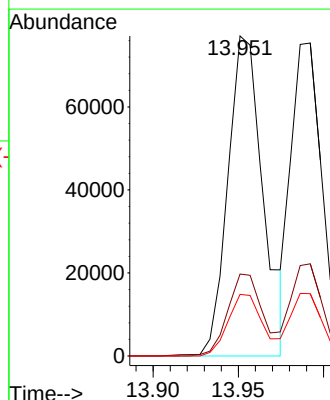
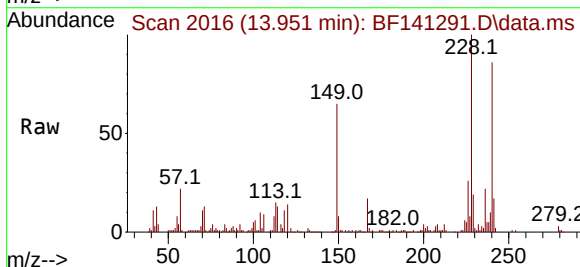
RT: 13.951 min Scan# 2016

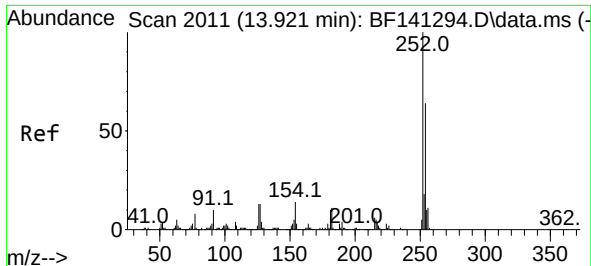
Delta R.T. -0.006 min

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

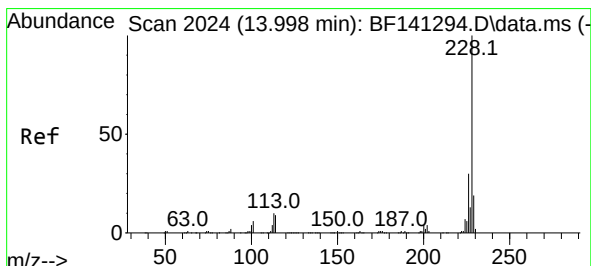
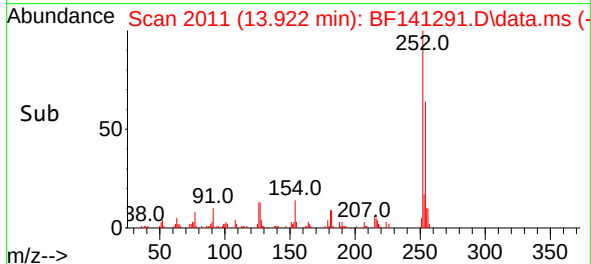
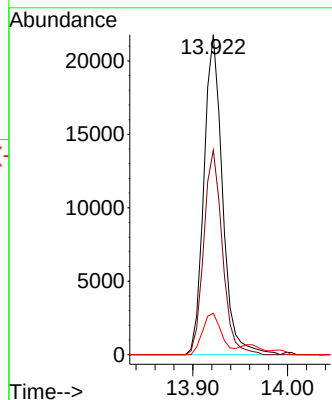
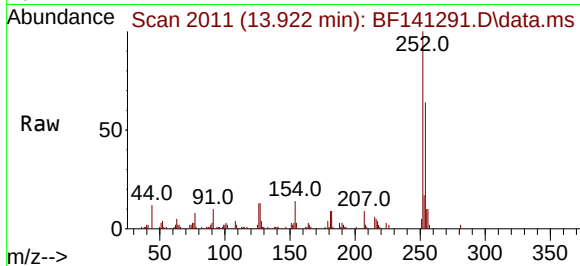




#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

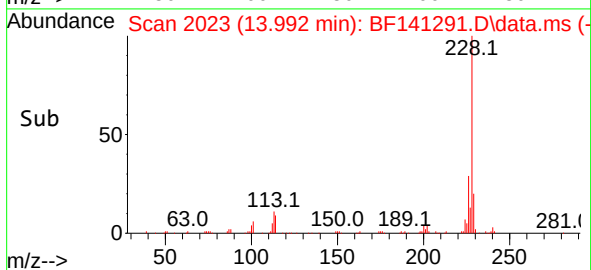
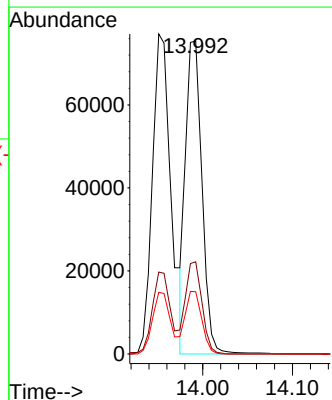
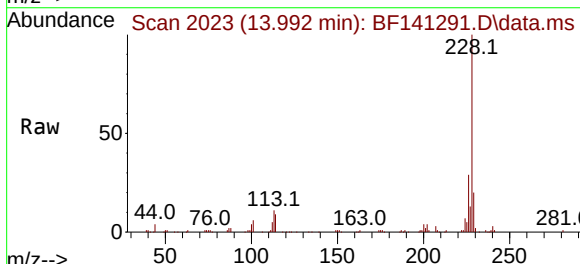
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

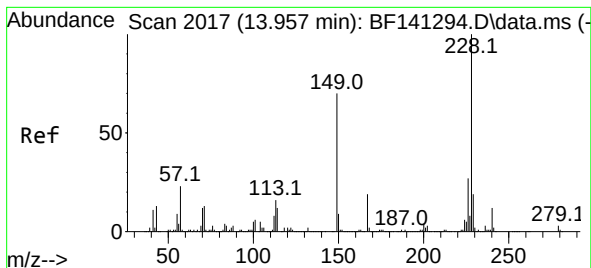
Tgt Ion:252 Resp: 29754
Ion Ratio Lower Upper
252 100
254 63.9 51.3 76.9
126 13.0 10.0 15.0



#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

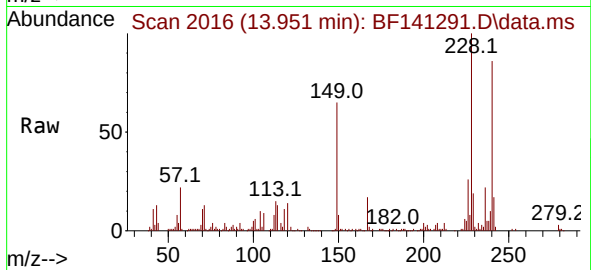
Tgt Ion:228 Resp: 96099
Ion Ratio Lower Upper
228 100
226 29.5 24.1 36.1
229 19.9 15.6 23.4



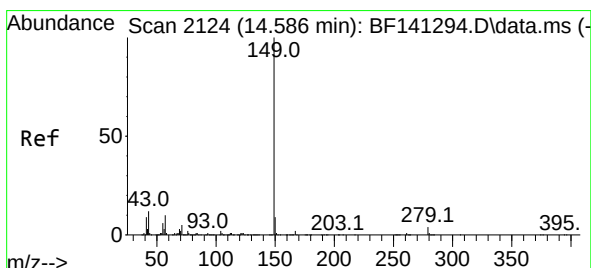
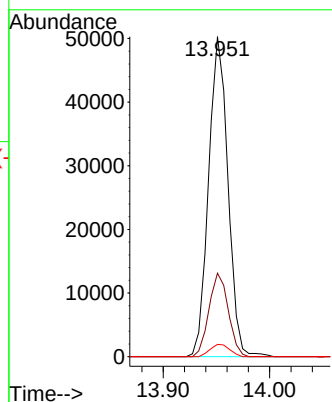
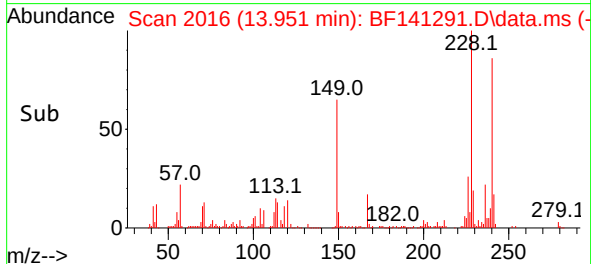


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

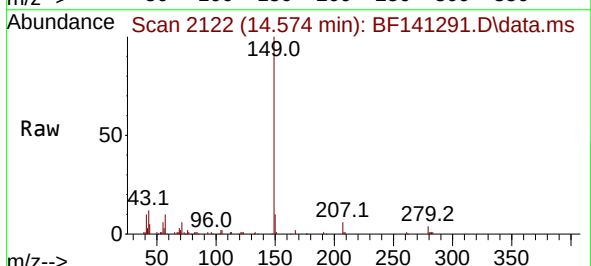
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



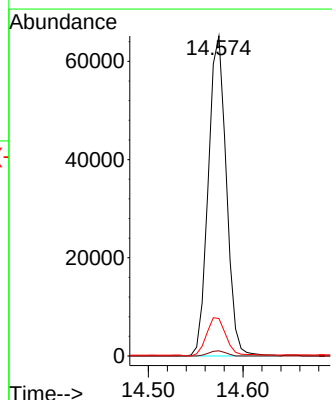
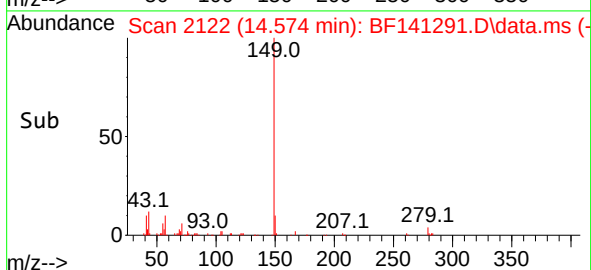
Tgt Ion:149 Resp: 63638
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.9 3.3 4.9

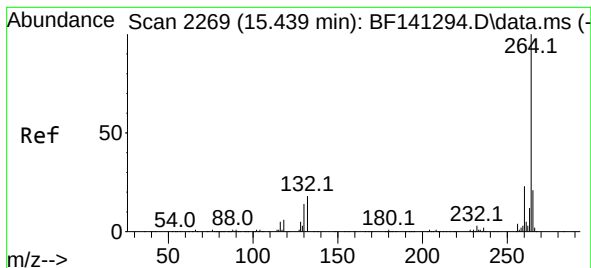


#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56



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# 21

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

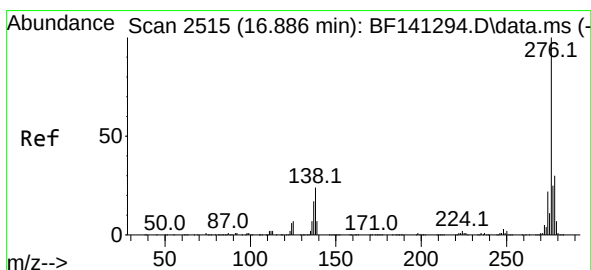
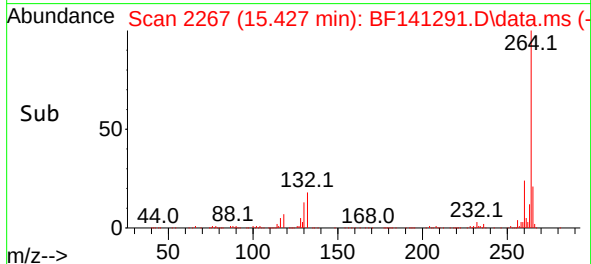
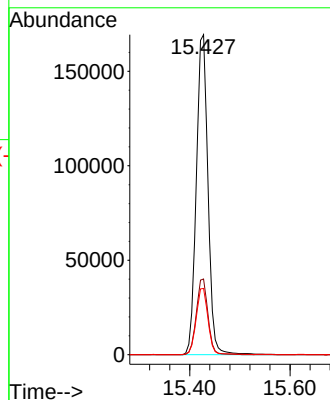
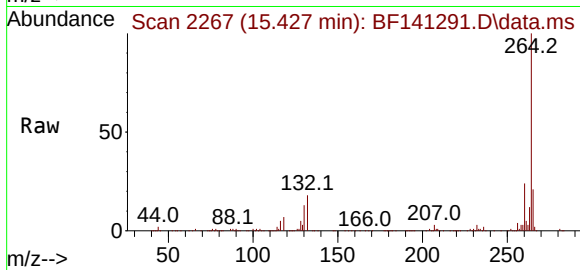
Tgt Ion:264 Resp: 273117

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

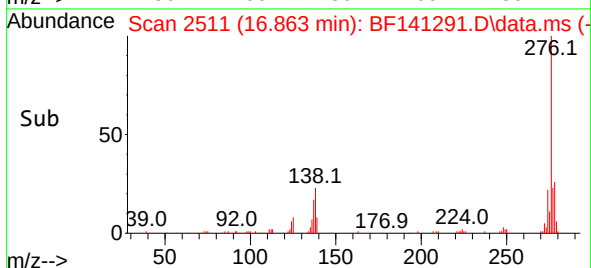
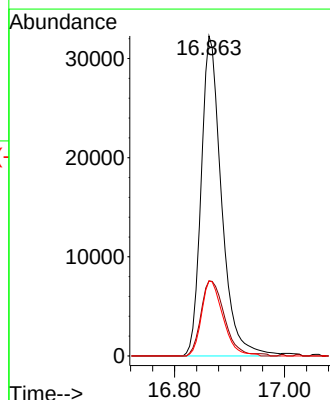
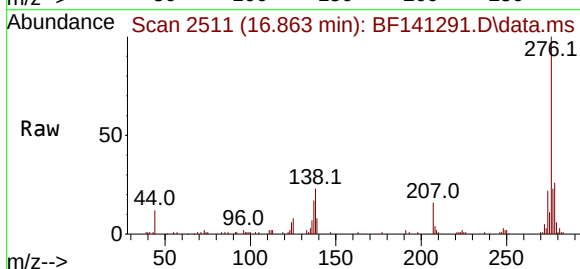
Tgt Ion:276 Resp: 83074

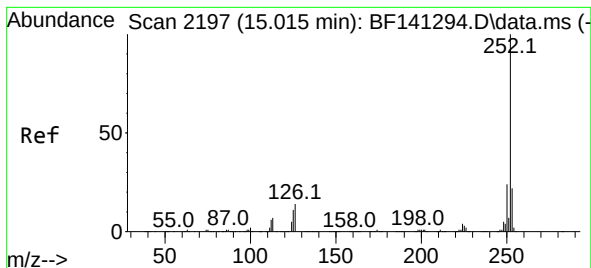
Ion Ratio Lower Upper

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

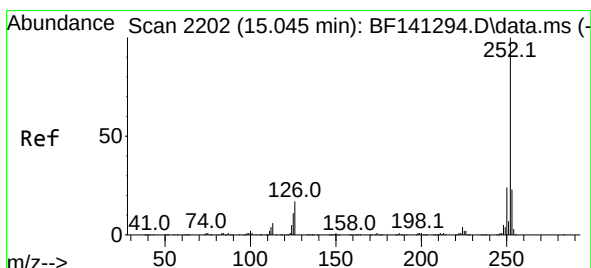
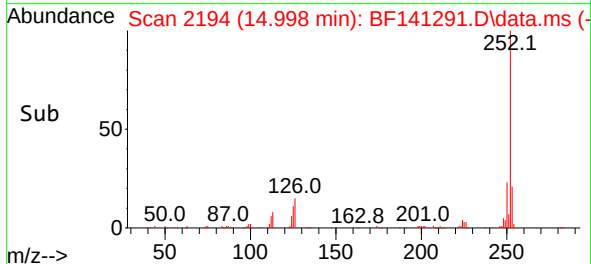
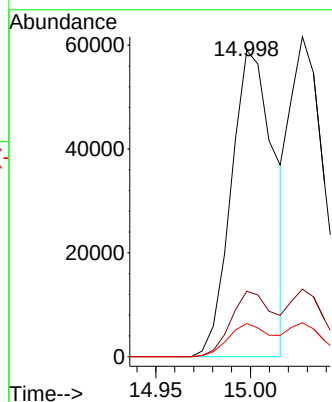
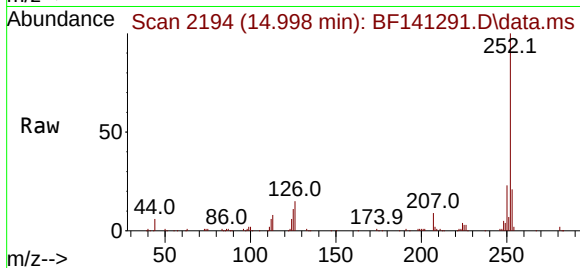
Tgt Ion:252 Resp: 92690

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

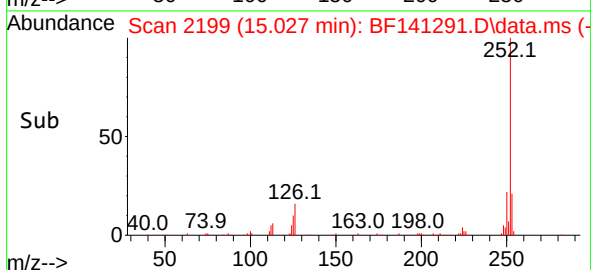
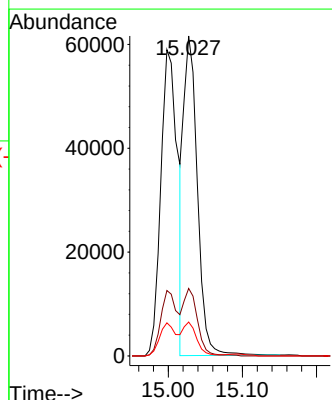
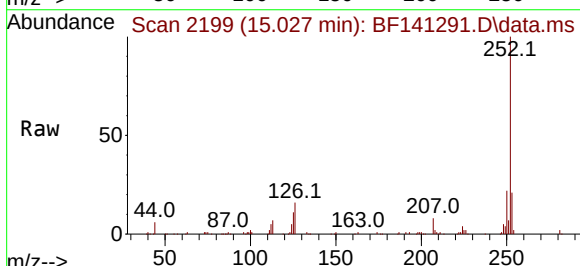
Tgt Ion:252 Resp: 79701

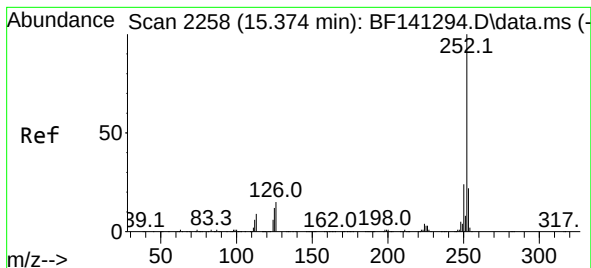
Ion Ratio Lower Upper

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

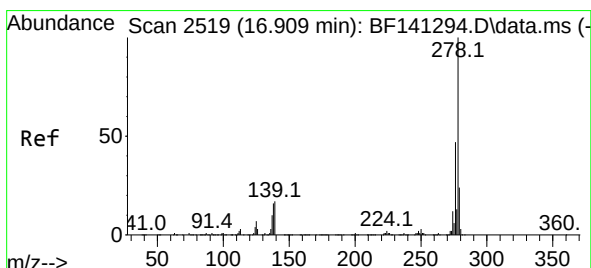
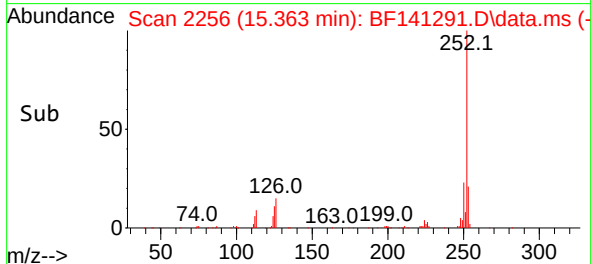
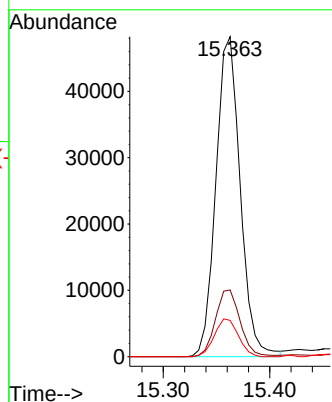
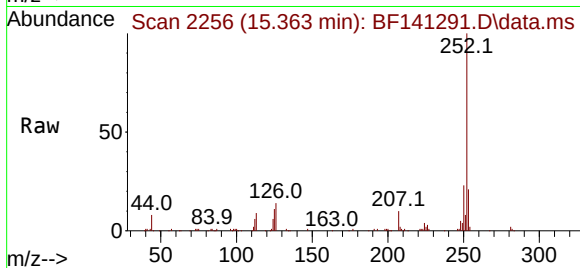
Tgt Ion:252 Resp: 76368

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

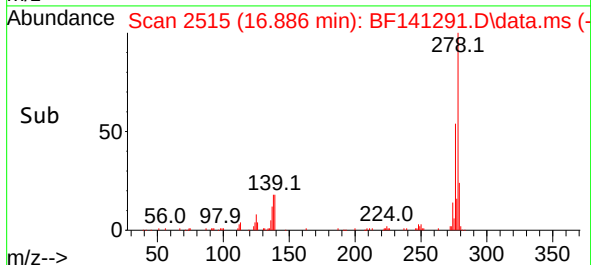
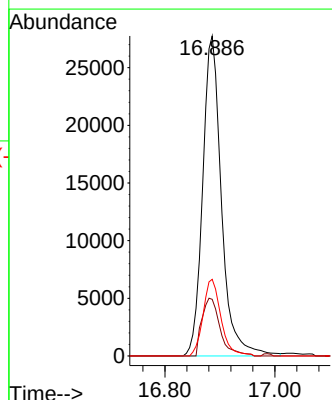
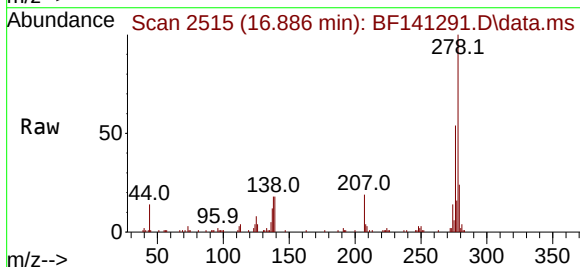
Tgt Ion:278 Resp: 65991

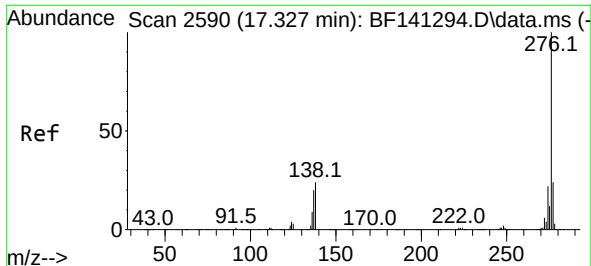
Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

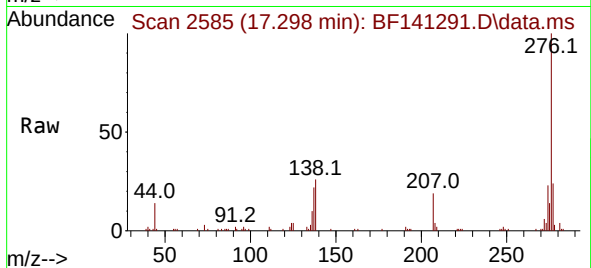
279 24.0 18.8 28.2



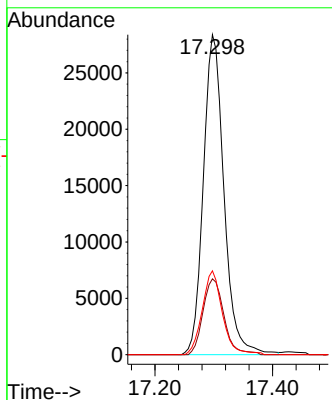
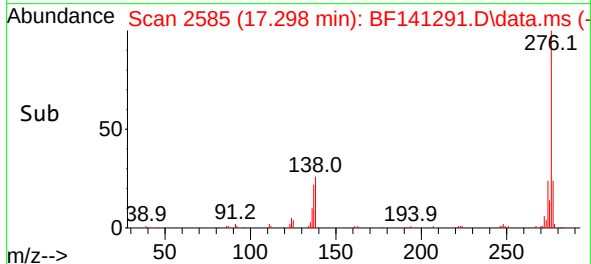


#92
 Benzo(g,h,i)perylene
 Concen: 4.591 ng
 RT: 17.298 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF141291.D
 Acq: 29 Jan 2025 10:56

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

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

Manual Integrations APPROVED

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

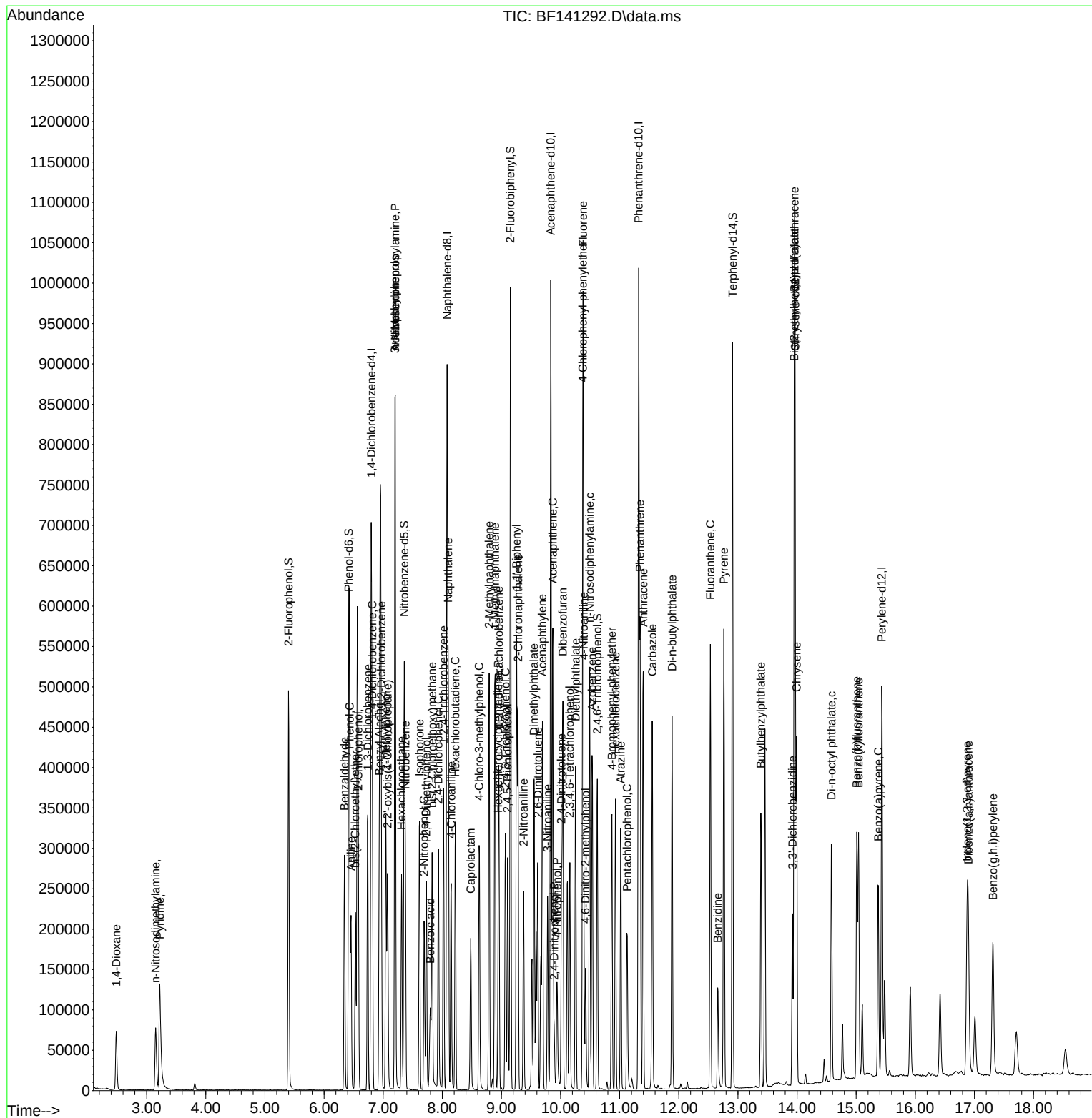
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
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

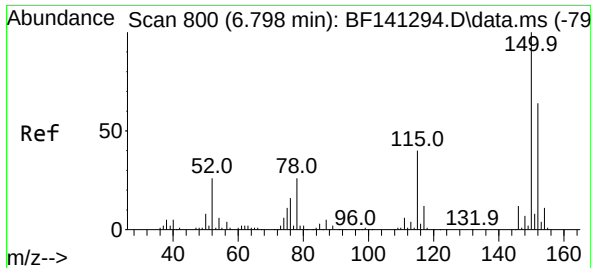
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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

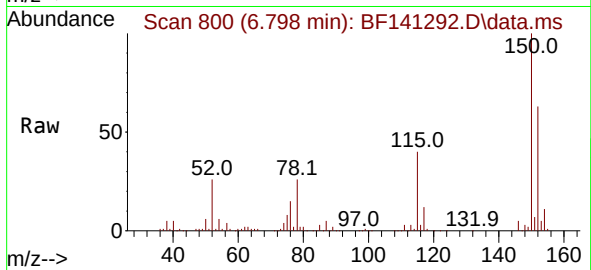
Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration





#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

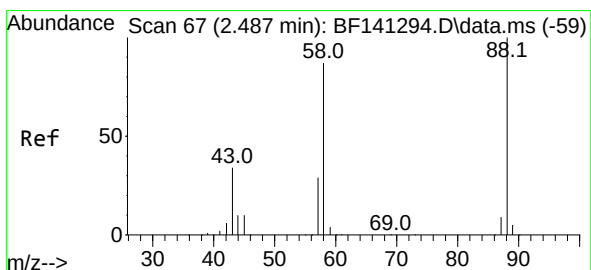
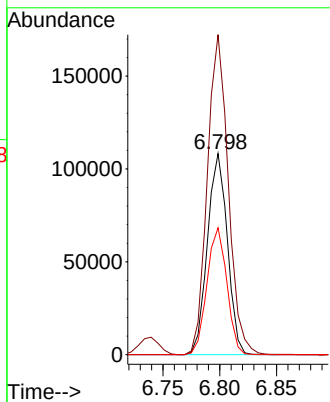
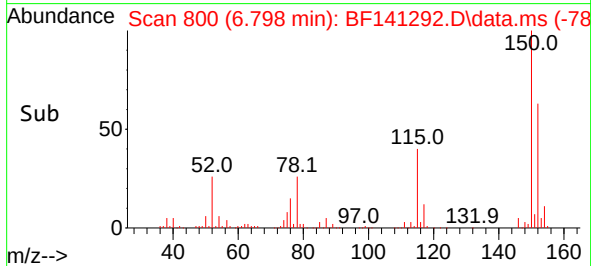
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



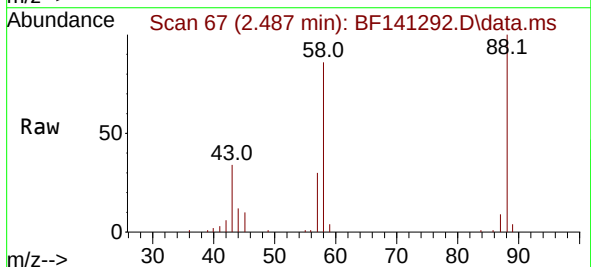
Tgt Ion:152 Resp: 132200
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 63.1 49.7 74.5

Manual Integrations
APPROVED

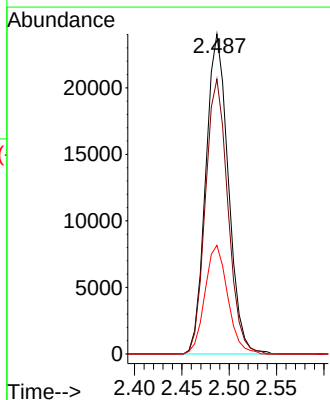
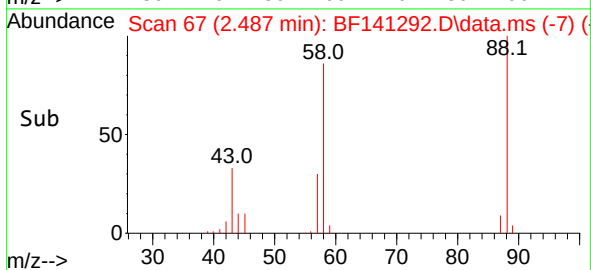
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

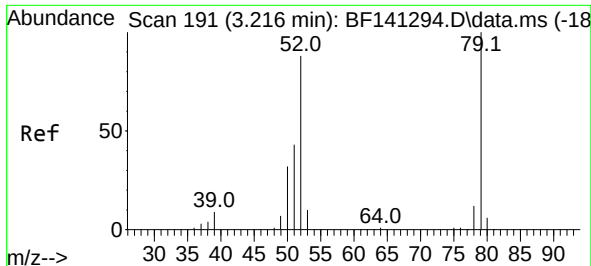


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



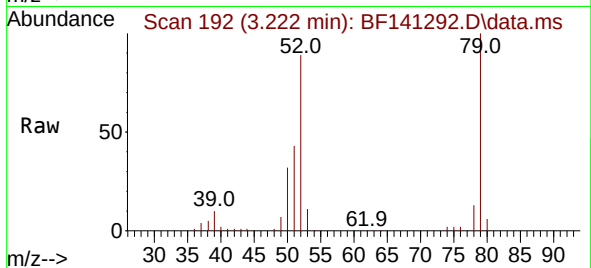
Tgt Ion: 88 Resp: 39830
Ion Ratio Lower Upper
88 100
58 85.5 70.2 105.4
43 34.3 27.6 41.4





#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

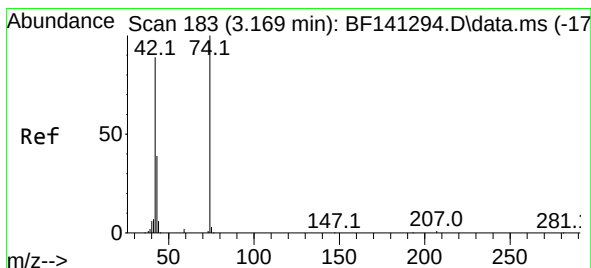
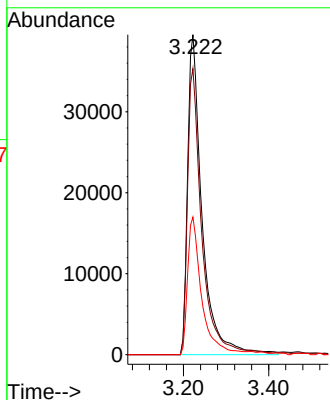
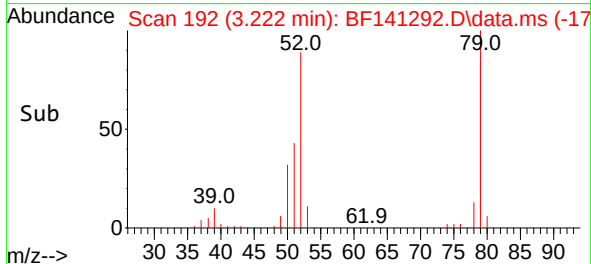
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



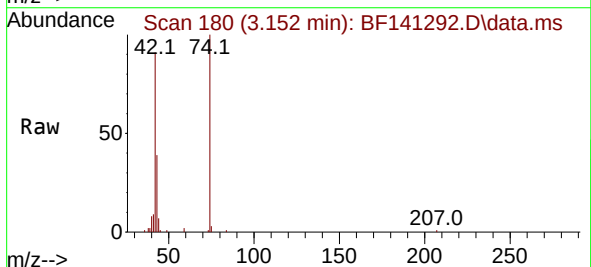
Tgt Ion: 79 Resp: 93170
Ion Ratio Lower Upper
79 100
52 89.4 70.3 105.5
51 43.0 34.3 51.5

Manual Integrations
APPROVED

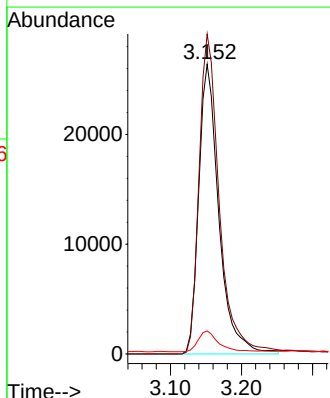
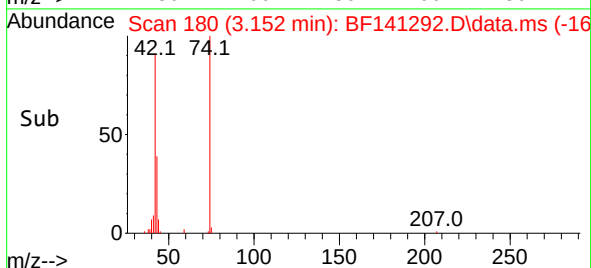
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

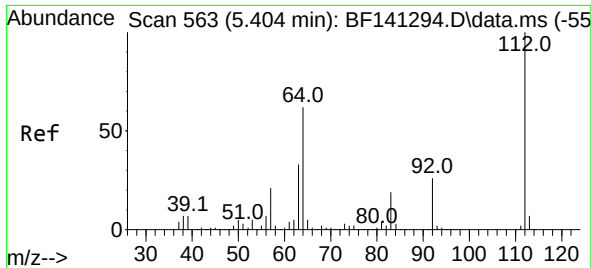


#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





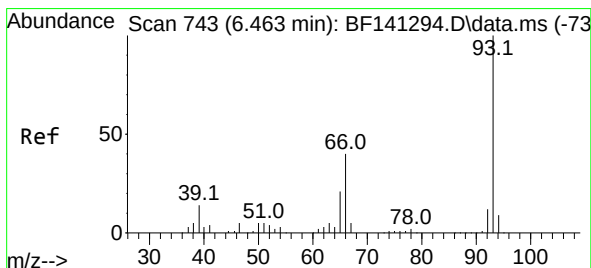
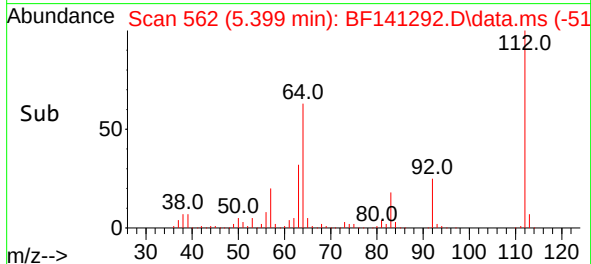
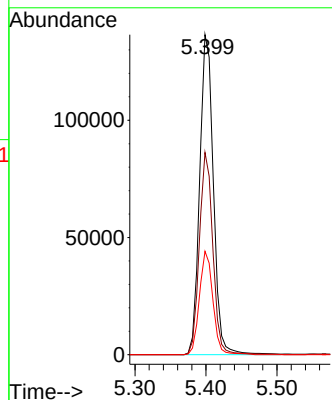
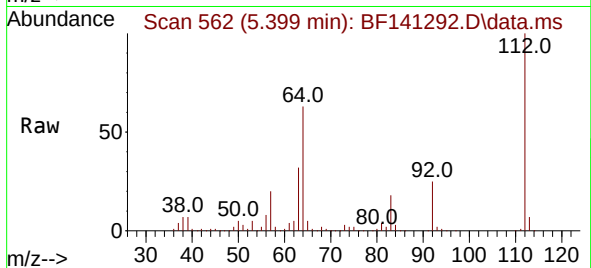
#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

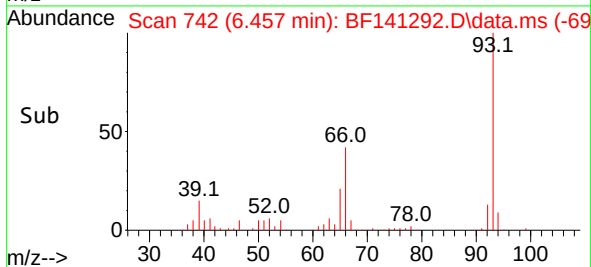
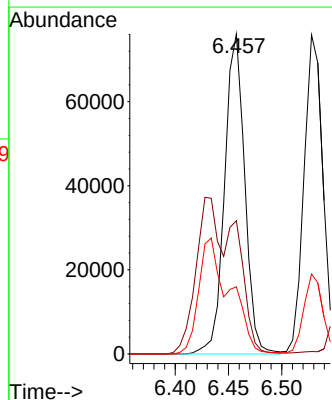
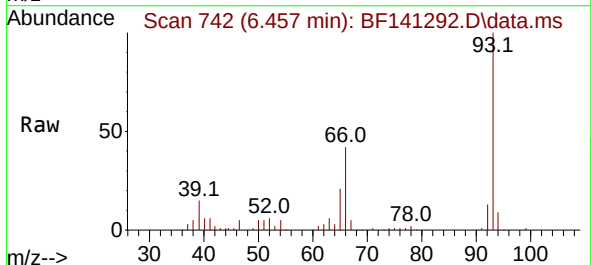
Manual Integrations
APPROVED

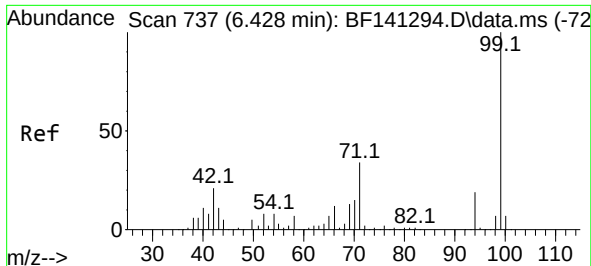
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





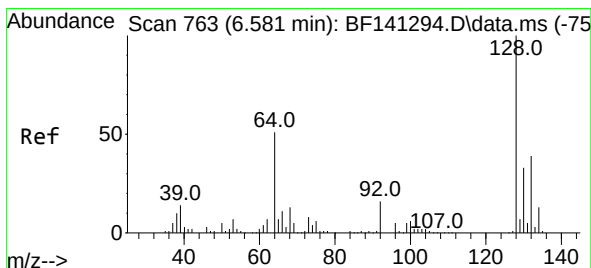
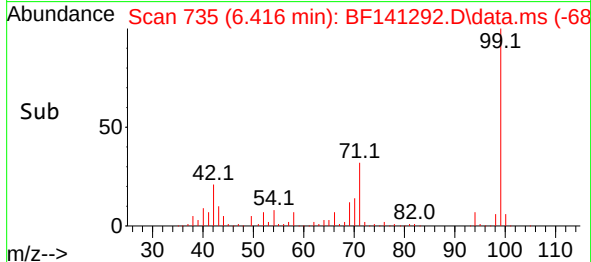
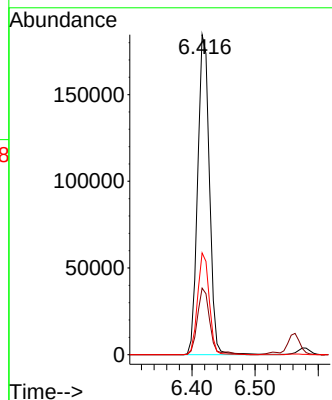
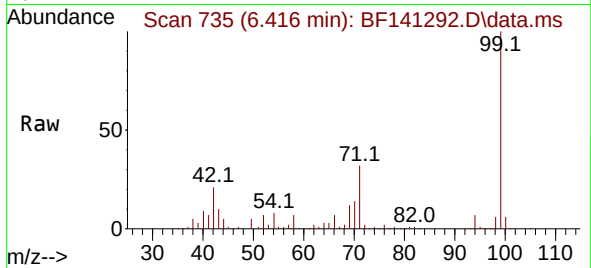
#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

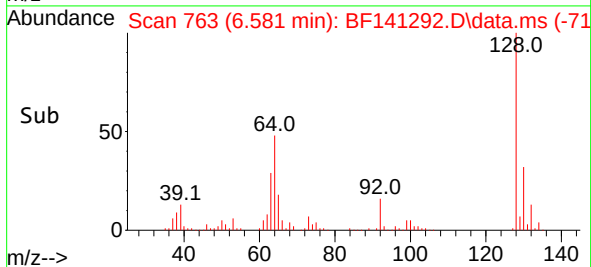
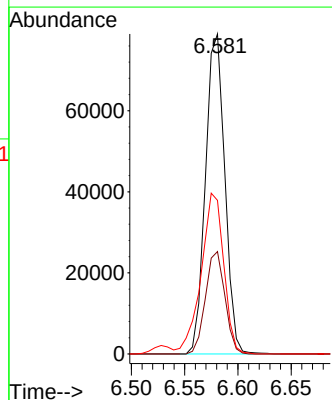
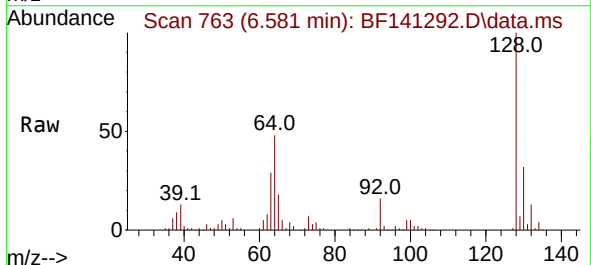
Manual Integrations
APPROVED

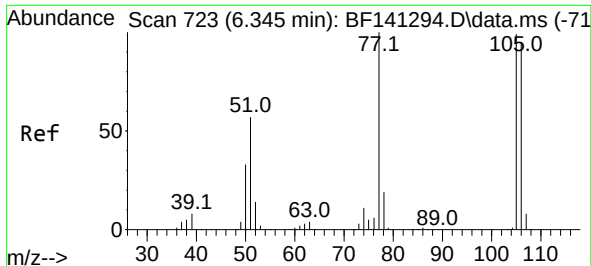
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

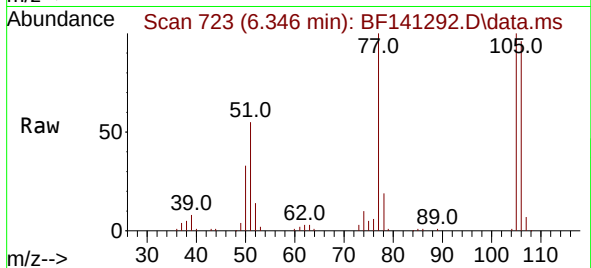
Tgt Ion:128 Resp: 99805
Ion Ratio Lower Upper
128 100
130 32.0 12.5 52.5
64 48.0 32.9 72.9





#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

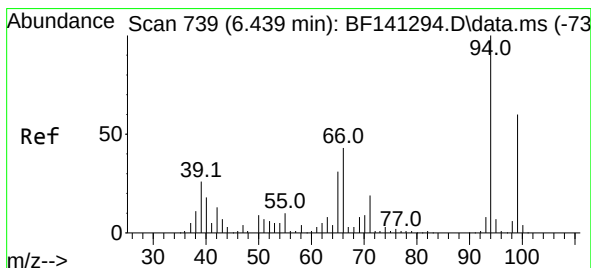
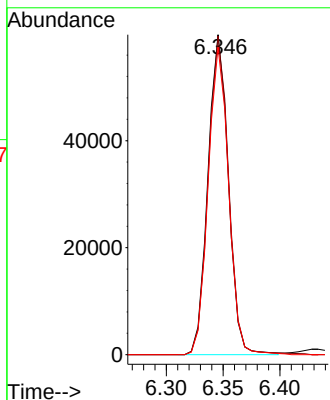
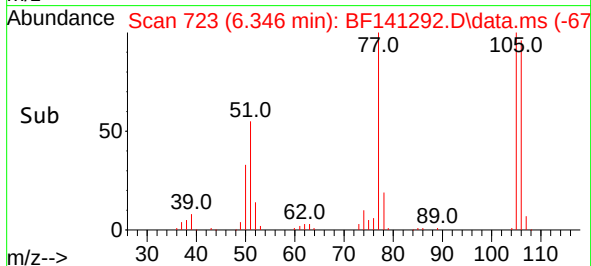
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



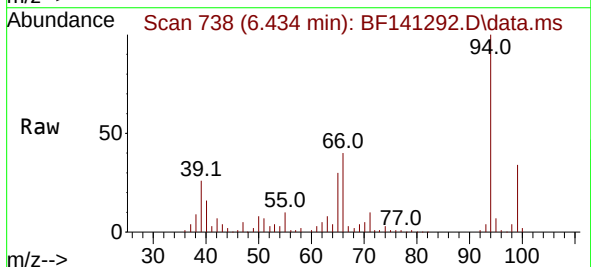
Tgt Ion: 77 Resp: 74679
Ion Ratio Lower Upper
77 100
105 99.6 79.4 119.4
106 96.1 74.6 114.6

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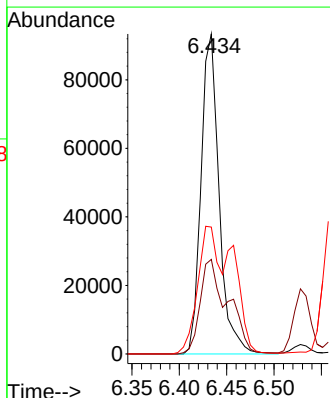
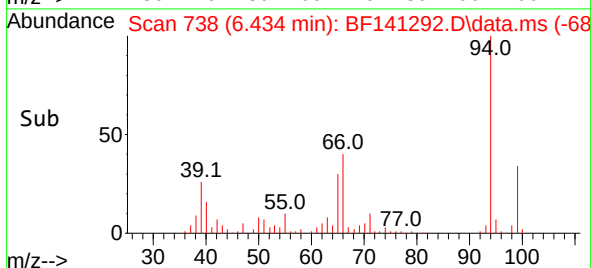
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

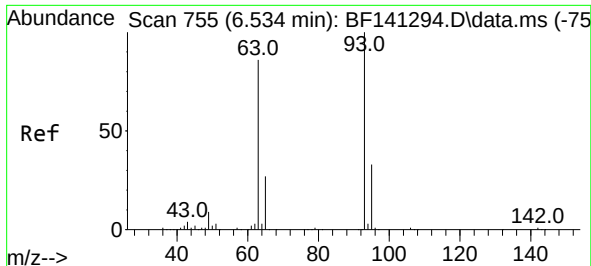


#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion: 94 Resp: 124196
Ion Ratio Lower Upper
94 100
65 29.5 10.8 50.8
66 39.7 23.3 63.3





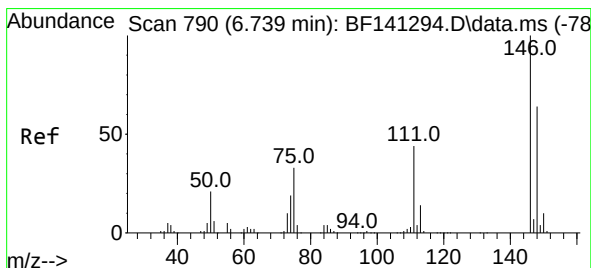
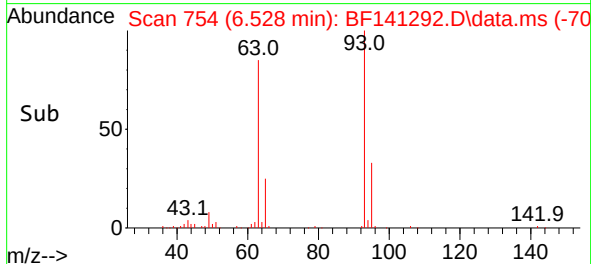
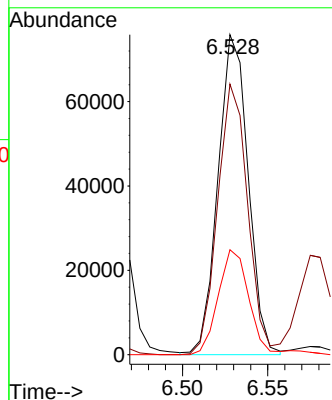
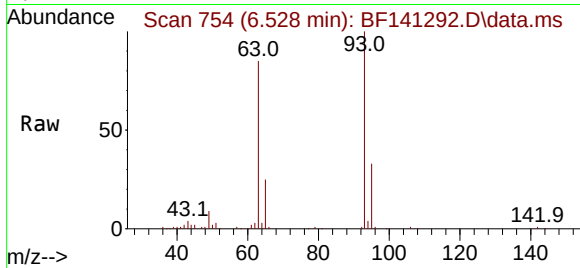
#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

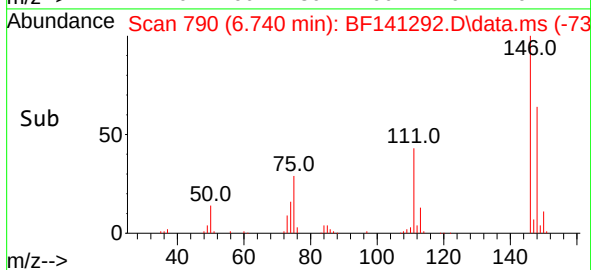
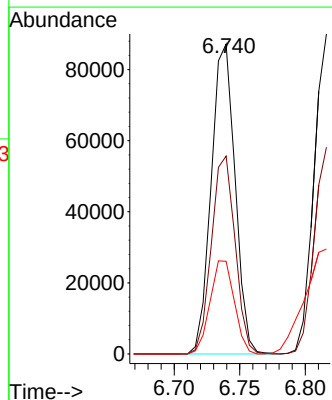
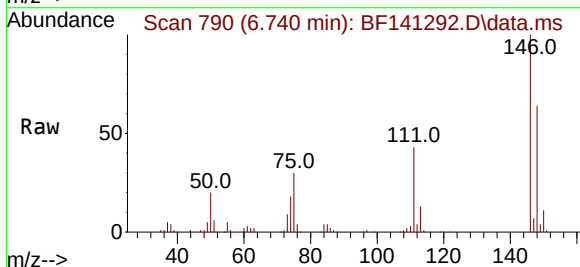
Manual Integrations
APPROVED

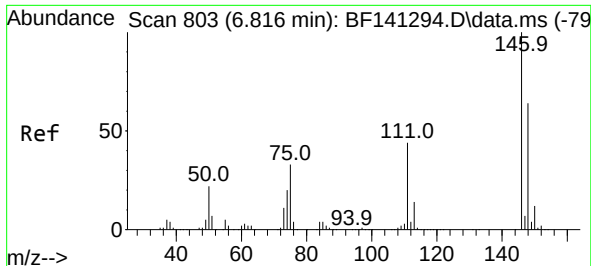
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

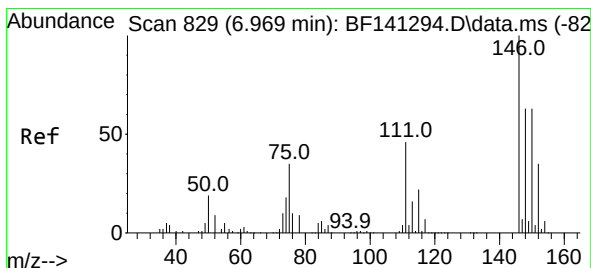
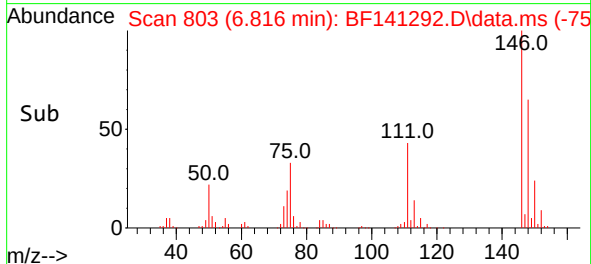
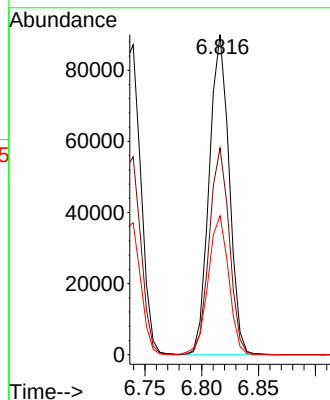
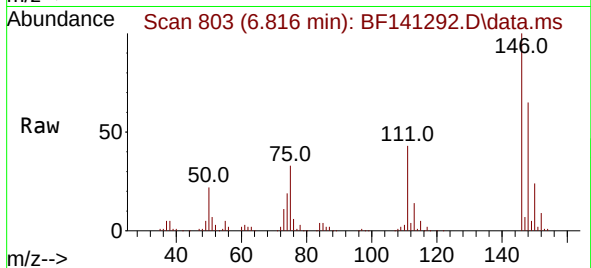
111 43.4 35.0 52.4

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

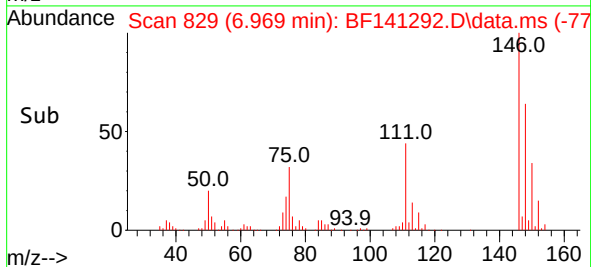
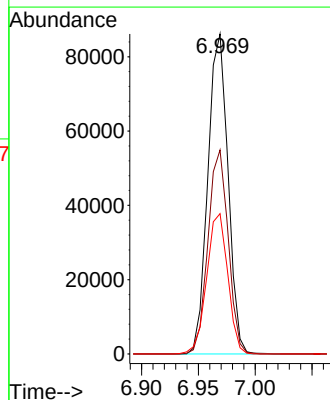
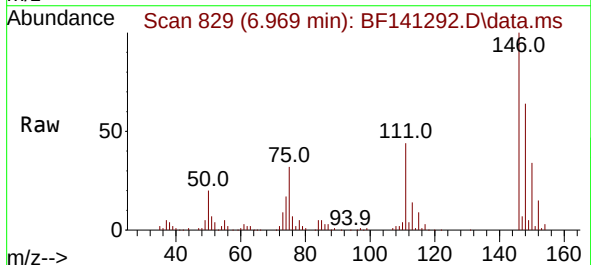
Tgt Ion:146 Resp: 106335

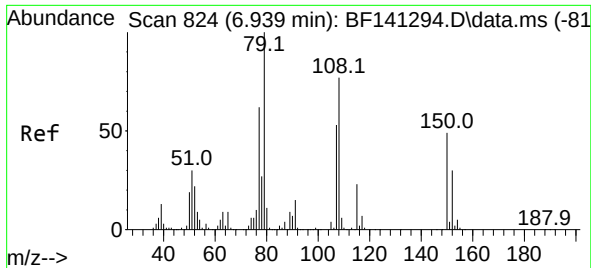
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

111 43.8 36.6 55.0





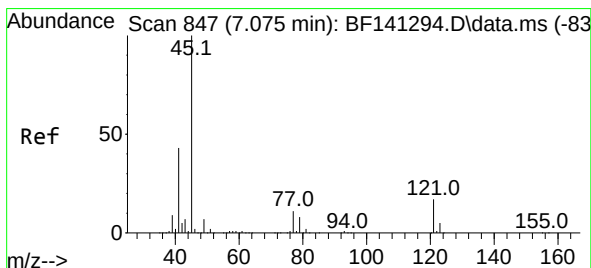
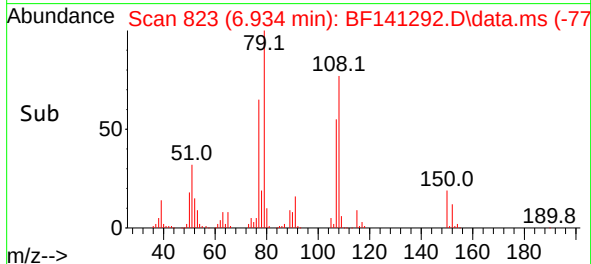
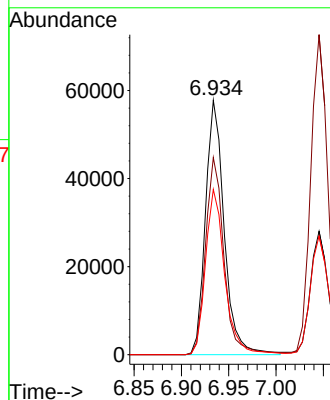
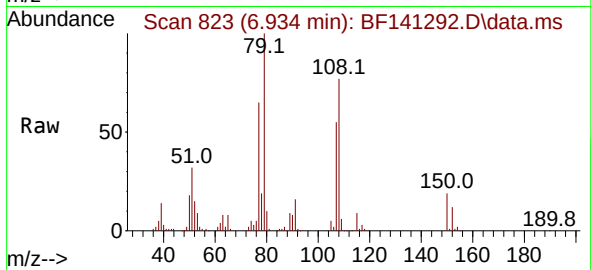
#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

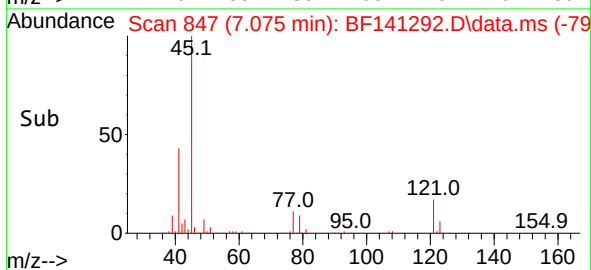
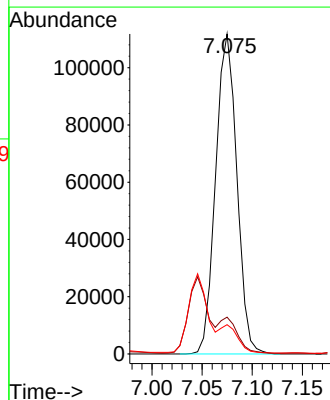
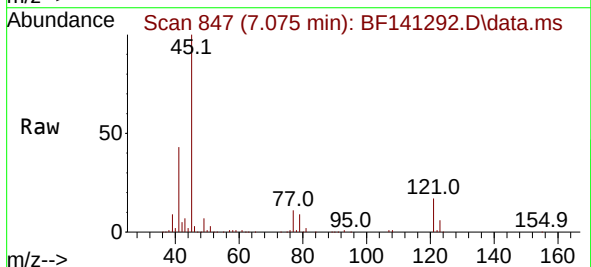
Manual Integrations
APPROVED

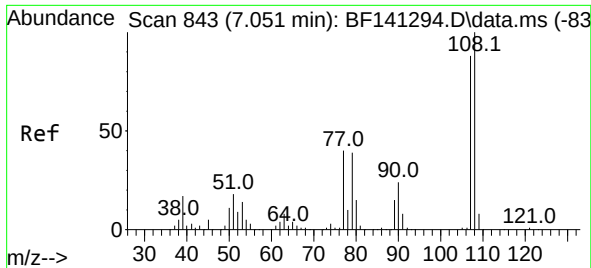
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

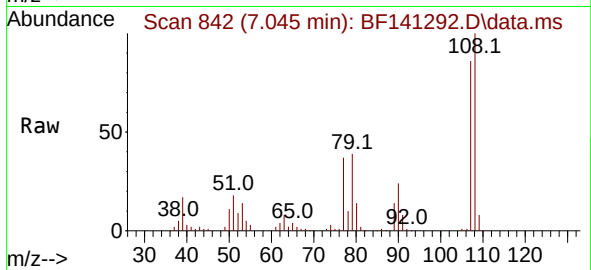
Tgt Ion: 45 Resp: 164185
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.2 0.0 29.1





#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

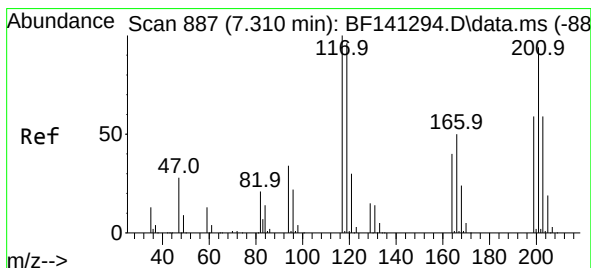
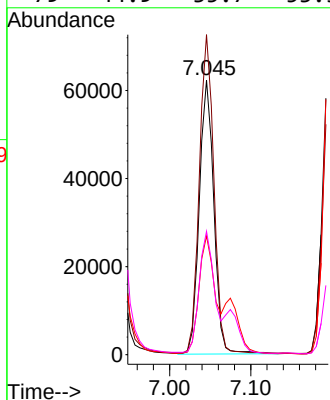
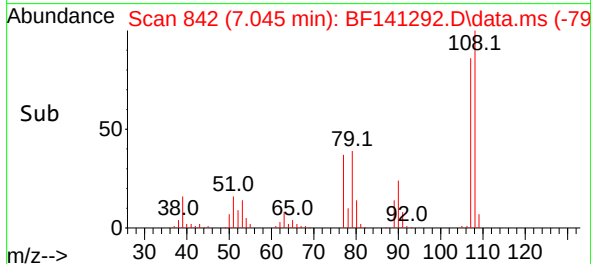
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



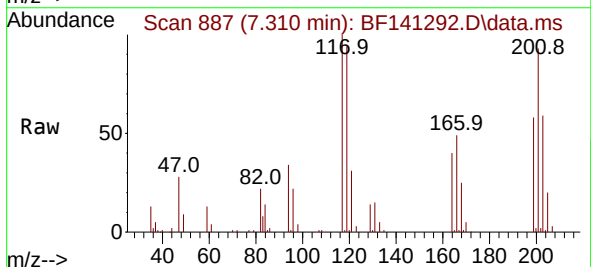
Tgt Ion:107 Resp: 7764
Ion Ratio Lower Upper
107 100
108 116.6 90.8 136.2
77 43.3 36.2 54.4
79 44.9 35.7 53.5

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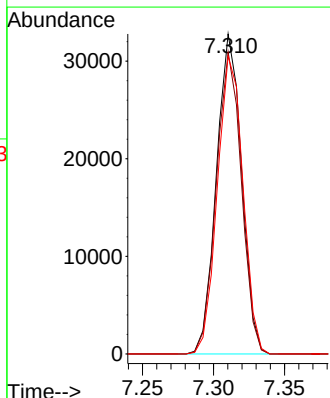
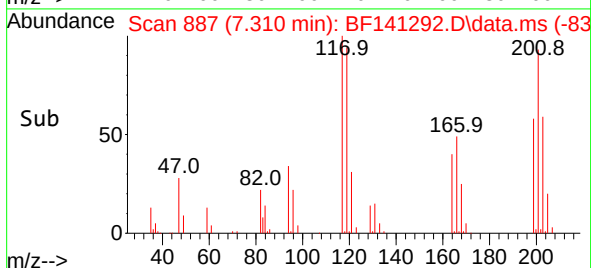
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

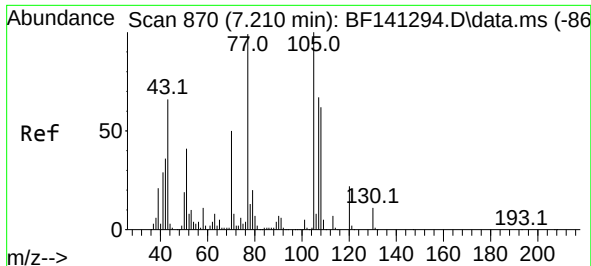


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





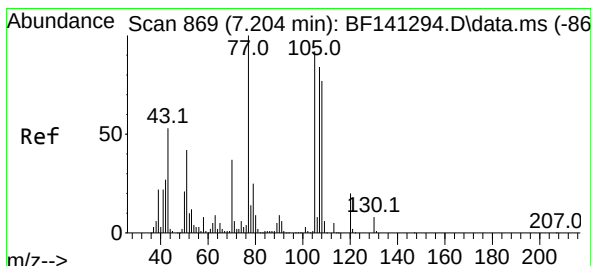
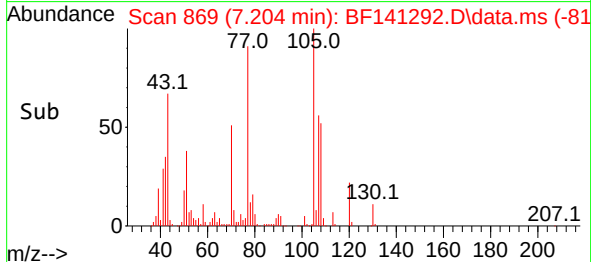
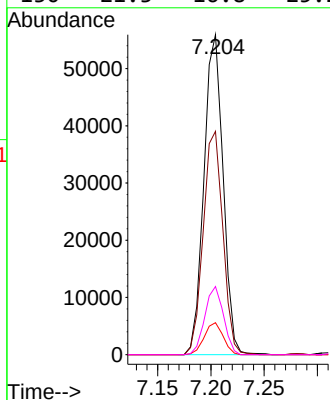
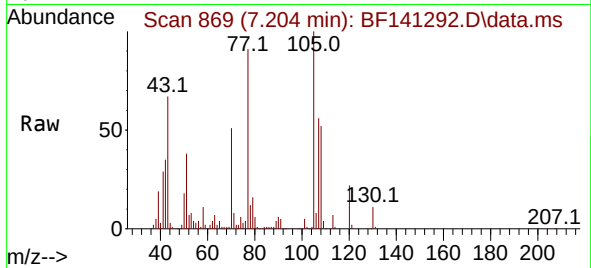
#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

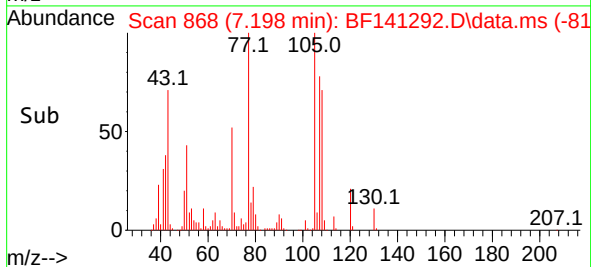
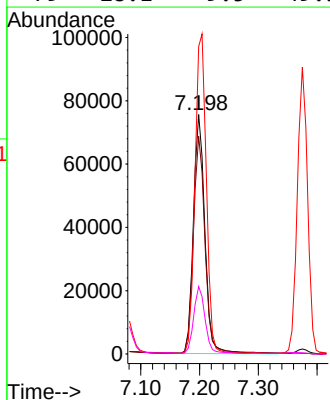
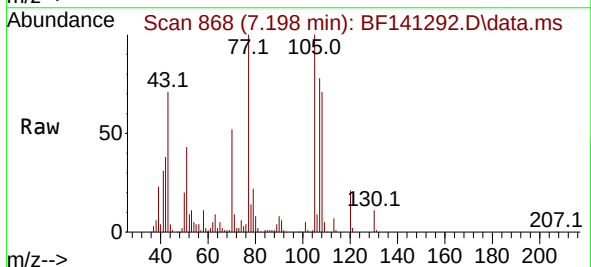
Manual Integrations
APPROVED

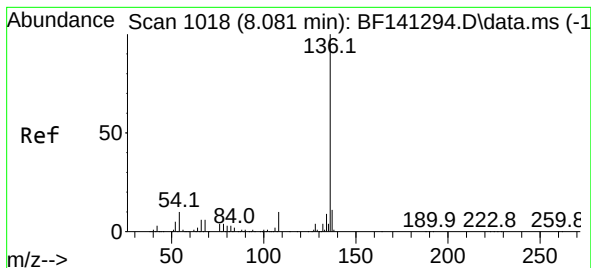
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

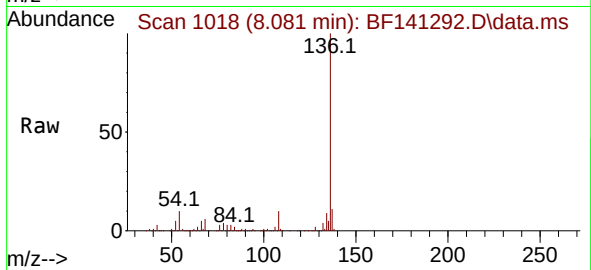
Tgt Ion:107 Resp: 103360
Ion Ratio Lower Upper
107 100
108 91.0 70.9 110.9
77 128.4 98.5 138.5
79 28.1 9.5 49.5





#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

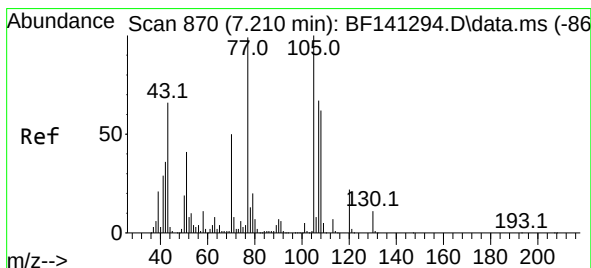
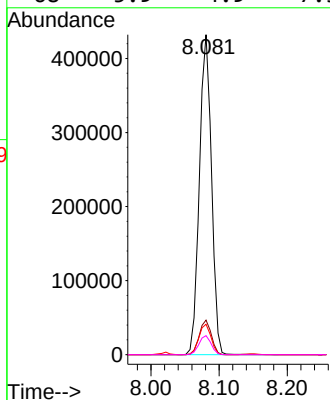
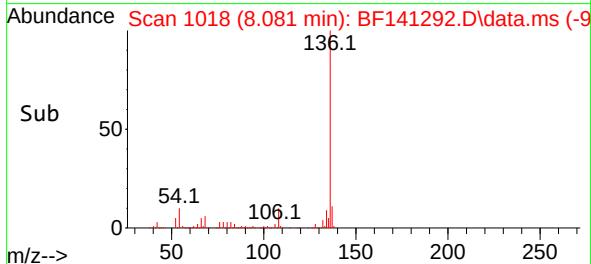
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



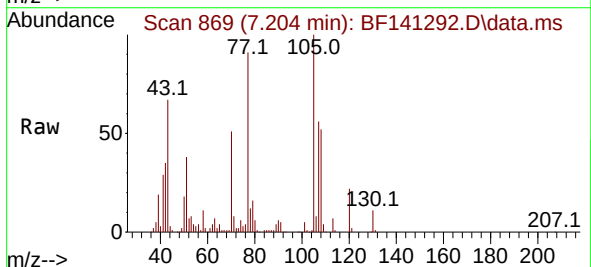
Tgt Ion:	136	Resp:	533320
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3

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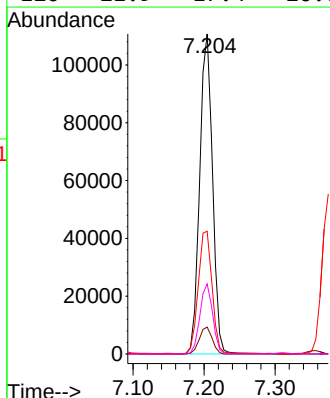
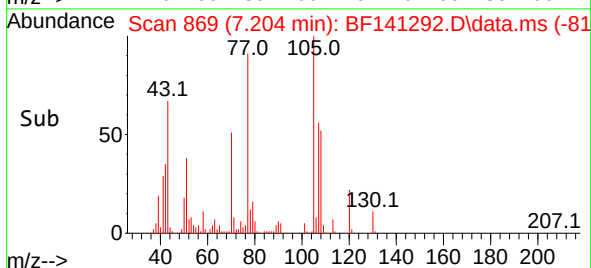
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

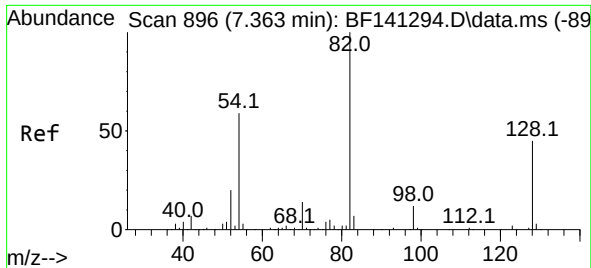


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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 :

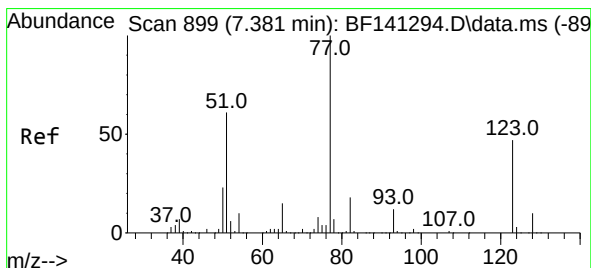
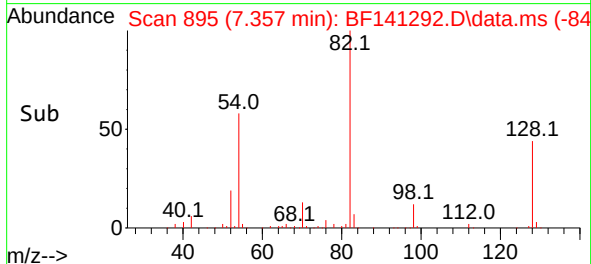
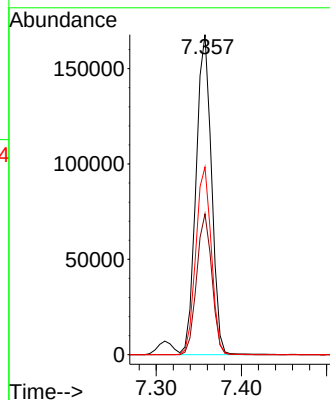
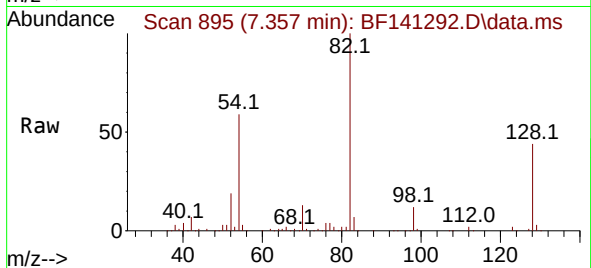
SSTDICC010

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
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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

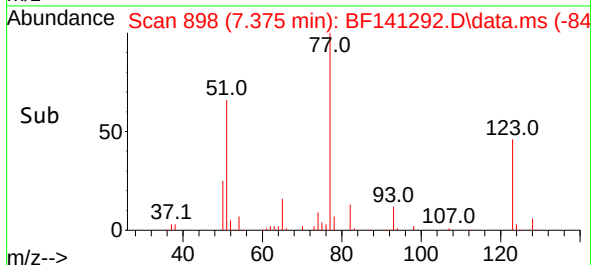
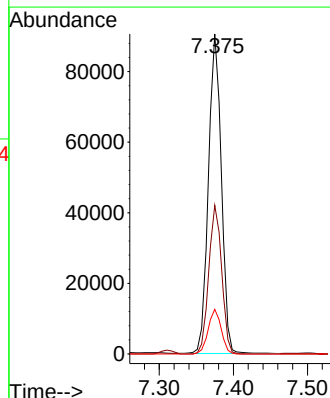
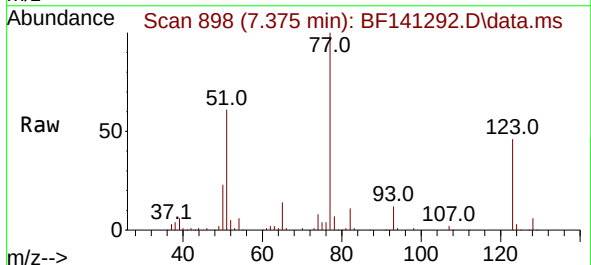
Delta R.T. -0.006 min

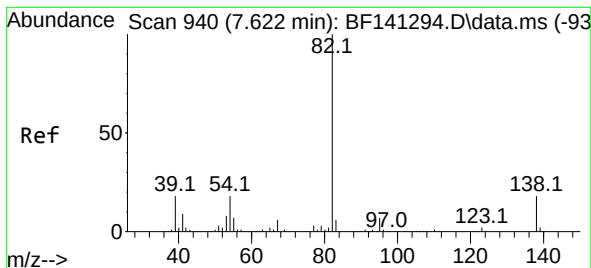
Lab File: BF141292.D

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

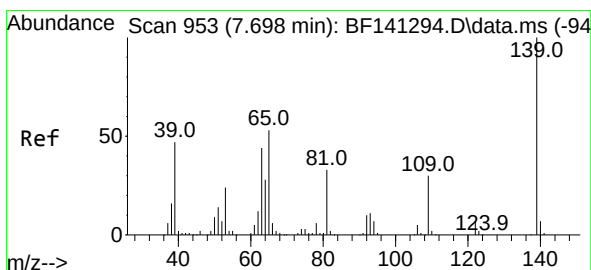
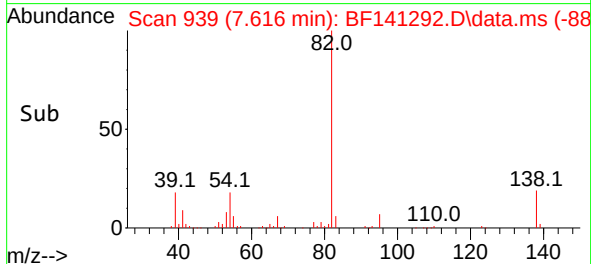
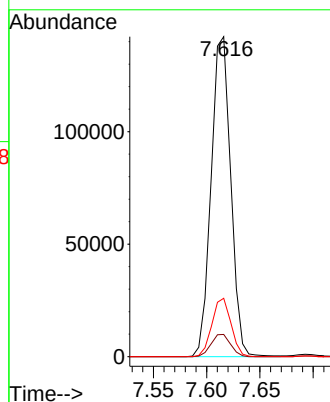
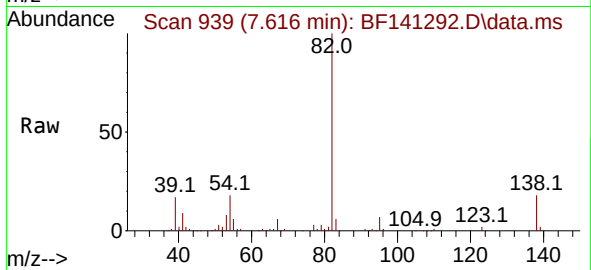
ClientSampleId :

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
 APPROVED

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



#26

2-Nitrophenol

Concen: 10.167 ng

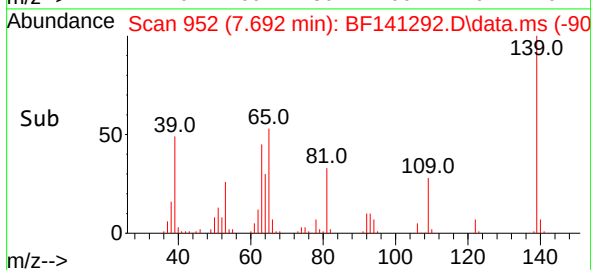
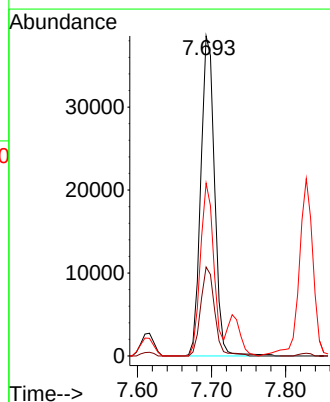
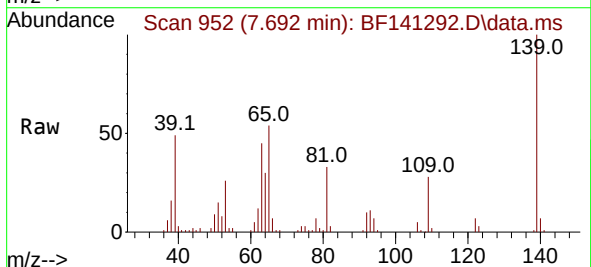
RT: 7.692 min Scan# 952

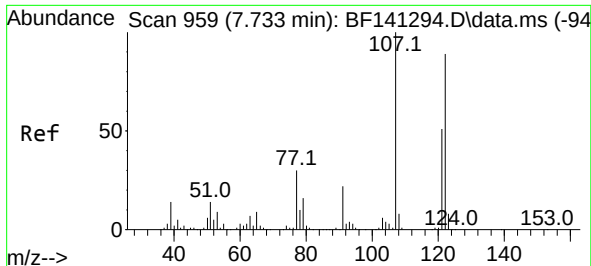
Delta R.T. -0.006 min

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

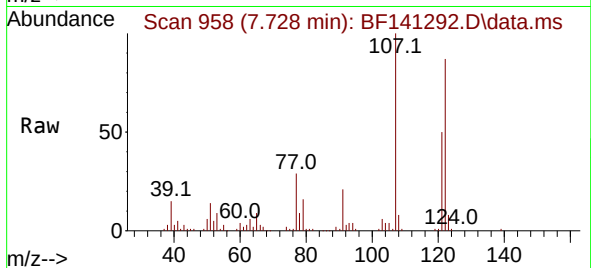
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



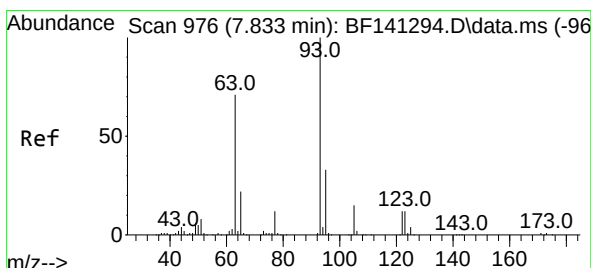
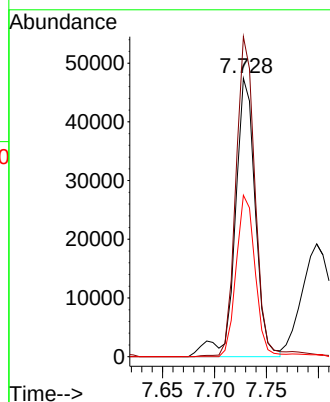
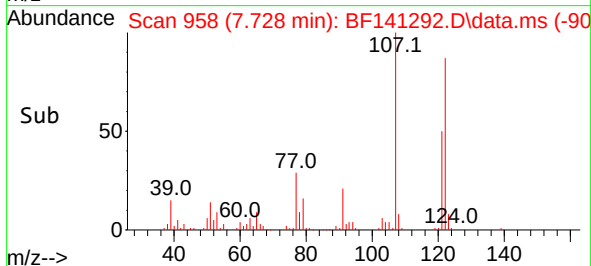
Tgt Ion:	122	Resp:	6368
Ion Ratio	Lower	Upper	
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.561 ng

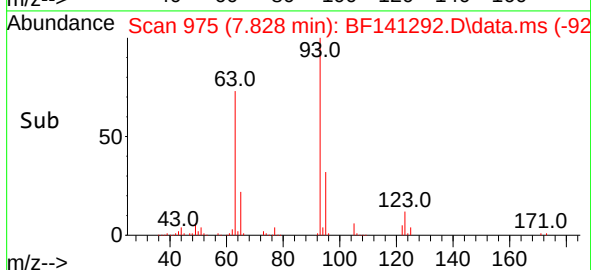
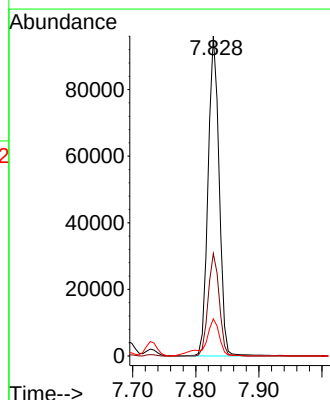
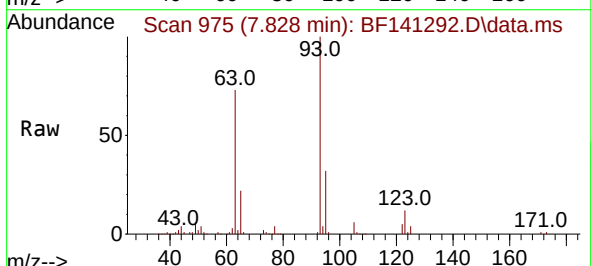
RT: 7.828 min Scan# 975

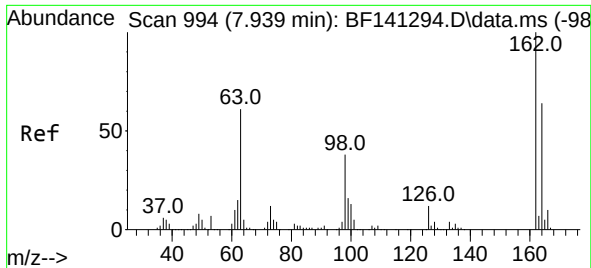
Delta R.T. -0.006 min

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

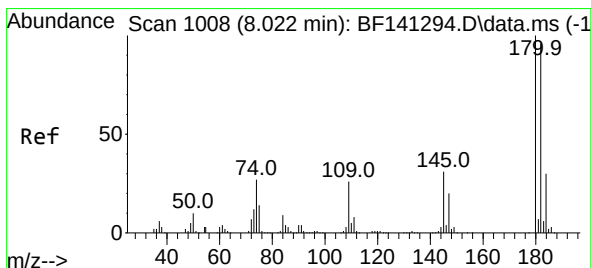
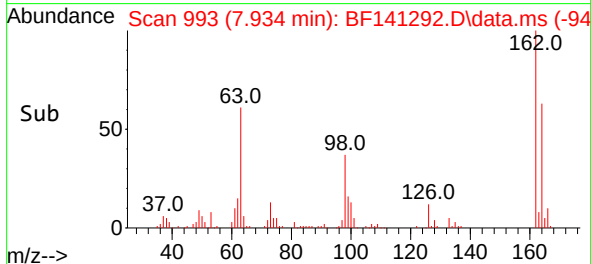
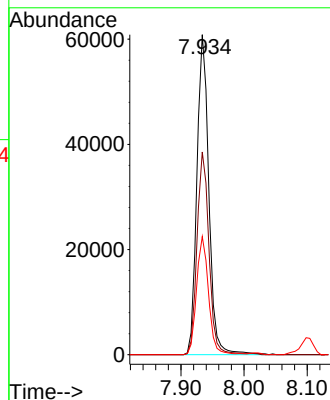
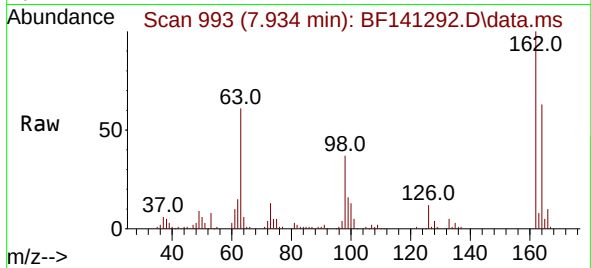
Tgt Ion:162	Resp:	79949
Ion Ratio	Lower	Upper
162	100	
164	63.4	44.2 84.2
98	36.9	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.767 ng

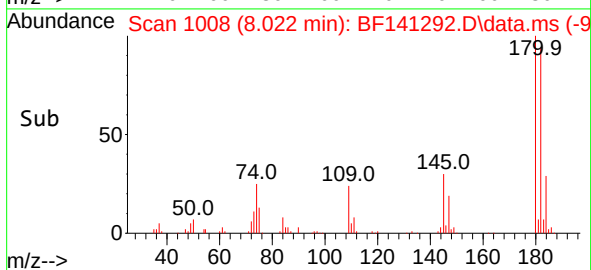
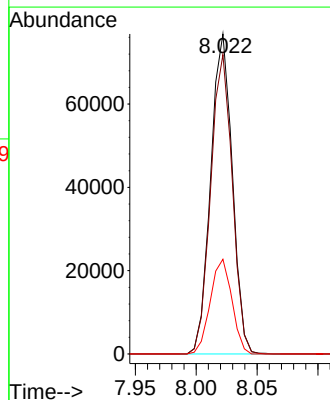
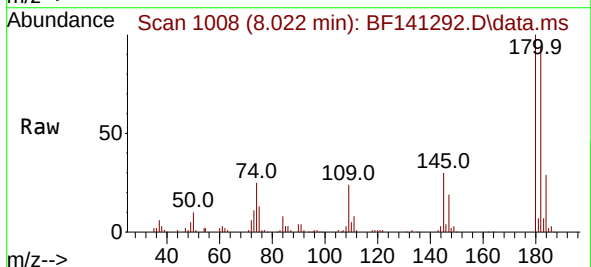
RT: 8.022 min Scan# 1008

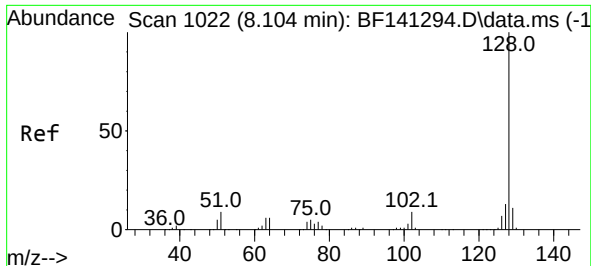
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

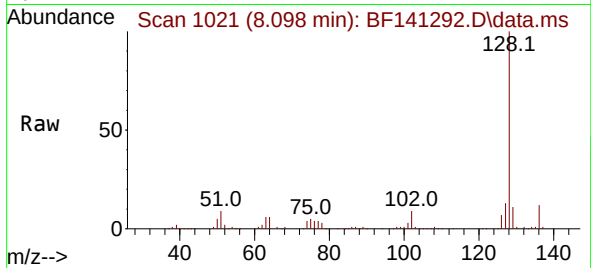
Tgt Ion:180	Resp:	94419
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.4 114.6
145	29.6	24.9 37.3





#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

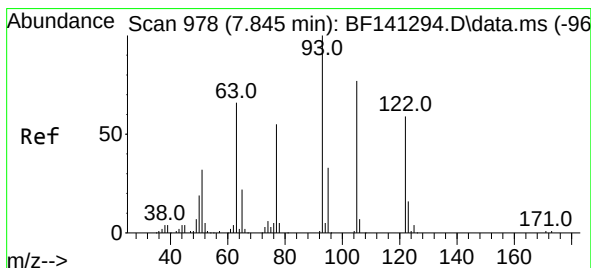
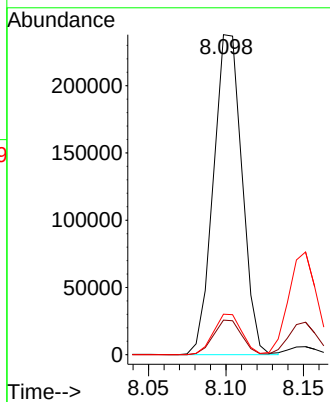
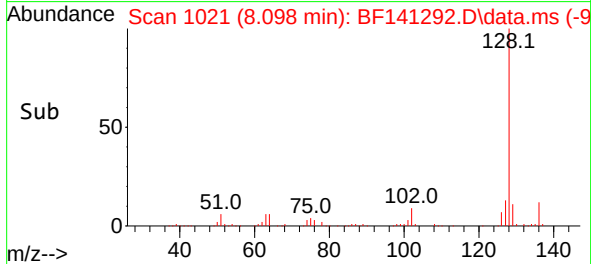
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

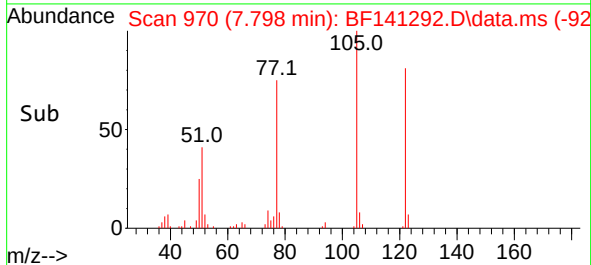
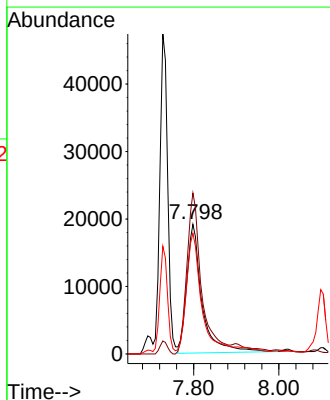
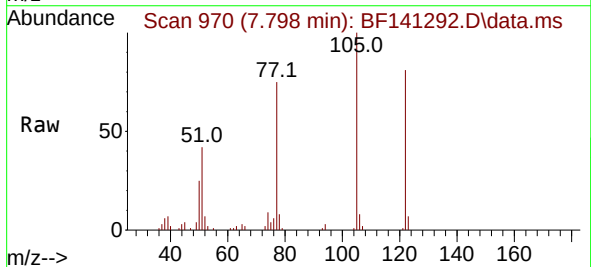
Manual Integrations
APPROVED

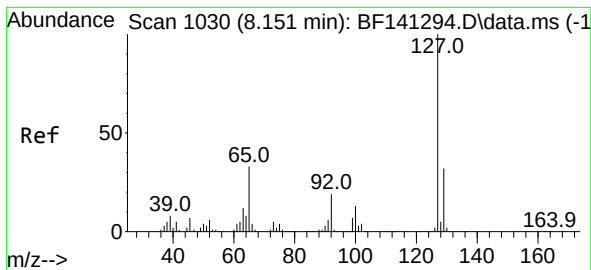
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

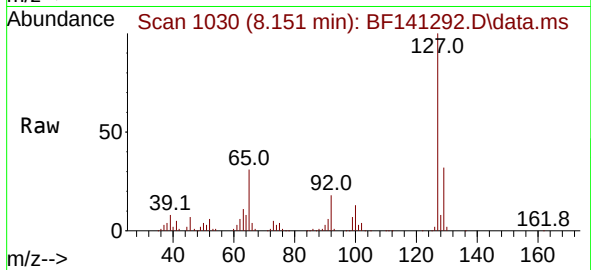
Tgt Ion:122 Resp: 47549
Ion Ratio Lower Upper
122 100
105 124.1 103.4 143.4
77 93.0 70.9 110.9





#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

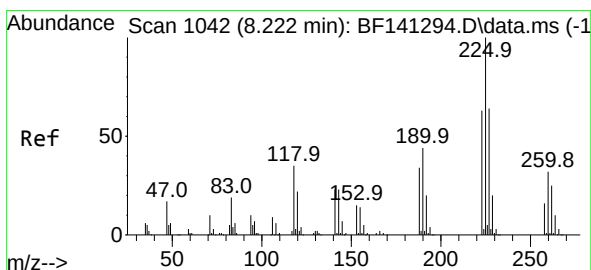
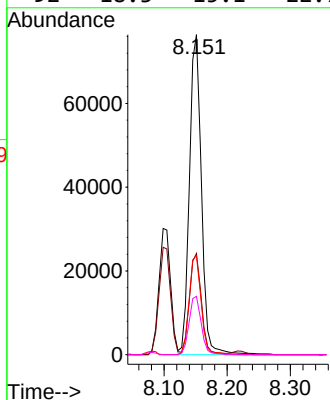
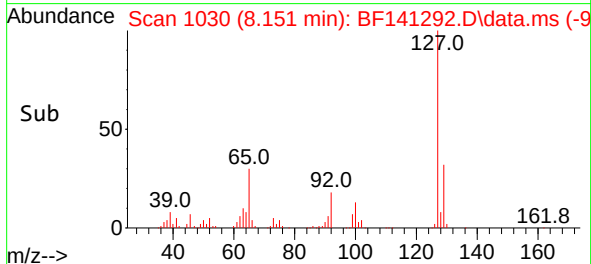
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



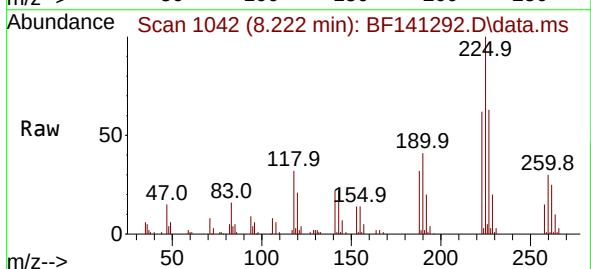
Tgt Ion:127 Resp: 10085
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 30.9 26.4 39.6
92 18.3 15.1 22.7

Manual Integrations
APPROVED

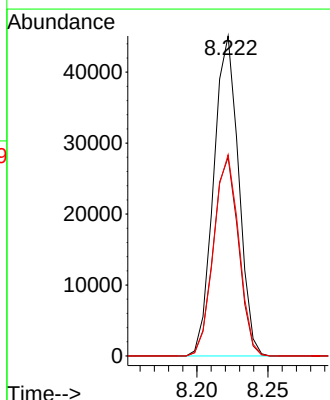
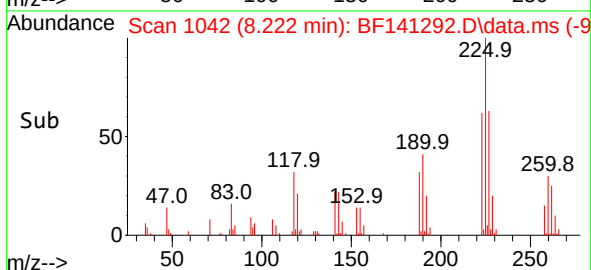
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

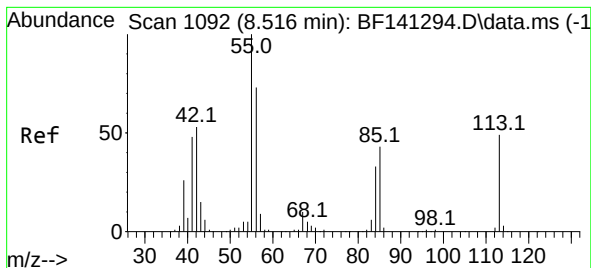


#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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# 1108

Delta R.T. -0.035 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

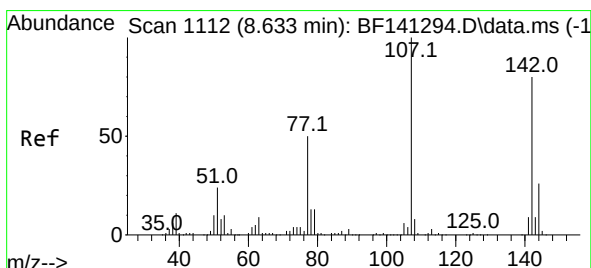
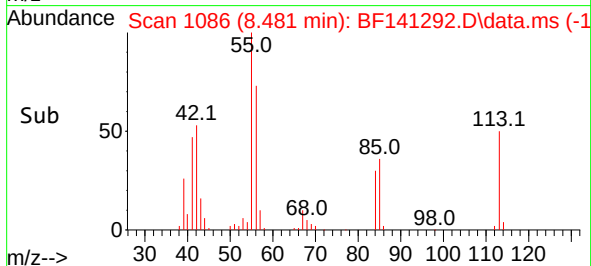
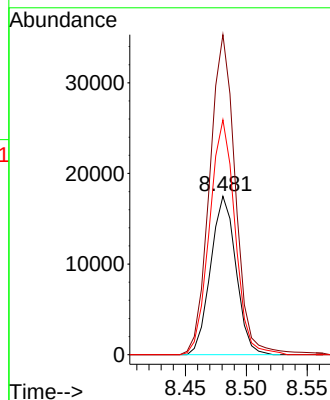
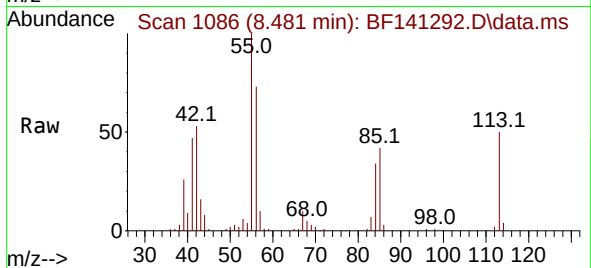
SSTDICC010

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

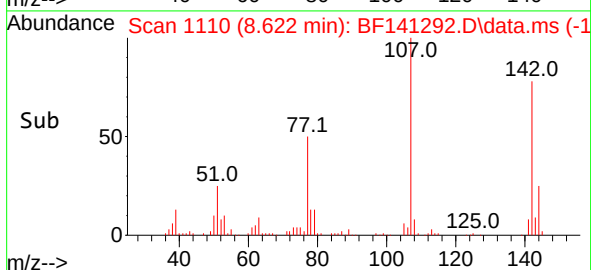
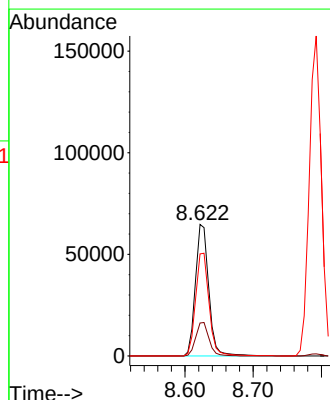
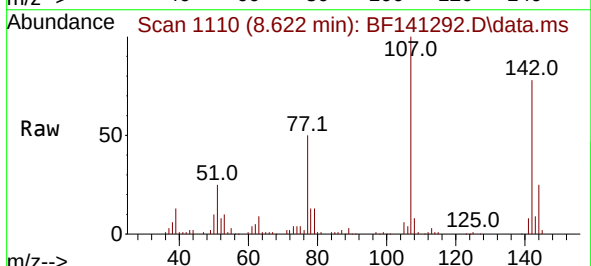
RT: 8.622 min Scan# 1110

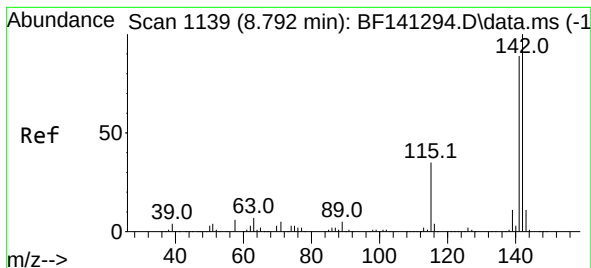
Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

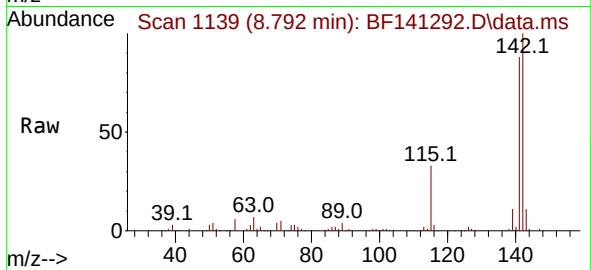
Tgt Ion:	107	Resp:	87592
Ion Ratio	Lower	Upper	
107	100		
144	25.1	20.7	31.1
142	77.6	63.8	95.8





#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

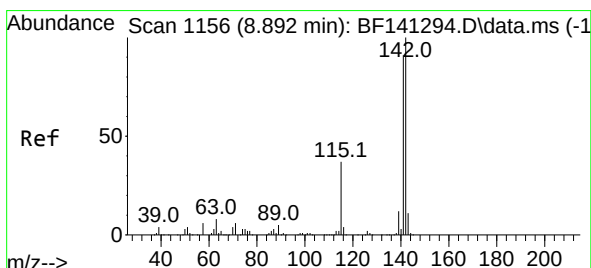
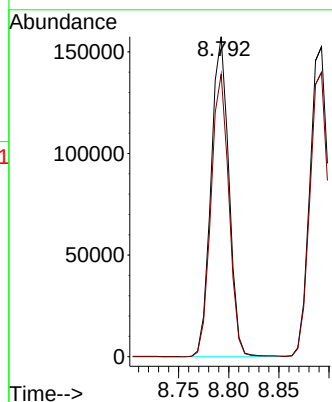
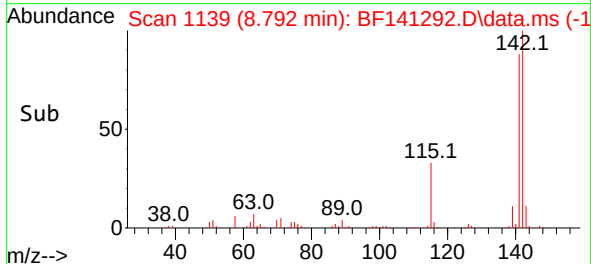
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



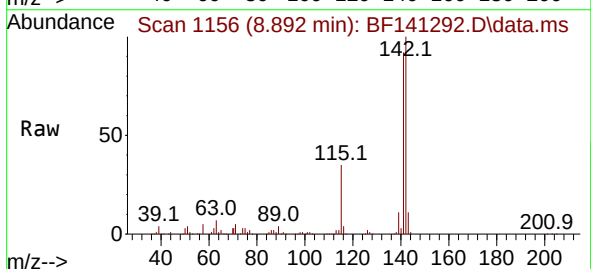
Tgt Ion:142 Resp: 195160
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9

Manual Integrations
APPROVED

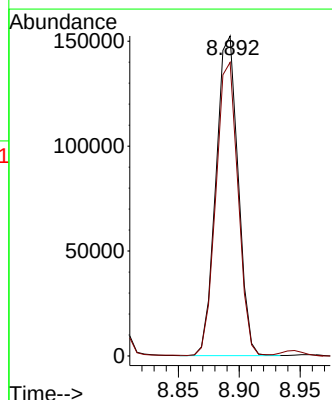
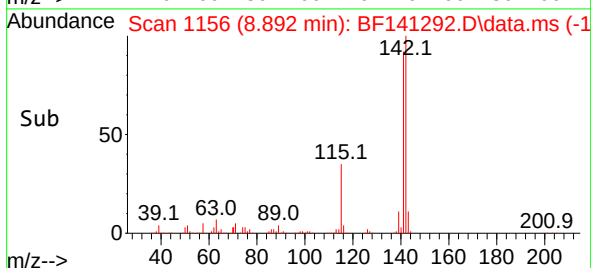
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

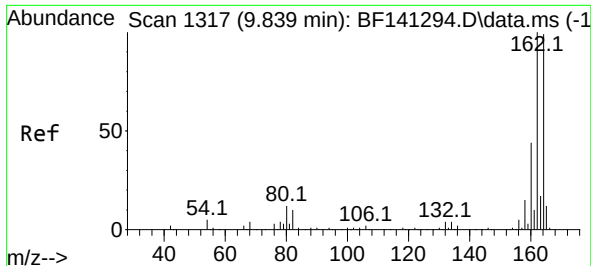


#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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

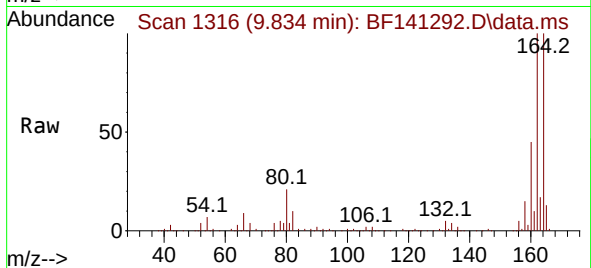
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 28955

Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

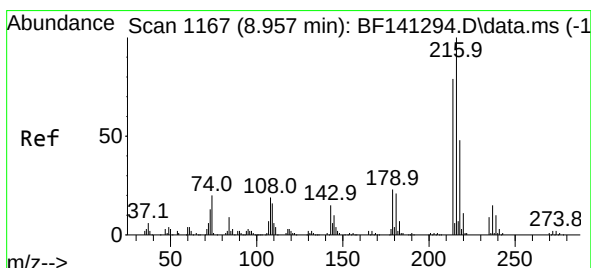
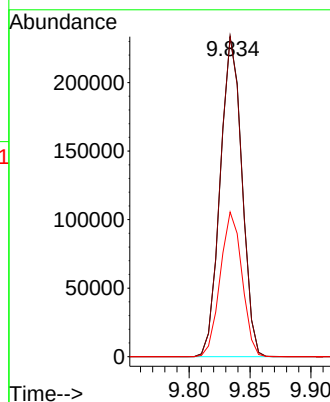
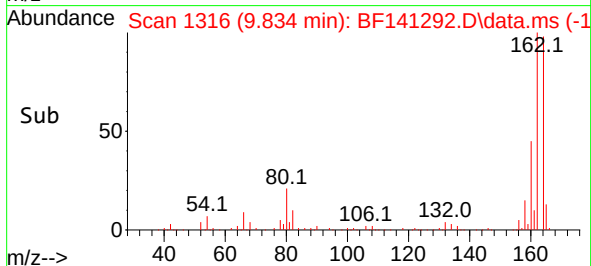
160 45.2 35.8 53.6

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

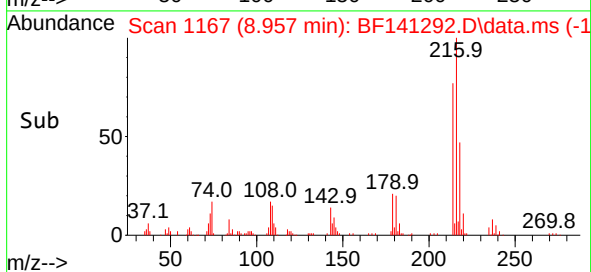
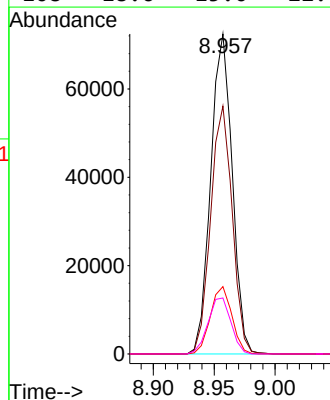
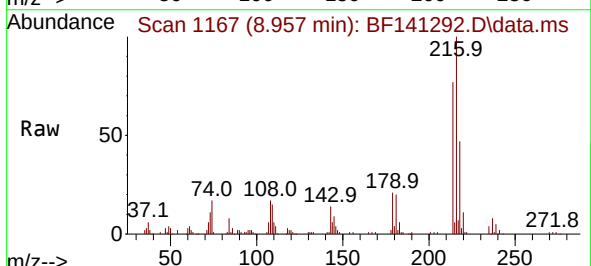
Ion Ratio Lower Upper

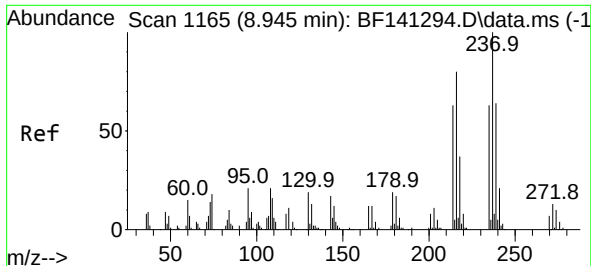
216 100

214 77.8 63.2 94.8

179 21.1 17.8 26.8

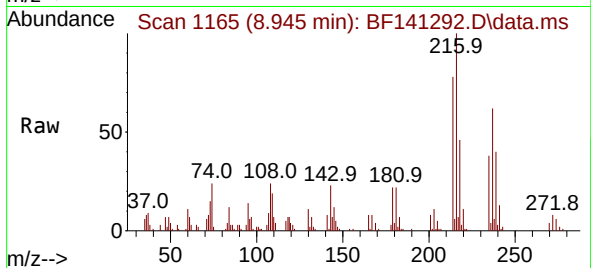
108 18.6 15.0 22.6





#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

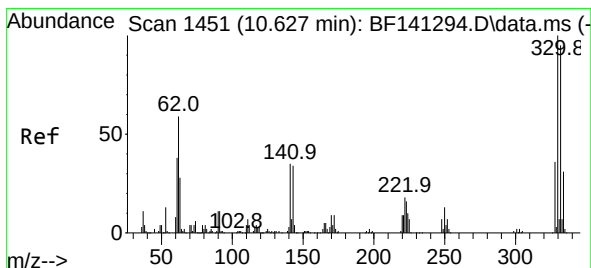
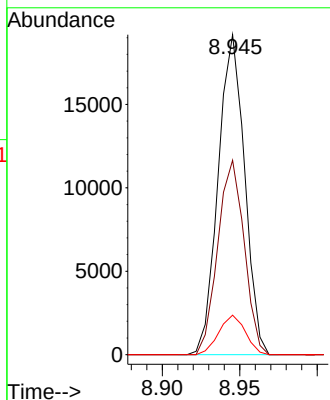
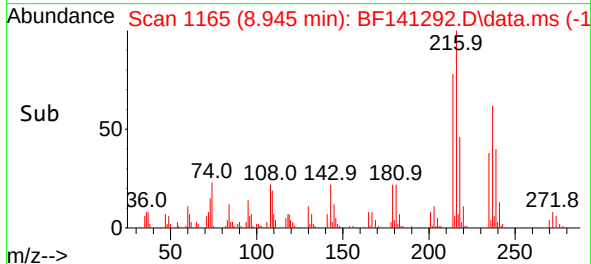
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



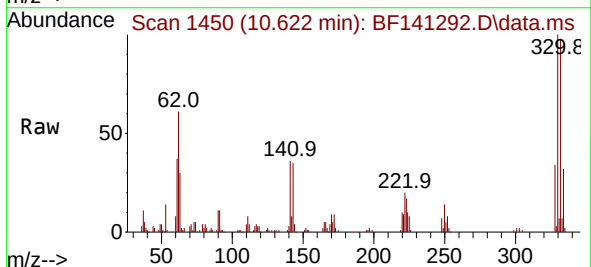
Tgt Ion: 237 Resp: 2275
Ion Ratio Lower Upper
237 100
235 60.8 42.9 82.9
272 12.3 0.0 32.8

Manual Integrations
APPROVED

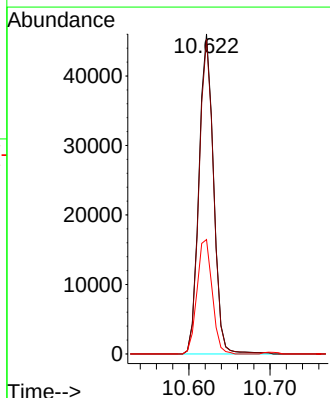
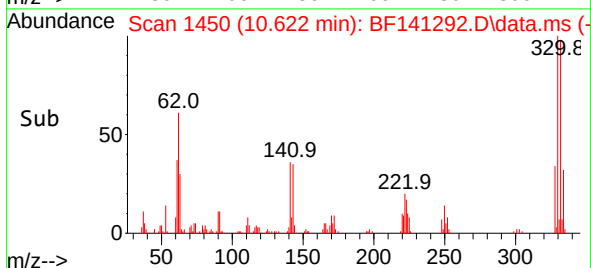
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

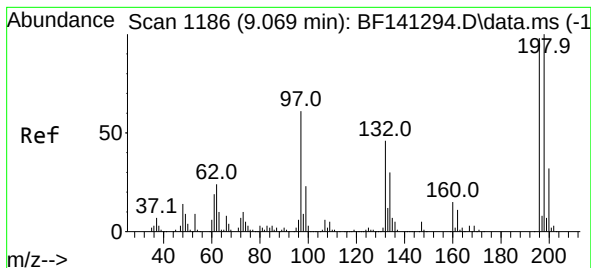


#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



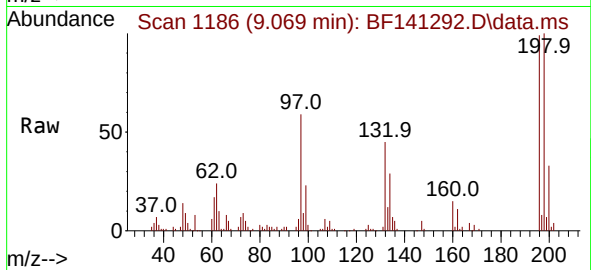
Tgt Ion: 330 Resp: 57417
Ion Ratio Lower Upper
330 100
332 98.0 76.1 114.1
141 37.3 28.8 43.2





#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

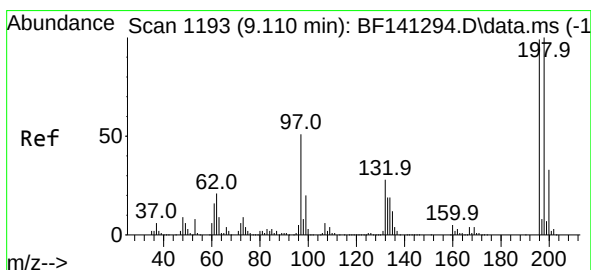
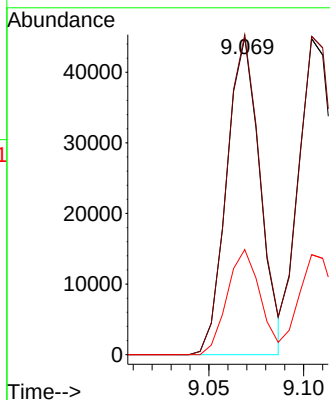
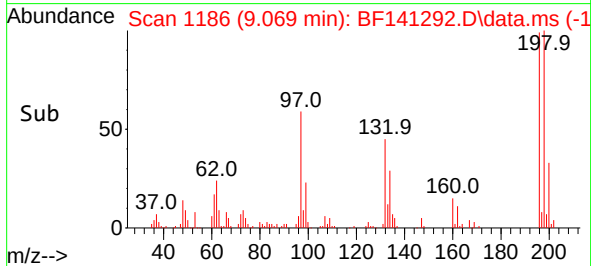
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



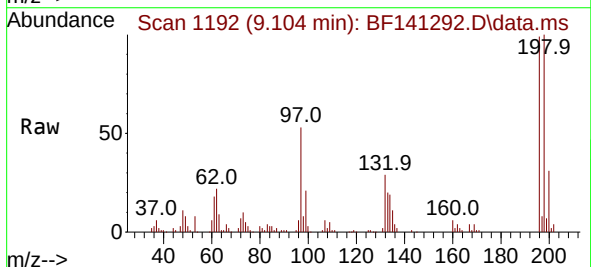
Tgt Ion:196 Resp: 5503
Ion Ratio Lower Upper
196 100
198 101.0 81.8 122.6
200 33.2 26.3 39.5

Manual Integrations
APPROVED

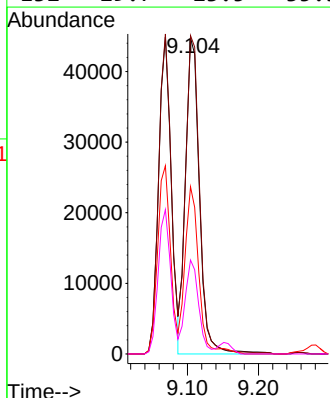
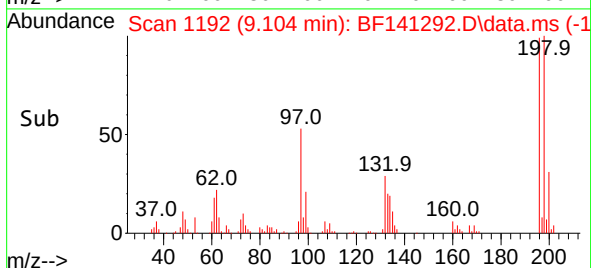
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

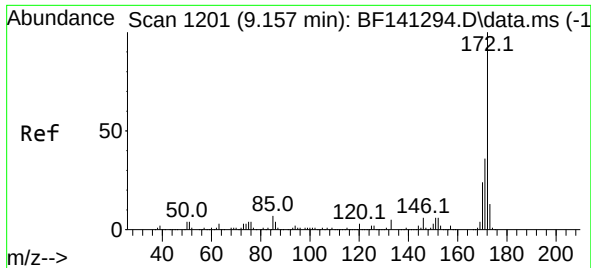


#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



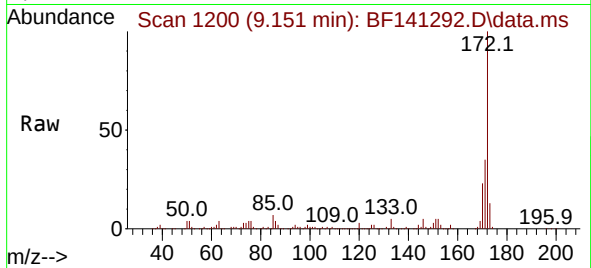
Tgt Ion:196 Resp: 61493
Ion Ratio Lower Upper
196 100
198 100.8 80.5 120.7
97 52.9 42.8 64.2
132 29.7 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

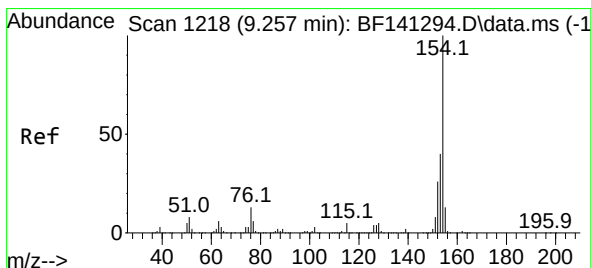
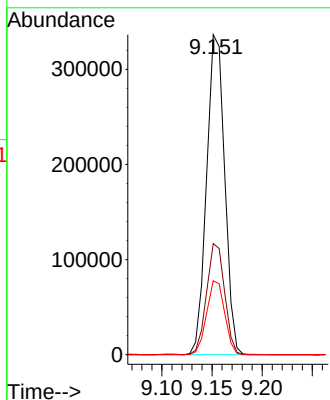
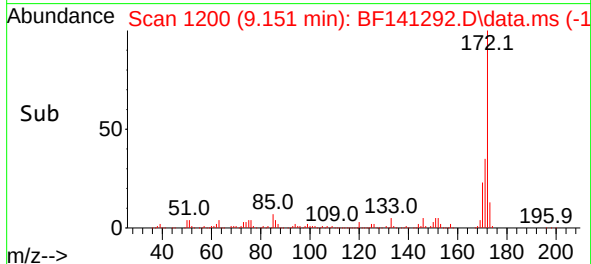
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



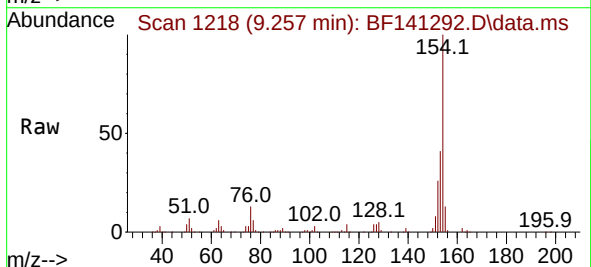
Tgt Ion:172 Resp: 42385
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.1 19.0 28.6

Manual Integrations
APPROVED

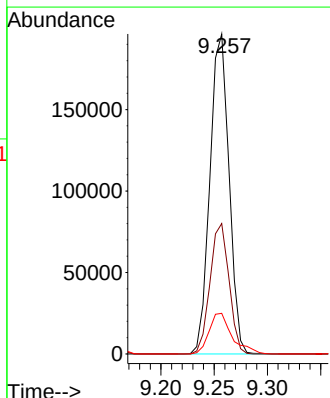
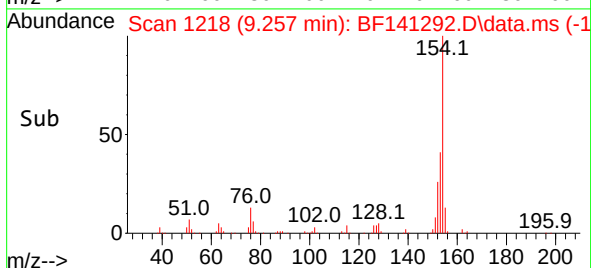
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

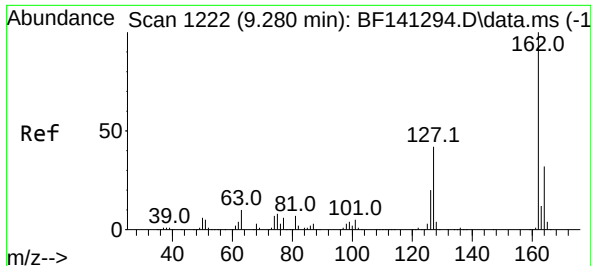


#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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

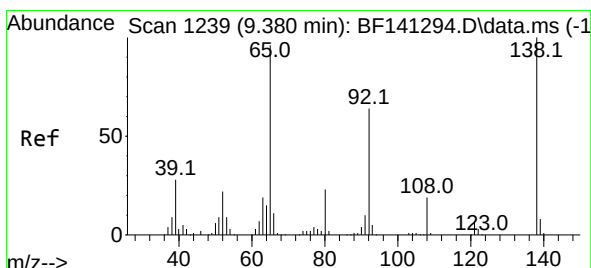
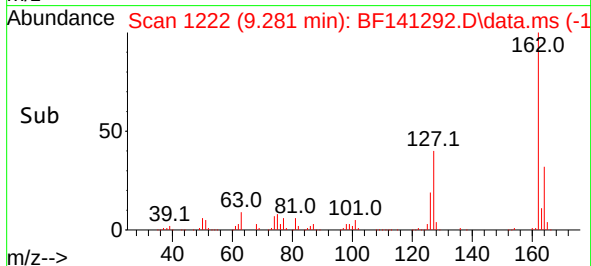
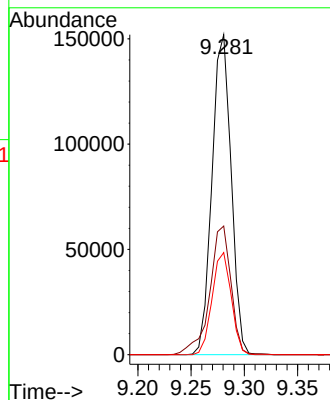
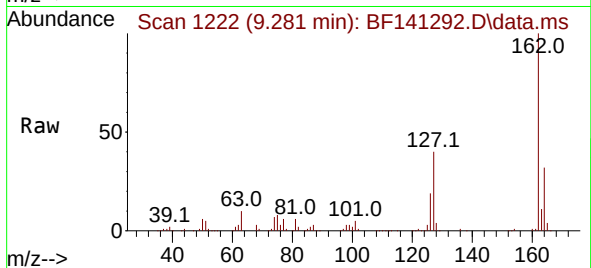
164 31.9 25.9 38.9

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

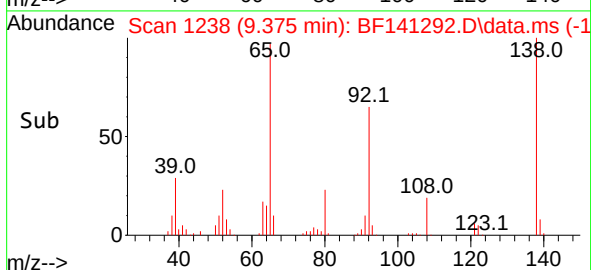
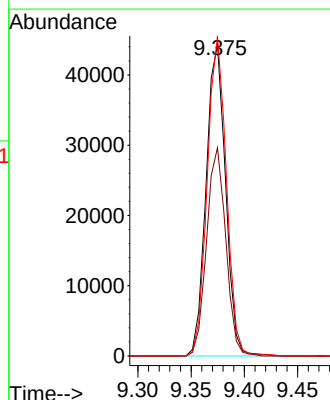
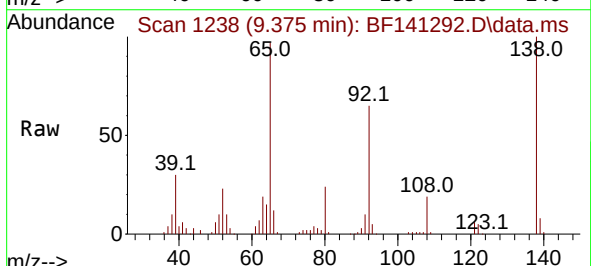
Tgt Ion: 65 Resp: 56247

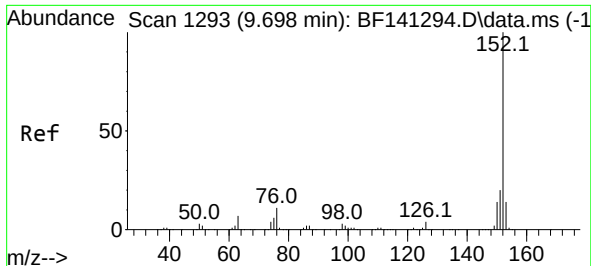
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

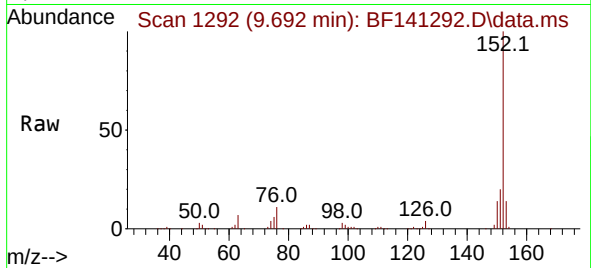
138 102.9 83.6 125.4





#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

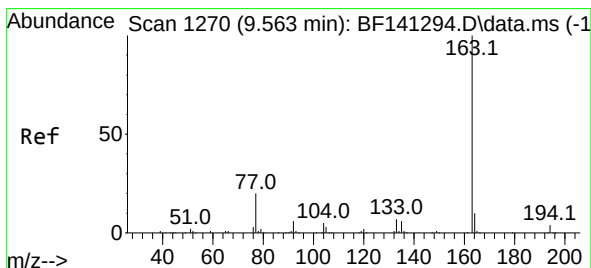
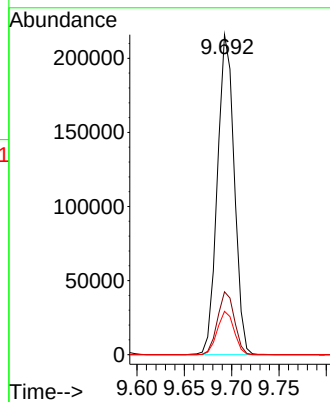
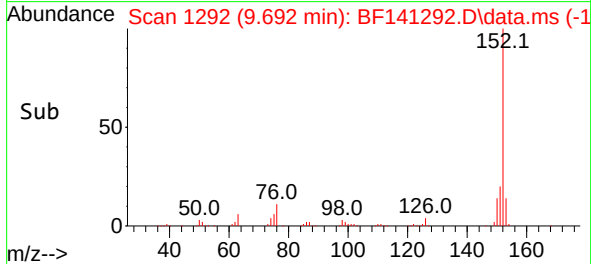
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



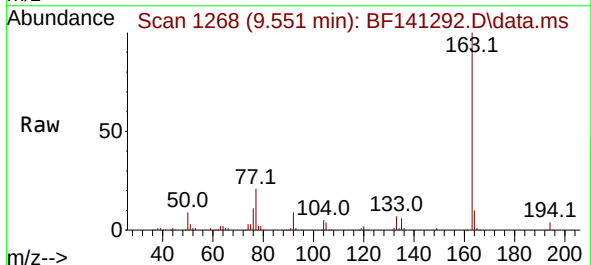
Tgt Ion:152 Resp: 26847
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.6 11.0 16.6

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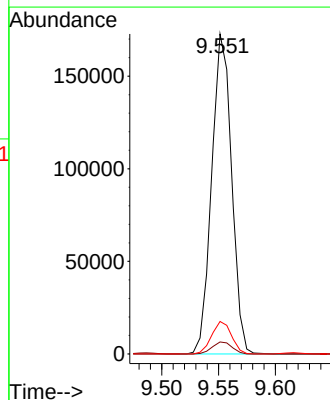
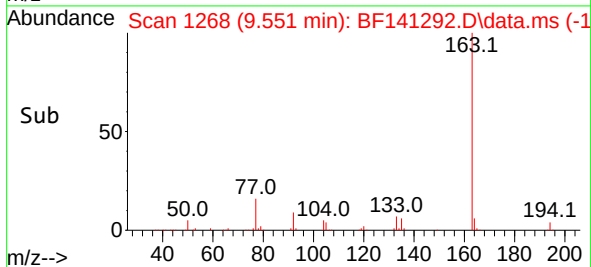
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

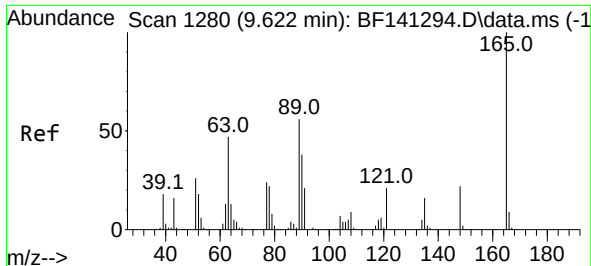


#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





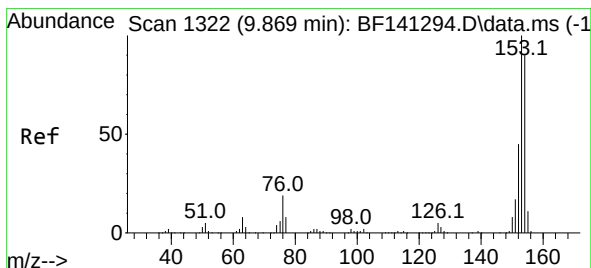
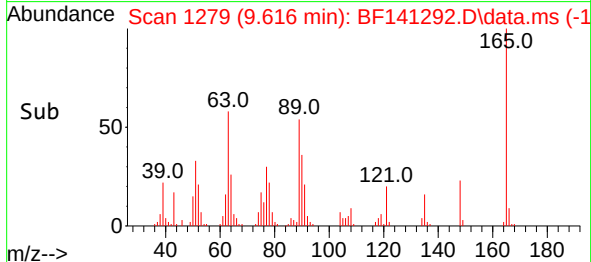
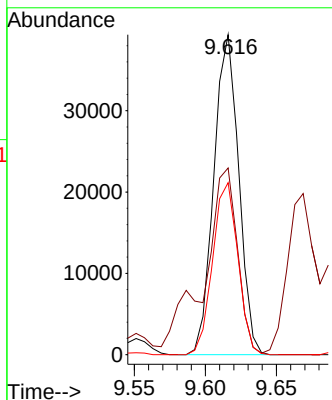
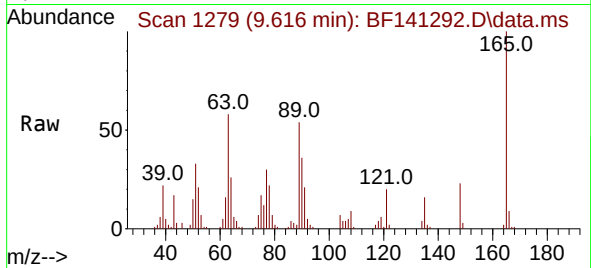
#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

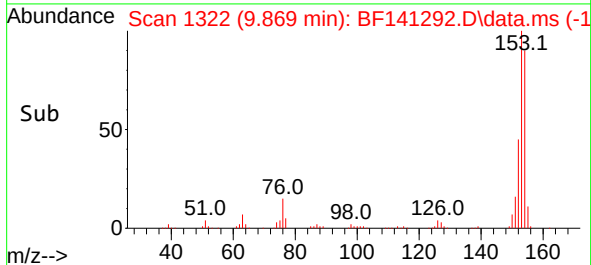
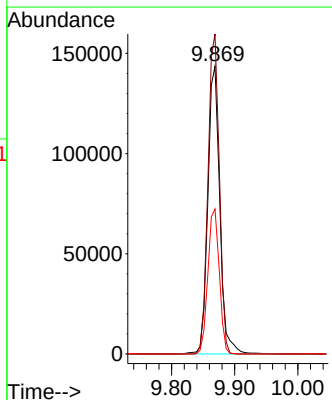
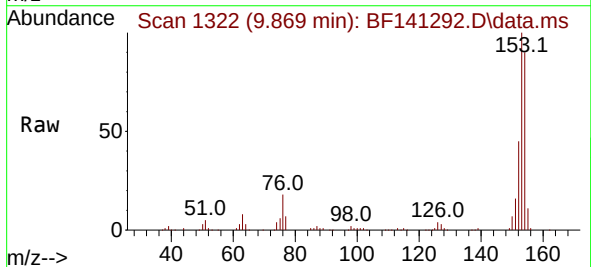
Manual Integrations
APPROVED

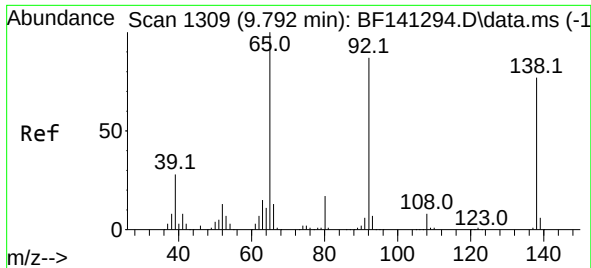
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

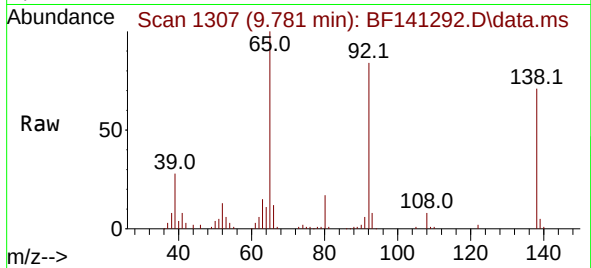
Tgt Ion:154 Resp: 188283
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 50.4 40.2 60.4





#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

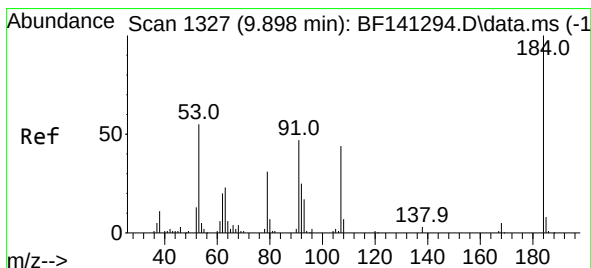
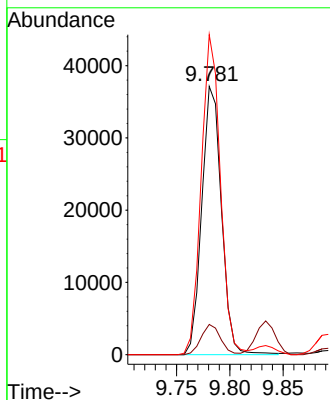
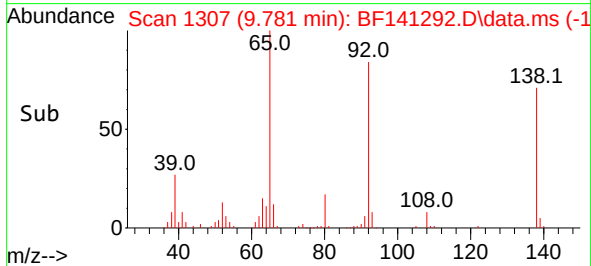
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



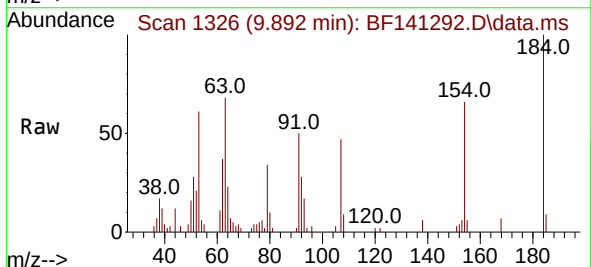
Tgt Ion:138 Resp: 47818
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 119.2 91.0 136.6

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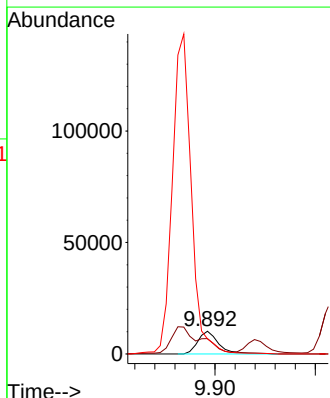
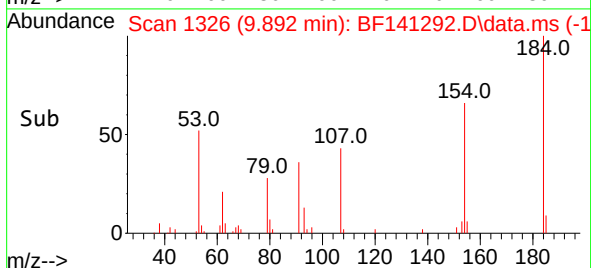
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

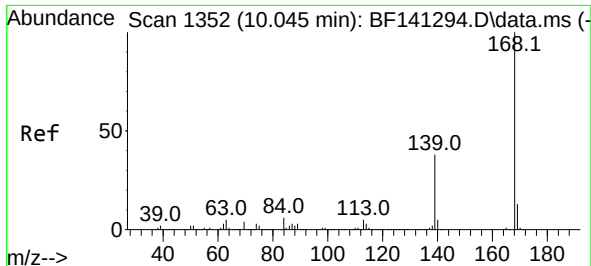


#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



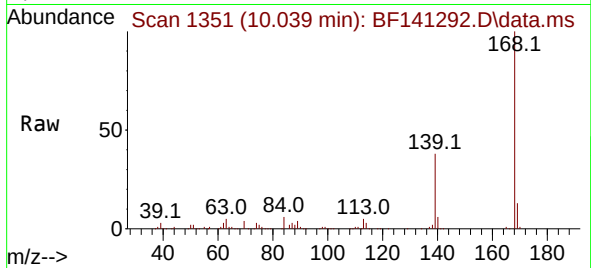
Tgt Ion:184 Resp: 14749
Ion Ratio Lower Upper
184 100
63 67.9 54.1 81.1
154 66.2 50.7 76.1





#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

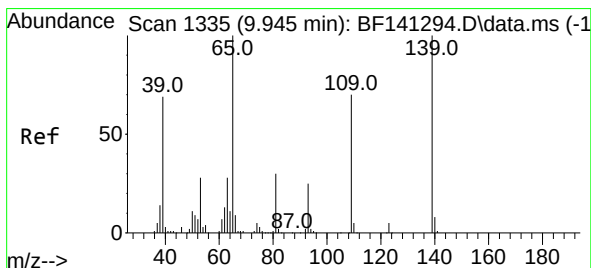
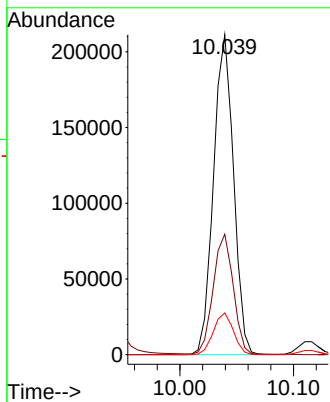
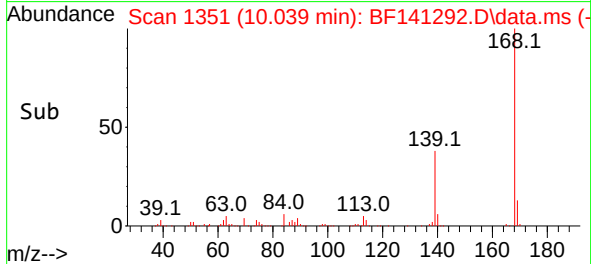
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 258832
Ion Ratio Lower Upper
168 100
139 37.7 30.6 46.0
169 13.1 10.8 16.2

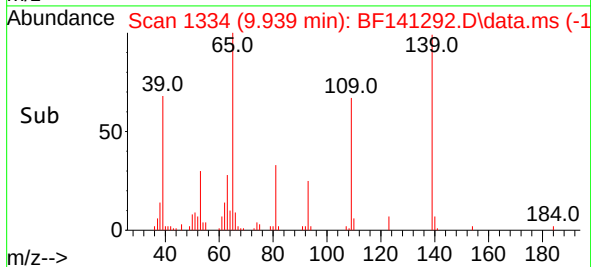
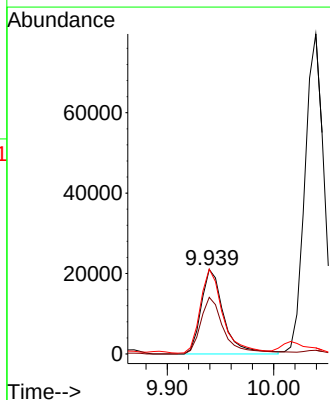
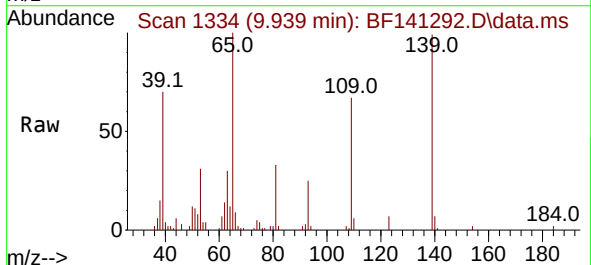
Manual Integrations
APPROVED

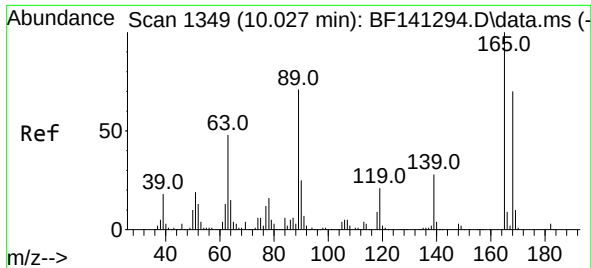
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

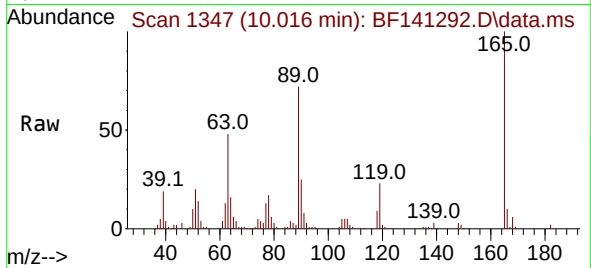
Tgt Ion:139 Resp: 31196
Ion Ratio Lower Upper
139 100
109 67.1 50.2 90.2
65 100.6 80.6 120.6





#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

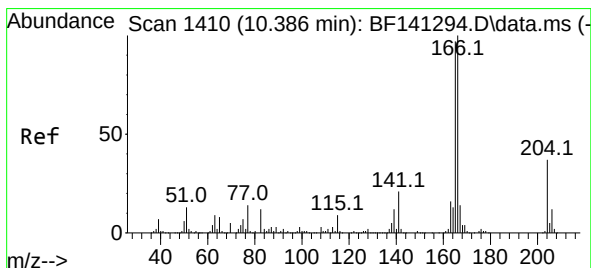
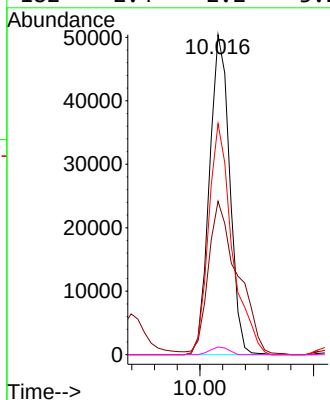
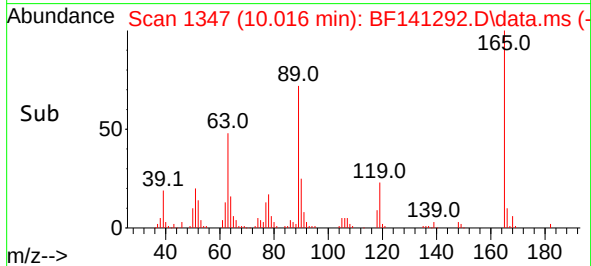
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



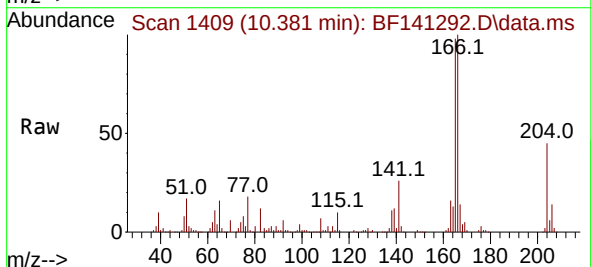
Tgt Ion:165 Resp: 62418
Ion Ratio Lower Upper
165 100
63 48.0 39.2 58.8
89 72.2 56.9 85.3
182 2.4 2.2 3.2

Manual Integrations
APPROVED

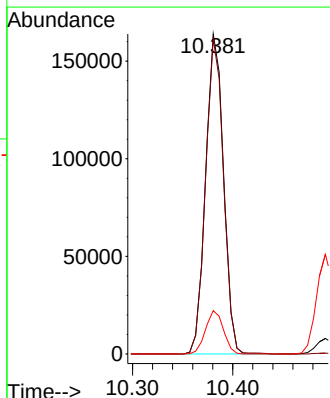
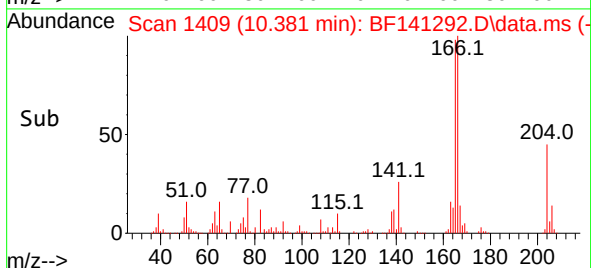
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

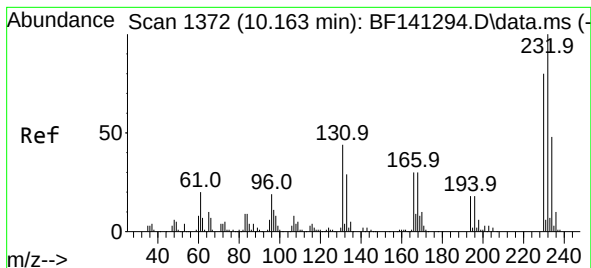


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



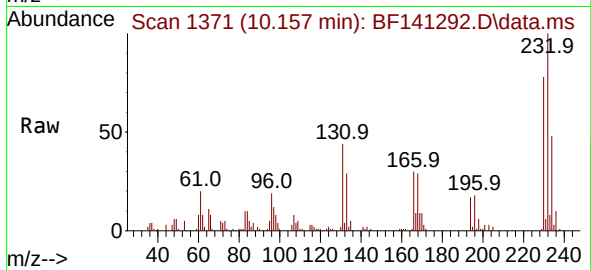
Tgt Ion:166 Resp: 204141
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.6 10.9 16.3





#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

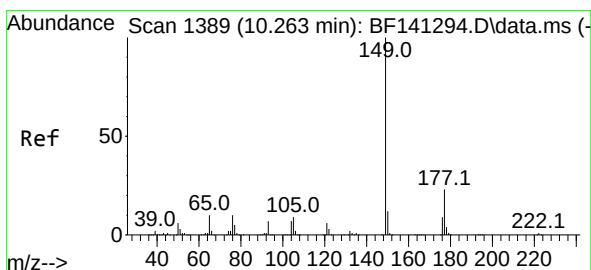
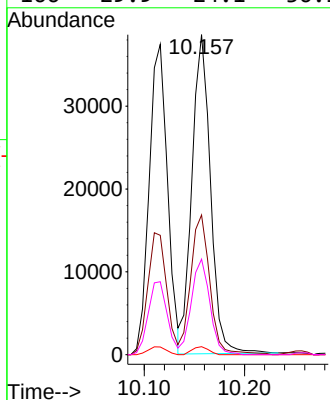
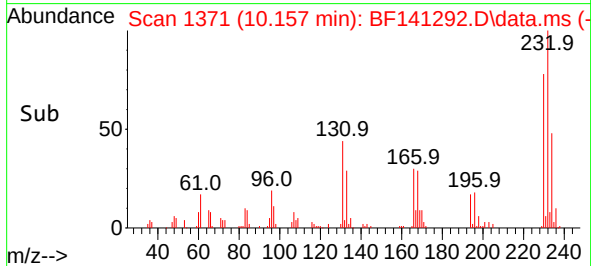
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



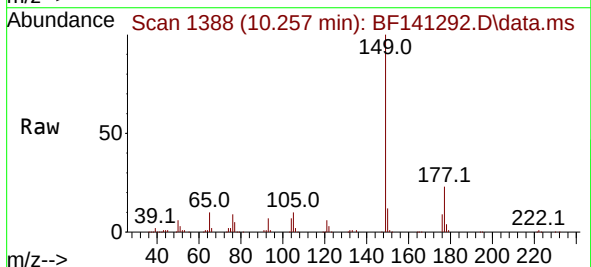
Tgt Ion:232 Resp: 49590
Ion Ratio Lower Upper
232 100
131 45.2 36.4 54.6
130 2.2 1.9 2.9
166 29.9 24.1 36.1

Manual Integrations
APPROVED

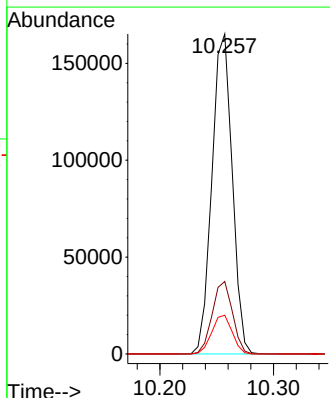
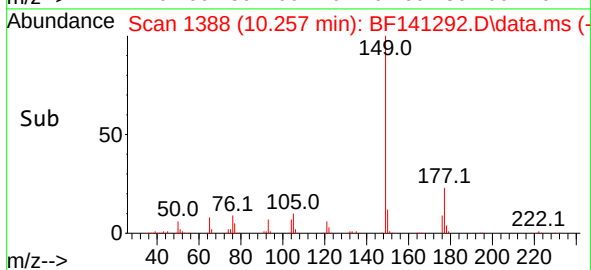
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

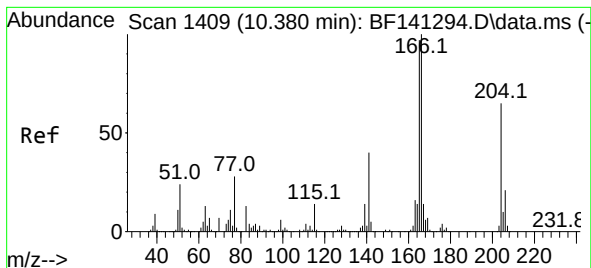


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





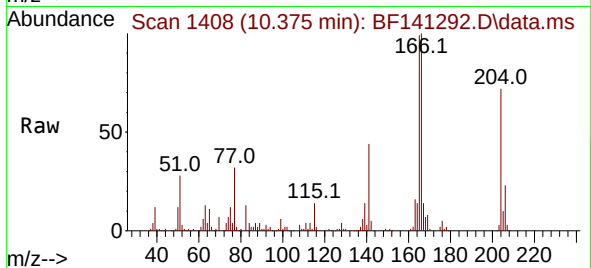
#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

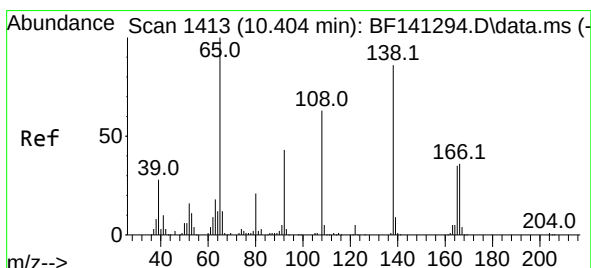
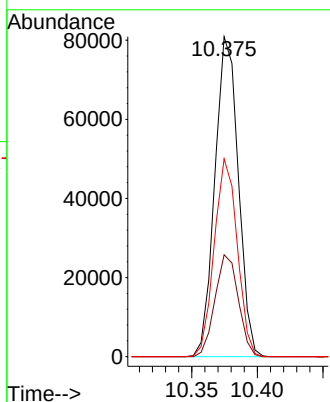
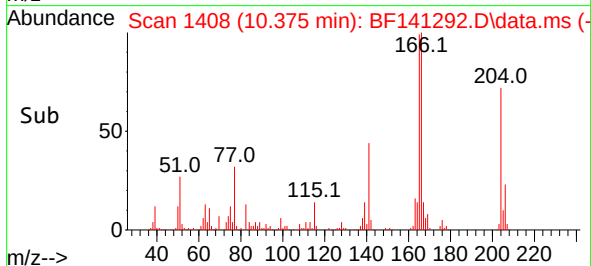
SSTDICC010



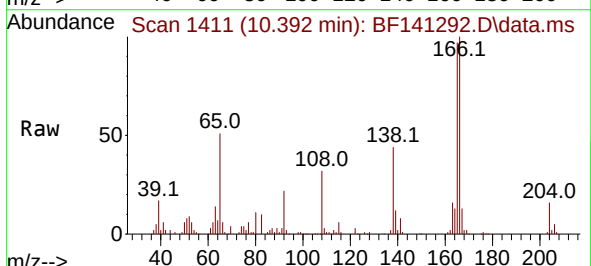
Tgt Ion:204 Resp: 100485
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 61.8 49.5 74.3

Manual Integrations
APPROVED

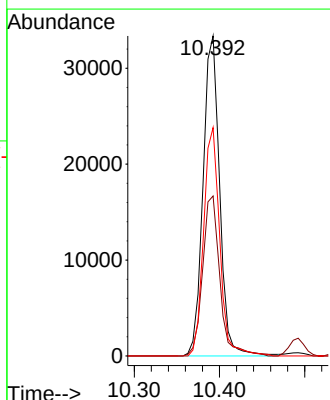
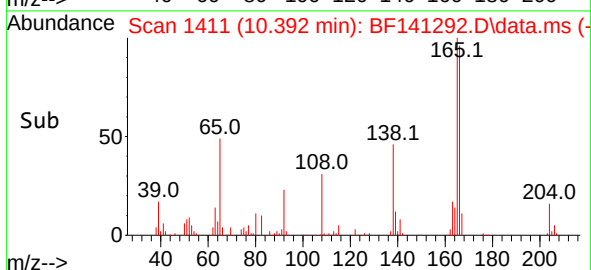
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

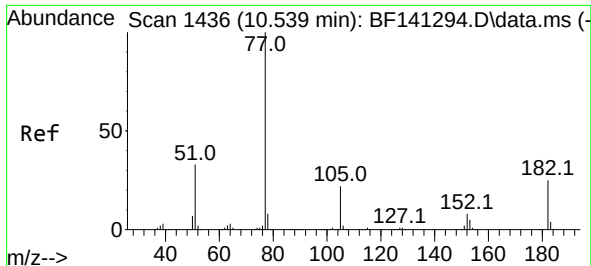


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



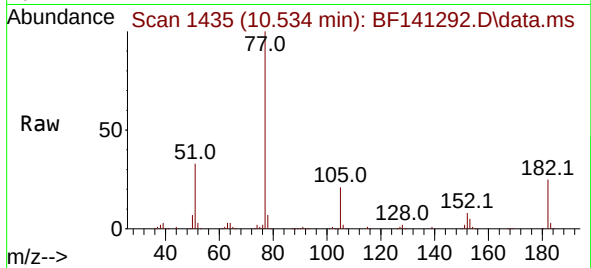
Tgt Ion:138 Resp: 45222
Ion Ratio Lower Upper
138 100
92 50.0 30.1 70.1
108 71.3 53.1 93.1





#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

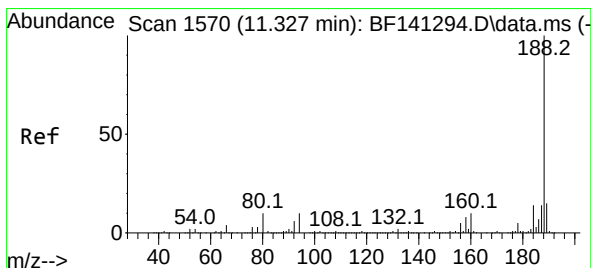
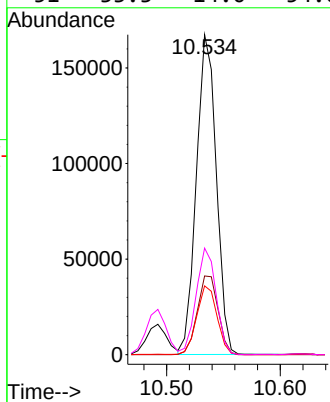
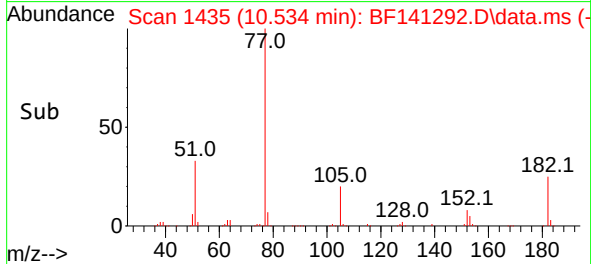
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



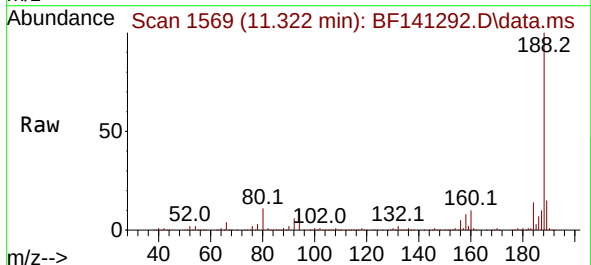
Tgt Ion: 77 Resp: 204300
Ion Ratio Lower Upper
77 100
182 24.6 5.1 45.1
105 21.5 1.8 41.8
51 33.3 14.0 54.0

Manual Integrations
APPROVED

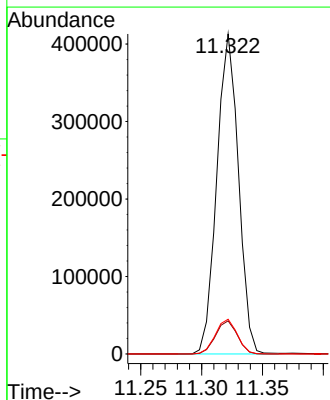
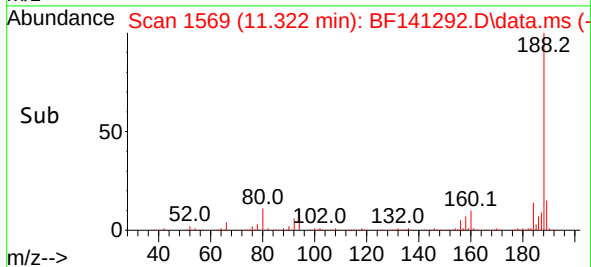
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

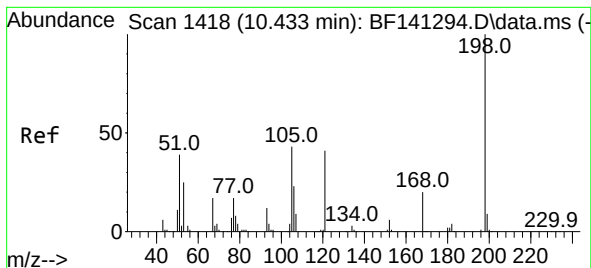


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



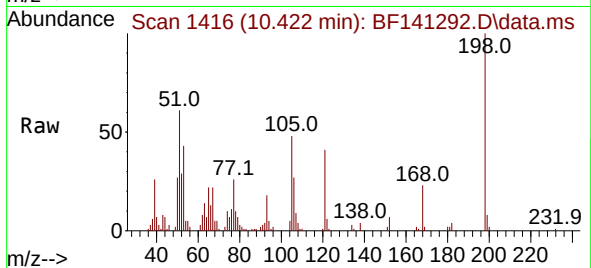
Tgt Ion:188 Resp: 510795
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.9 8.2 12.4





#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

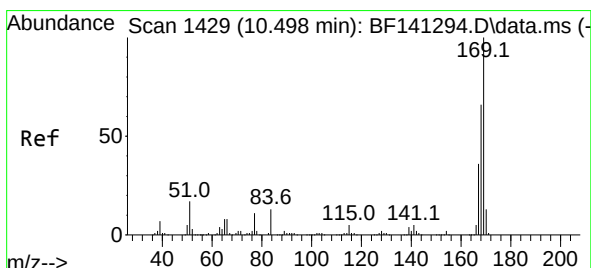
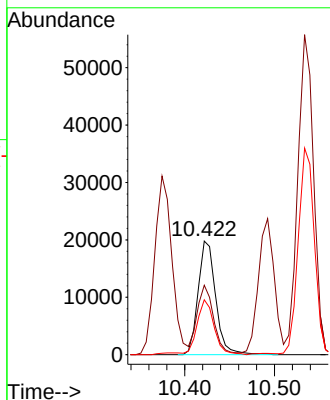
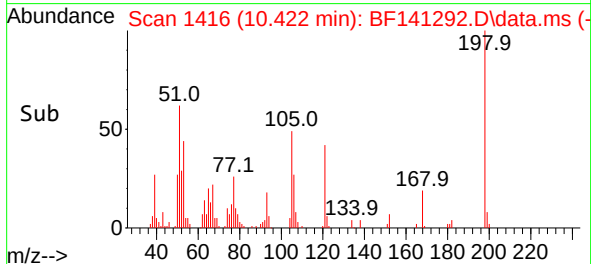
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



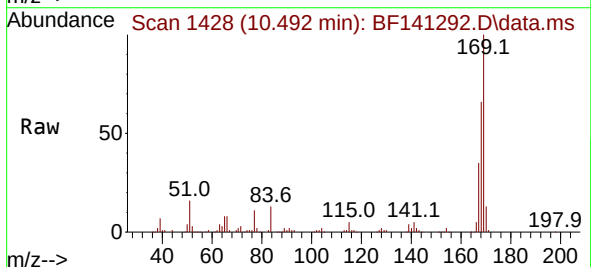
Tgt Ion:198 Resp: 26939
Ion Ratio Lower Upper
198 100
51 61.2 33.4 73.4
105 48.3 24.4 64.4

Manual Integrations
APPROVED

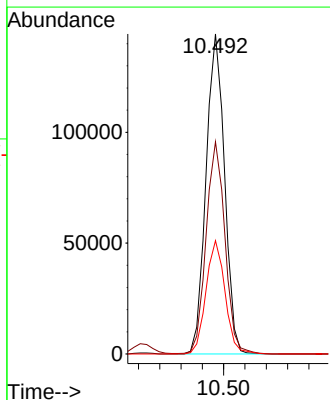
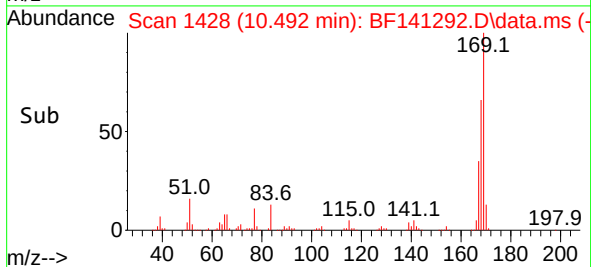
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

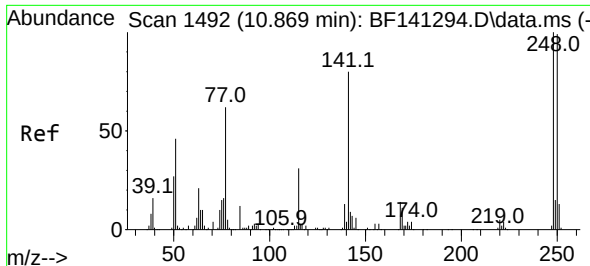


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



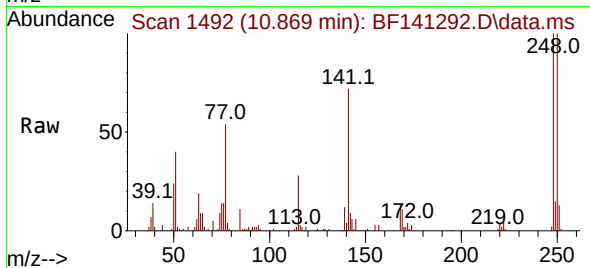
Tgt Ion:169 Resp: 174617
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





#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

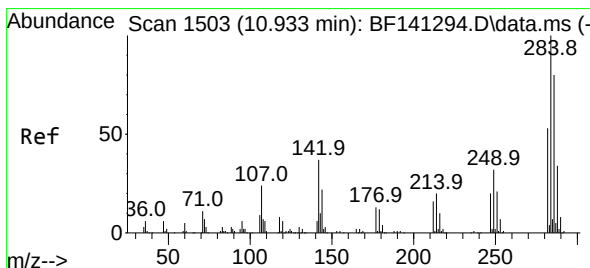
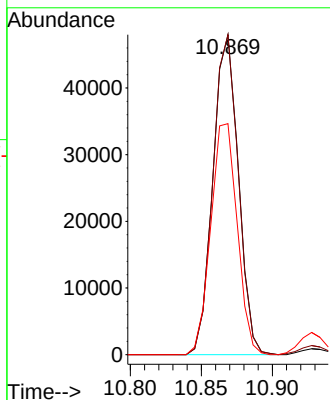
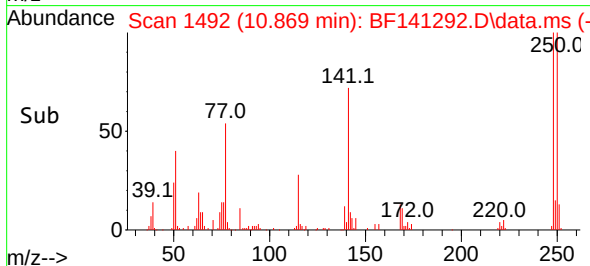
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



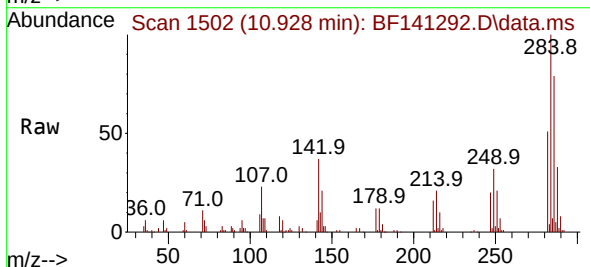
Tgt Ion:248 Resp: 59770
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 72.2 63.7 95.5

Manual Integrations
APPROVED

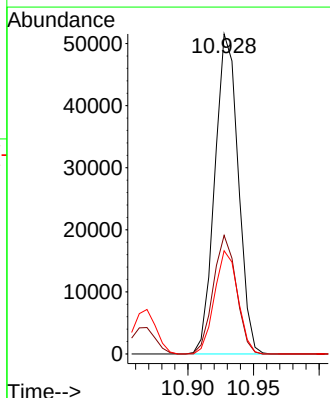
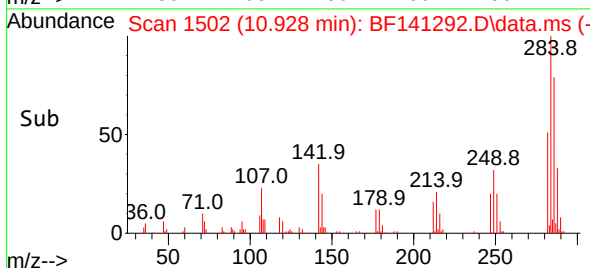
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

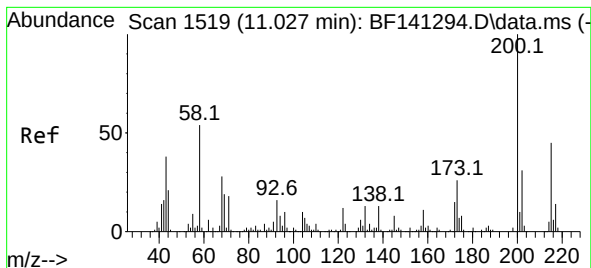


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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

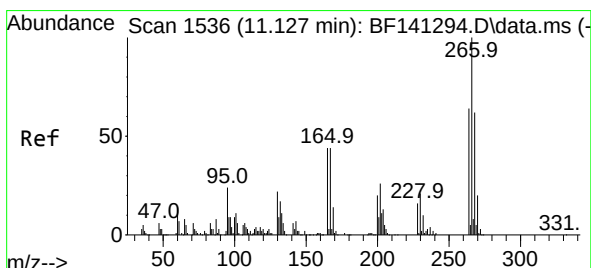
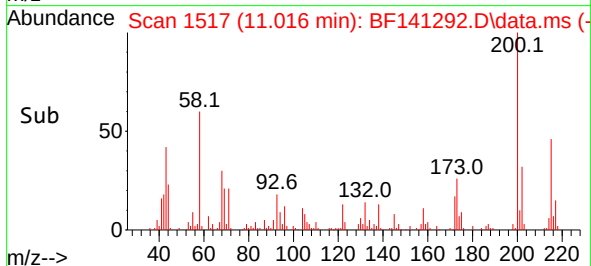
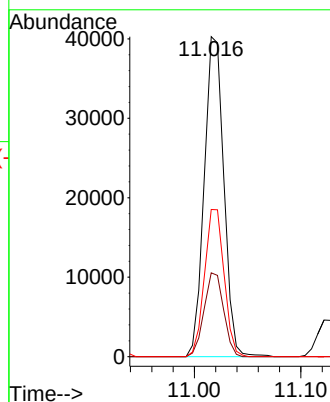
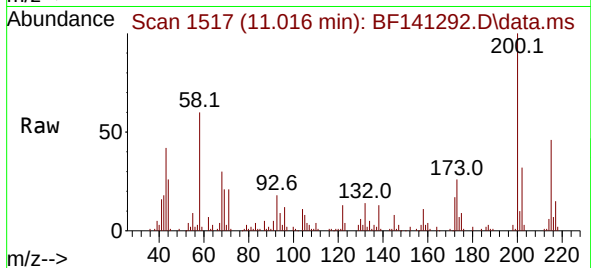
Tgt Ion:200 Resp: 5163
 Ion Ratio Lower Upper
 200 100
 173 26.2 5.9 45.9
 215 46.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 9.796 ng

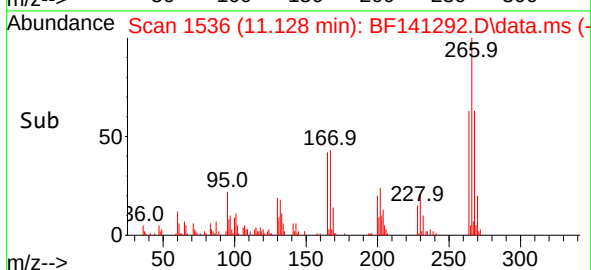
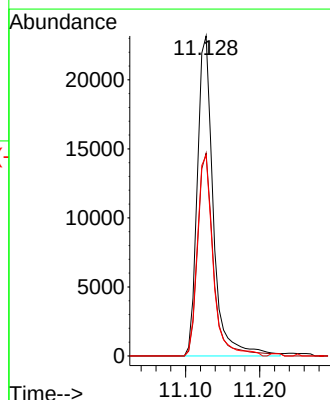
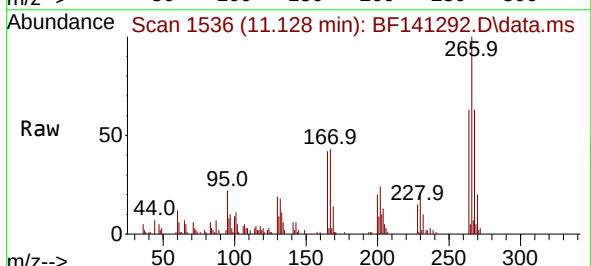
RT: 11.128 min Scan# 1536

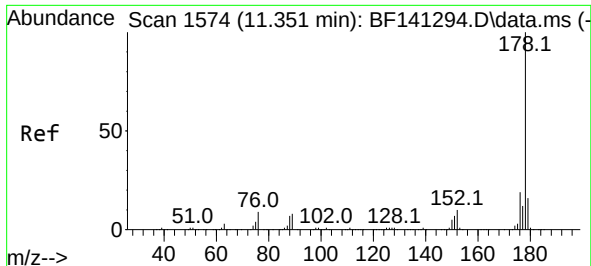
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

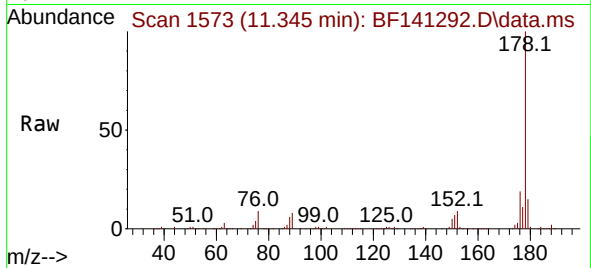
Tgt Ion:266 Resp: 34788
 Ion Ratio Lower Upper
 266 100
 268 63.4 49.9 74.9
 264 62.7 51.0 76.4





#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

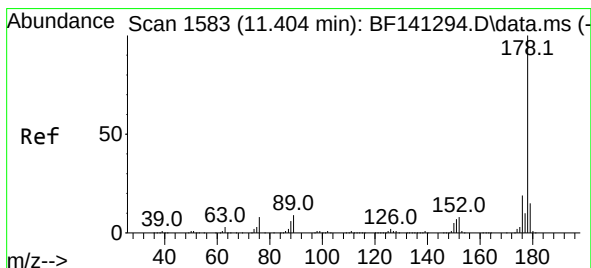
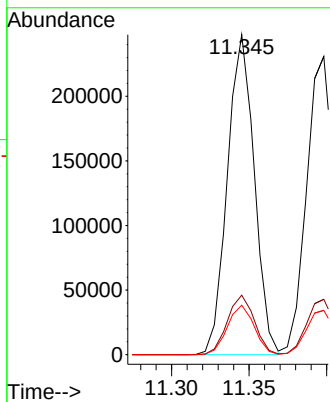
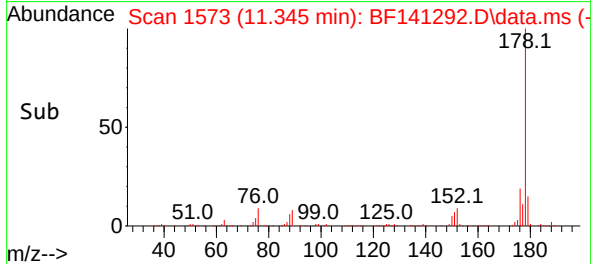
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

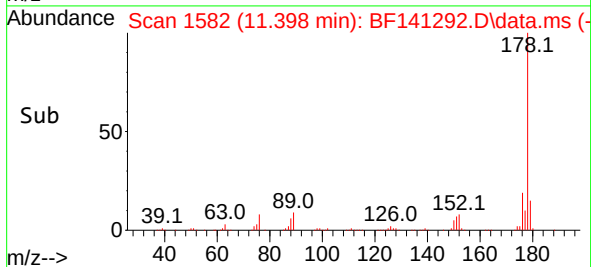
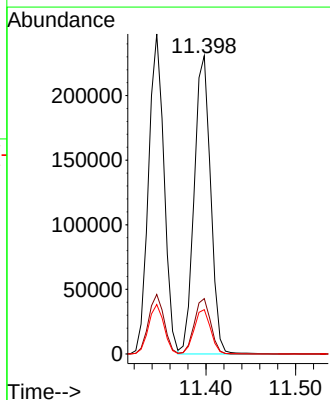
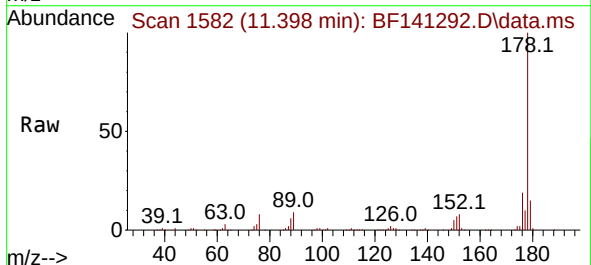
Manual Integrations
APPROVED

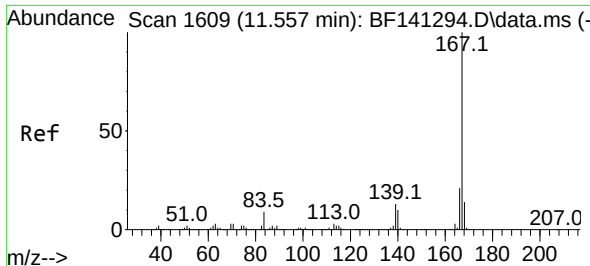
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

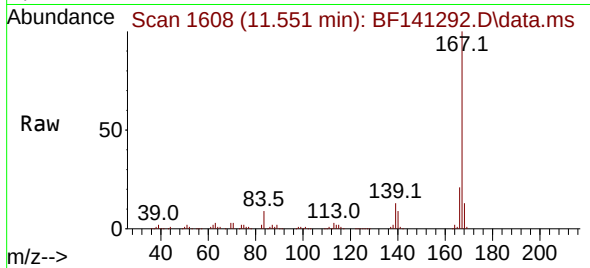
Tgt Ion:178 Resp: 292813
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 14.9 12.3 18.5





#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

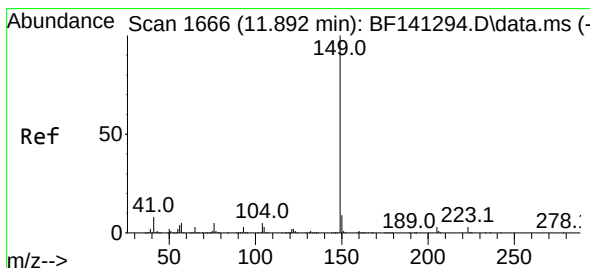
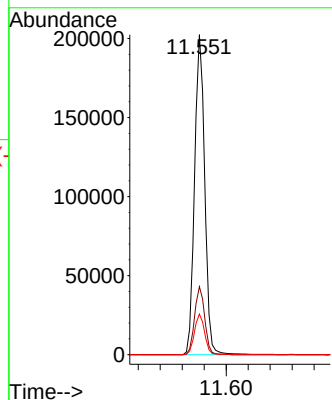
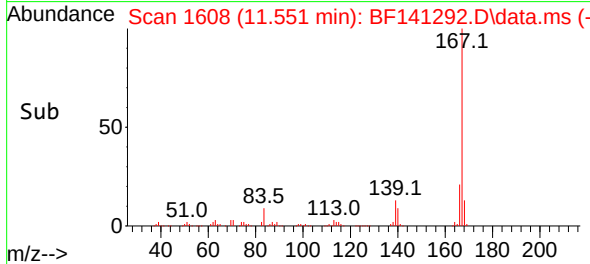
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



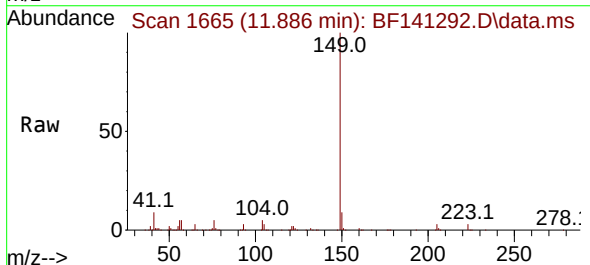
Tgt Ion:167 Resp: 25885
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.7 10.6 16.0

Manual Integrations
 APPROVED

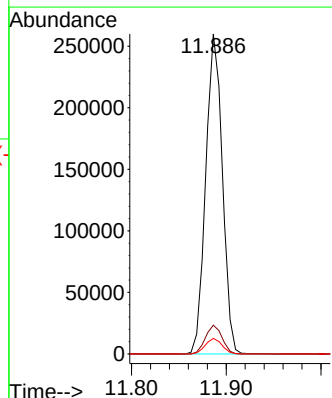
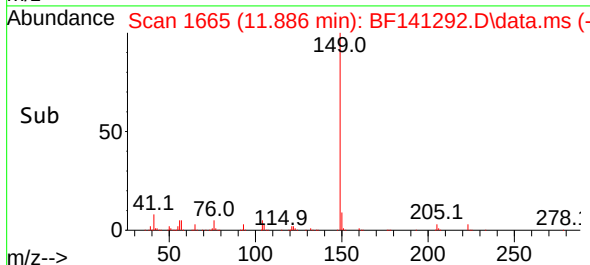
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

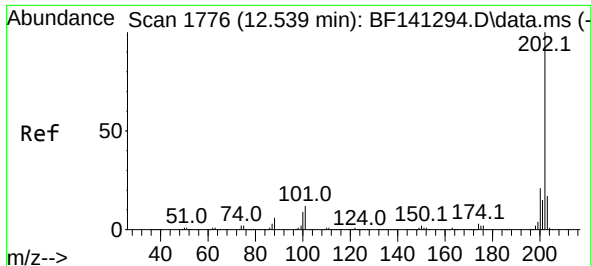


#74
 Di-n-butylphthalate
 Concen: 11.070 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF141292.D
 Acq: 29 Jan 2025 11:49



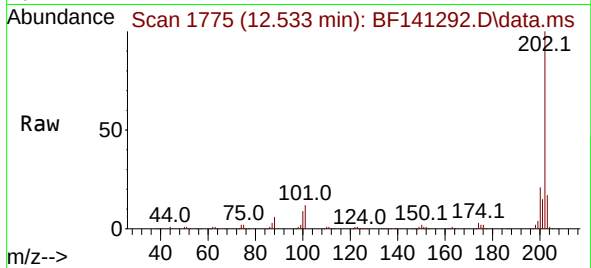
Tgt Ion:149 Resp: 316336
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

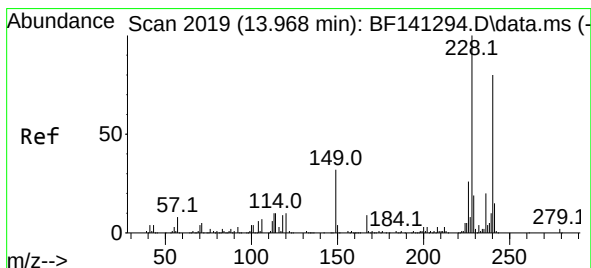
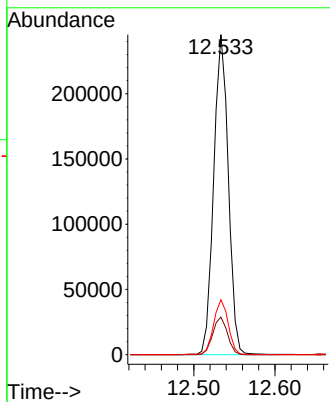
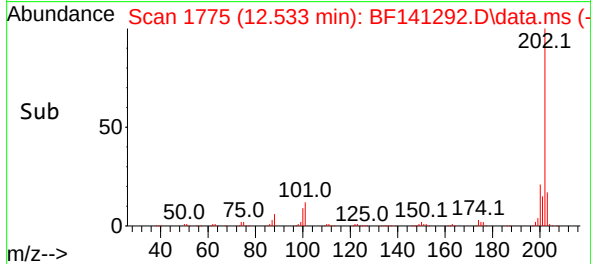
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



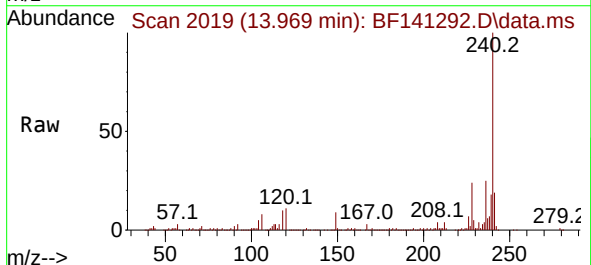
Tgt Ion:202 Resp: 30696
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.1 0.0 37.5

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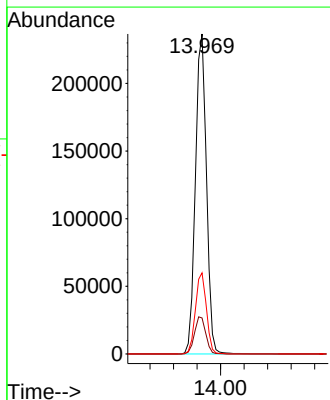
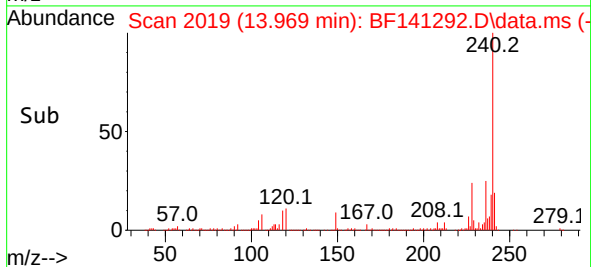
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

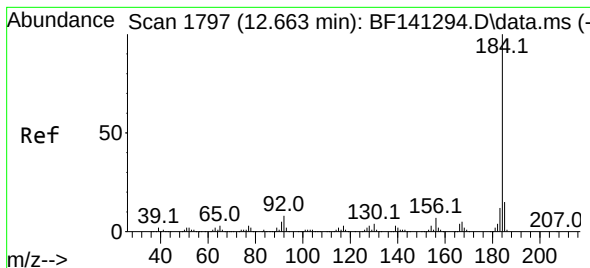


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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

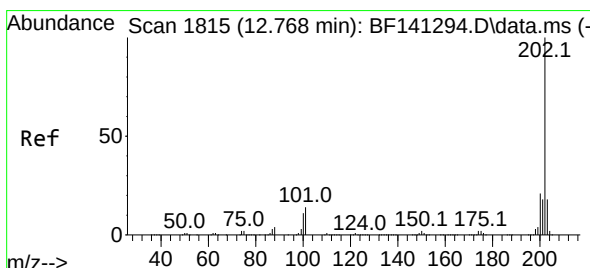
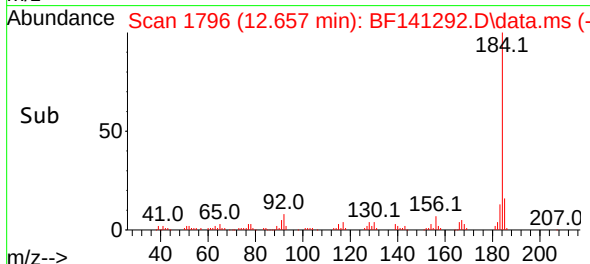
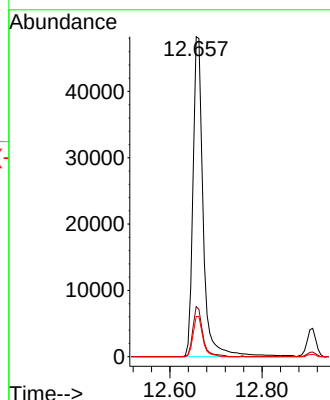
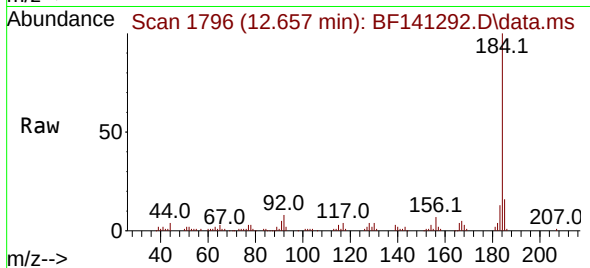
Tgt Ion:184	Resp:	73918
Ion Ratio	Lower	Upper
184	100	
185	15.6	11.9 17.9
183	12.6	9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 10.681 ng

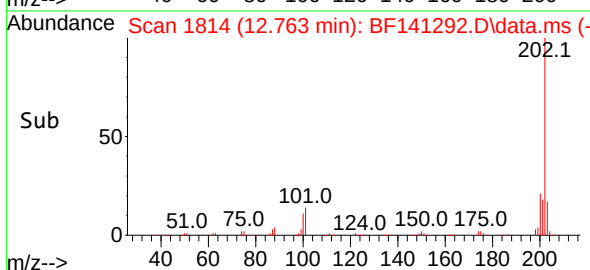
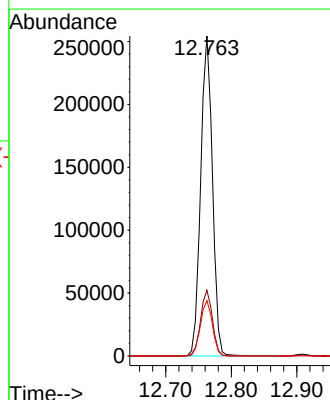
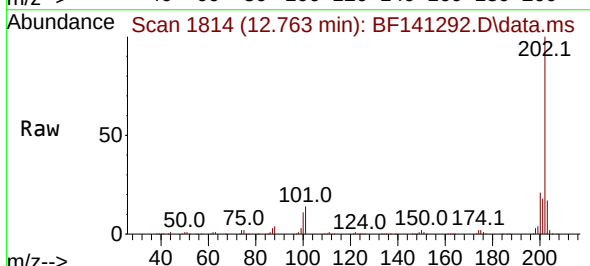
RT: 12.763 min Scan# 1814

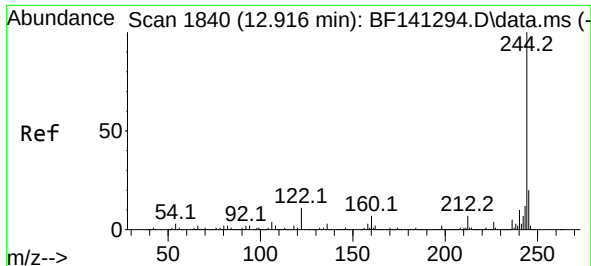
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

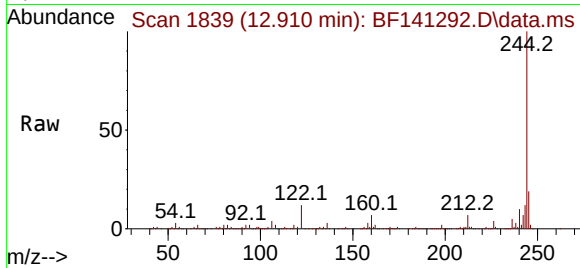
Tgt Ion:202	Resp:	317744
Ion Ratio	Lower	Upper
202	100	
200	20.5	17.0 25.4
203	17.3	14.3 21.5





#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

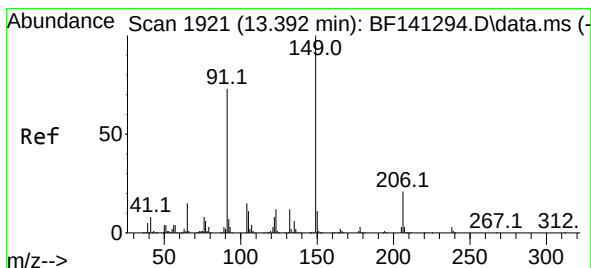
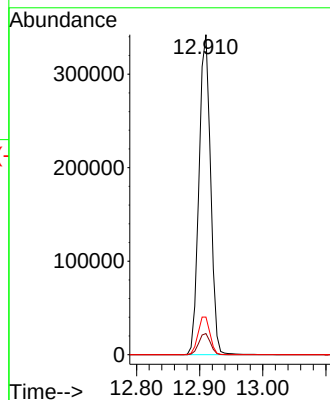
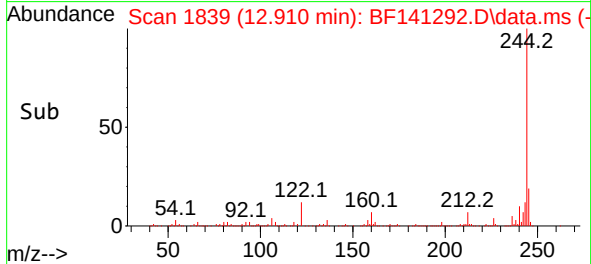
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



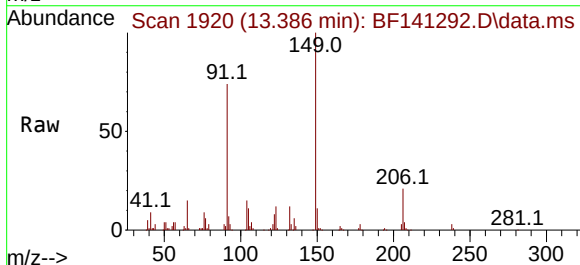
Tgt Ion:244 Resp: 43478
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.7 8.8 13.2

Manual Integrations
 APPROVED

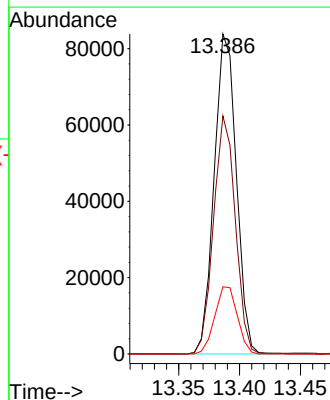
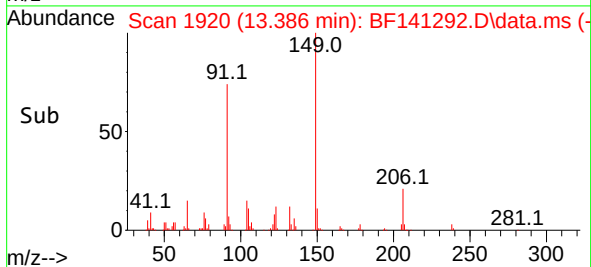
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

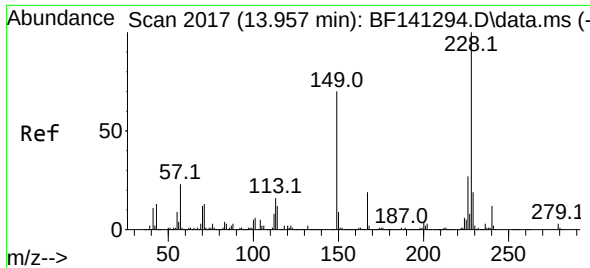


#80
 Butylbenzylphthalate
 Concen: 10.349 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141292.D
 Acq: 29 Jan 2025 11:49



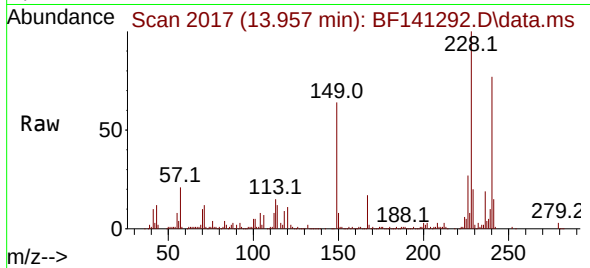
Tgt Ion:149 Resp: 106335
 Ion Ratio Lower Upper
 149 100
 91 74.4 58.6 87.8
 206 21.0 16.7 25.1





#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

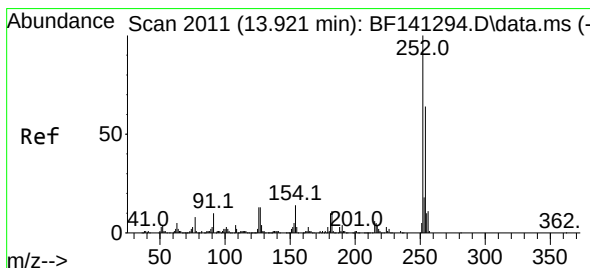
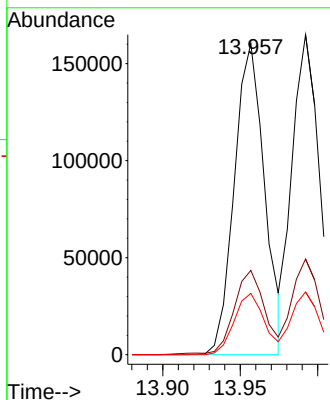
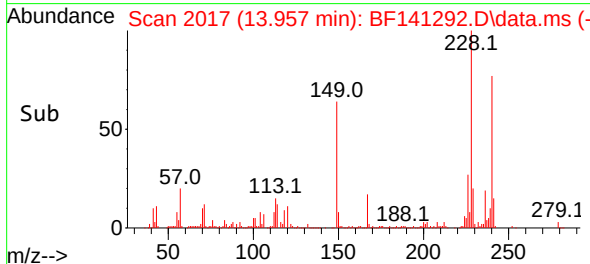
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



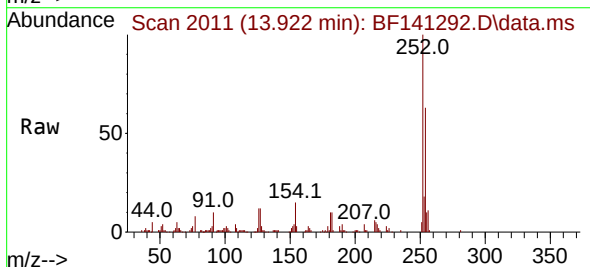
Tgt Ion:228 Resp: 21729
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations
APPROVED

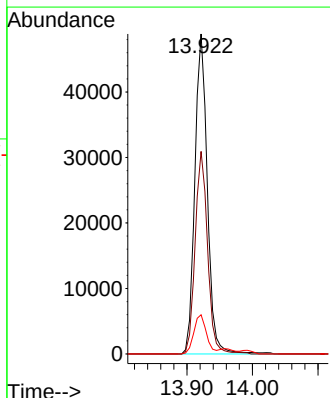
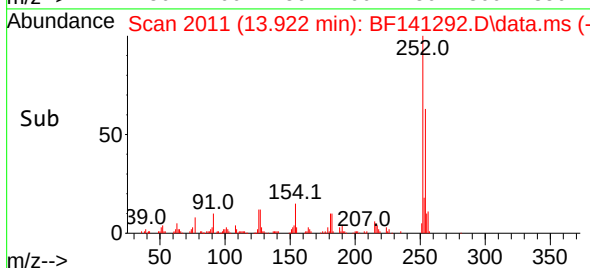
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

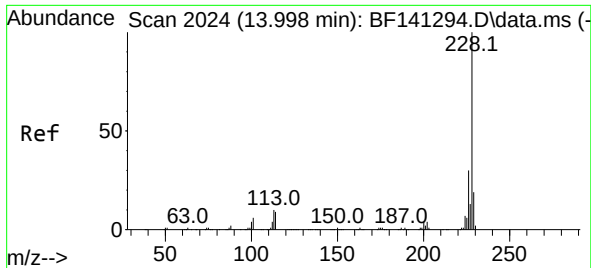


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



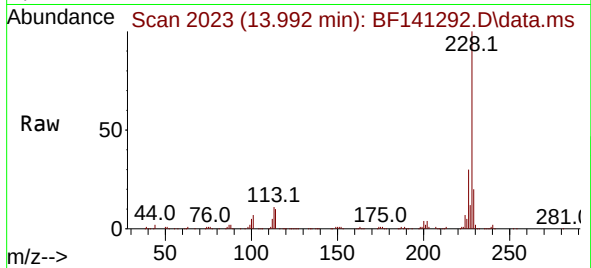
Tgt Ion:252 Resp: 65021
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.2 10.0 15.0





#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

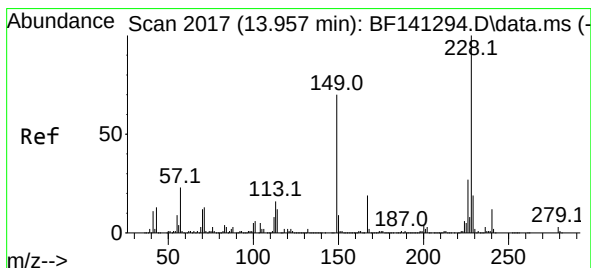
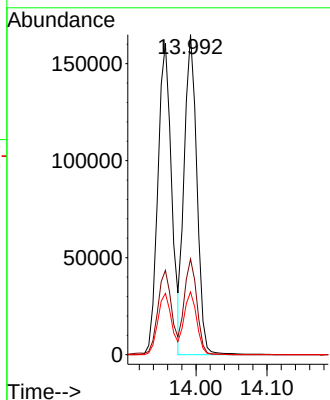
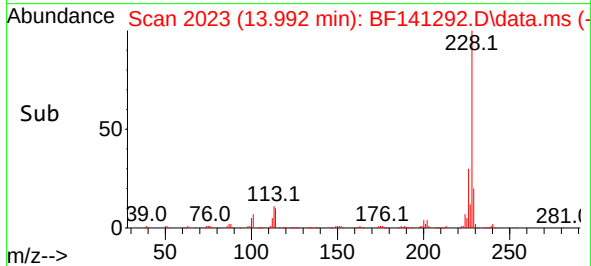
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



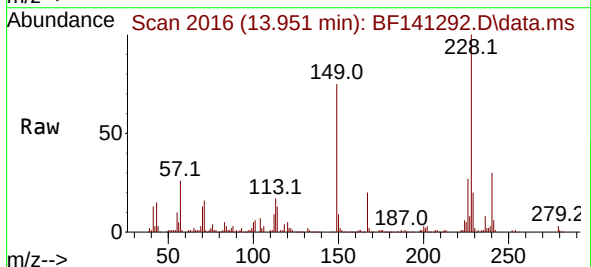
Tgt Ion:228 Resp: 204080
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.6 15.6 23.4

Manual Integrations
APPROVED

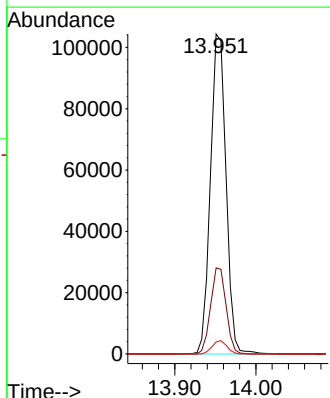
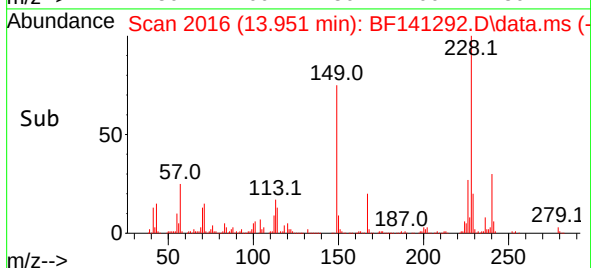
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

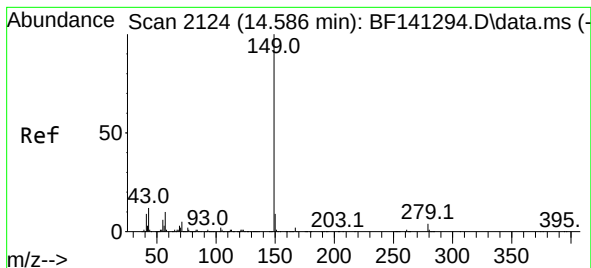


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





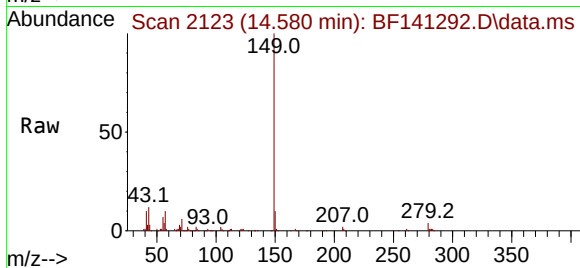
#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

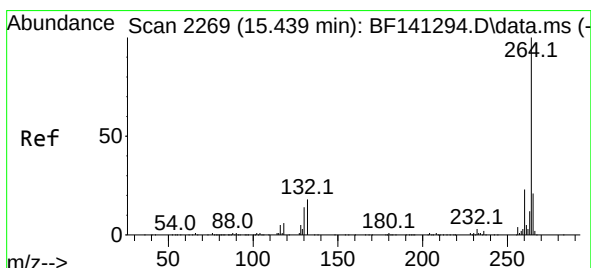
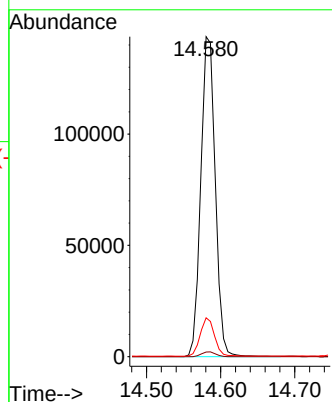
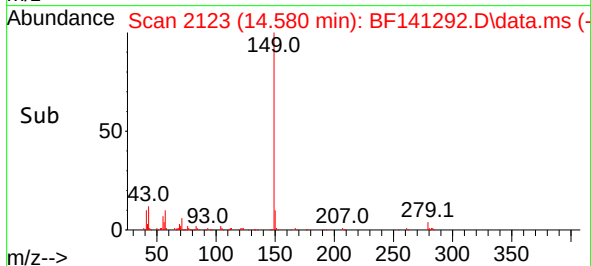
SSTDICC010



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

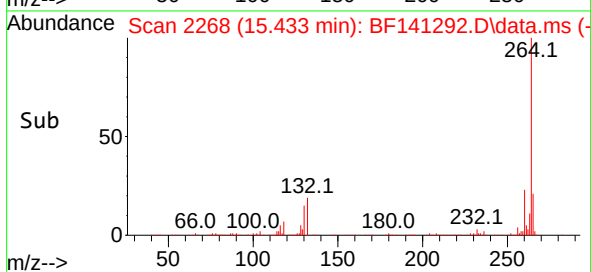
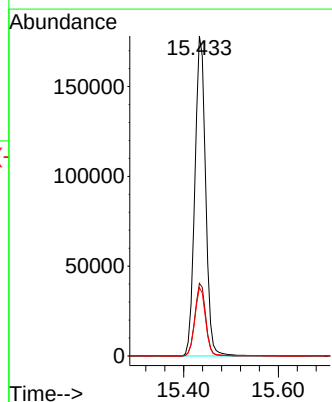
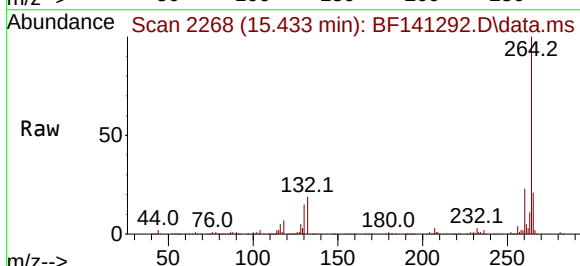
Manual Integrations
APPROVED

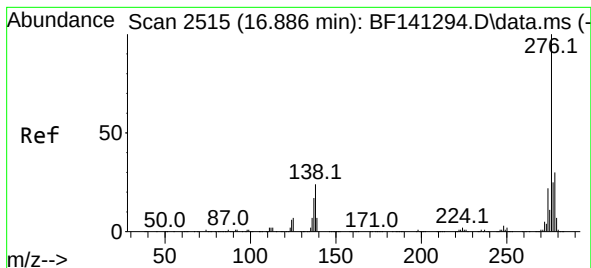
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

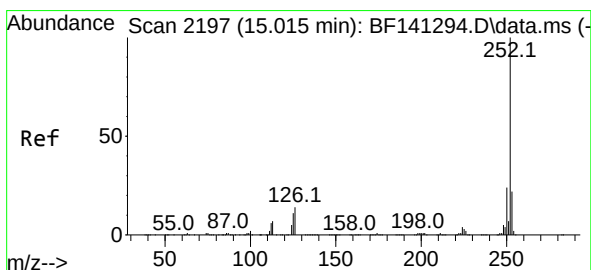
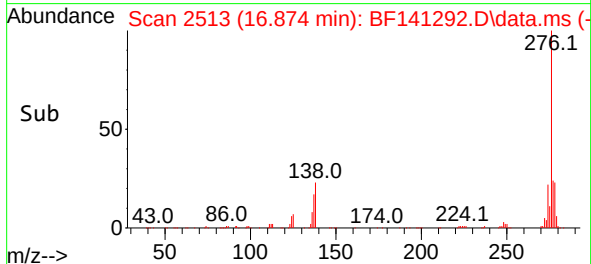
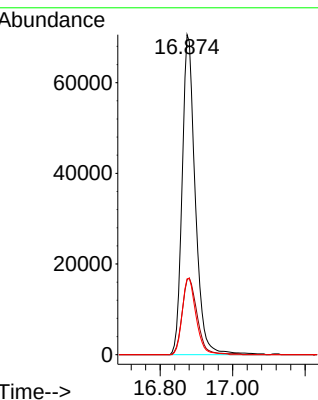
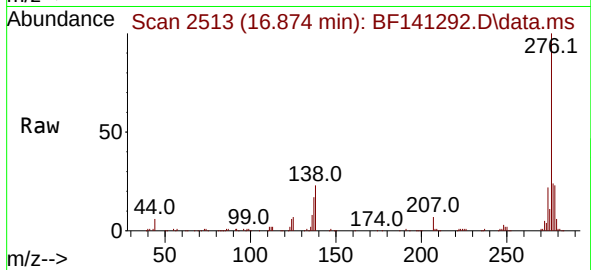
277 25.1 20.3 30.5

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

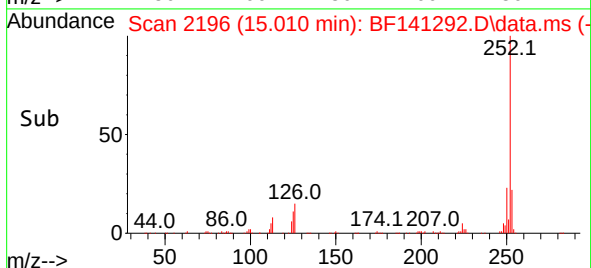
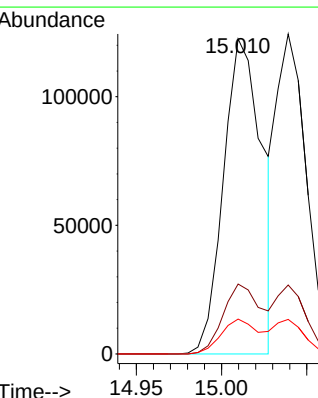
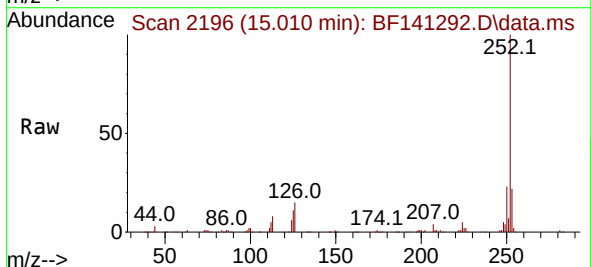
Tgt Ion:252 Resp: 193558

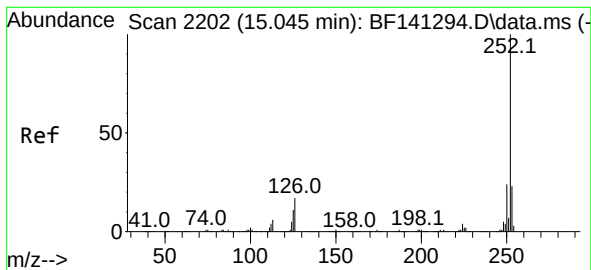
Ion Ratio Lower Upper

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 :

SSTDICC010

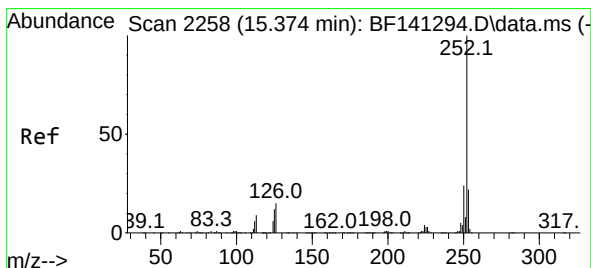
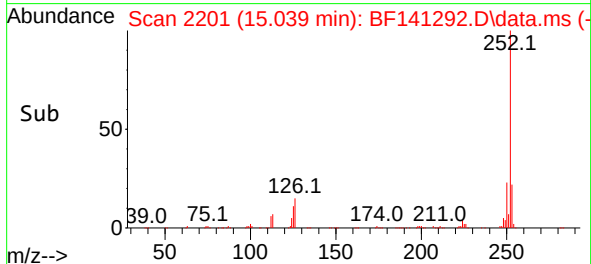
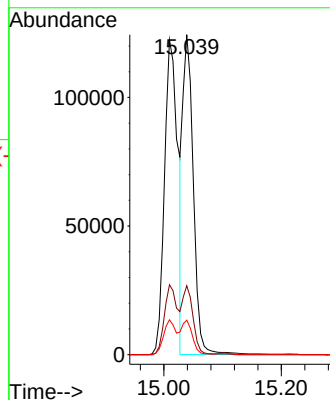
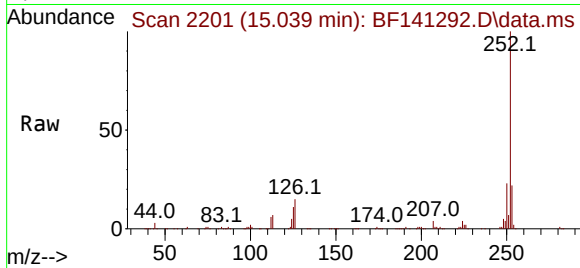
Tgt Ion:252 Resp: 155925
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.6 26.4
 125 10.8 8.4 12.6

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

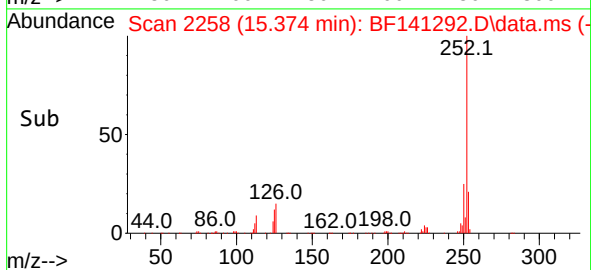
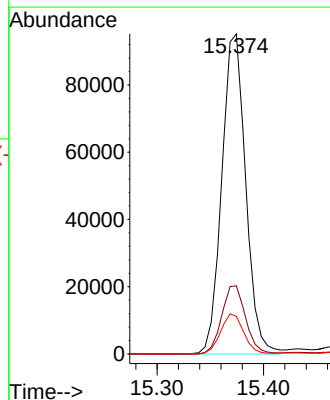
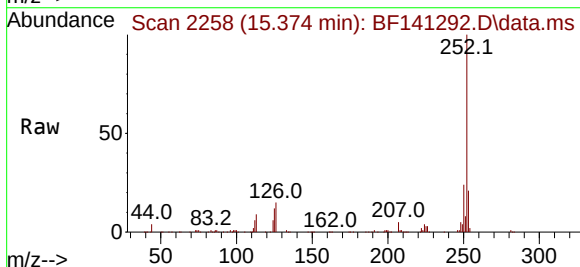
RT: 15.374 min Scan# 2258

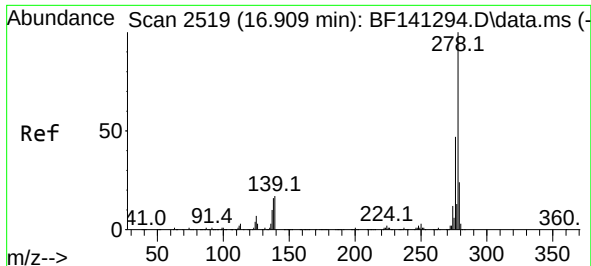
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 148214
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.2 25.8
 125 11.7 9.4 14.2





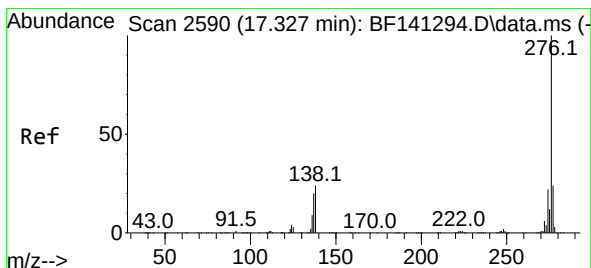
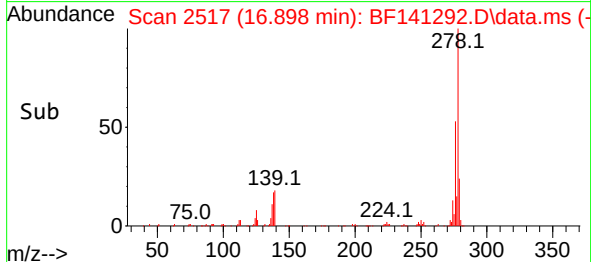
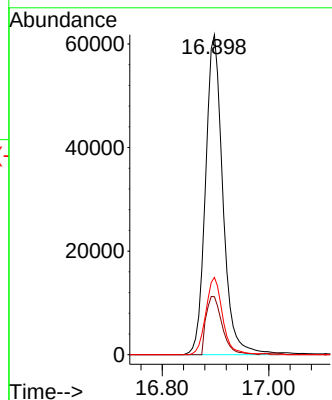
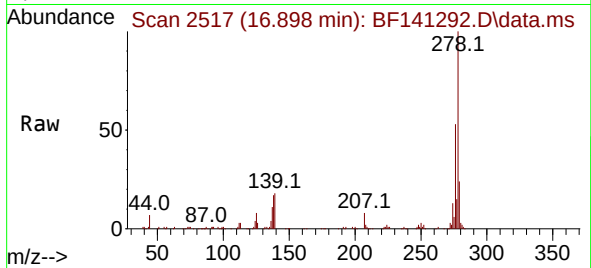
#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

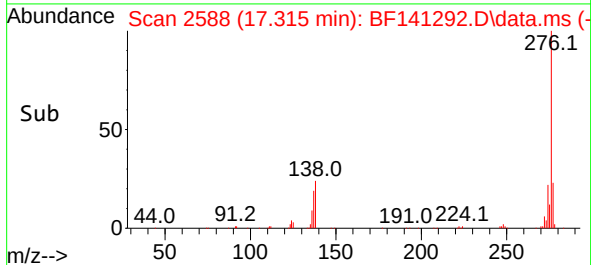
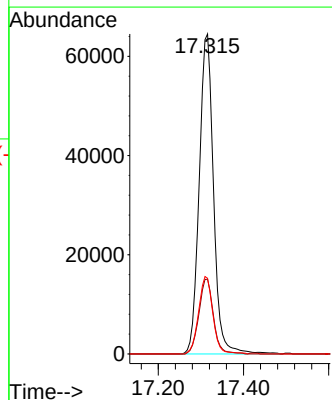
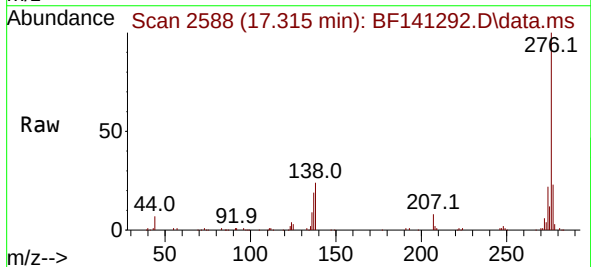
Manual Integrations
APPROVED

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

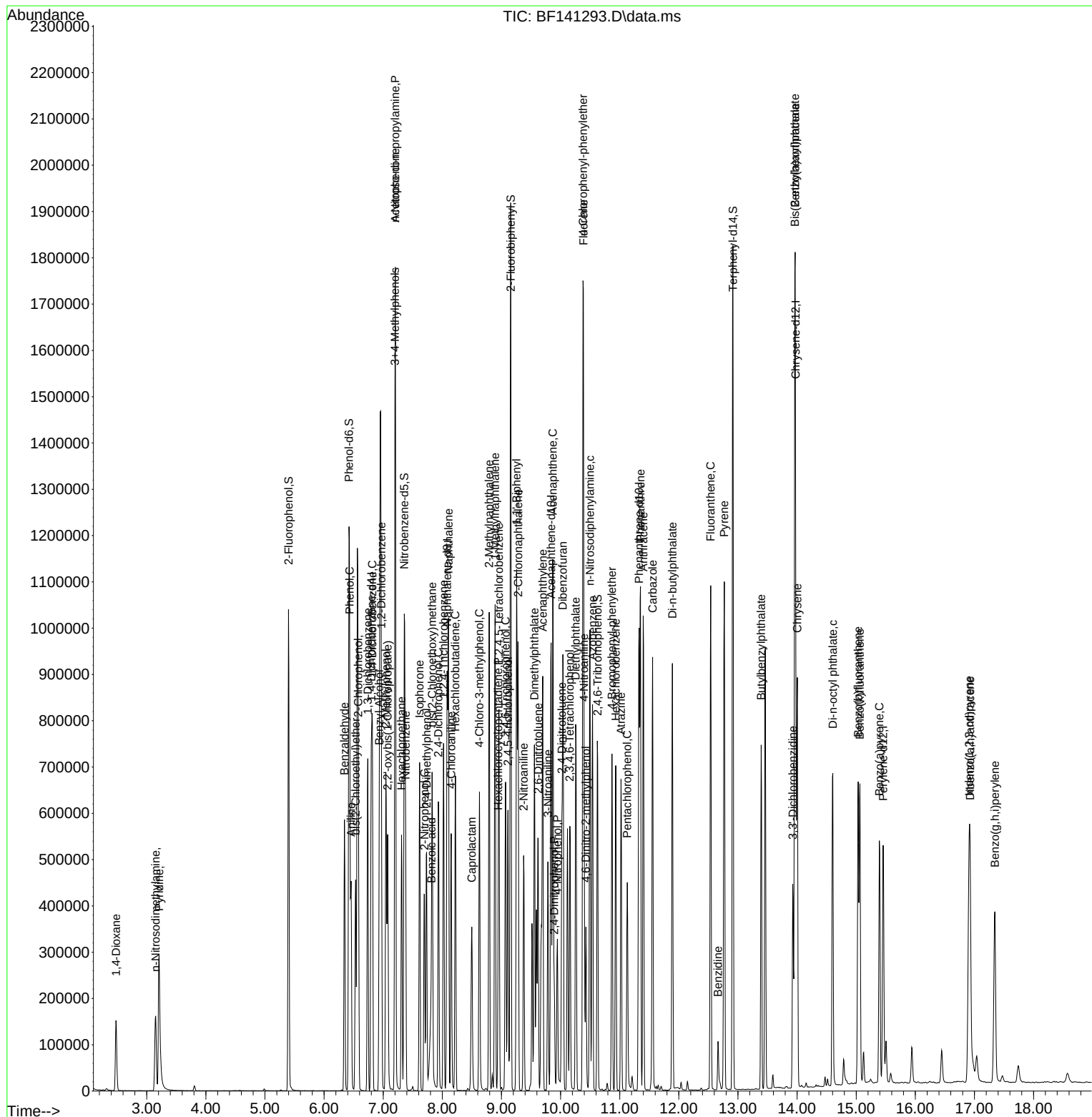
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Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

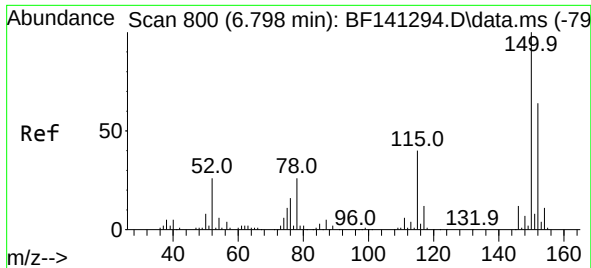
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

Manual Integrations
APPROVED

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





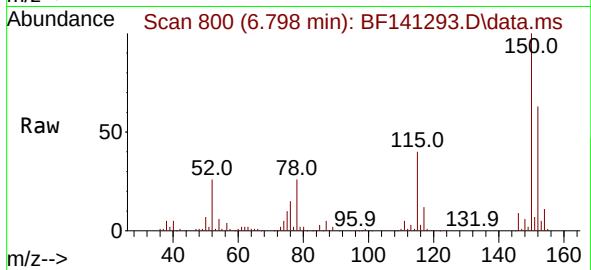
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF141293.D
 Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

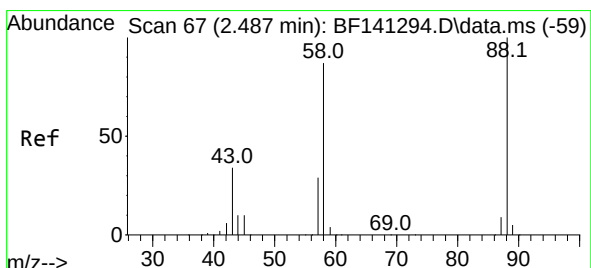
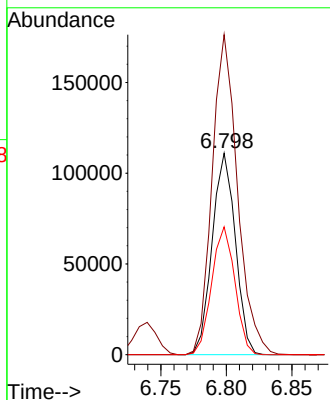
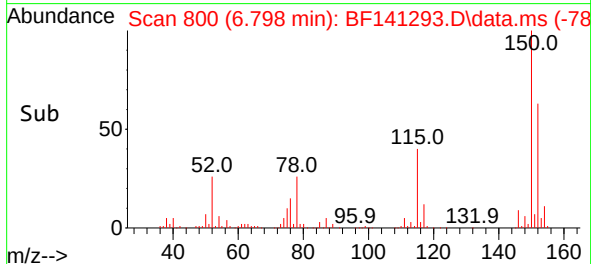
SSTDICC020



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

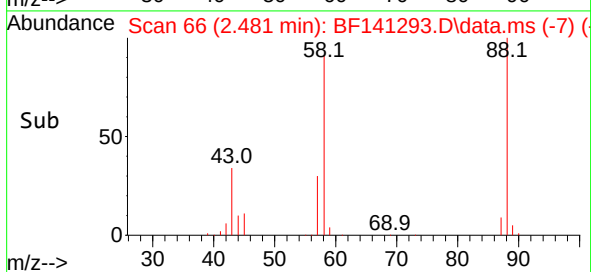
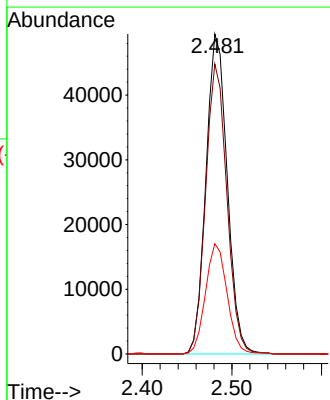
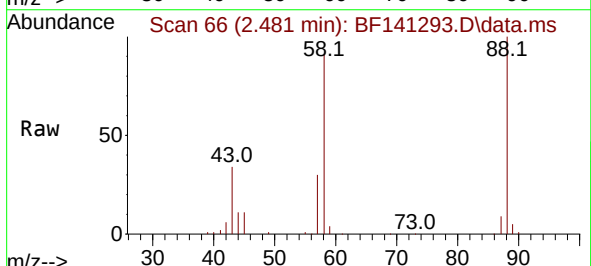
Manual Integrations
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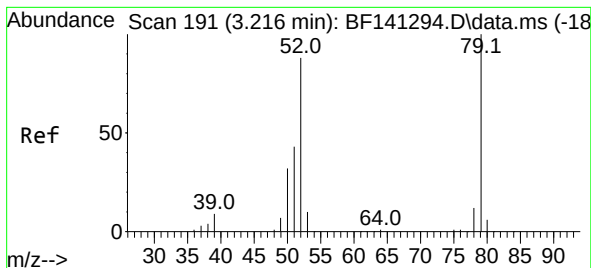
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#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

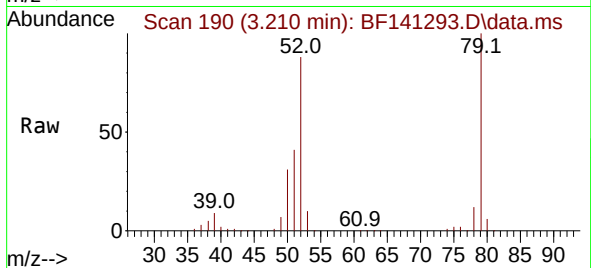
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion: 79 Resp: 19785

Ion Ratio Lower Upper

79 100

52 87.6 70.3 105.5

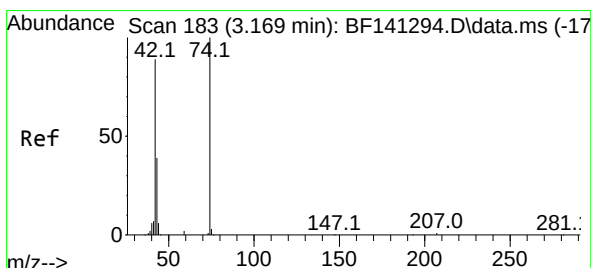
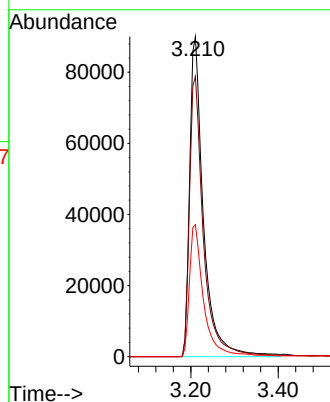
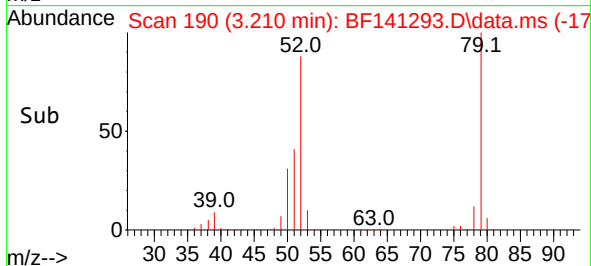
51 41.2 34.3 51.5

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

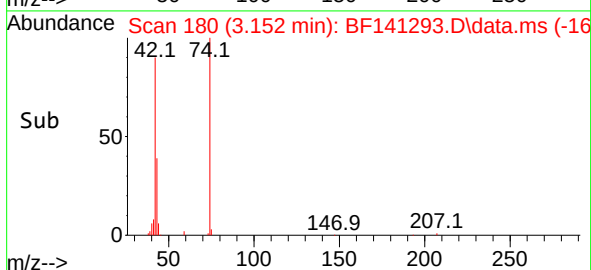
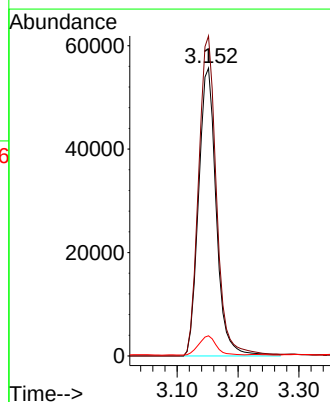
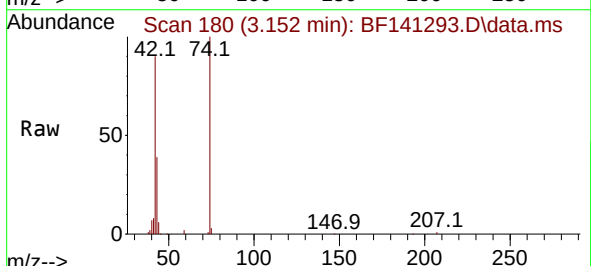
Tgt Ion: 42 Resp: 112451

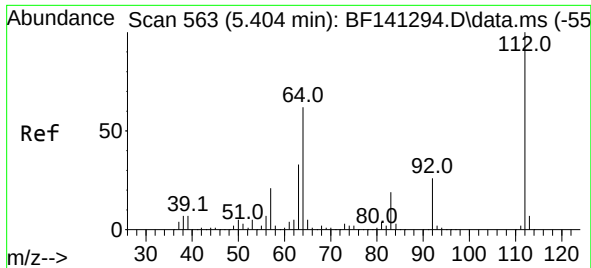
Ion Ratio Lower Upper

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# 50
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

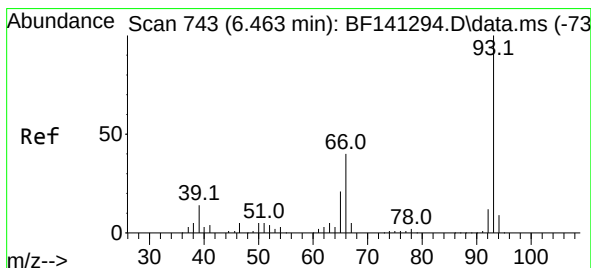
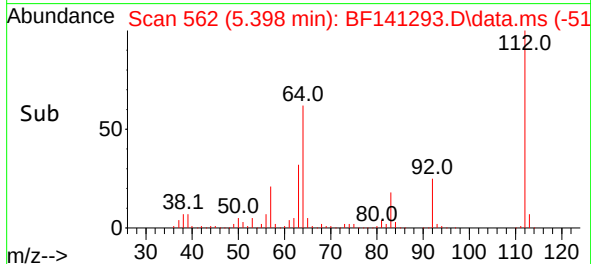
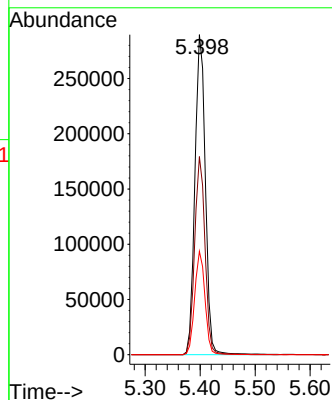
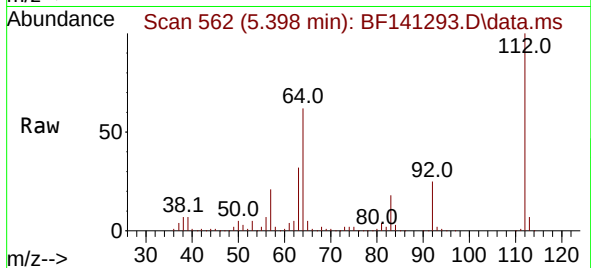
ClientSampleId :

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

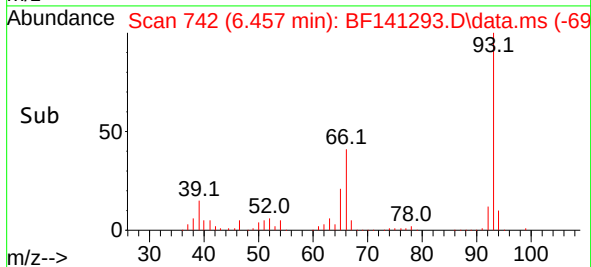
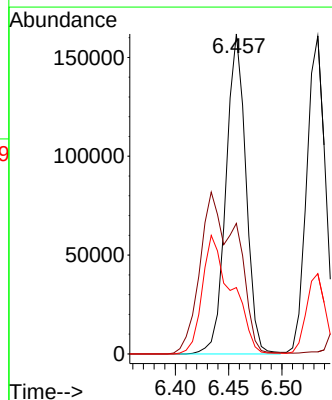
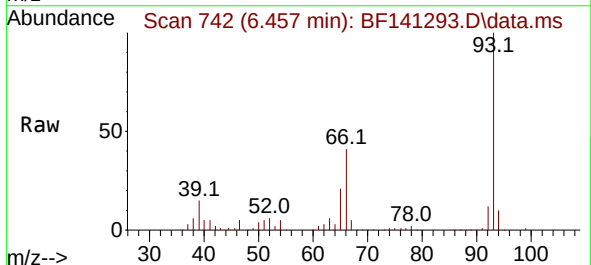
Manual Integrations
APPROVED

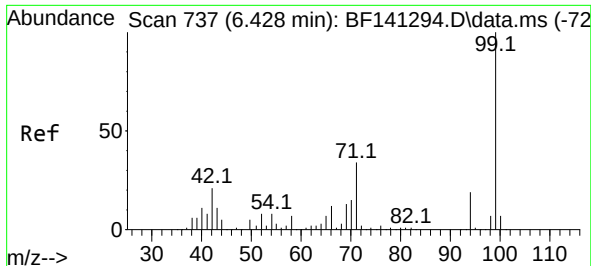
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

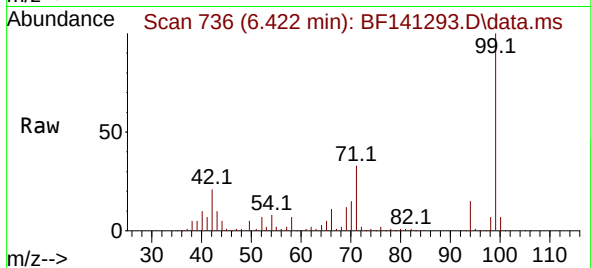
Tgt Ion: 93 Resp: 210459
Ion Ratio Lower Upper
93 100
66 40.8 32.5 48.7
65 20.7 17.0 25.6





#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

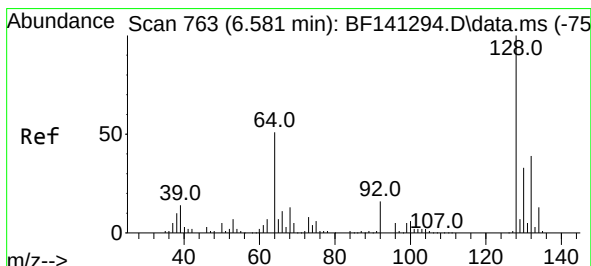
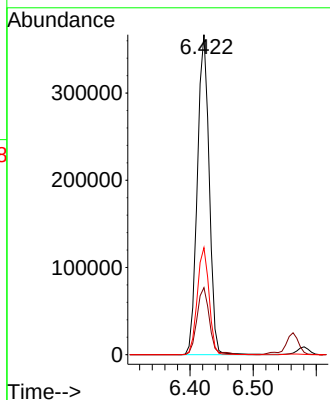
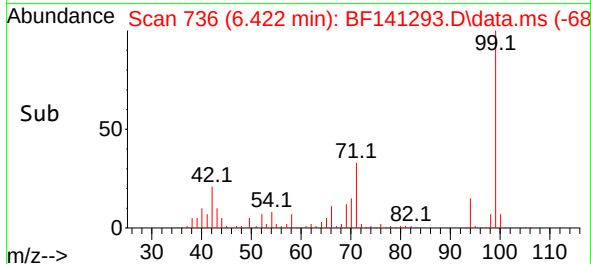
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



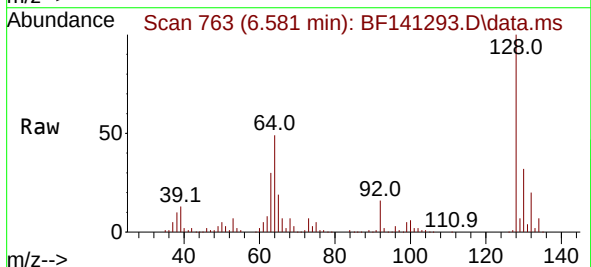
Tgt Ion: 99 Resp: 475870
Ion Ratio Lower Upper
99 100
42 20.9 17.1 25.7
71 33.5 26.9 40.3

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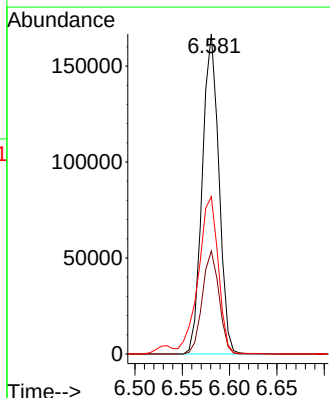
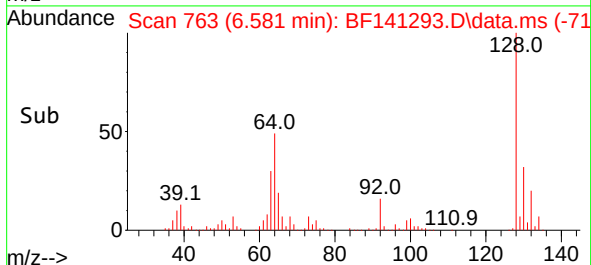
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

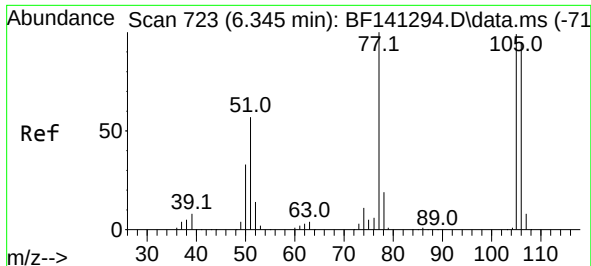


#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



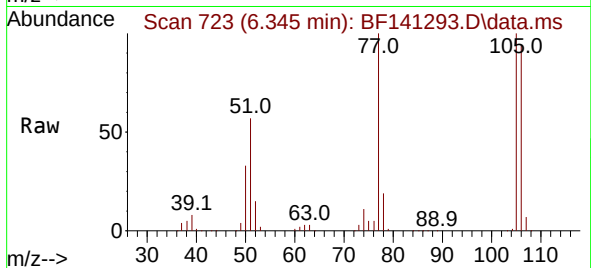
Tgt Ion:128 Resp: 203008
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 49.1 32.9 72.9





#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

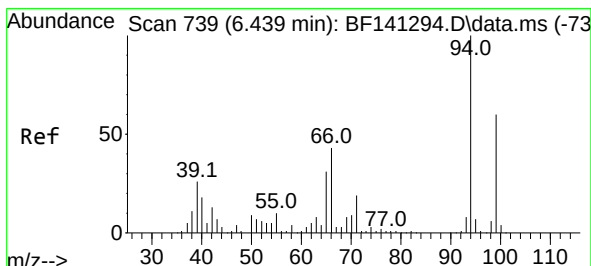
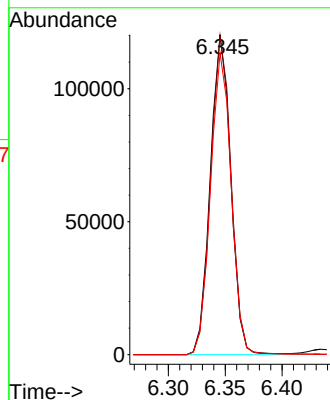
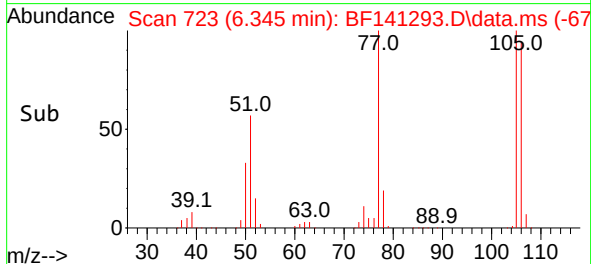
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BNA_F
ClientSampleId :
SSTDICC020



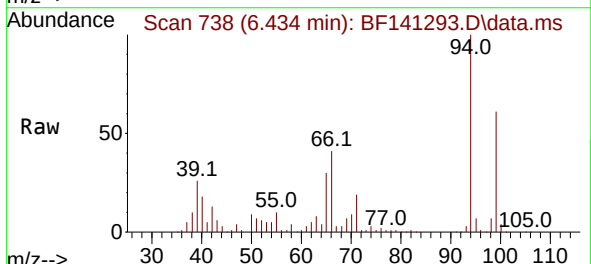
Tgt Ion: 77 Resp: 150679
Ion Ratio Lower Upper
77 100
105 99.7 79.4 119.4
106 94.2 74.6 114.6

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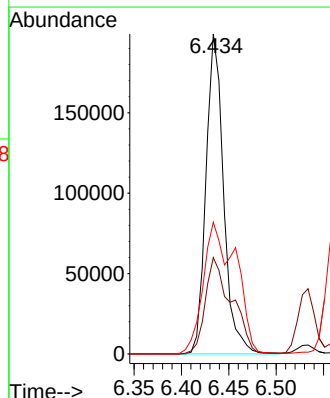
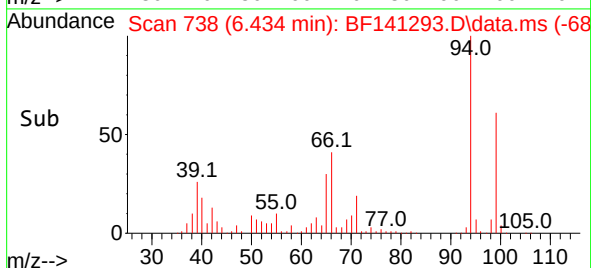
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

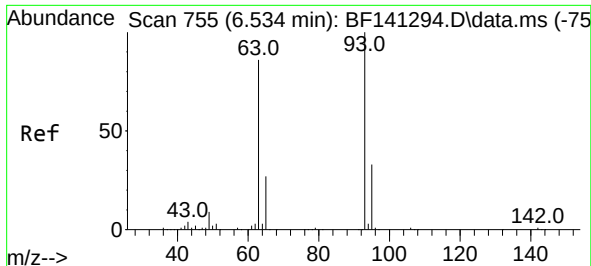


#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





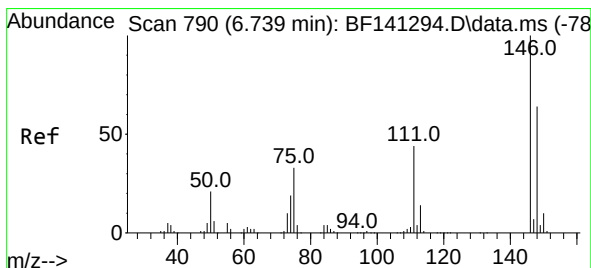
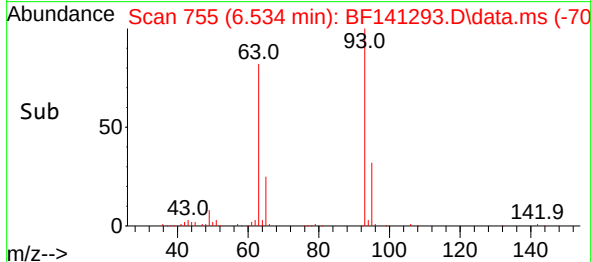
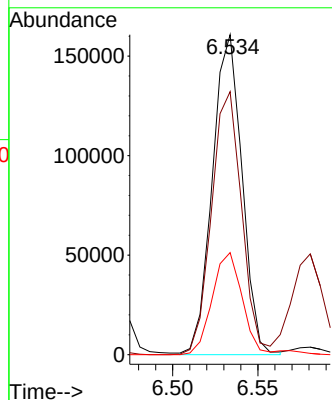
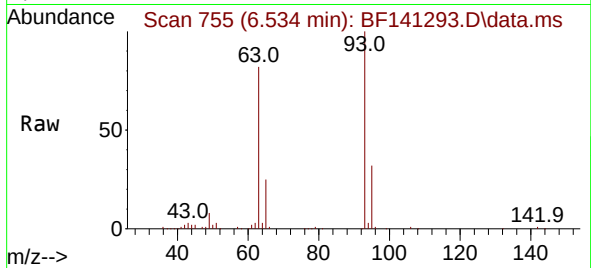
#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

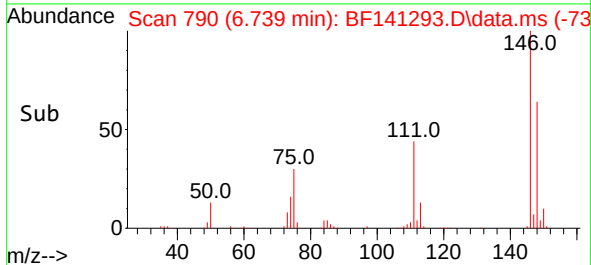
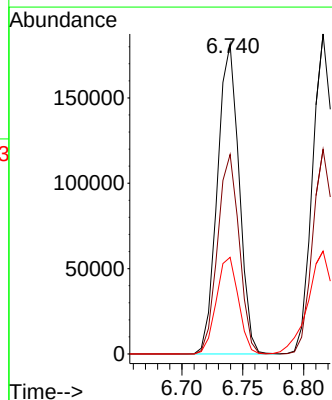
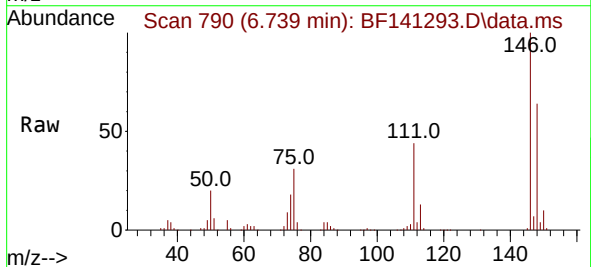
Manual Integrations
APPROVED

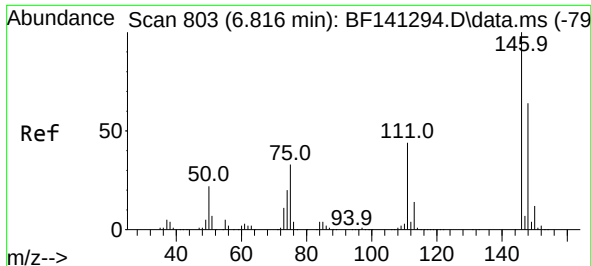
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





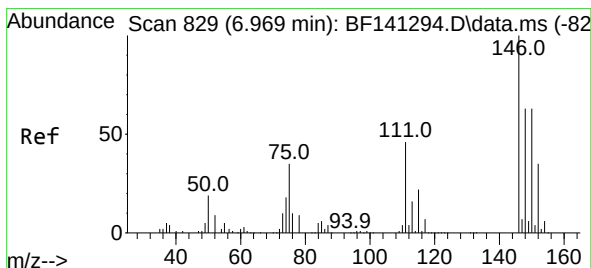
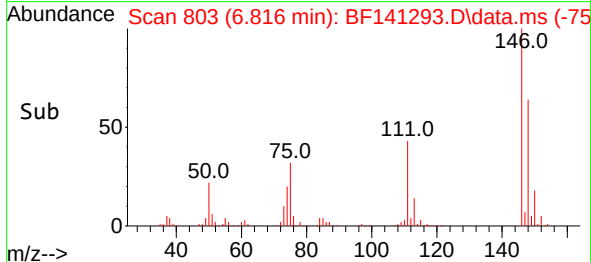
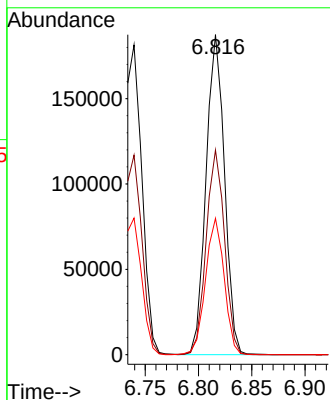
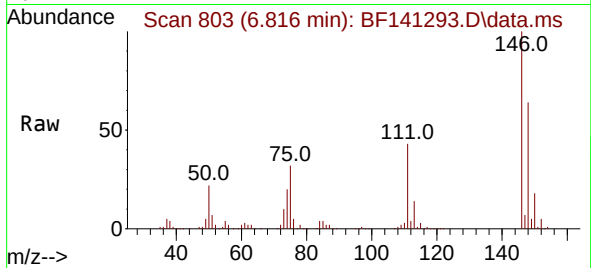
#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

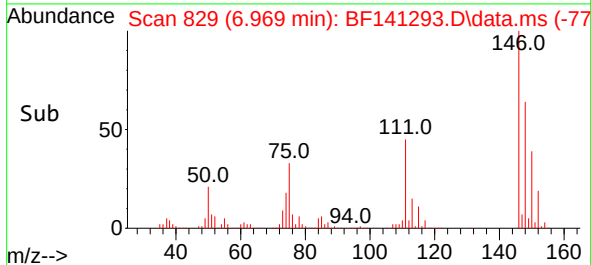
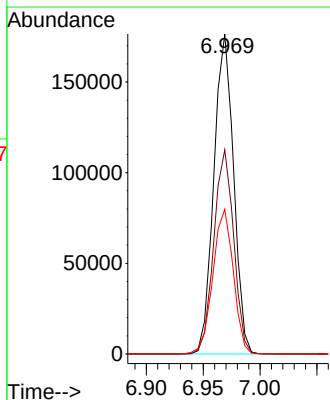
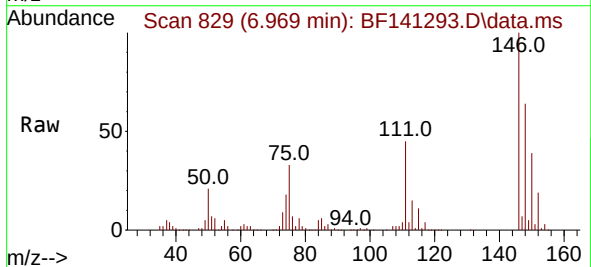
Manual Integrations
APPROVED

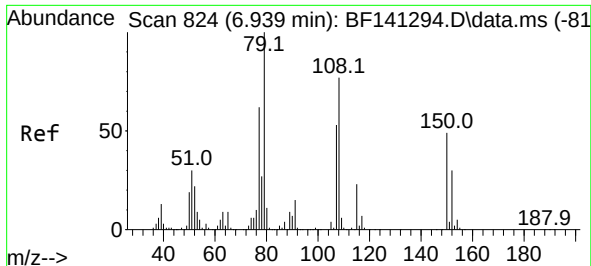
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

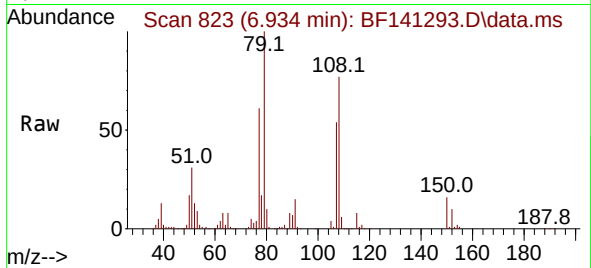
Tgt Ion:146 Resp: 213616
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
111 45.2 36.6 55.0





#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

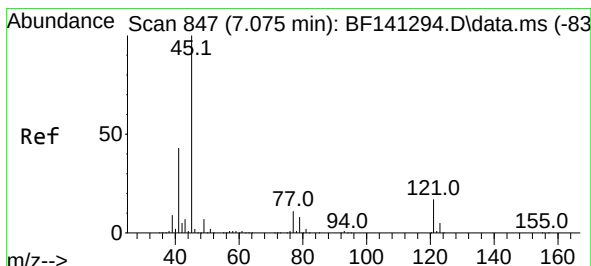
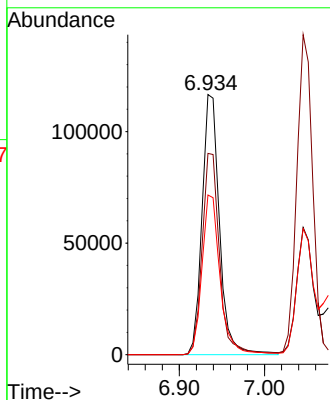
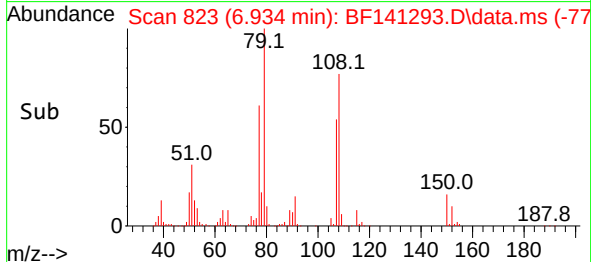
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



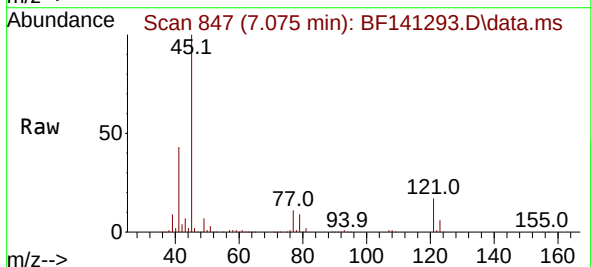
Tgt Ion: 79 Resp: 166008
Ion Ratio Lower Upper
79 100
108 77.4 61.4 92.0
77 61.4 49.9 74.9

Manual Integrations
APPROVED

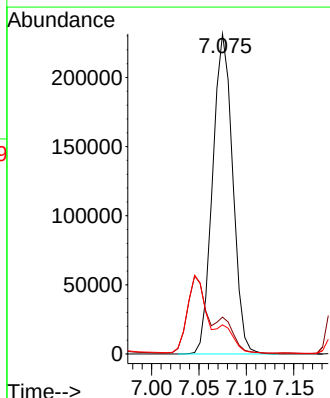
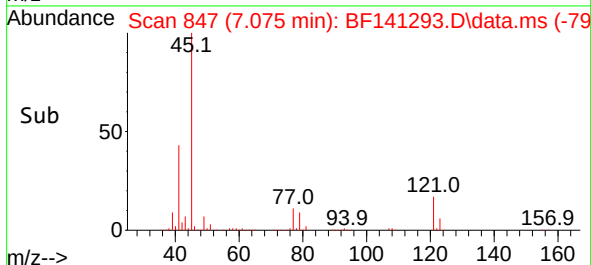
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

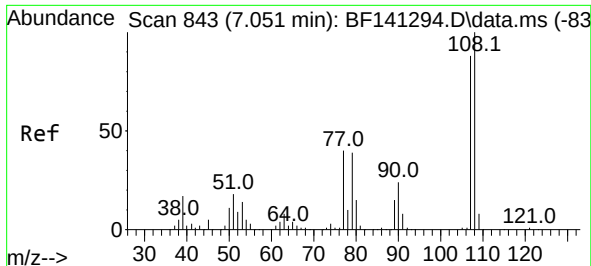


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



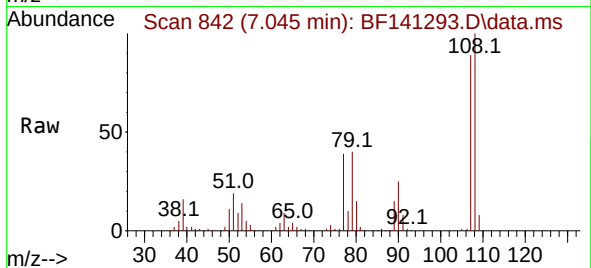
Tgt Ion: 45 Resp: 340590
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.1 0.0 29.1





#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

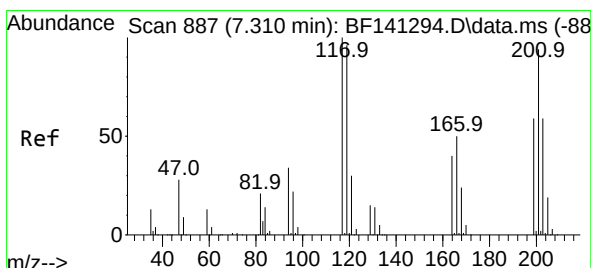
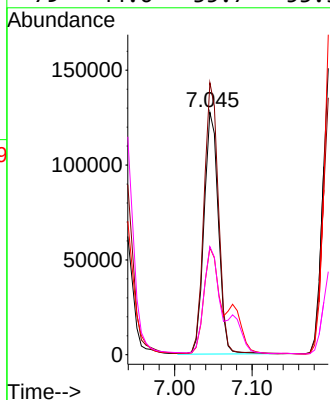
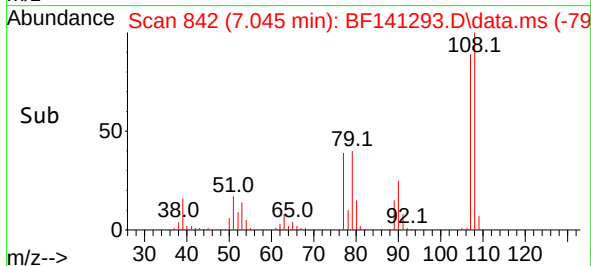
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



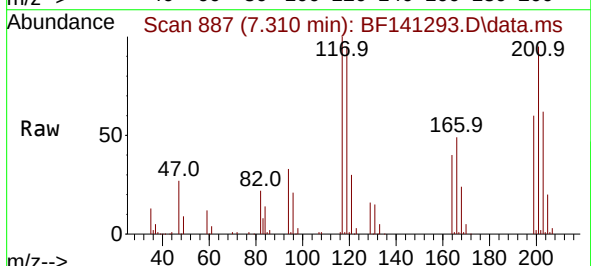
Tgt Ion:107 Resp: 16518
Ion Ratio Lower Upper
107 100
108 112.2 90.8 136.2
77 44.2 36.2 54.4
79 44.6 35.7 53.5

Manual Integrations
APPROVED

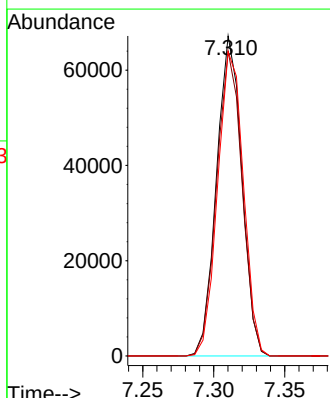
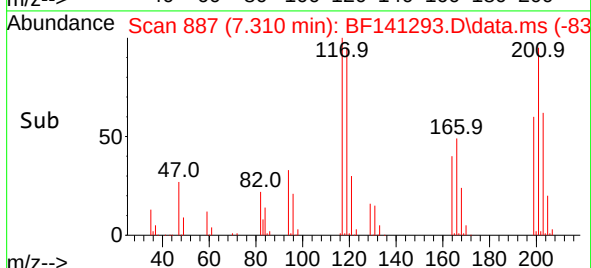
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

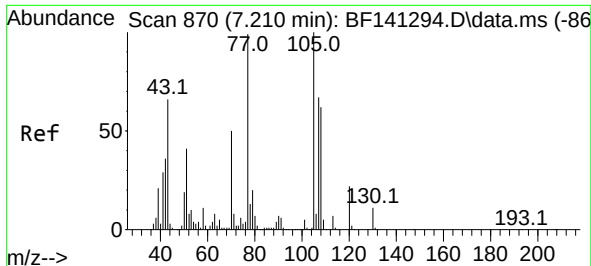


#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





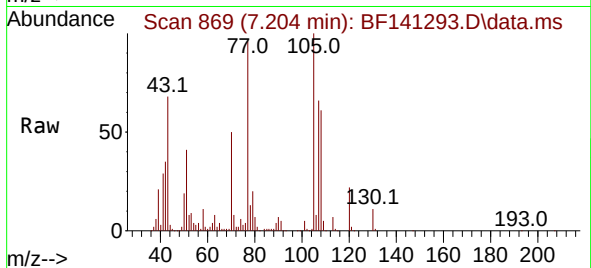
#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

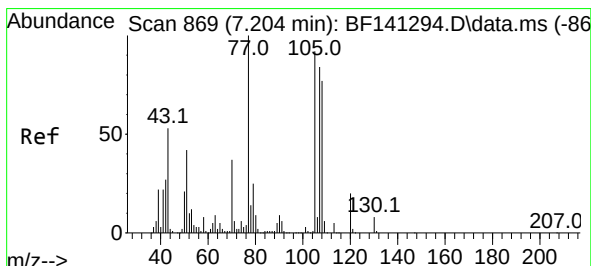
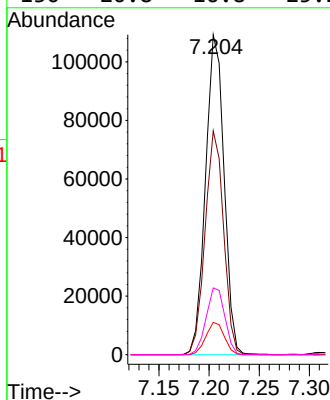
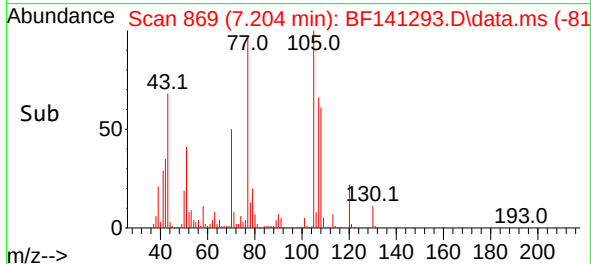
SSTDICC020



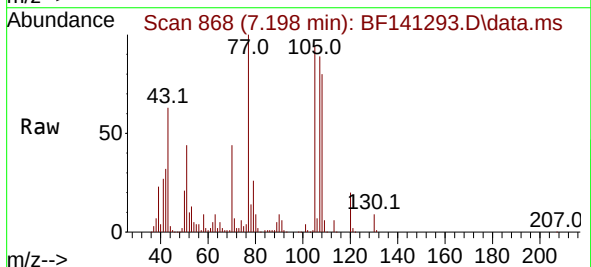
Tgt Ion: 70 Resp: 140874
Ion Ratio Lower Upper
70 100
42 69.9 56.8 85.2
101 10.1 7.7 11.5
130 20.8 16.8 25.2

Manual Integrations
APPROVED

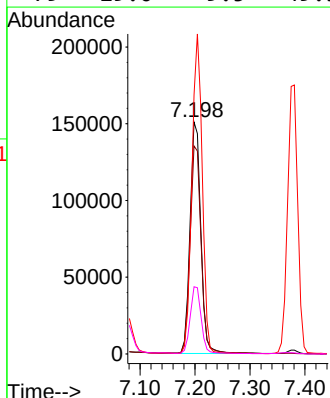
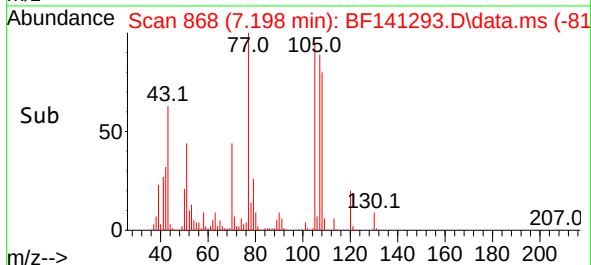
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

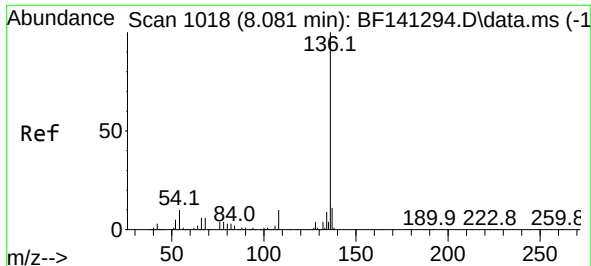


#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



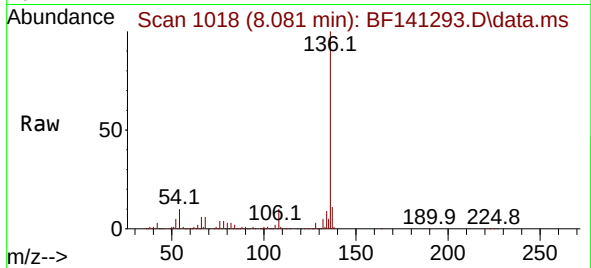
Tgt Ion:107 Resp: 205070
Ion Ratio Lower Upper
107 100
108 89.7 70.9 110.9
77 111.7 98.5 138.5
79 29.0 9.5 49.5





#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

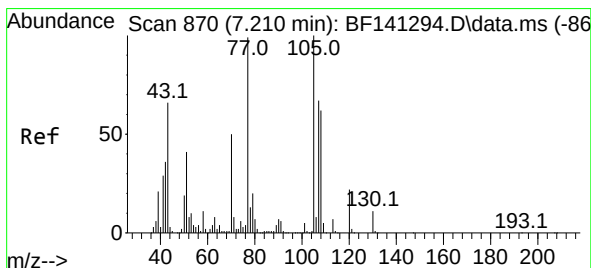
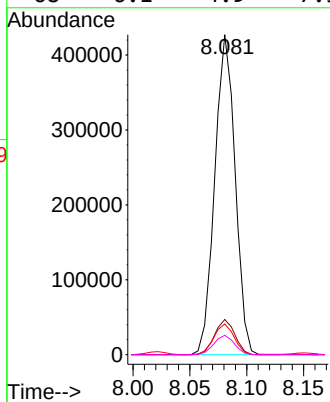
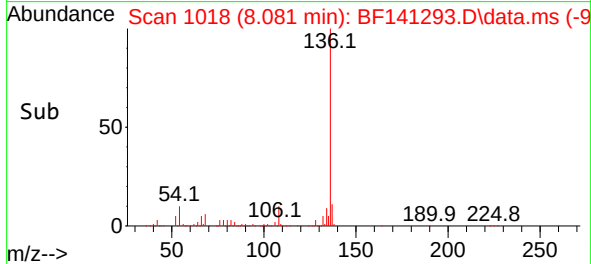
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



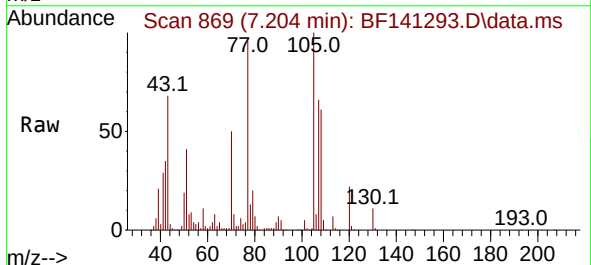
Tgt Ion:	136	Resp:	53286
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3

Manual Integrations
APPROVED

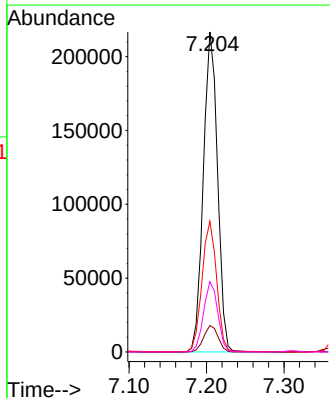
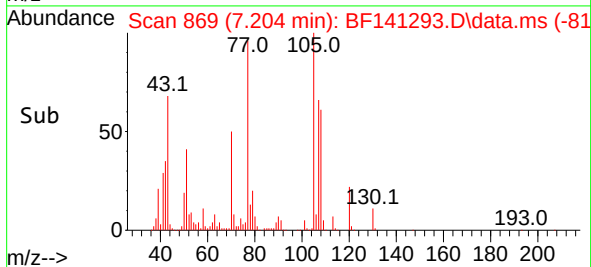
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

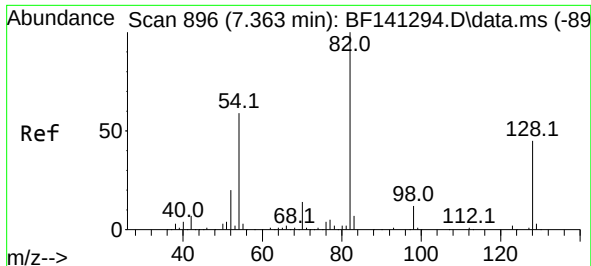


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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

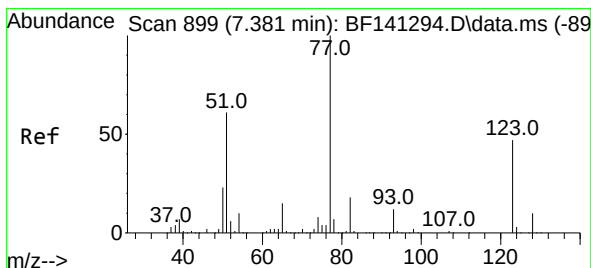
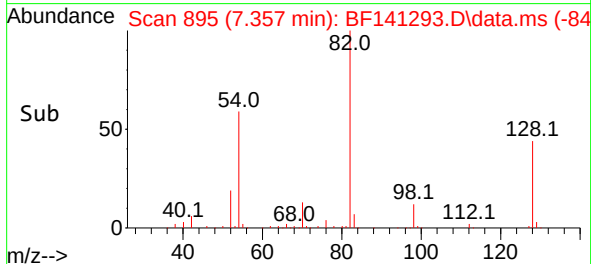
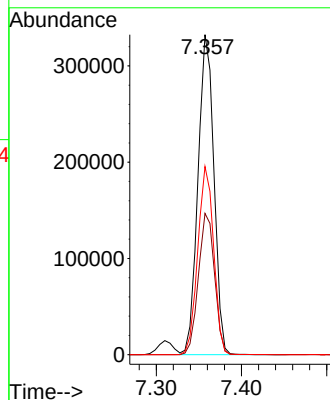
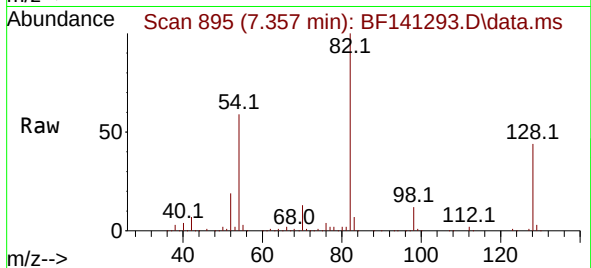
ClientSampleId :

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



#24

Nitrobenzene

Concen: 21.451 ng

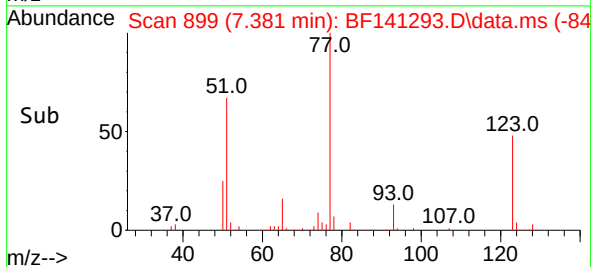
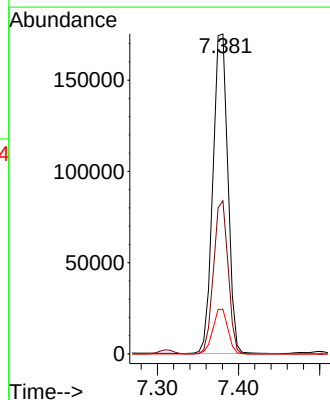
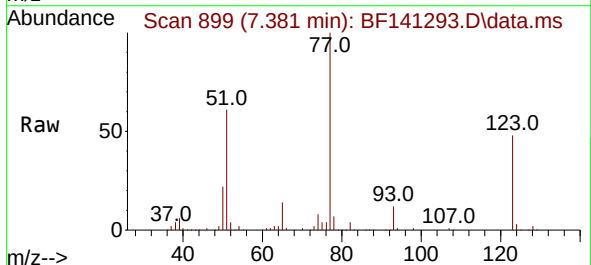
RT: 7.381 min Scan# 899

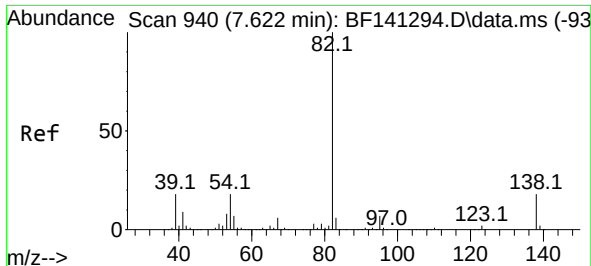
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

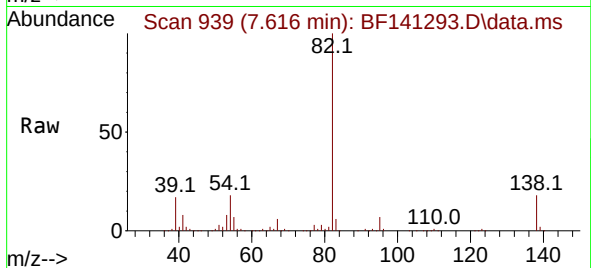
Tgt Ion: 77 Resp: 224061
 Ion Ratio Lower Upper
 77 100
 123 47.8 37.3 55.9
 65 13.9 11.8 17.6





#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

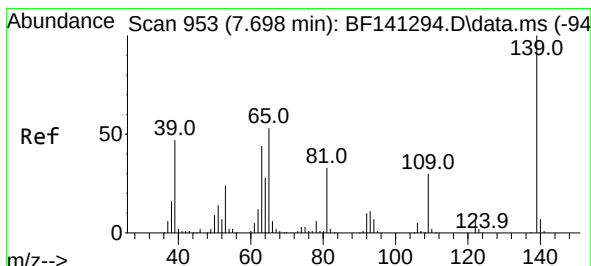
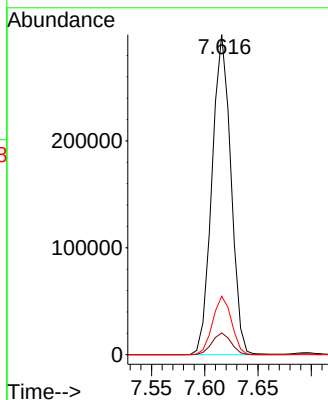
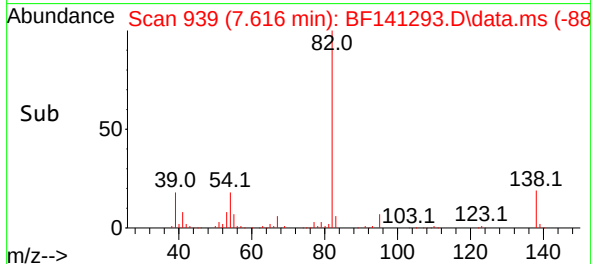
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



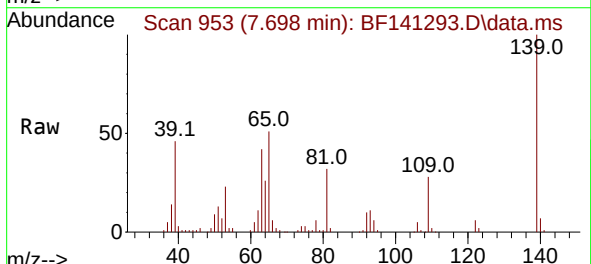
Tgt Ion: 82 Resp: 369998
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 18.2 14.7 22.1

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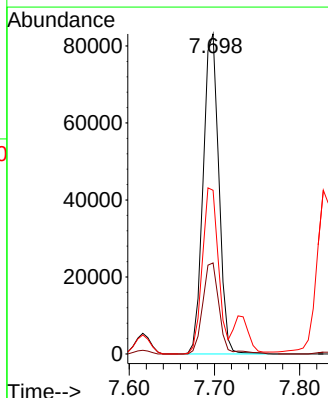
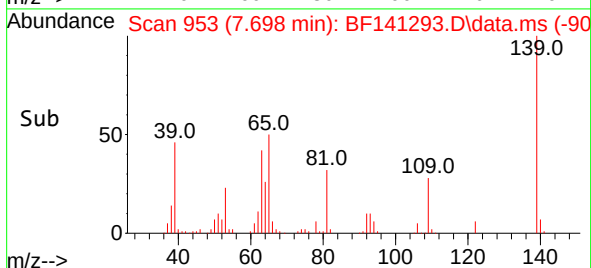
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

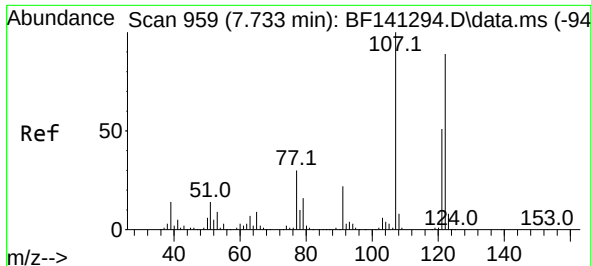


#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



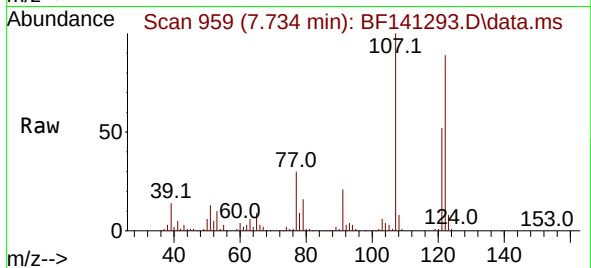
Tgt Ion:139 Resp: 106287
Ion Ratio Lower Upper
139 100
109 28.5 23.8 35.6
65 51.2 42.2 63.4





#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

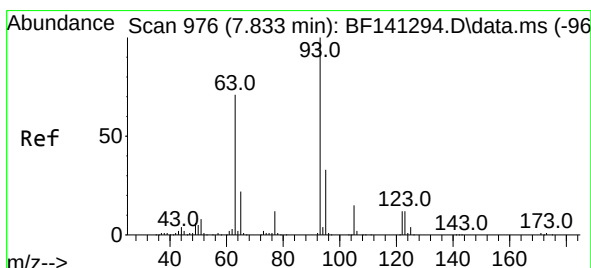
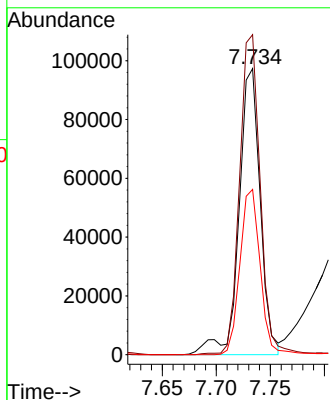
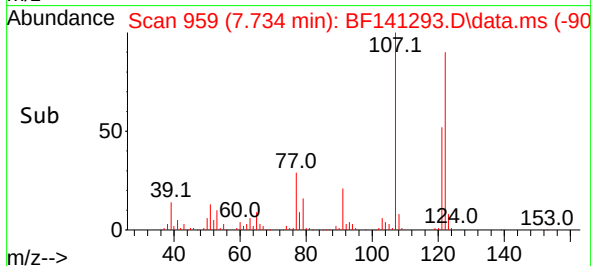
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



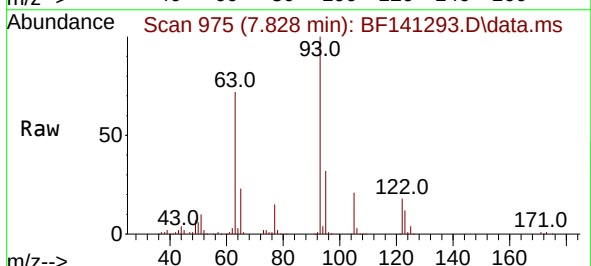
Tgt Ion:122 Resp: 132748
Ion Ratio Lower Upper
122 100
107 111.9 89.9 134.9
121 57.8 46.1 69.1

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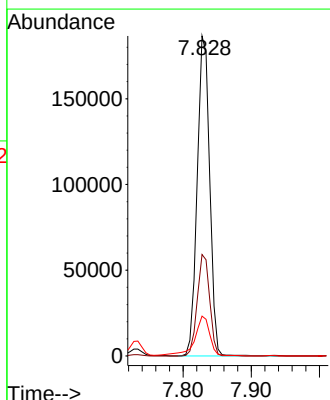
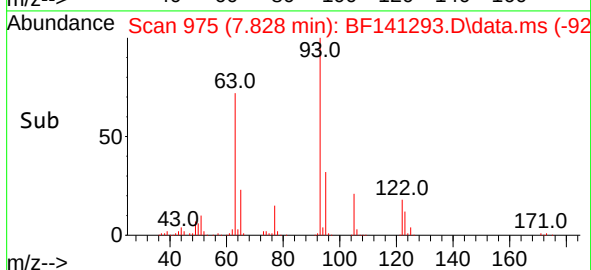
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

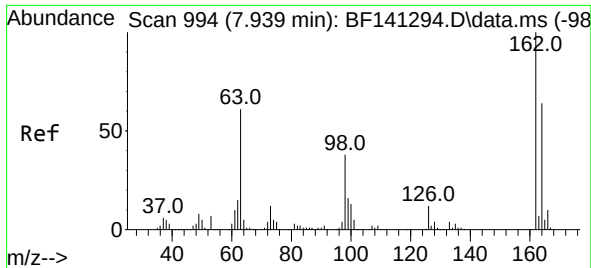


#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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

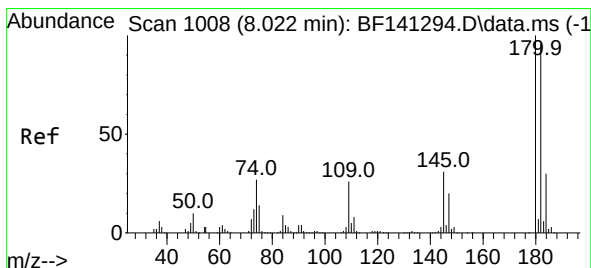
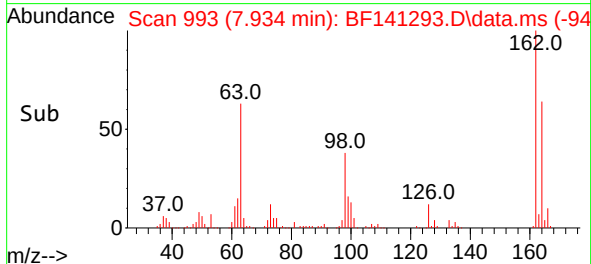
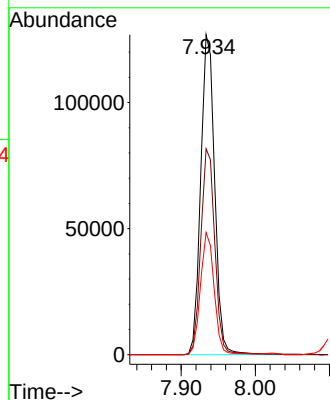
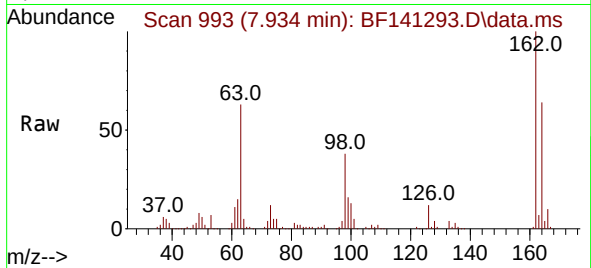
ClientSampleId :

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

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



#30

1,2,4-Trichlorobenzene

Concen: 21.511 ng

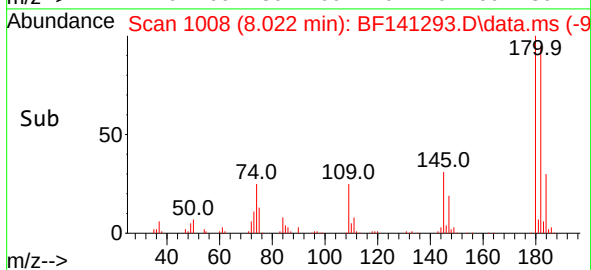
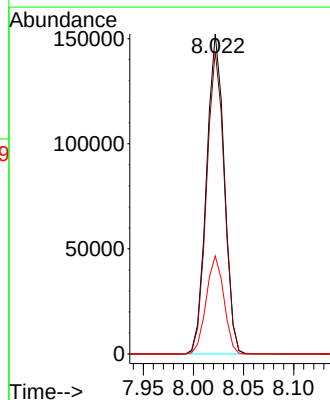
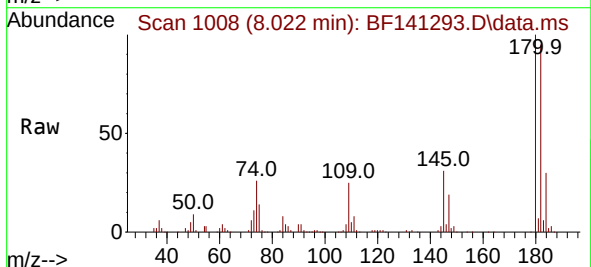
RT: 8.022 min Scan# 1008

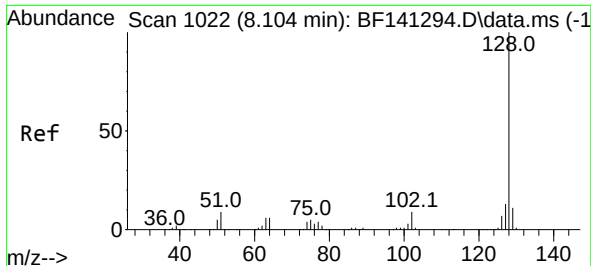
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

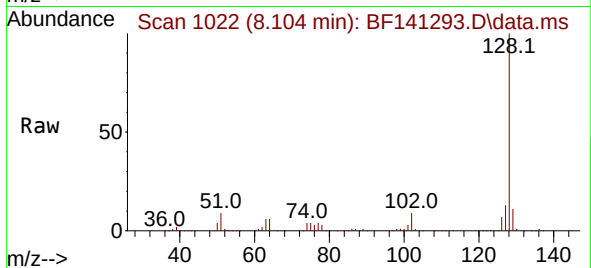
Tgt Ion:180	Resp: 188468
Ion Ratio	Lower Upper
180 100	
182 94.7	76.4 114.6
145 30.6	24.9 37.3





#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

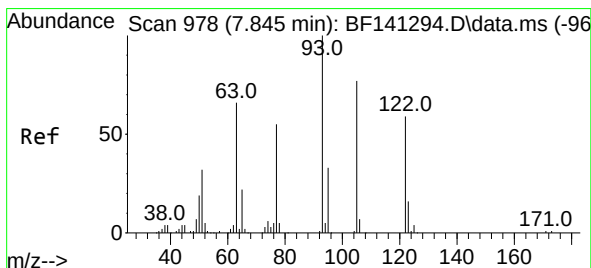
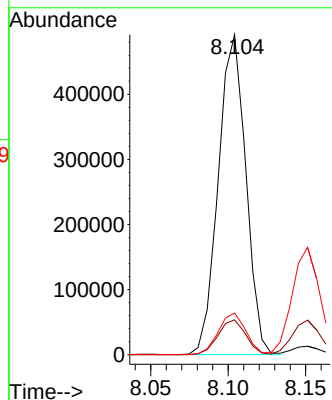
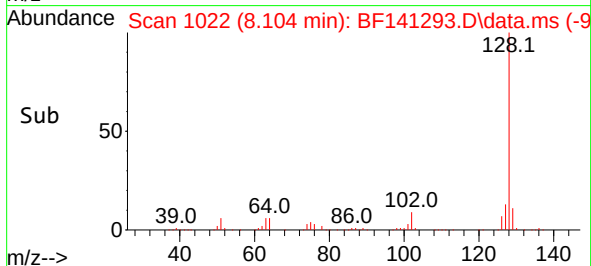
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

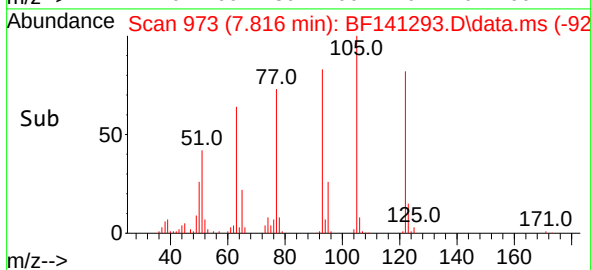
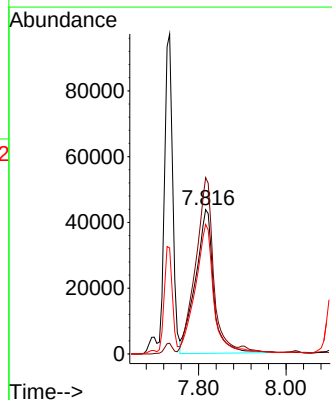
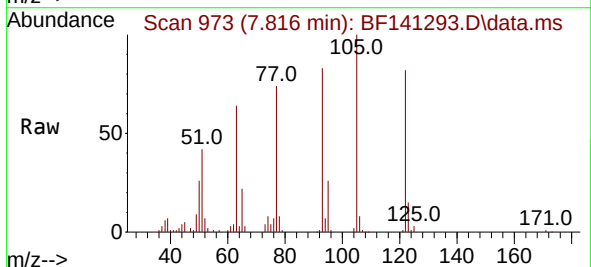
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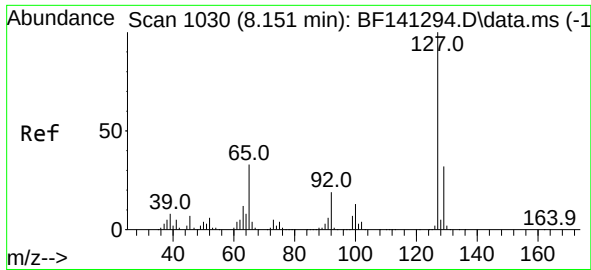
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

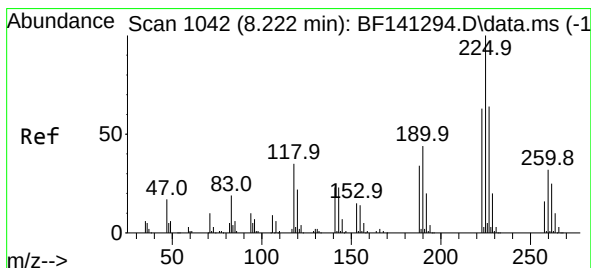
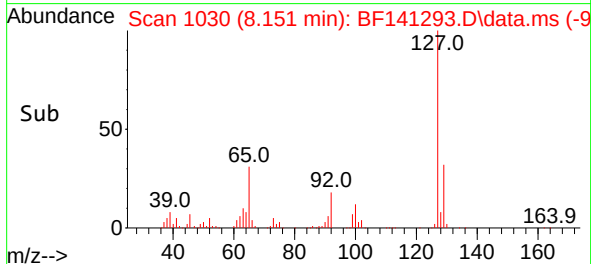
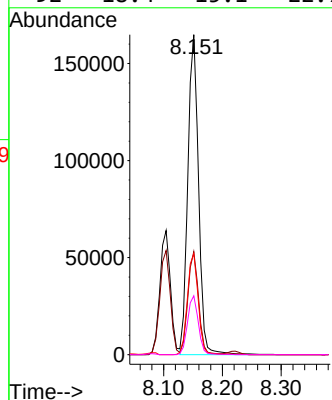
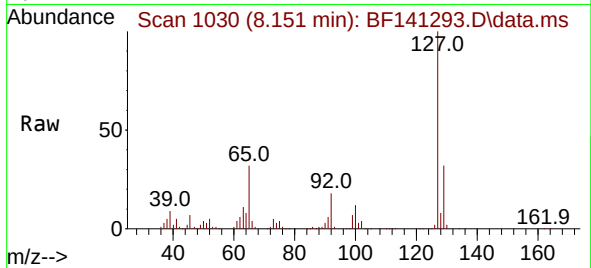
ClientSampleId :

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

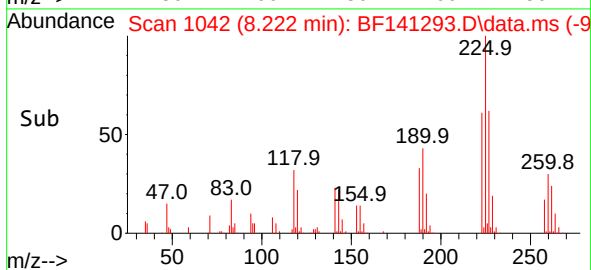
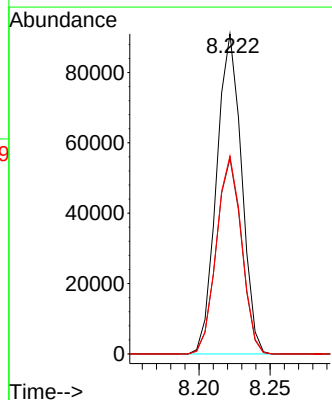
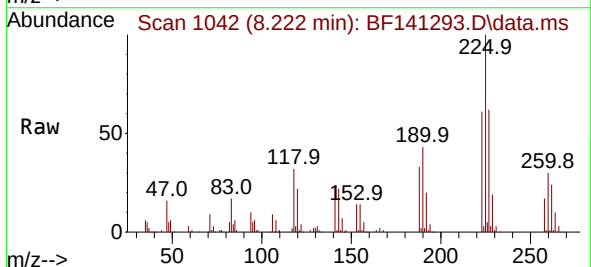
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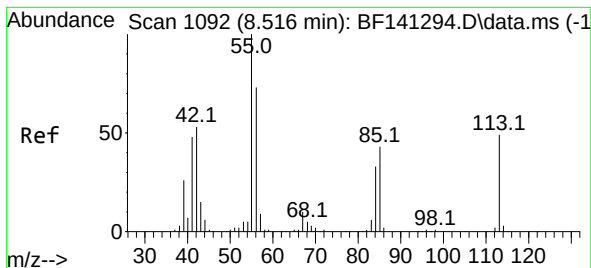
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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# 1092

Delta R.T. -0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

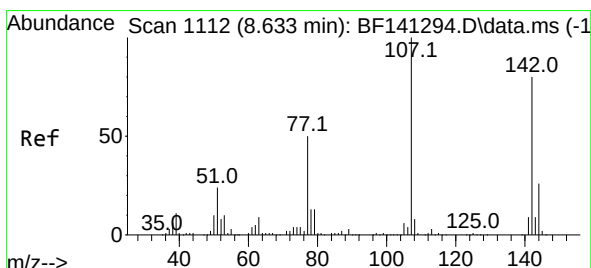
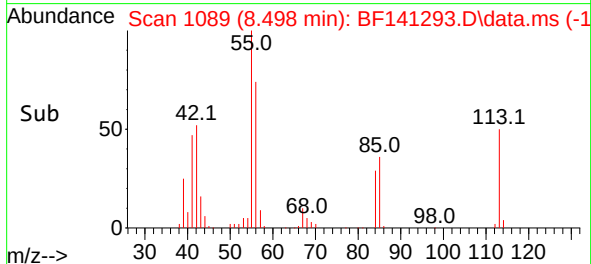
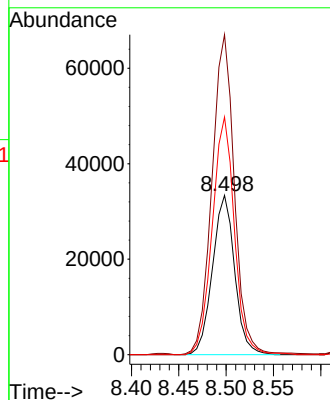
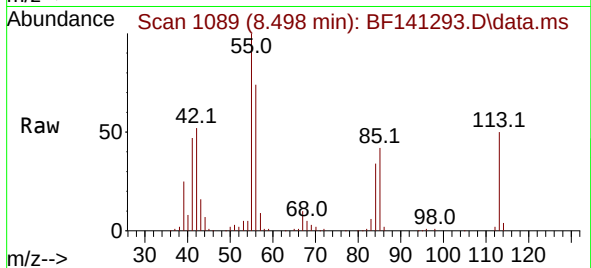
ClientSampleId :

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

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



#36

4-Chloro-3-methylphenol

Concen: 21.708 ng

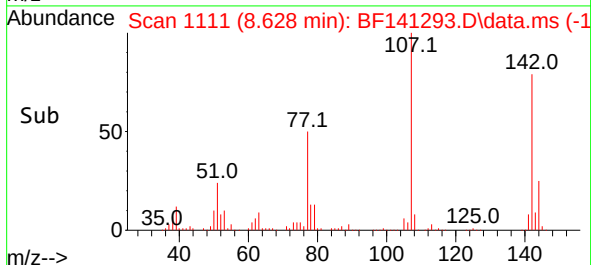
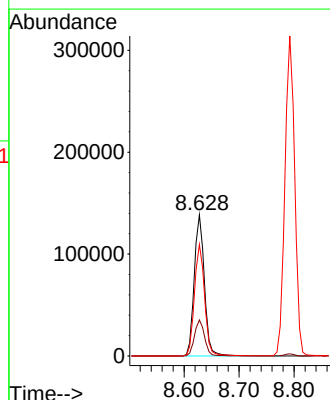
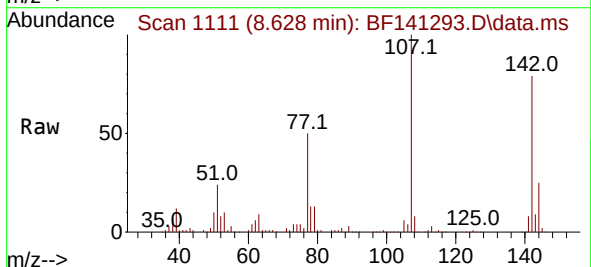
RT: 8.628 min Scan# 1111

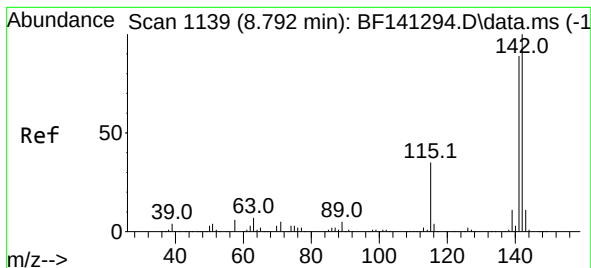
Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

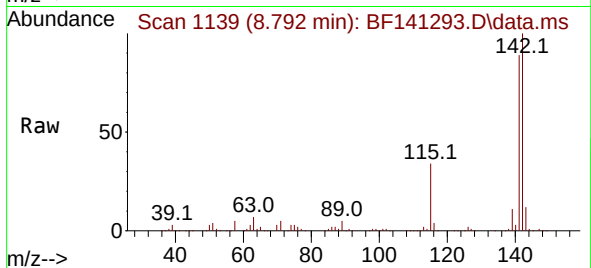
Tgt Ion:107 Resp: 177981
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.7 31.1
 142 79.0 63.8 95.8





#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

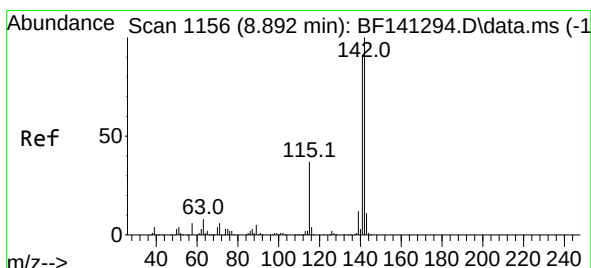
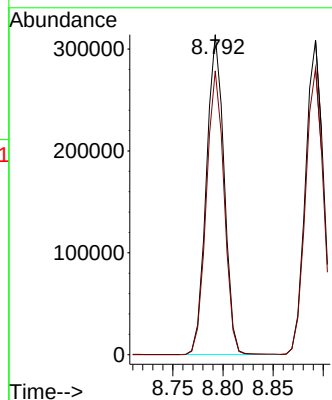
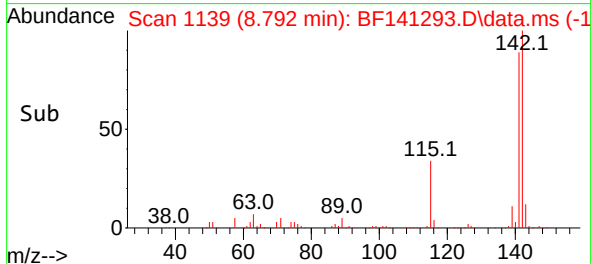
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



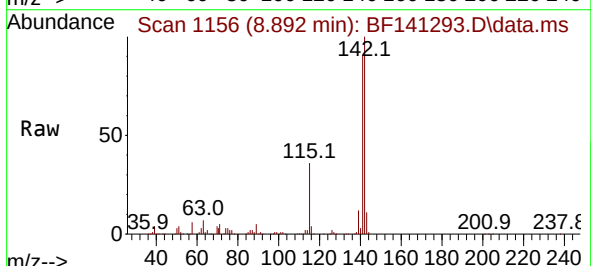
Tgt Ion:142 Resp: 386035
Ion Ratio Lower Upper
142 100
141 88.7 71.3 106.9

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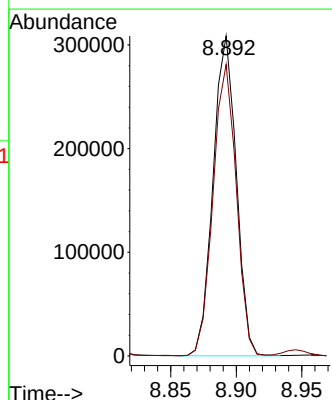
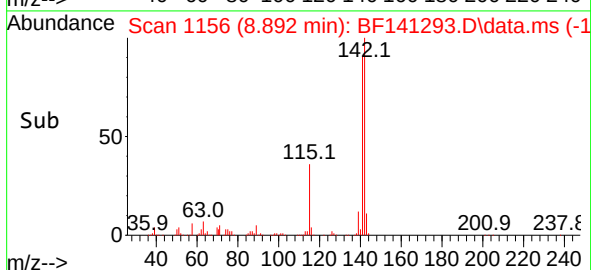
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

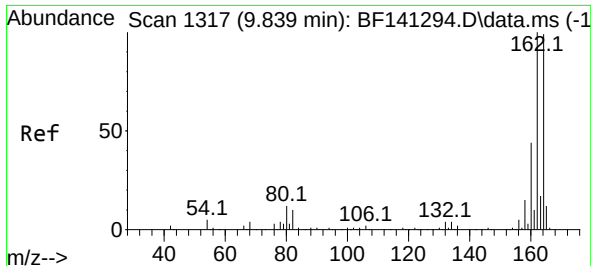


#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



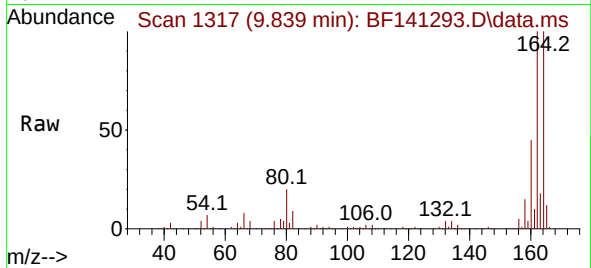
Tgt Ion:142 Resp: 378878
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#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

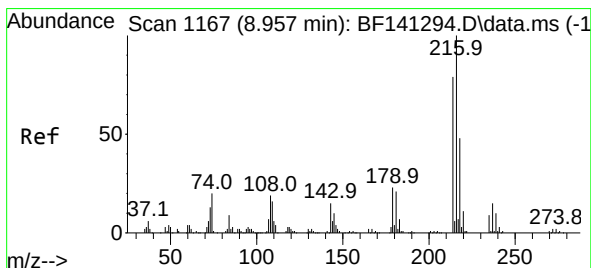
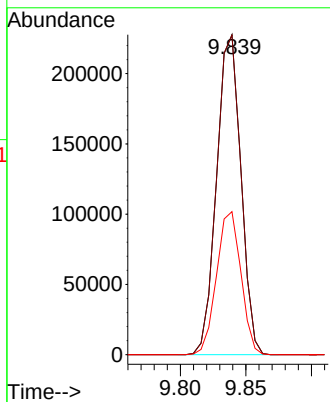
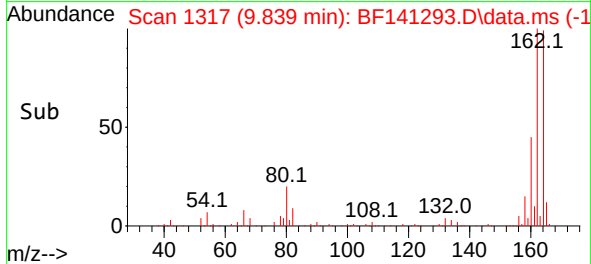
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



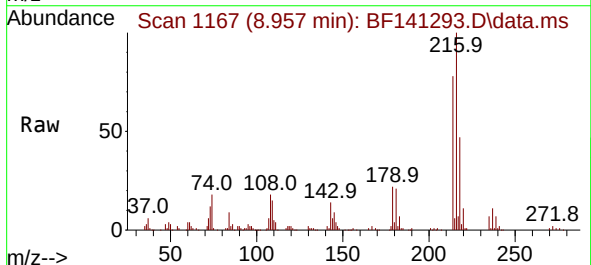
Tgt Ion:164 Resp: 293084
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 44.7 35.8 53.6

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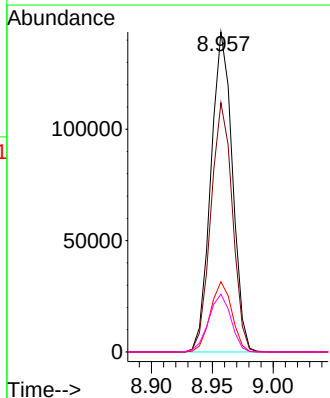
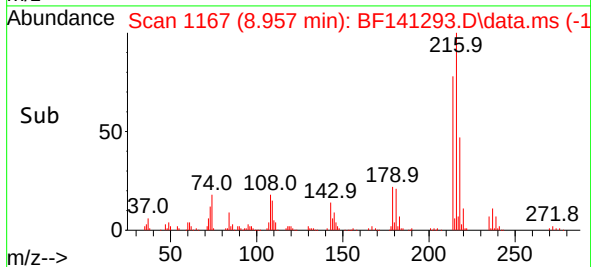
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

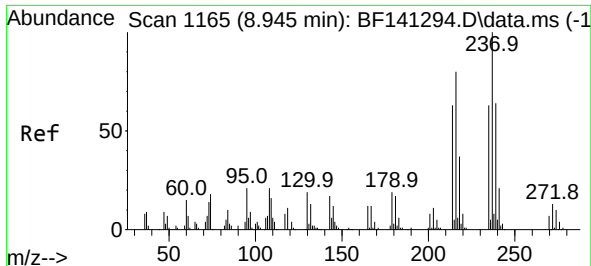


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



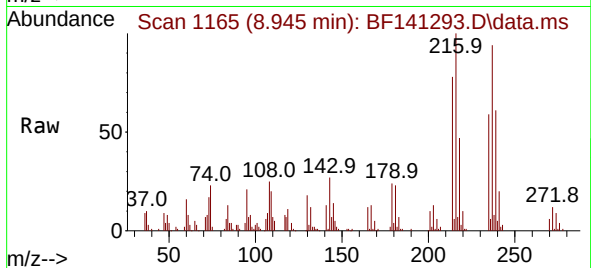
Tgt Ion:216 Resp: 176736
Ion Ratio Lower Upper
216 100
214 77.9 63.2 94.8
179 21.9 17.8 26.8
108 18.7 15.0 22.6





#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

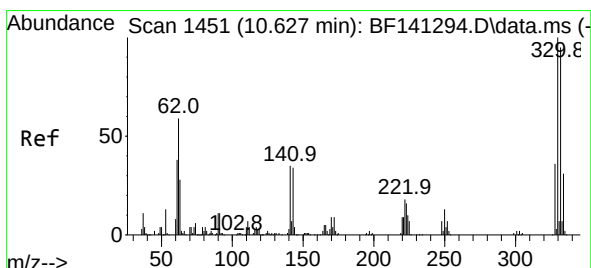
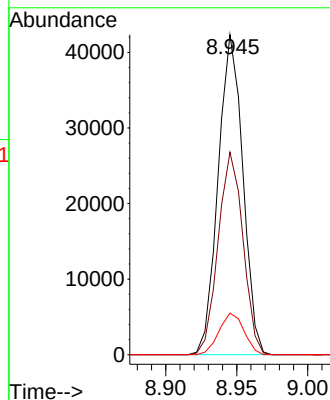
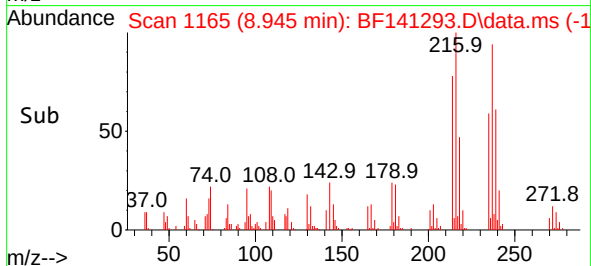
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



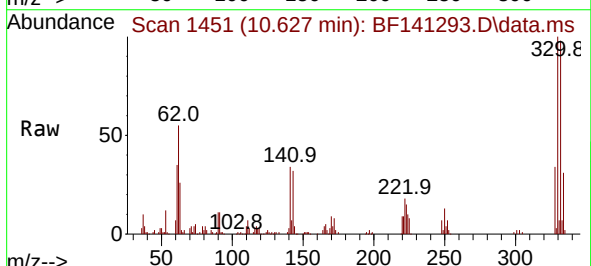
Tgt Ion: 237 Resp: 5111
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 13.0 0.0 32.8

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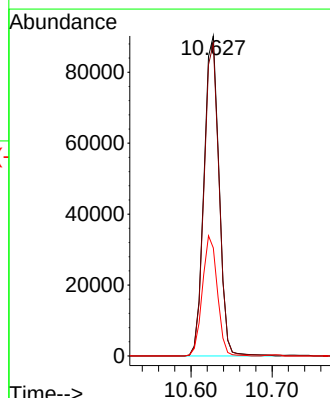
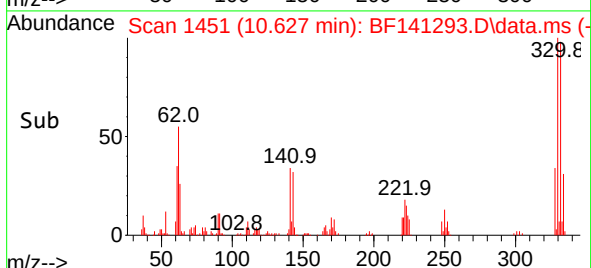
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

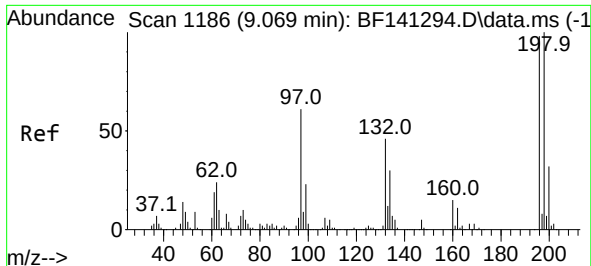


#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



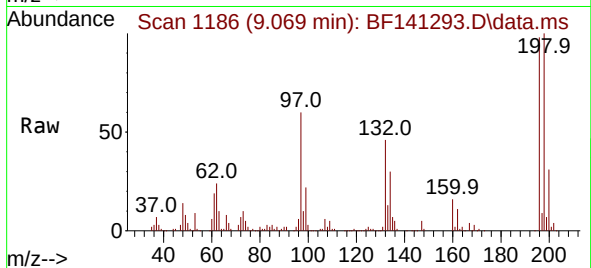
Tgt Ion: 330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#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

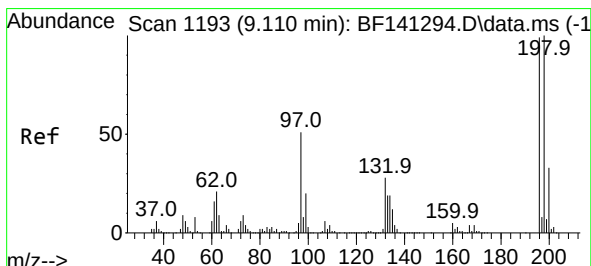
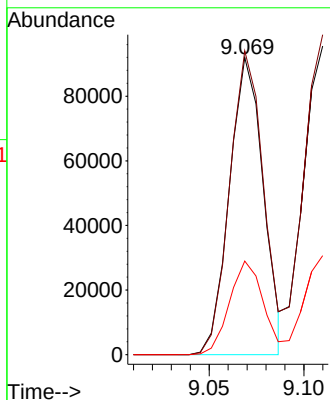
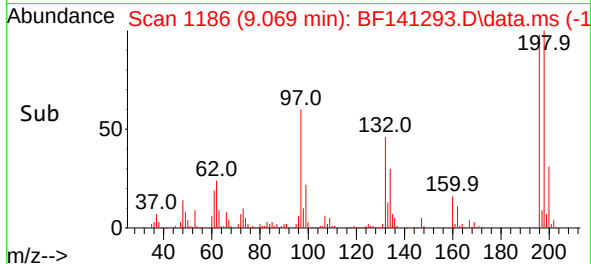
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



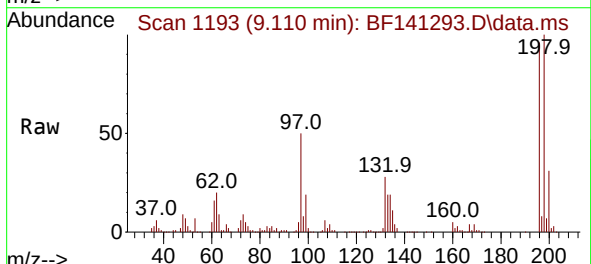
Tgt Ion:196 Resp: 114390
Ion Ratio Lower Upper
196 100
198 102.3 81.8 122.6
200 31.5 26.3 39.5

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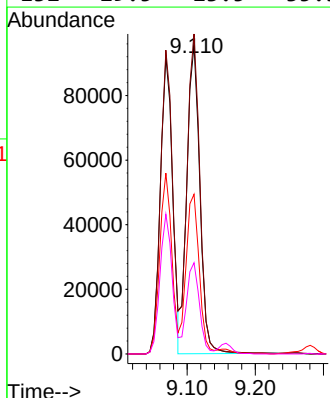
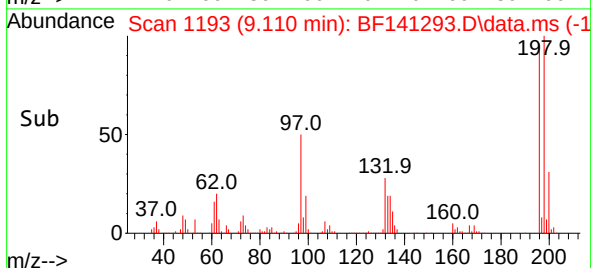
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

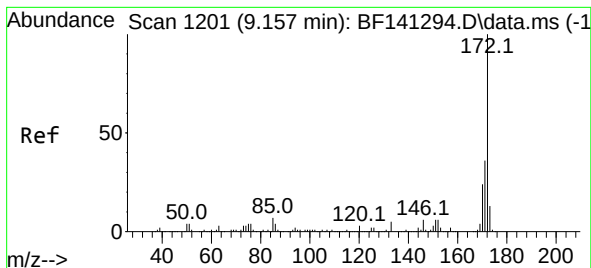


#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



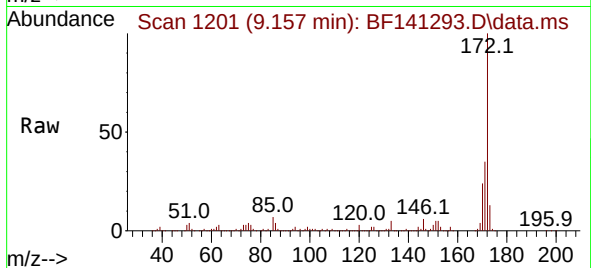
Tgt Ion:196 Resp: 125725
Ion Ratio Lower Upper
196 100
198 103.7 80.5 120.7
97 51.8 42.8 64.2
132 29.5 23.5 35.3





#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

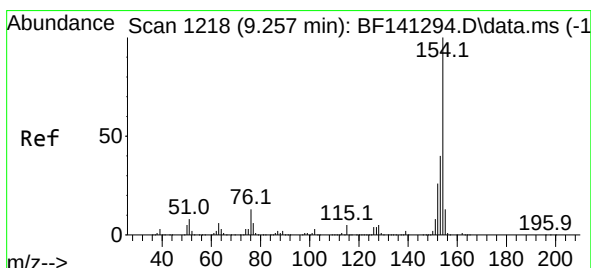
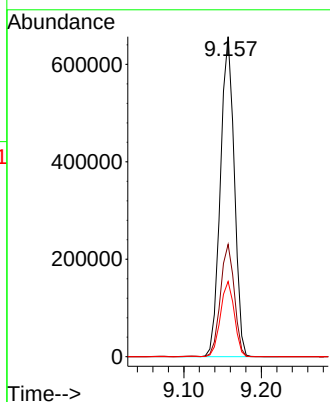
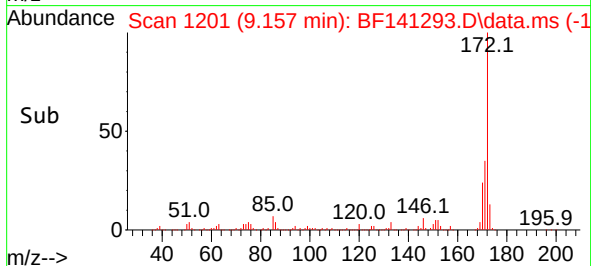
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



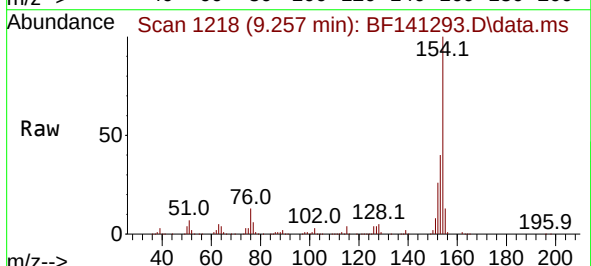
Tgt Ion:172 Resp: 81937
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.0 28.6

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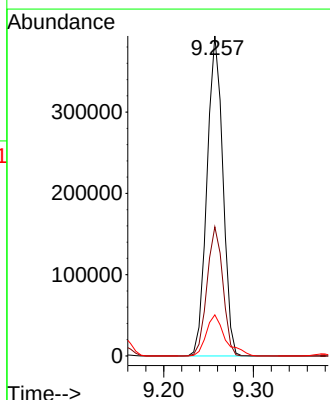
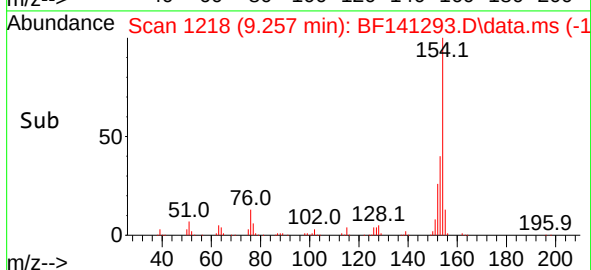
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

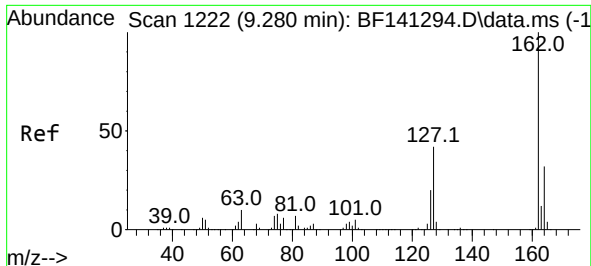


#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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# 1222

Delta R.T. 0.000 min

Lab File: BF141293.D

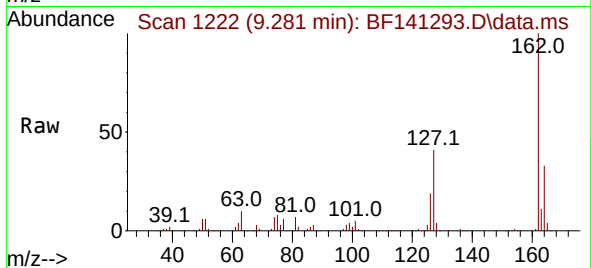
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



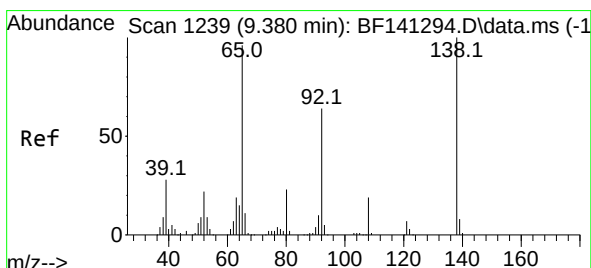
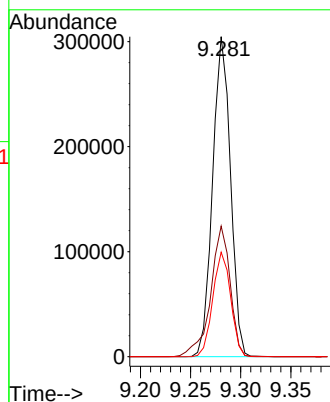
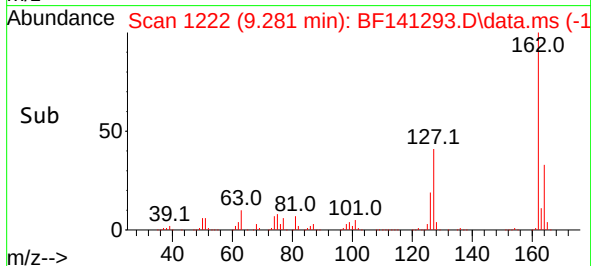
Tgt Ion:	162	Resp:	377940
Ion Ratio	Lower	Upper	
162	100		
127	40.8	33.7	50.5
164	32.7	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 21.310 ng

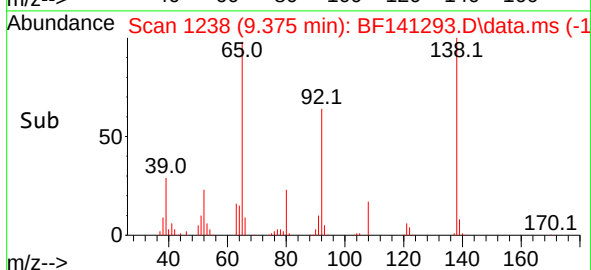
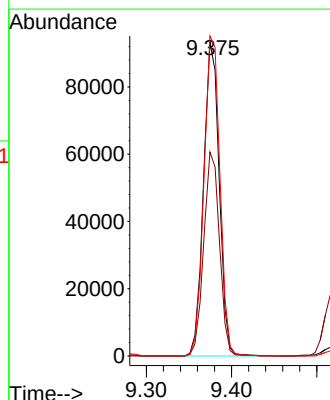
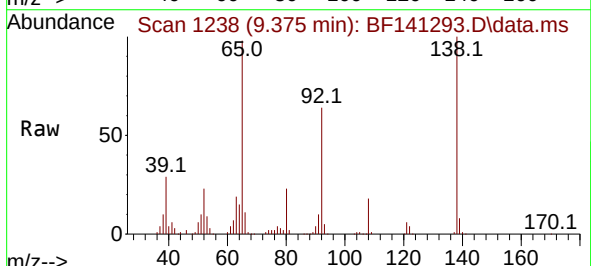
RT: 9.375 min Scan# 1238

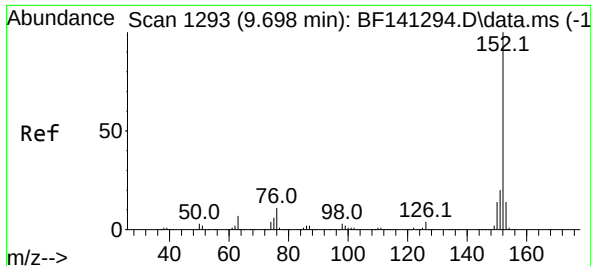
Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

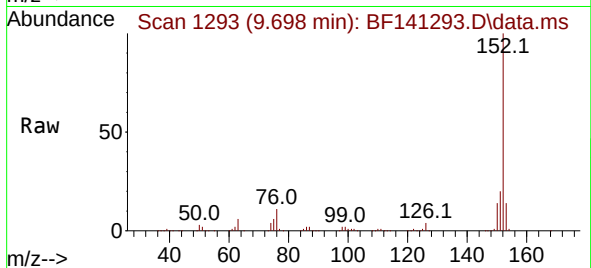
Tgt Ion:	65	Resp:	119359
Ion Ratio	Lower	Upper	
65	100		
92	64.9	53.3	79.9
138	102.0	83.6	125.4





#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

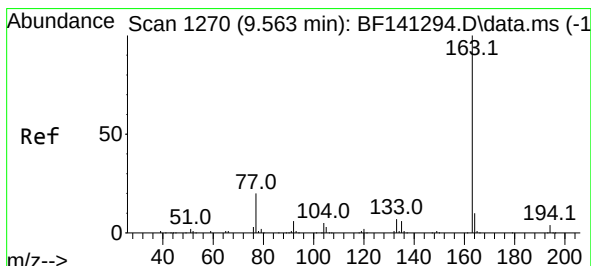
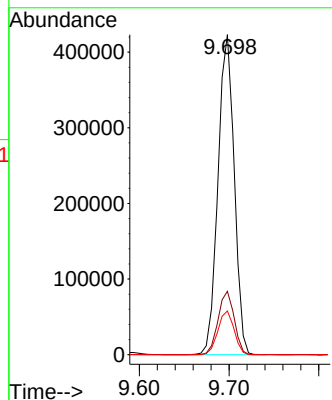
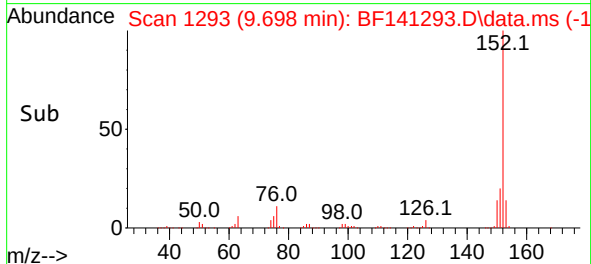
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



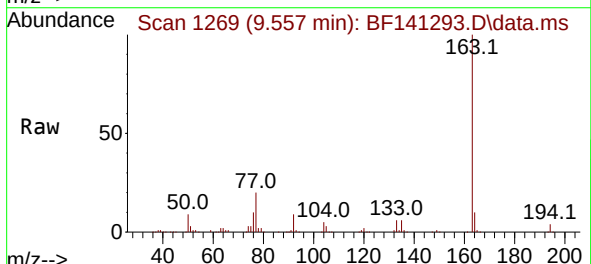
Tgt Ion:152 Resp: 53195
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.7 11.0 16.6

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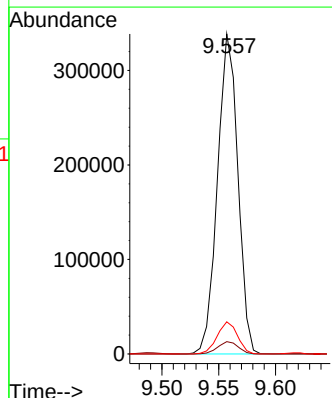
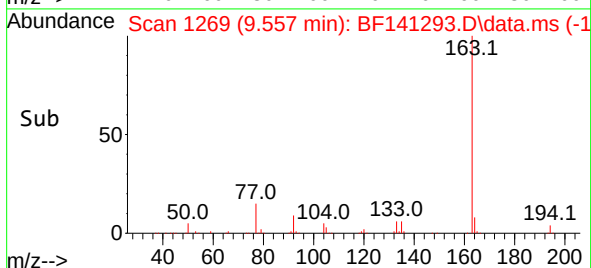
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

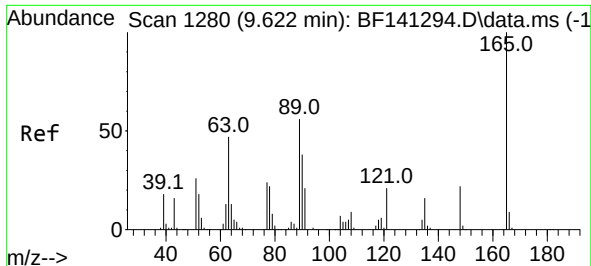


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





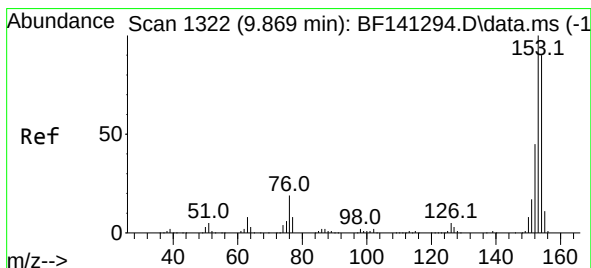
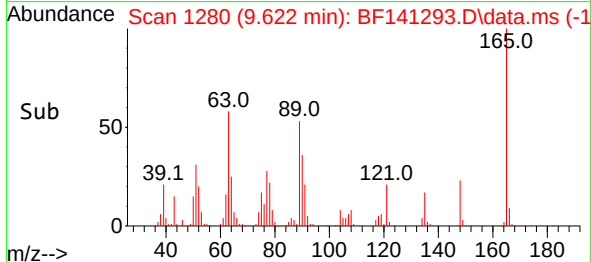
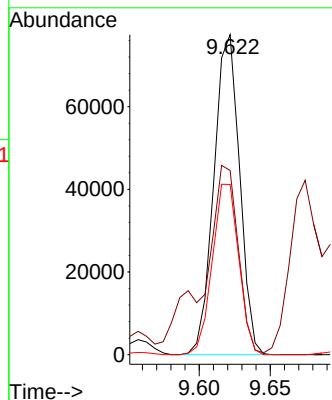
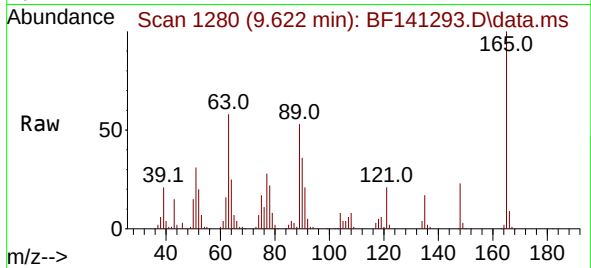
#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

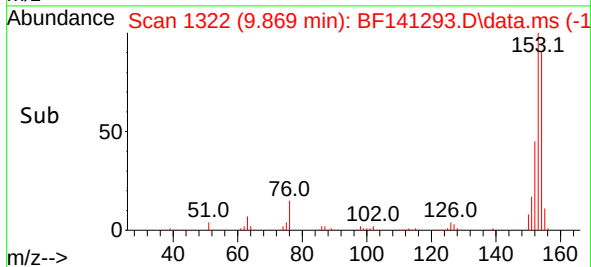
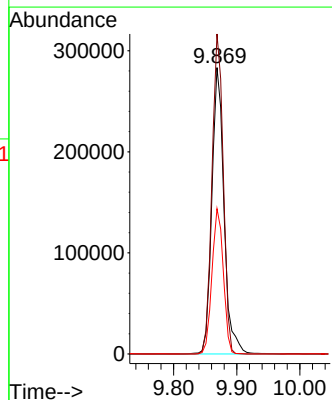
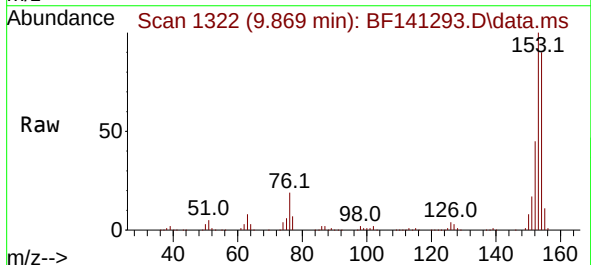
Manual Integrations
APPROVED

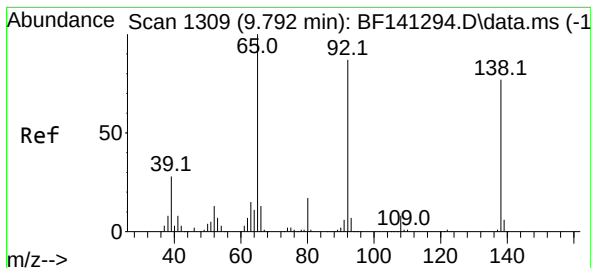
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

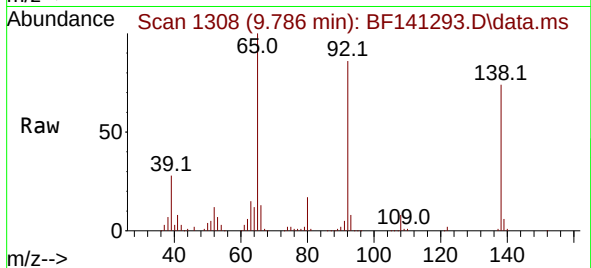
Tgt Ion:154 Resp: 378511
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.7 40.2 60.4





#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

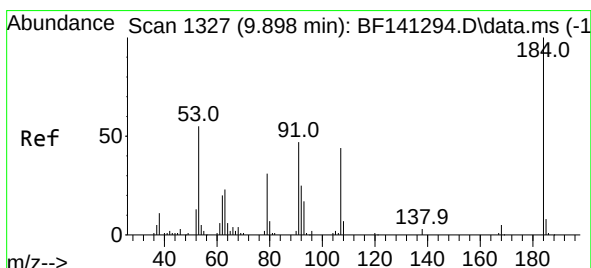
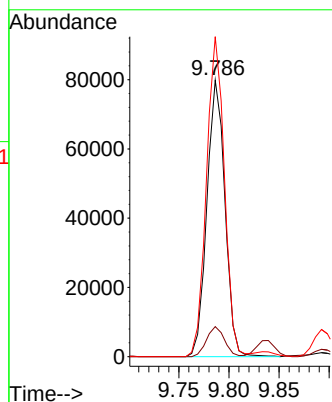
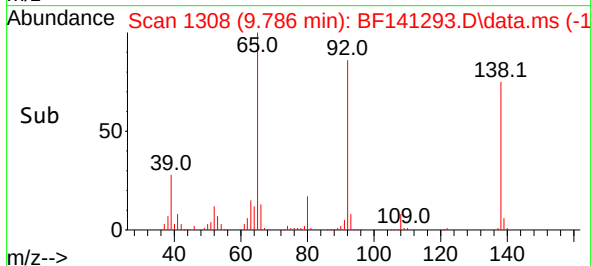
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



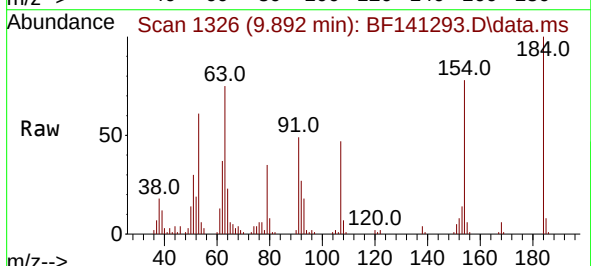
Tgt Ion:138 Resp: 100085
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 115.8 91.0 136.6

Manual Integrations
APPROVED

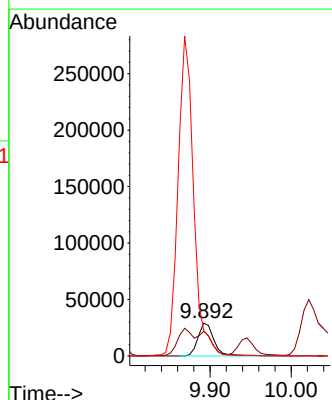
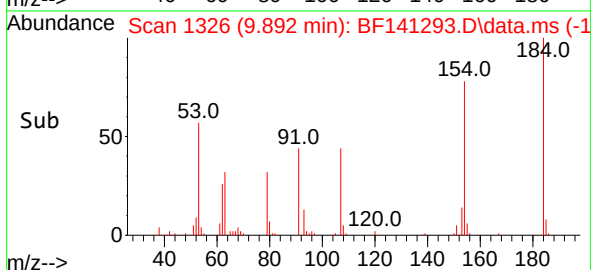
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

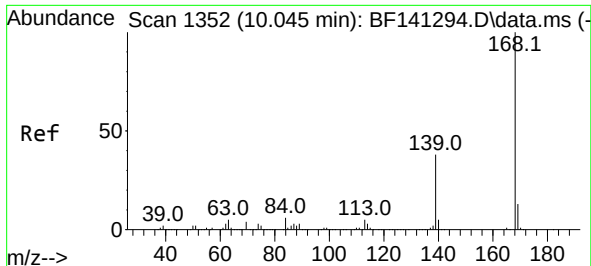


#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



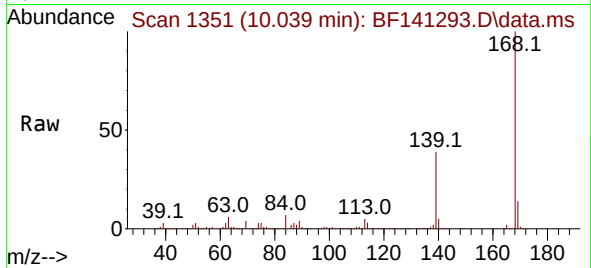
Tgt Ion:184 Resp: 40003
Ion Ratio Lower Upper
184 100
63 75.1 54.1 81.1
154 78.0 50.7 76.1#





#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

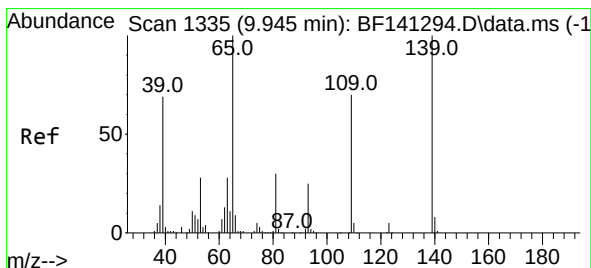
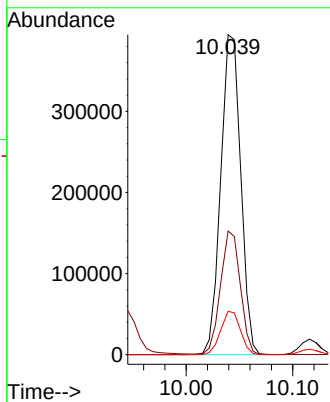
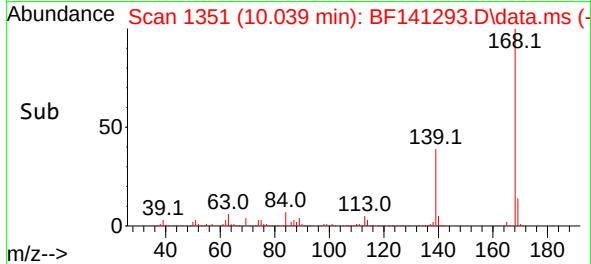
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



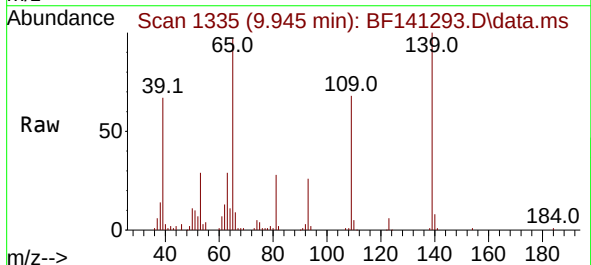
Tgt Ion:168 Resp: 51422
Ion Ratio Lower Upper
168 100
139 38.7 30.6 46.0
169 13.5 10.8 16.2

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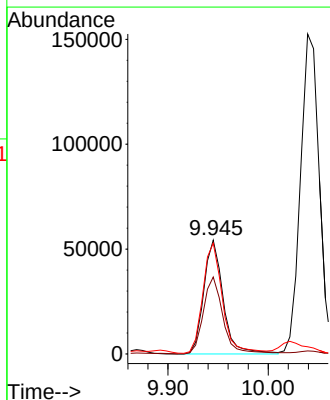
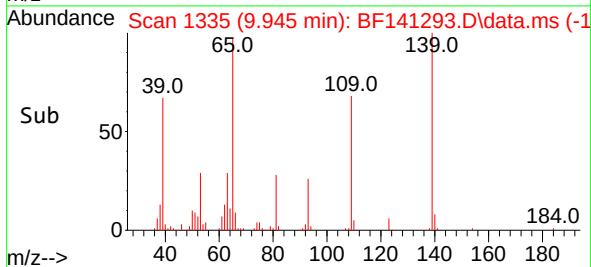
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

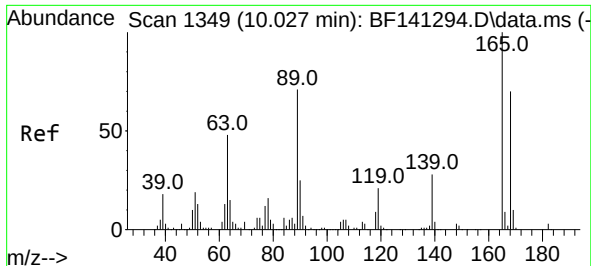


#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



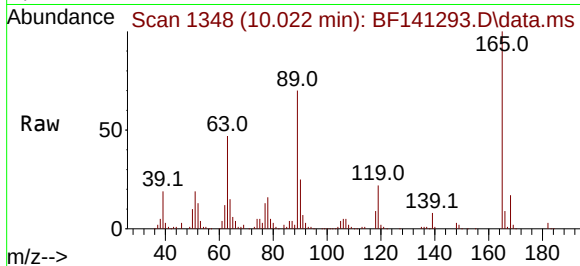
Tgt Ion:139 Resp: 73425
Ion Ratio Lower Upper
139 100
109 67.7 50.2 90.2
65 97.5 80.6 120.6





#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

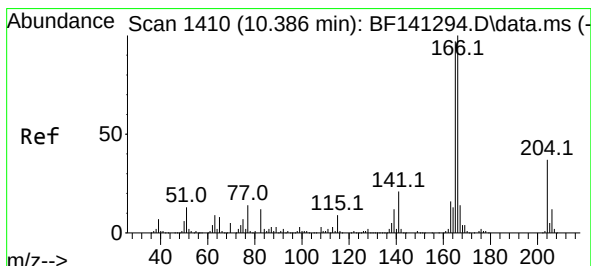
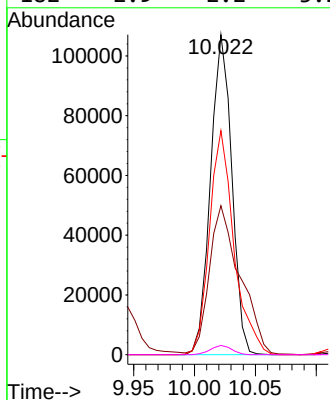
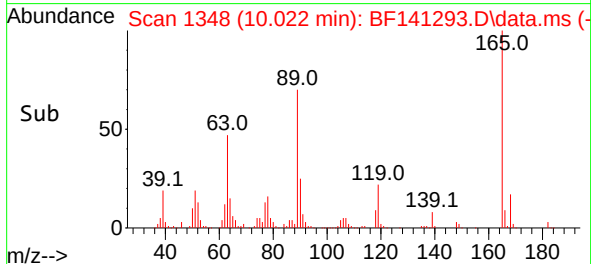
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



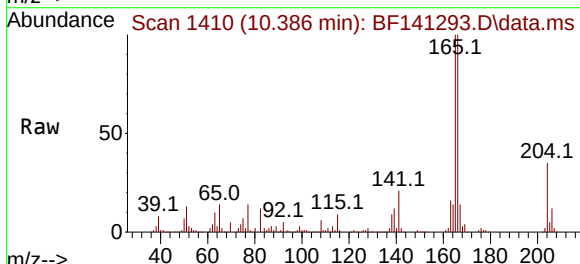
Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 46.6 39.2 58.8
89 70.0 56.9 85.3
182 2.9 2.2 3.2

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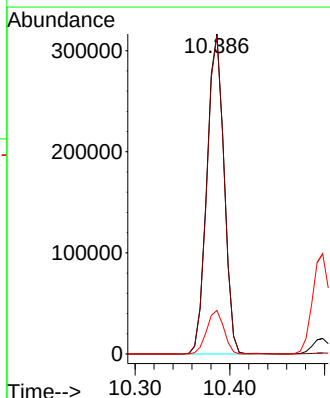
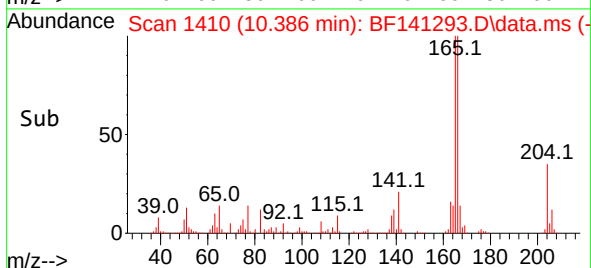
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

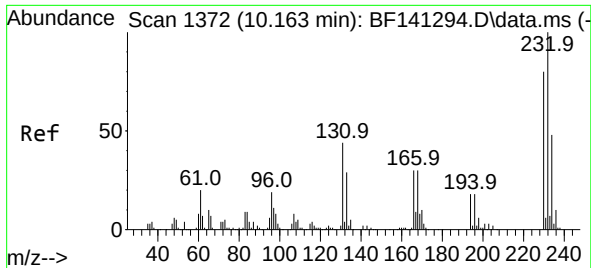


#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



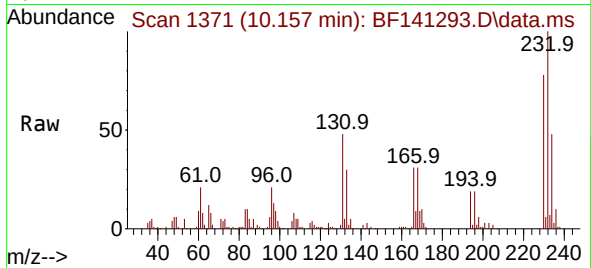
Tgt Ion:166 Resp: 396520
Ion Ratio Lower Upper
166 100
165 99.5 77.5 116.3
167 13.6 10.9 16.3





#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

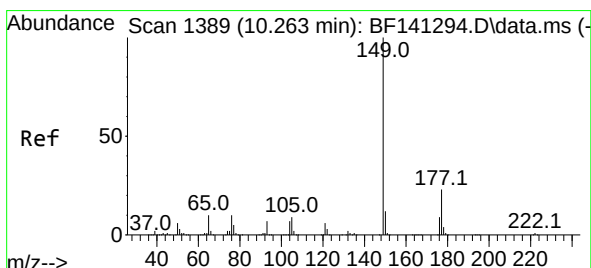
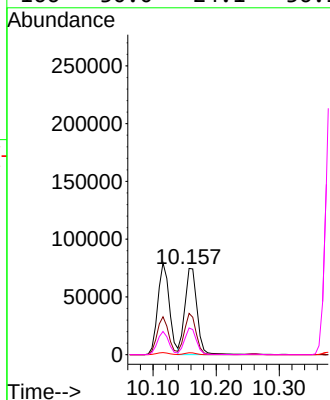
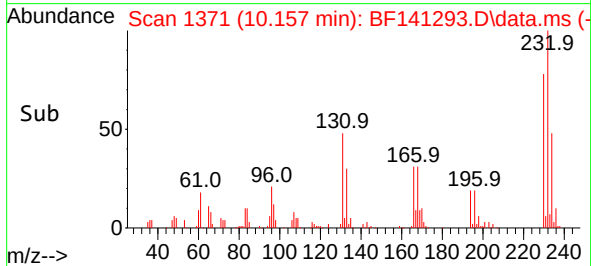
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



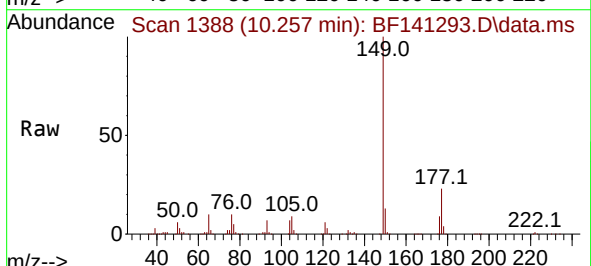
Tgt Ion:232 Resp: 9984
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 30.0 24.1 36.1

Manual Integrations
APPROVED

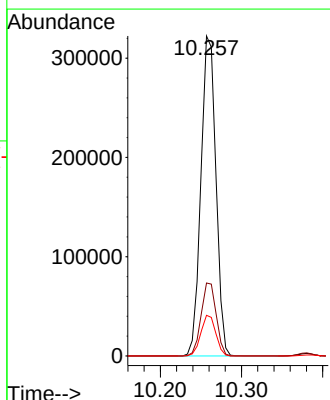
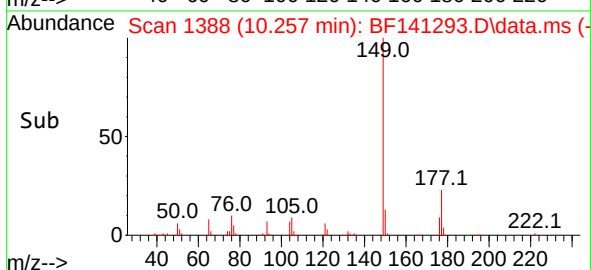
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

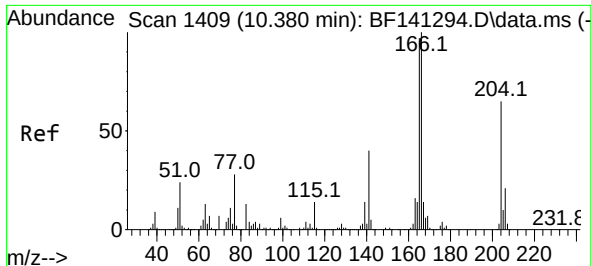


#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





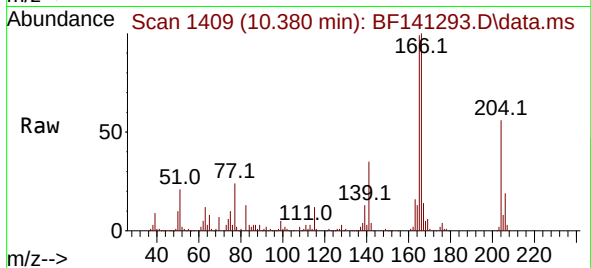
#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

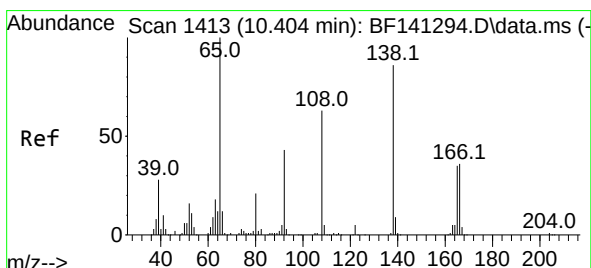
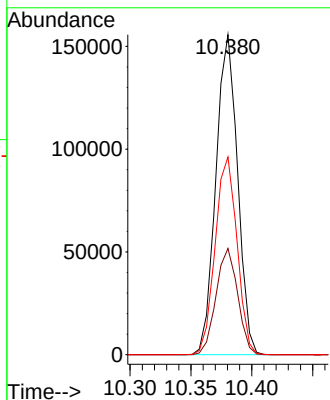
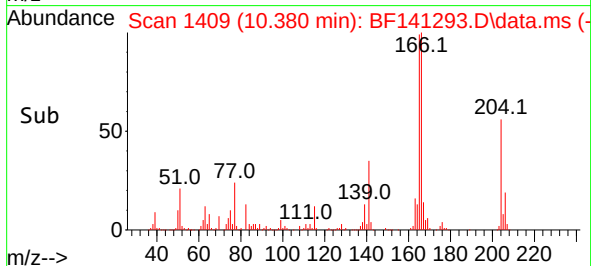
SSTDICC020



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

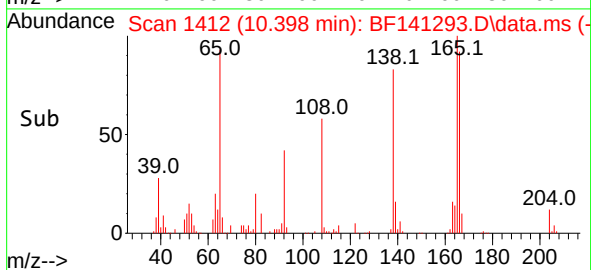
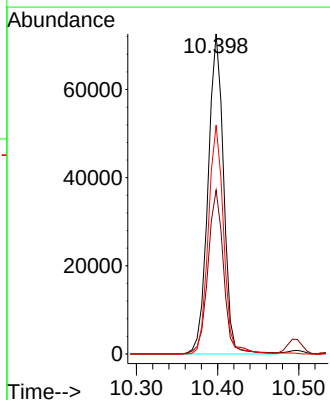
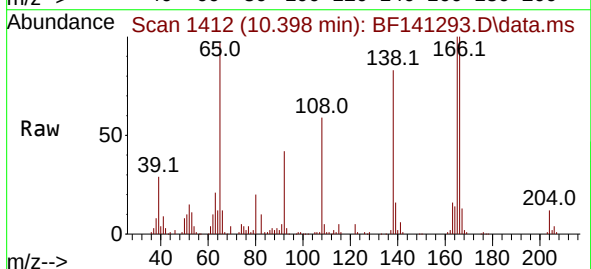
Manual Integrations
APPROVED

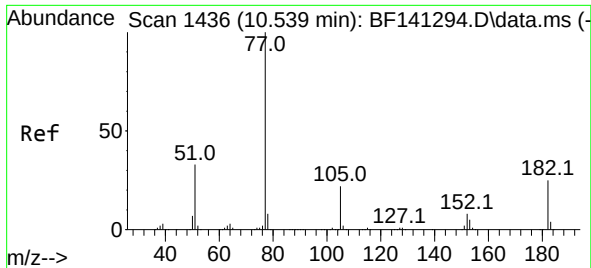
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

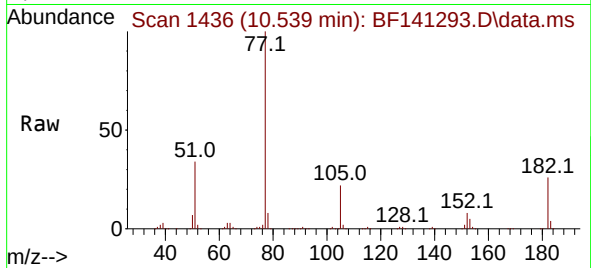
Tgt Ion:138 Resp: 96692
Ion Ratio Lower Upper
138 100
92 51.2 30.1 70.1
108 71.5 53.1 93.1





#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

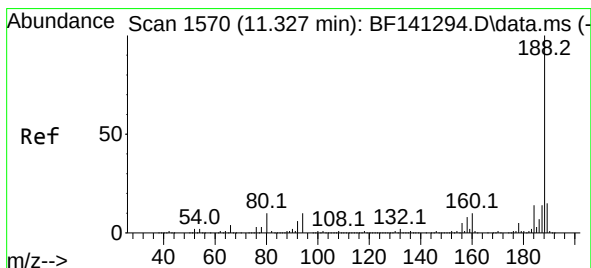
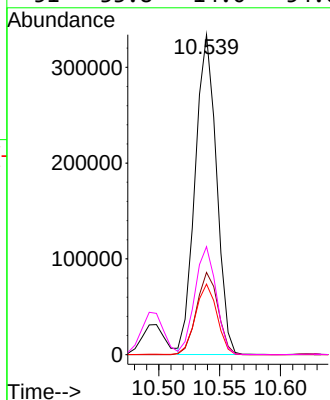
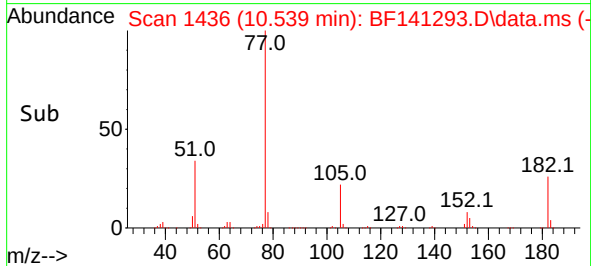
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



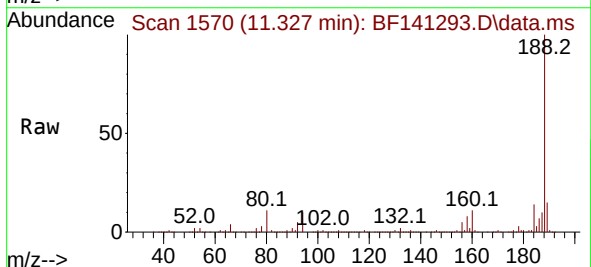
Tgt Ion: 77 Resp: 407492
Ion Ratio Lower Upper
77 100
182 25.7 5.1 45.1
105 22.1 1.8 41.8
51 33.8 14.0 54.0

Manual Integrations
APPROVED

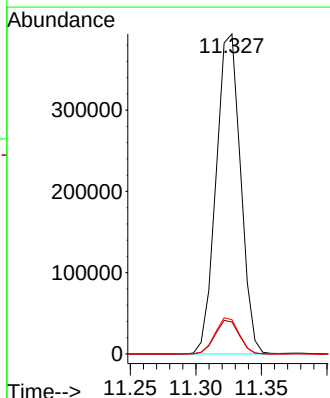
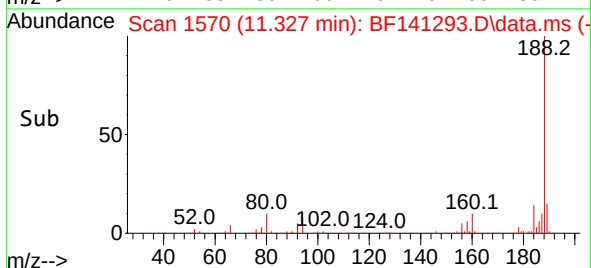
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

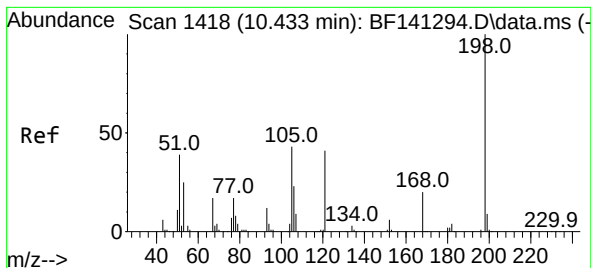


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





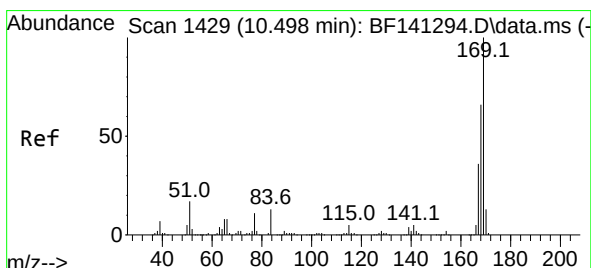
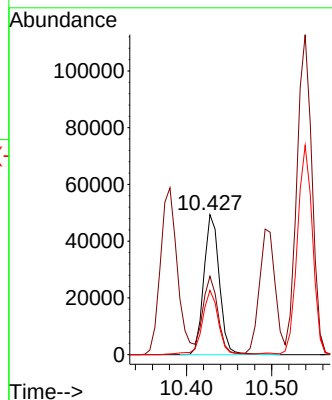
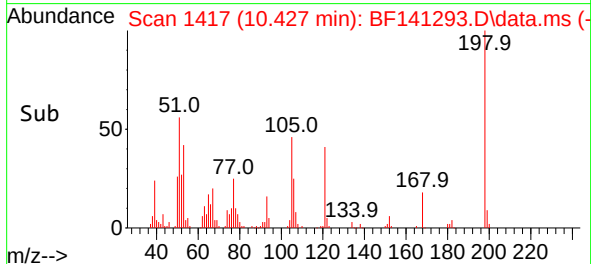
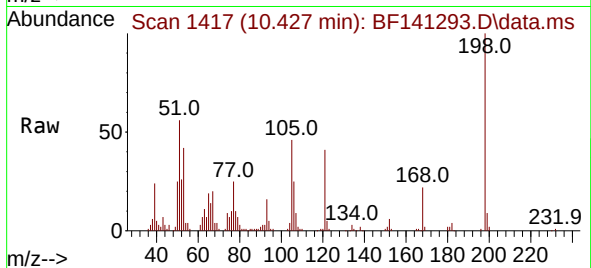
#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

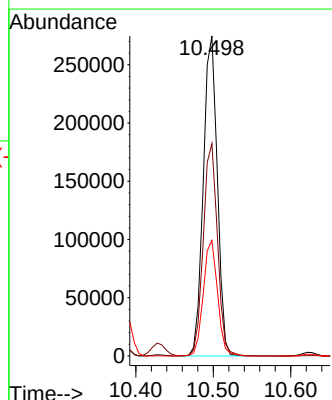
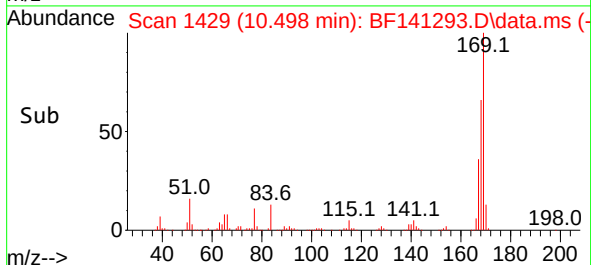
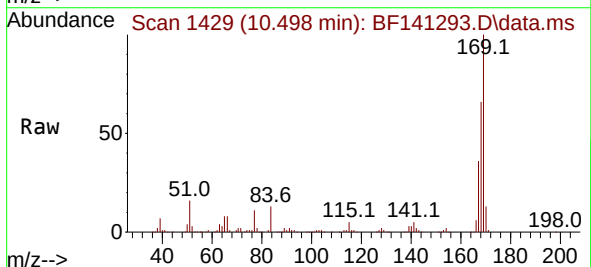
Manual Integrations
APPROVED

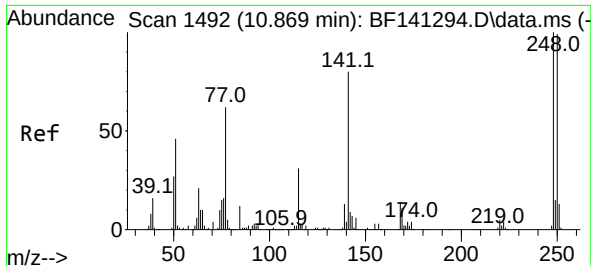
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

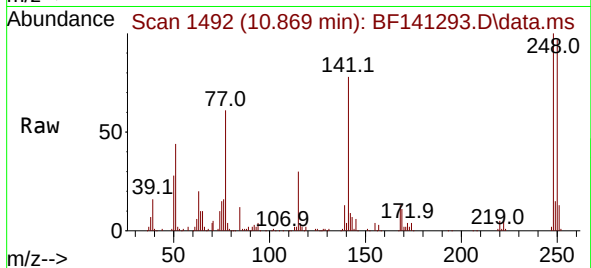
Tgt Ion:169 Resp: 344387
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 36.1 28.8 43.2





#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

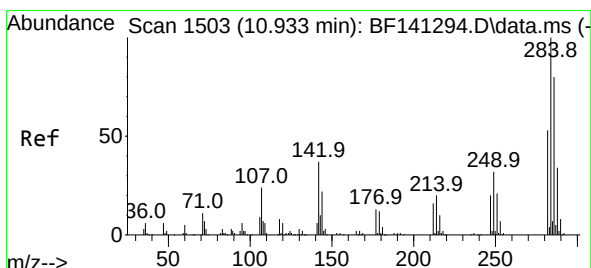
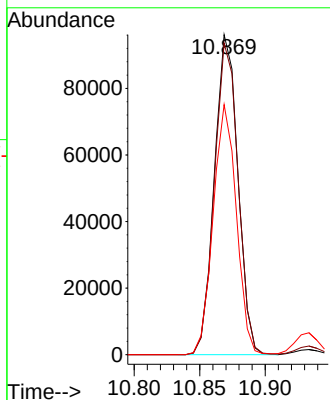
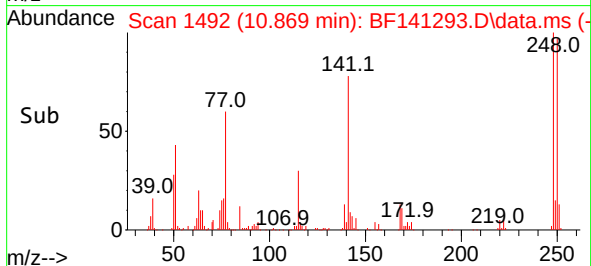
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



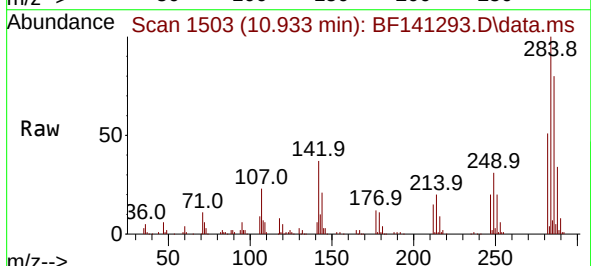
Tgt Ion:248 Resp: 119844
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.1 63.7 95.5

Manual Integrations
APPROVED

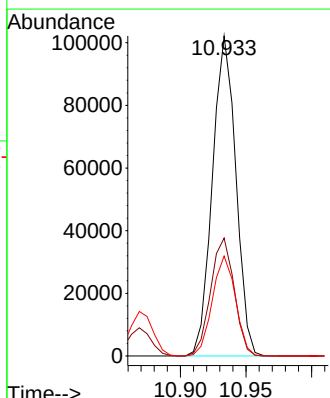
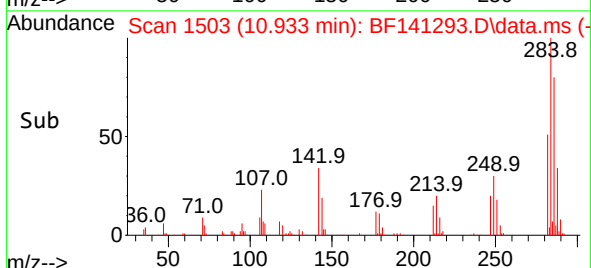
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

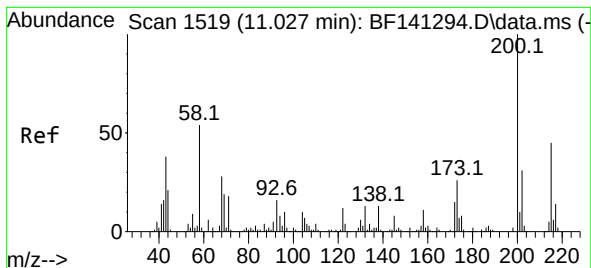


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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

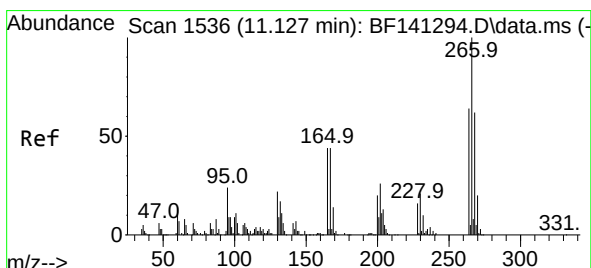
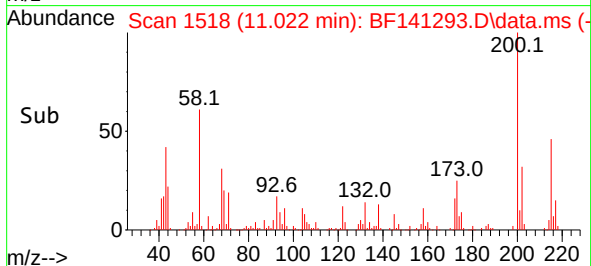
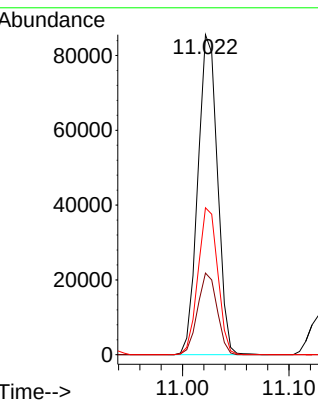
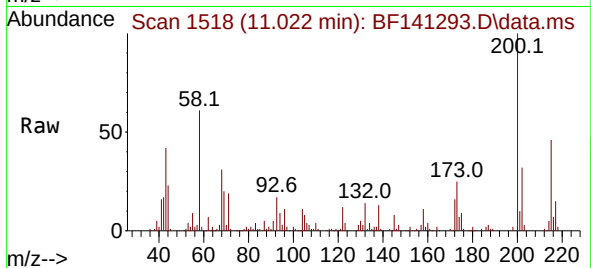
215 45.9 25.2 65.2

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

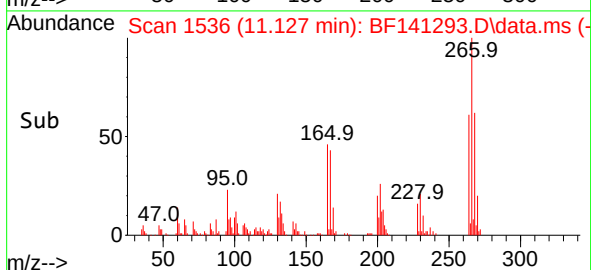
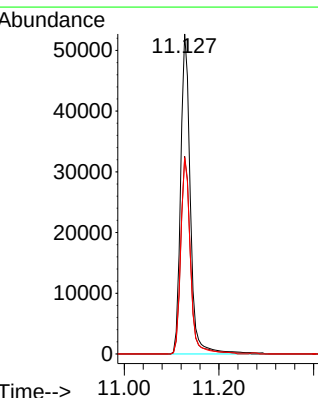
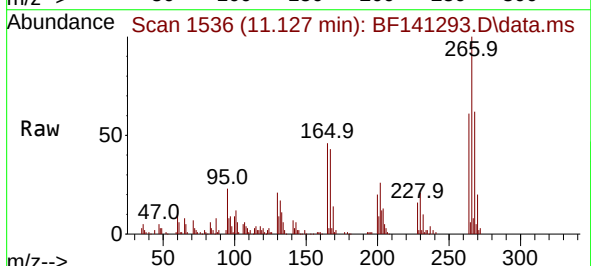
Tgt Ion:266 Resp: 74508

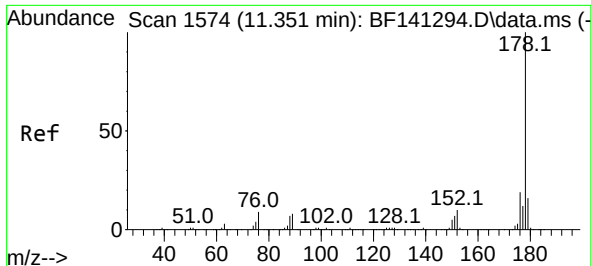
Ion Ratio Lower Upper

266 100

268 61.8 49.9 74.9

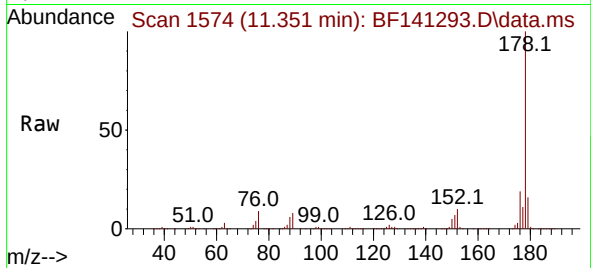
264 61.2 51.0 76.4





#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

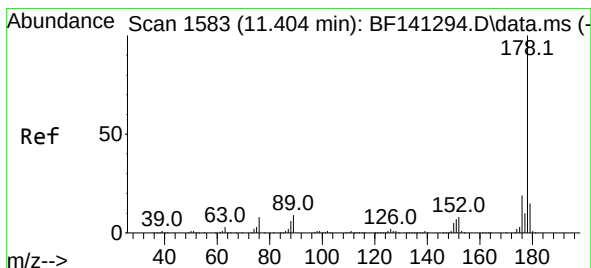
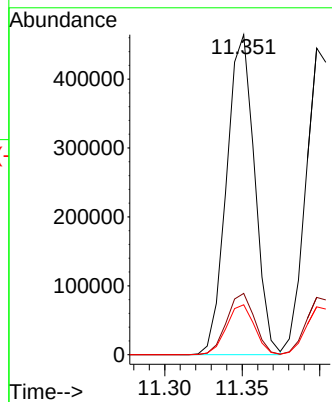
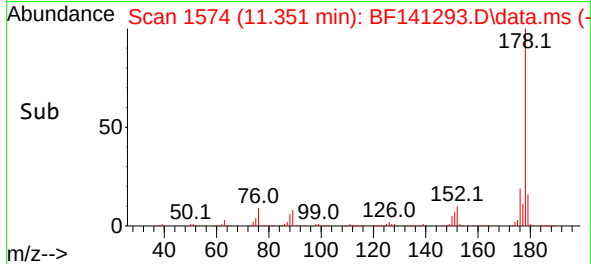
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

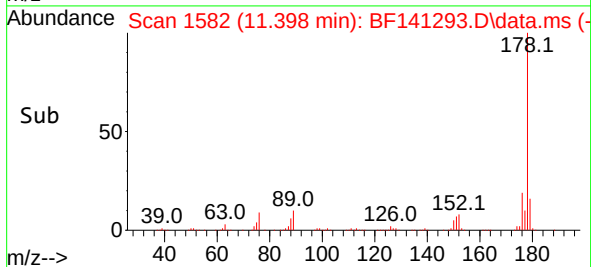
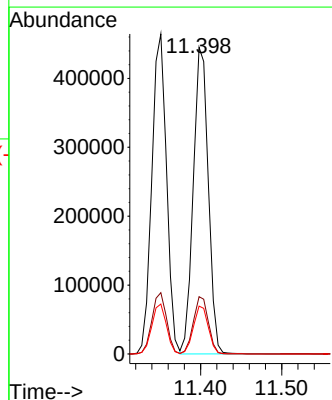
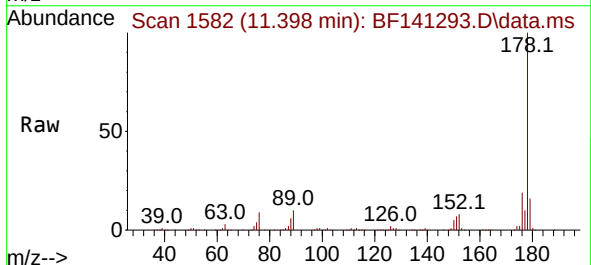
Manual Integrations
APPROVED

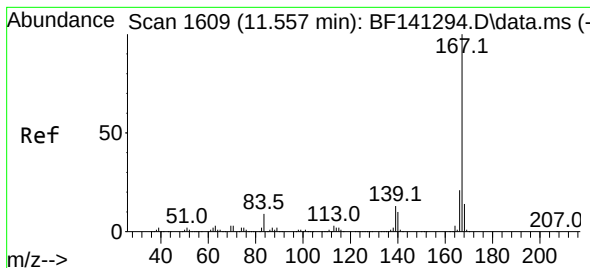
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

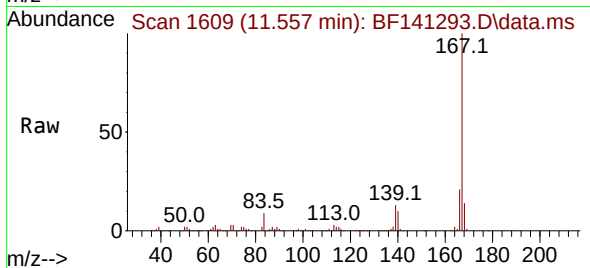
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:167 Resp: 522100

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

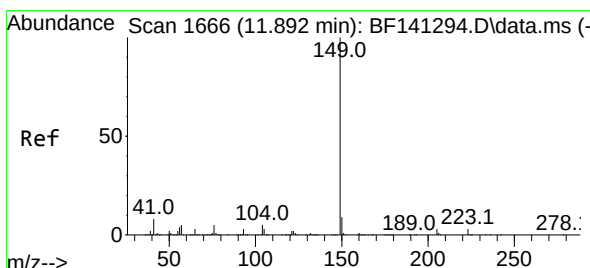
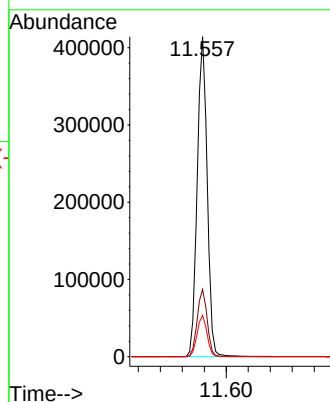
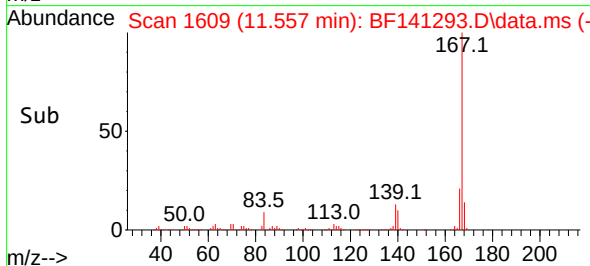
139 12.9 10.6 16.0

Manual Integrations

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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

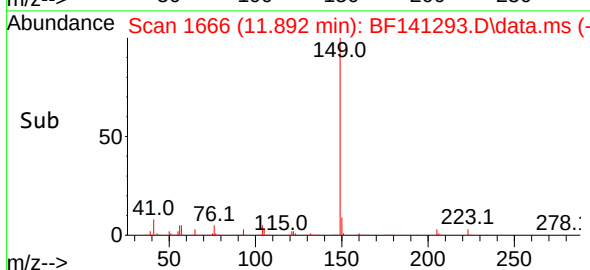
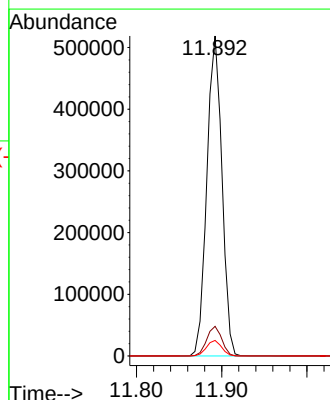
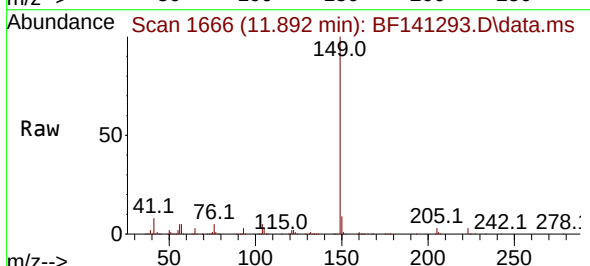
Tgt Ion:149 Resp: 636521

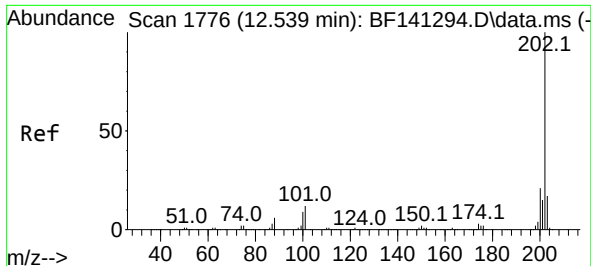
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

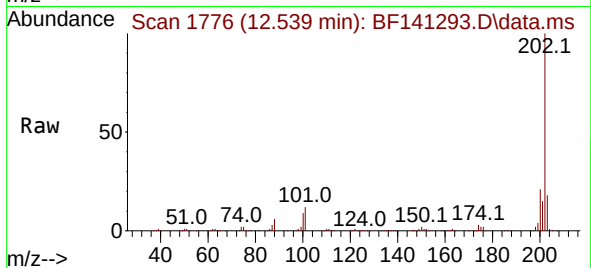
104 4.8 3.9 5.9





#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

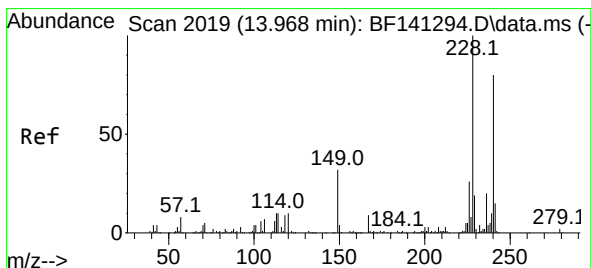
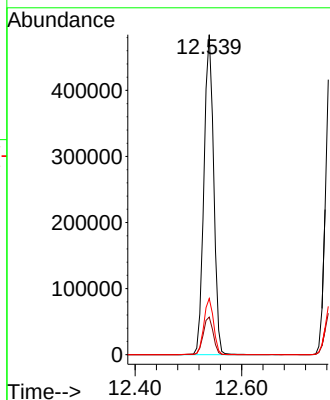
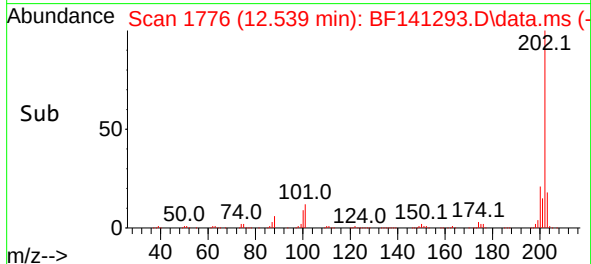
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



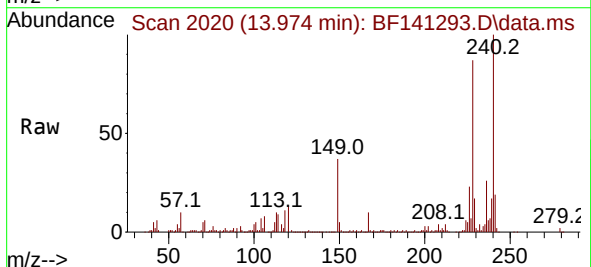
Tgt Ion:202 Resp: 611492
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.5

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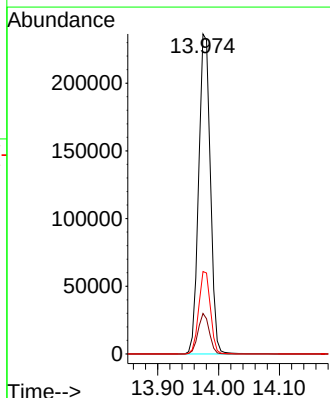
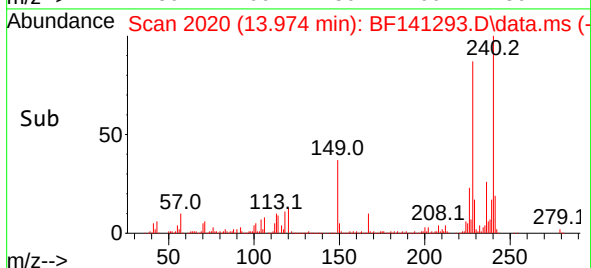
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

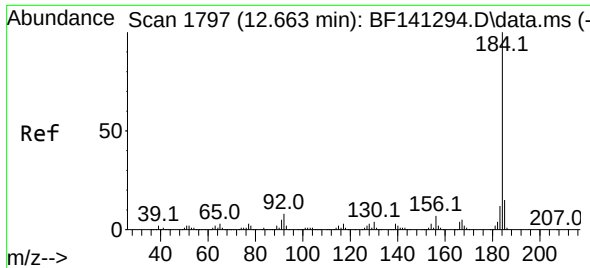


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



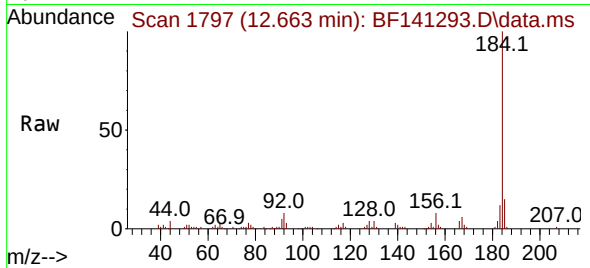
Tgt Ion:240 Resp: 314234
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.8 19.7 29.5





#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

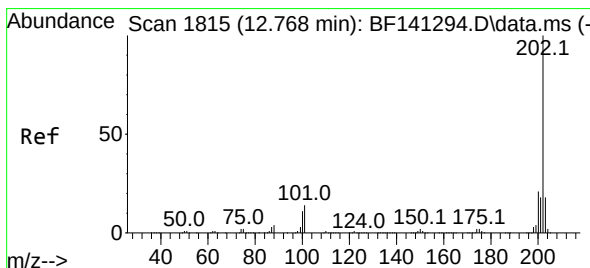
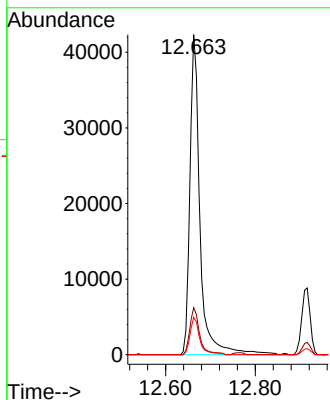
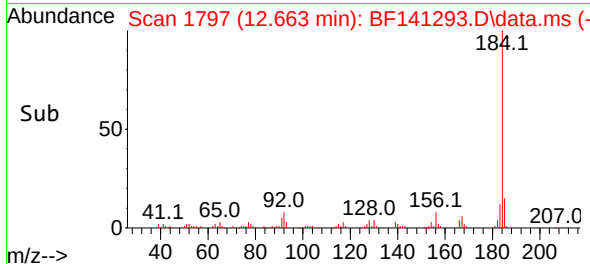
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



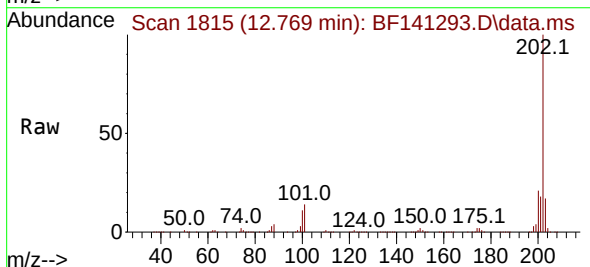
Tgt Ion:184 Resp: 6596
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 11.7 9.5 14.3

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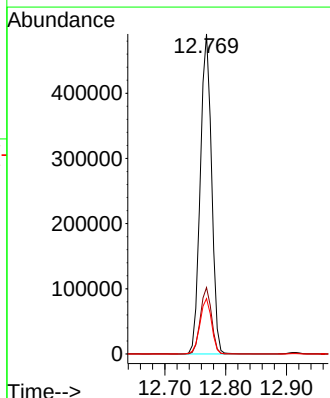
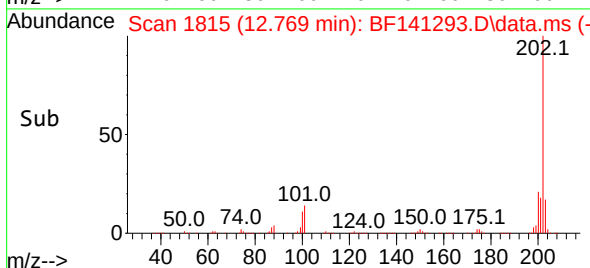
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

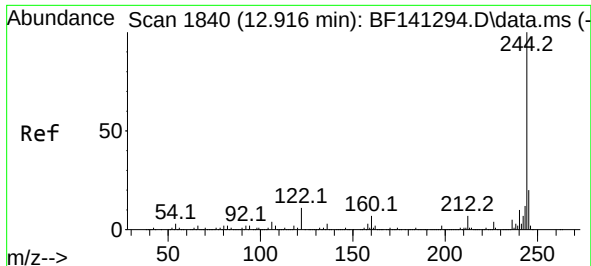


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



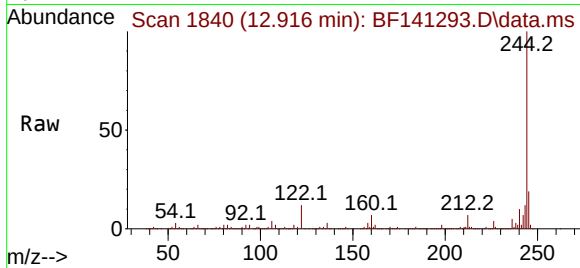
Tgt Ion:202 Resp: 629228
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.3 14.3 21.5





#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

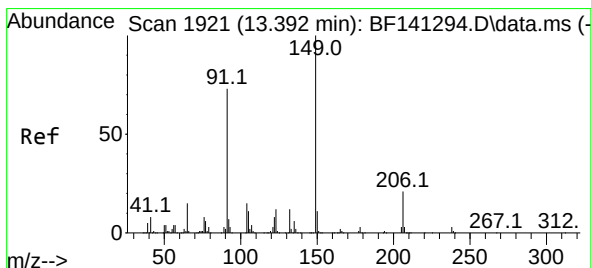
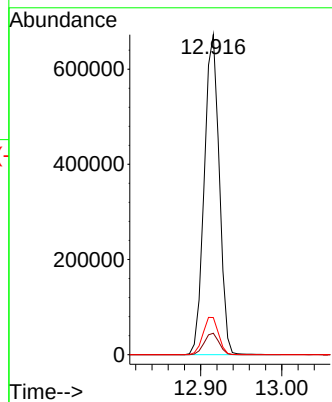
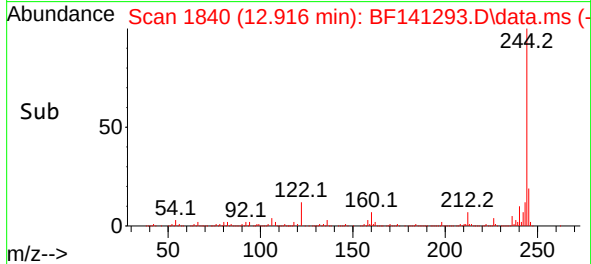
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



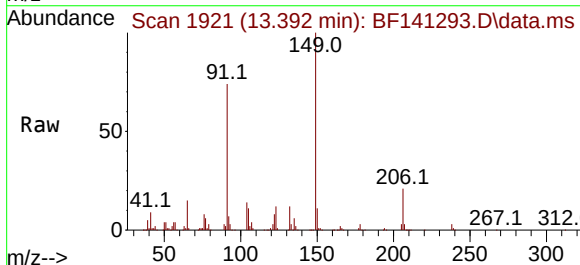
Tgt Ion:244 Resp: 860950
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.6 8.8 13.2

Manual Integrations
 APPROVED

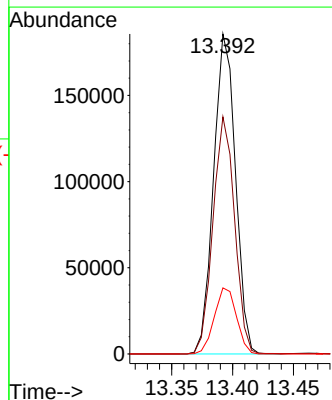
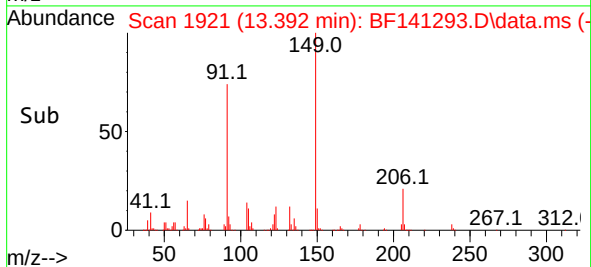
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

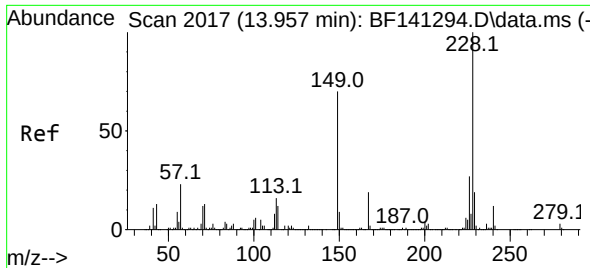


#80
 Butylbenzylphthalate
 Concen: 22.149 ng
 RT: 13.392 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: BF141293.D
 Acq: 29 Jan 2025 15:17



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





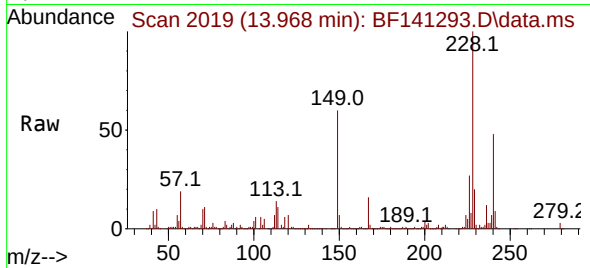
#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

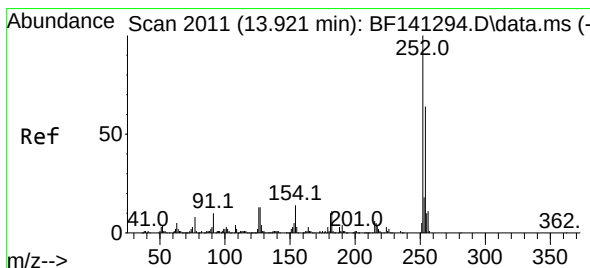
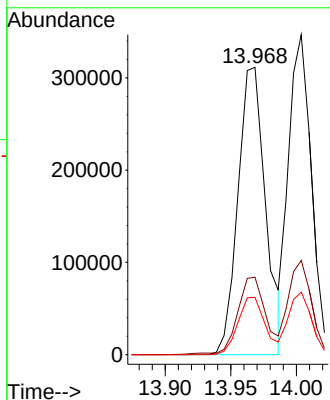
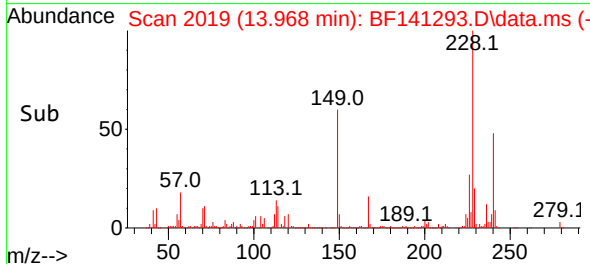
SSTDICC020



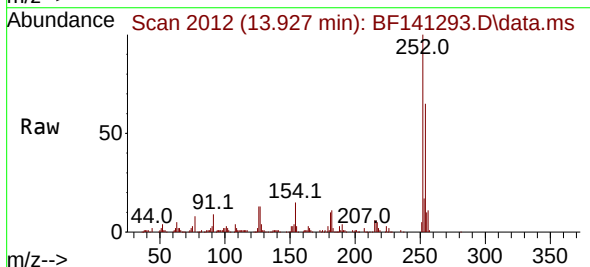
Tgt Ion:228 Resp: 45653
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

Manual Integrations
APPROVED

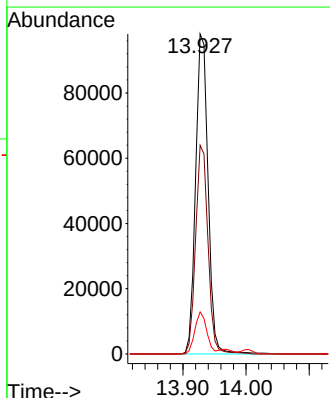
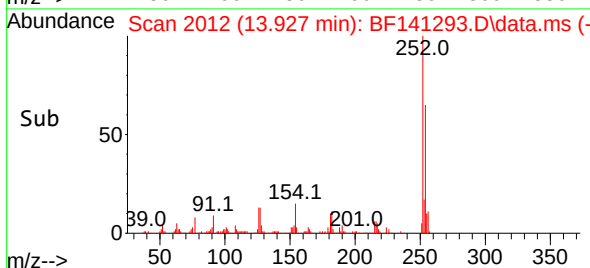
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

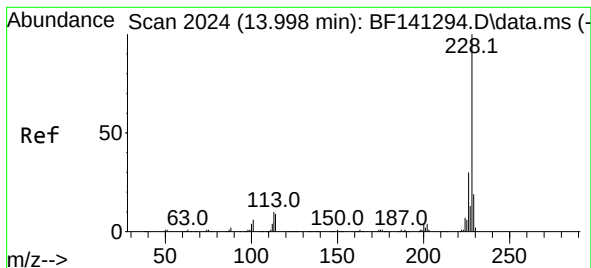


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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# 20

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

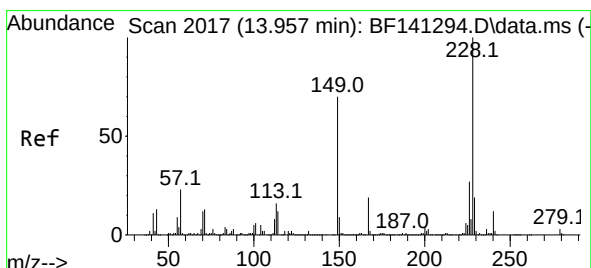
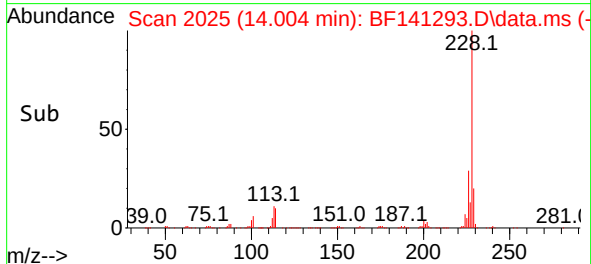
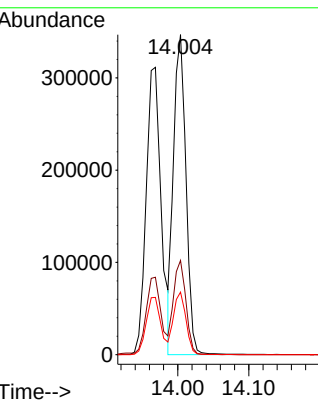
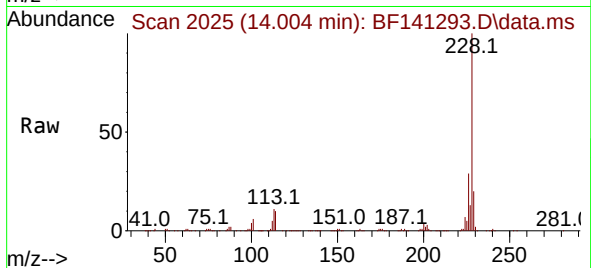
229 19.5 15.6 23.4

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

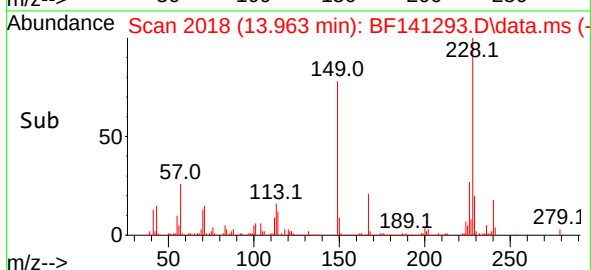
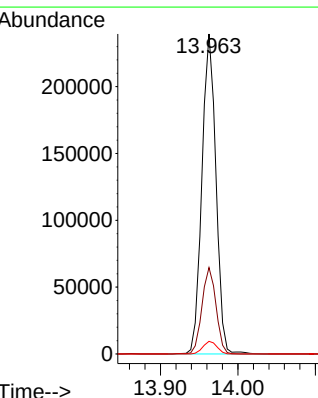
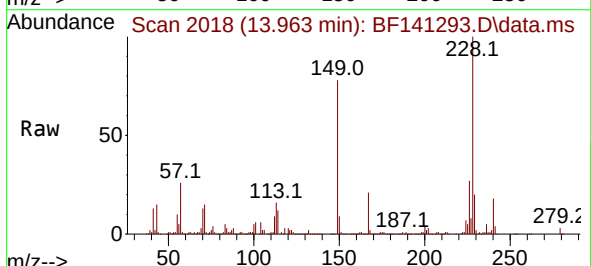
Tgt Ion:149 Resp: 300546

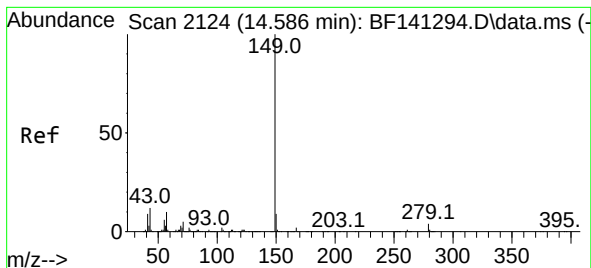
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

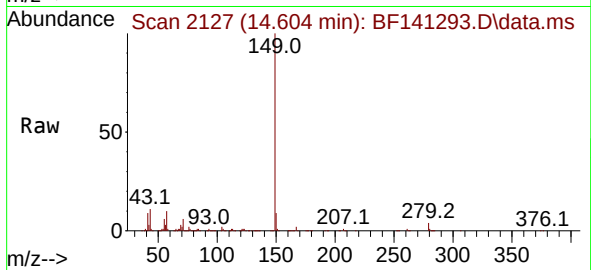
279 3.9 3.3 4.9





#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

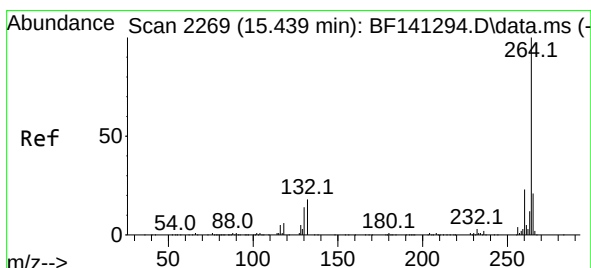
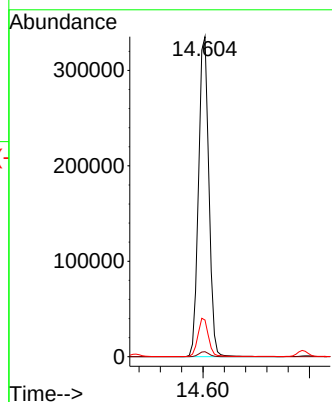
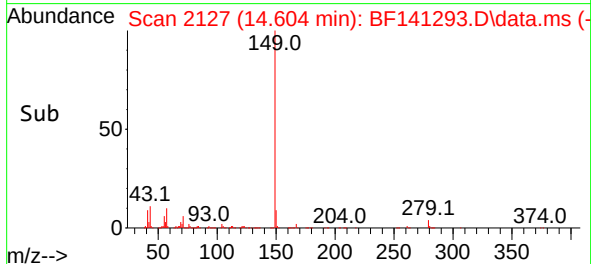
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



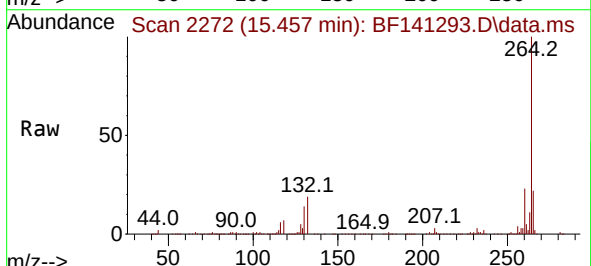
Tgt Ion:149 Resp: 451748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

Manual Integrations
APPROVED

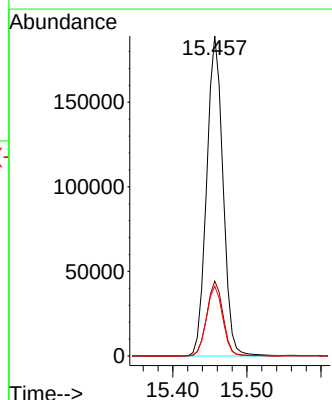
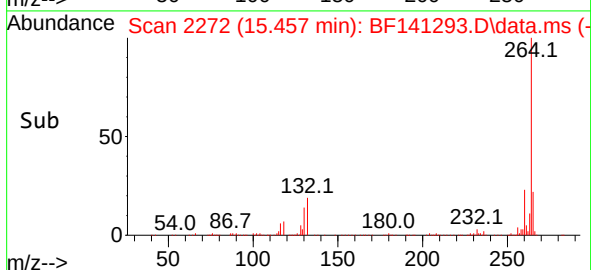
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

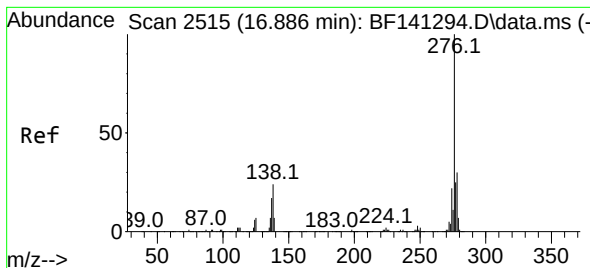


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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

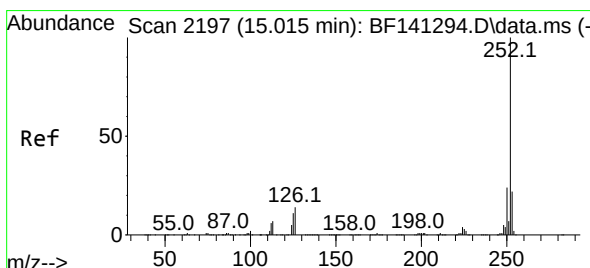
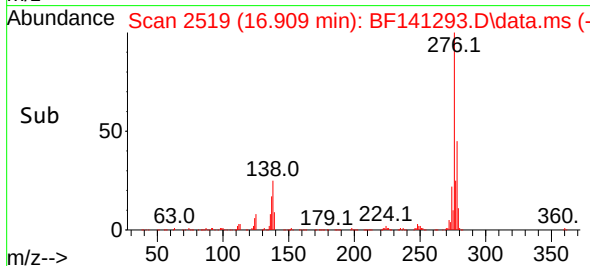
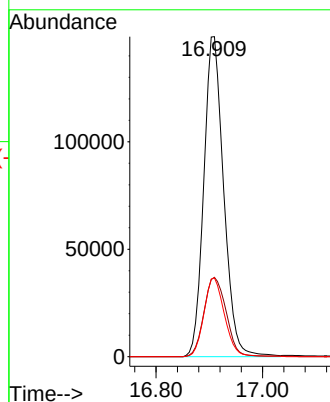
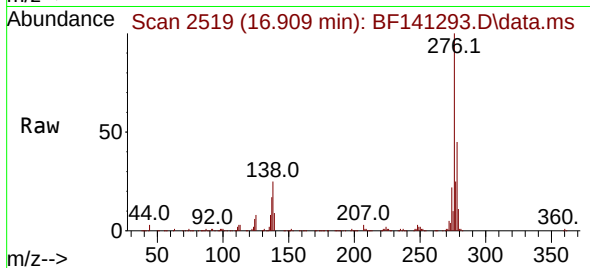
Tgt Ion:	276	Resp:	387089
Ion Ratio	Lower	Upper	
276	100		
138	27.6	21.7	32.5
277	25.5	20.3	30.5

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

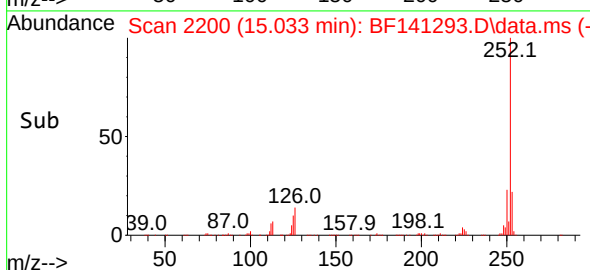
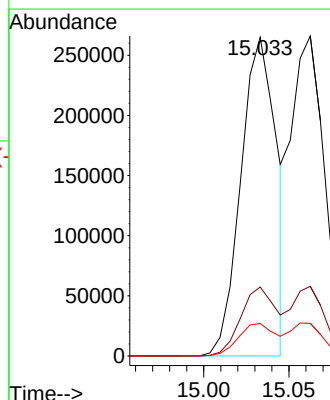
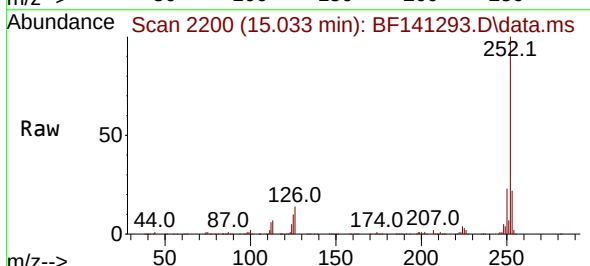
RT: 15.033 min Scan# 2200

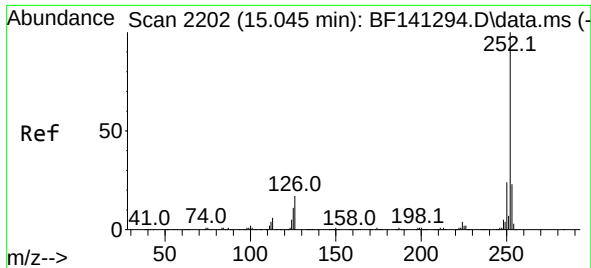
Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

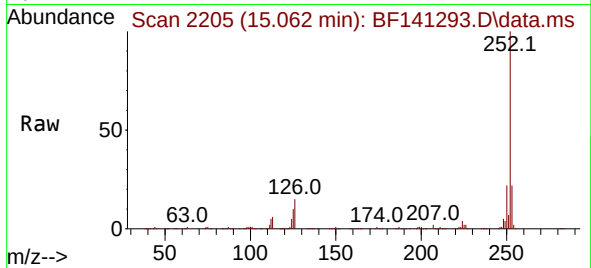
Tgt Ion:	252	Resp:	384557
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.4	26.2
125	10.2	8.6	12.8





#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

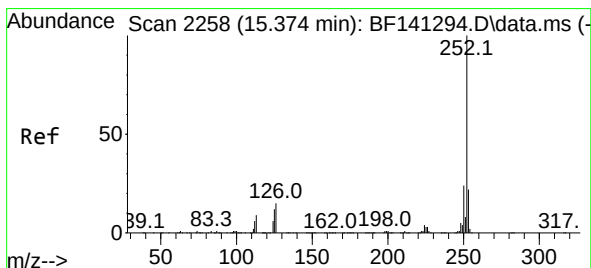
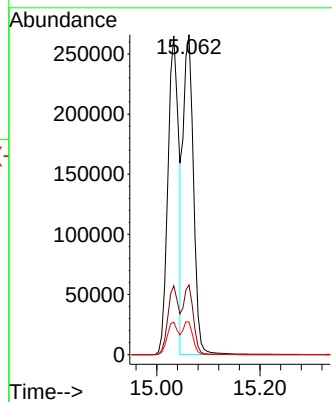
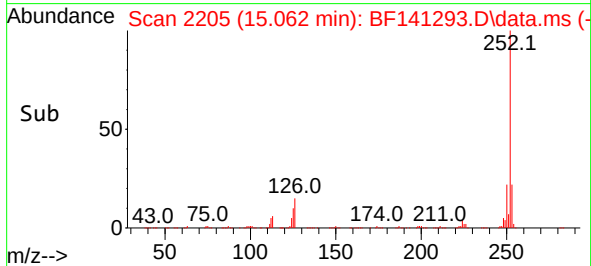
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



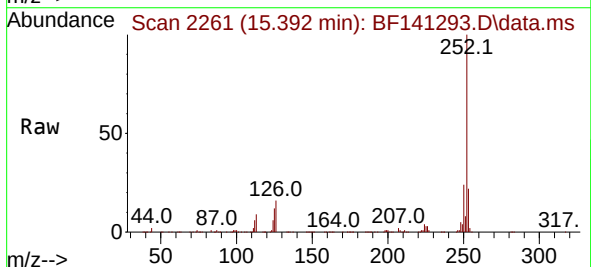
Tgt Ion:252 Resp: 36880
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 10.2 8.4 12.6

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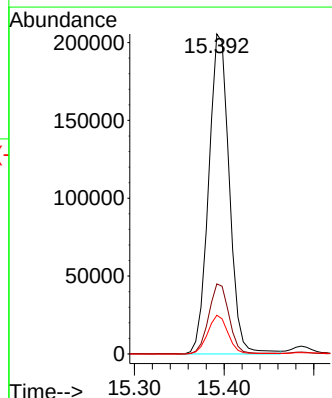
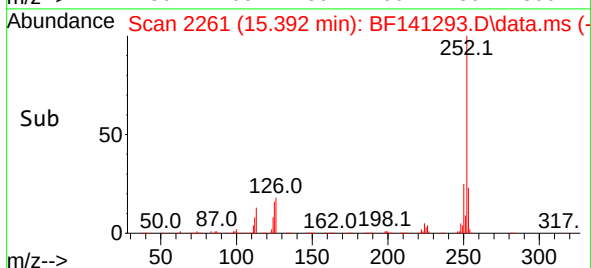
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

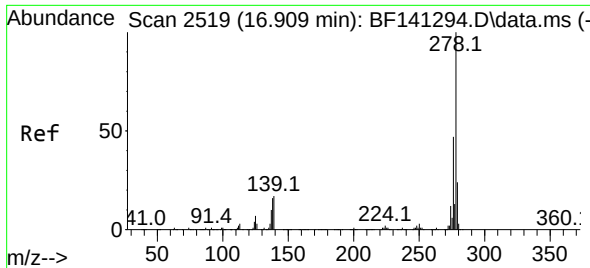


#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



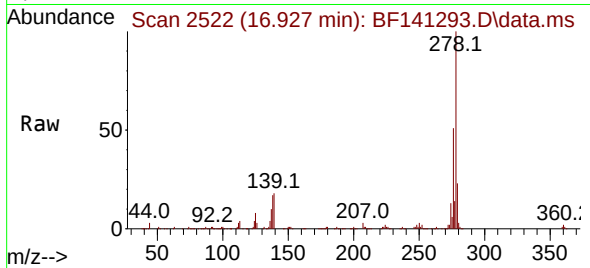
Tgt Ion:252 Resp: 327630
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 12.1 9.4 14.2





#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

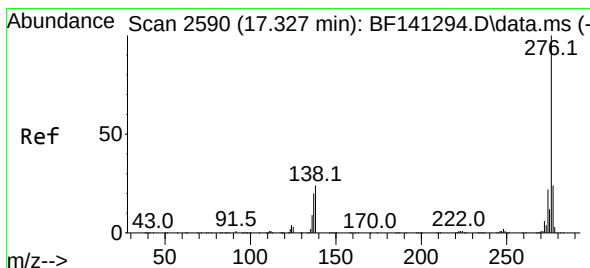
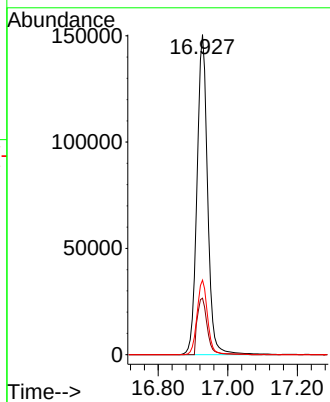
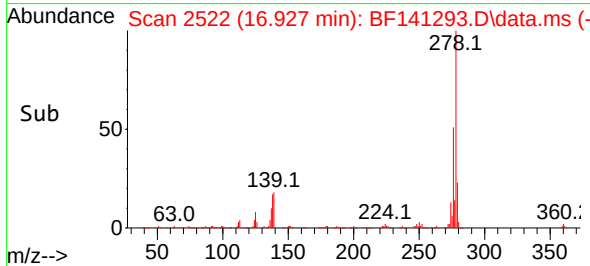
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



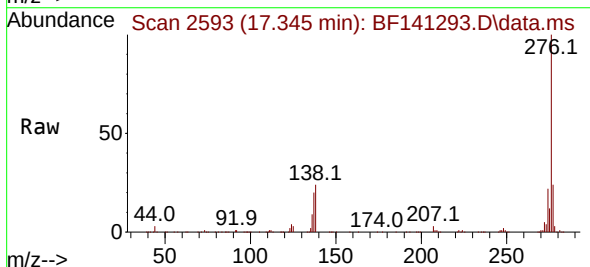
Tgt Ion:278 Resp: 318776
Ion Ratio Lower Upper
278 100
139 17.7 13.9 20.9
279 23.3 18.8 28.2

Manual Integrations
APPROVED

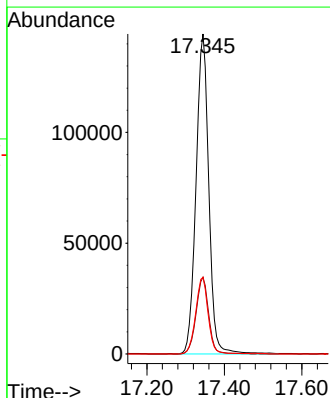
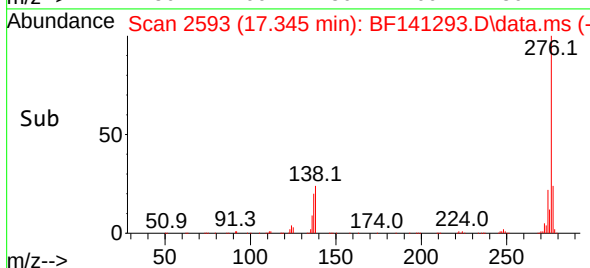
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

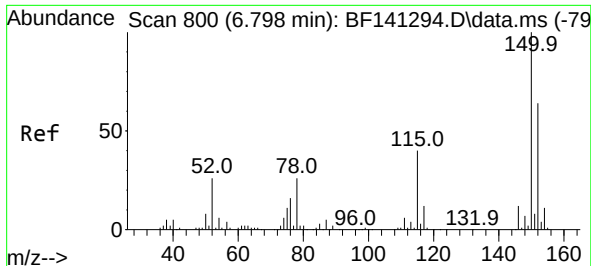
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 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

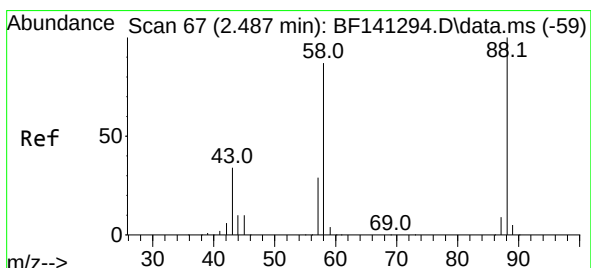
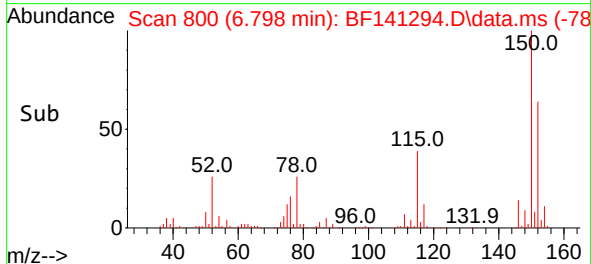
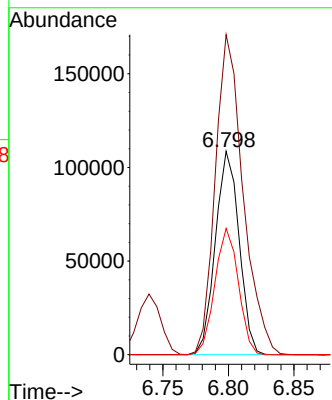
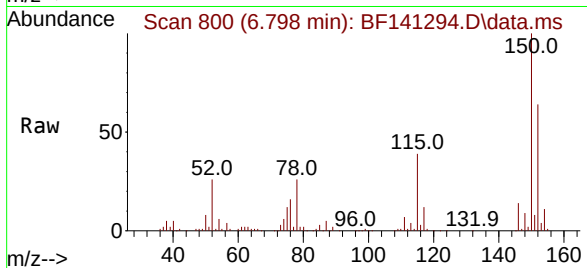
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

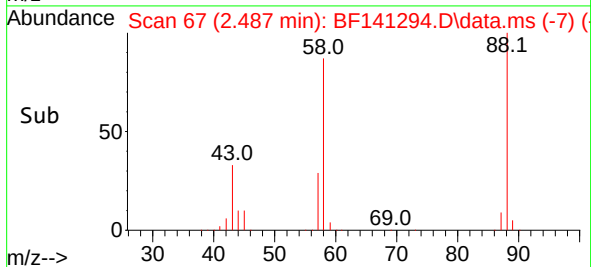
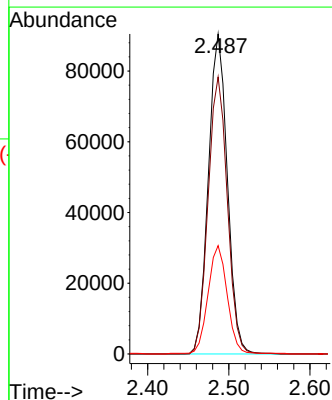
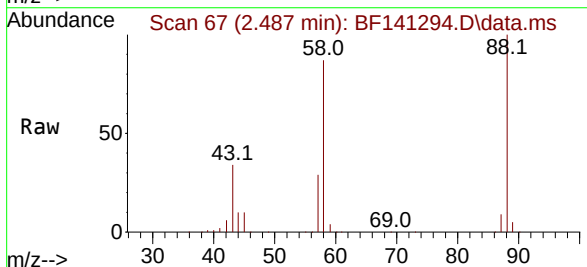
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

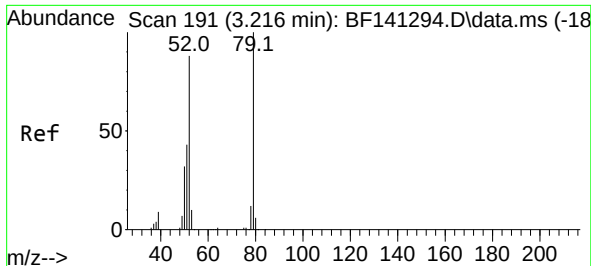
Tgt Ion:152 Resp: 136511
 Ion Ratio Lower Upper
 152 100
 150 157.4 125.9 188.9
 115 62.1 49.7 74.5



#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

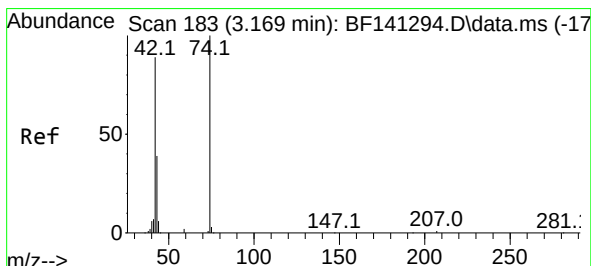
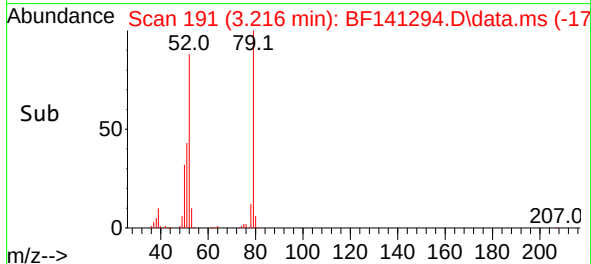
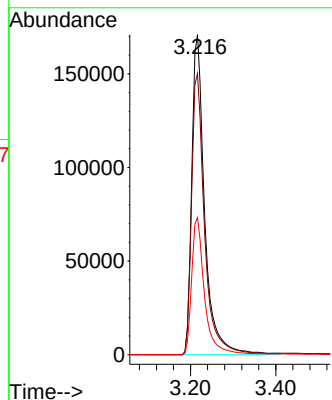
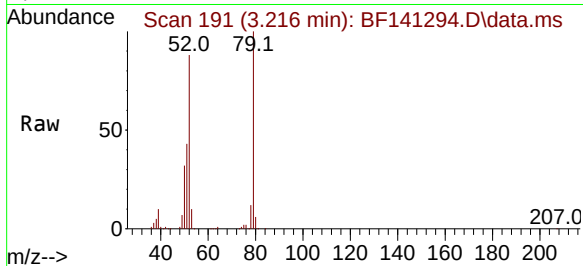




#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

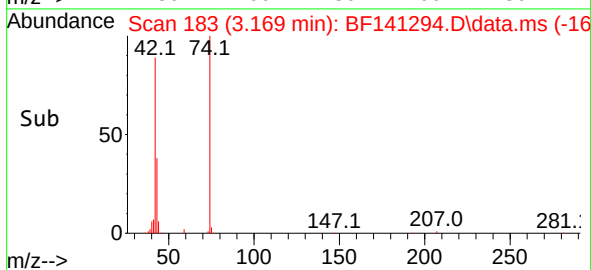
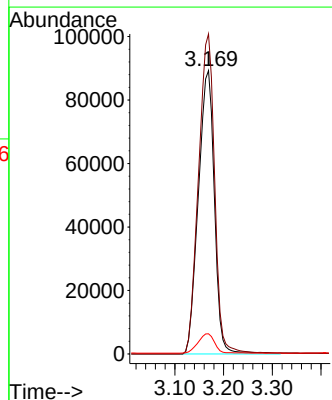
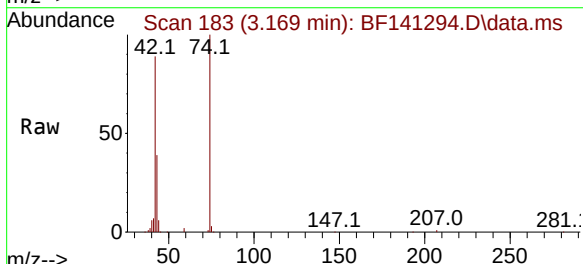
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

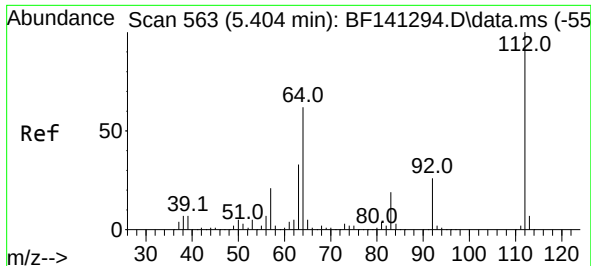
Tgt Ion: 79 Resp: 360381
Ion Ratio Lower Upper
79 100
52 87.9 70.3 105.5
51 42.9 34.3 51.5



#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

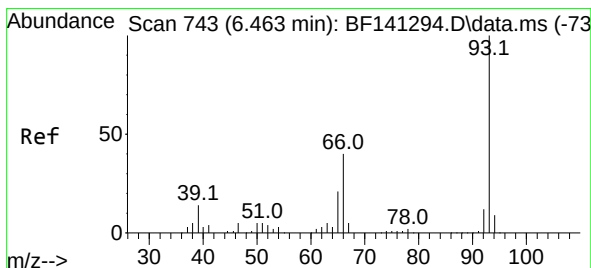
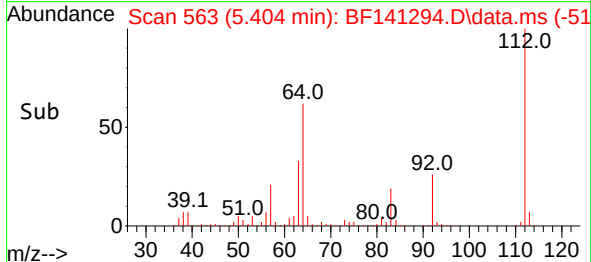
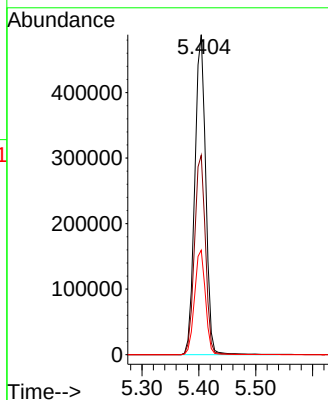
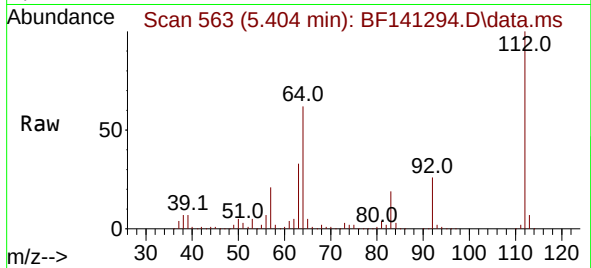




#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

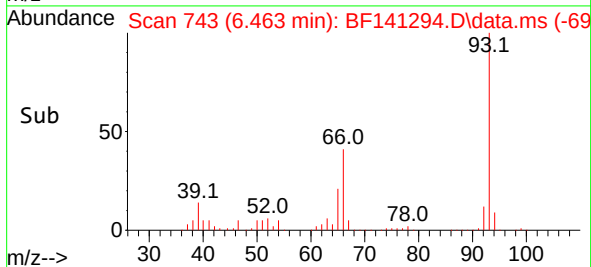
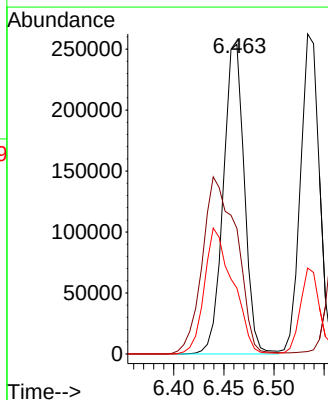
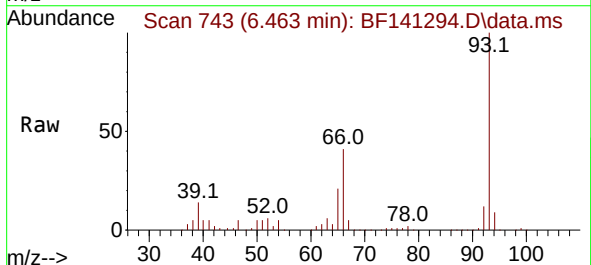
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BNA_F
ClientSampleId :
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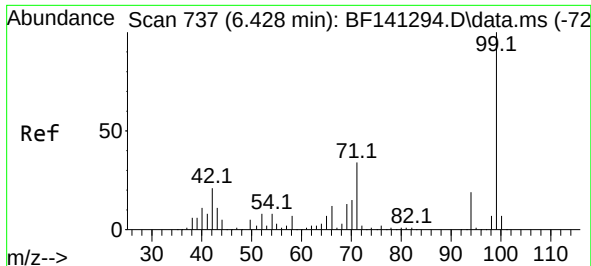
Tgt Ion:112 Resp: 655671
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.6 26.1 39.1



#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

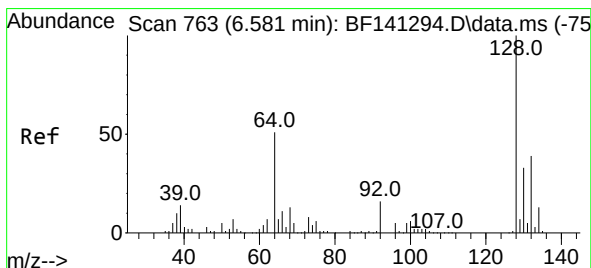
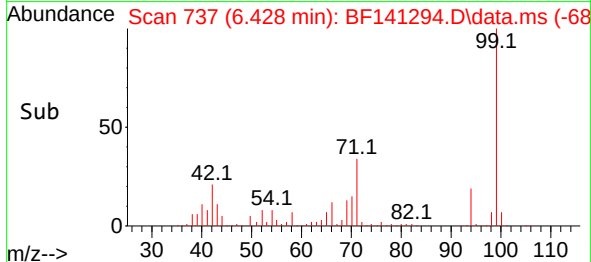
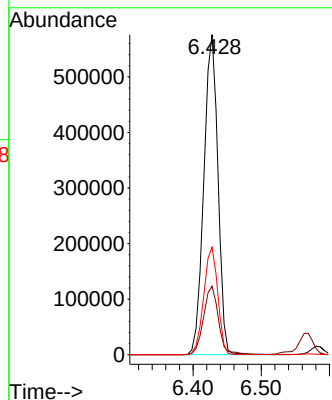
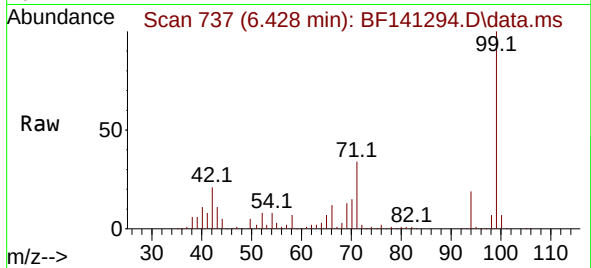




#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

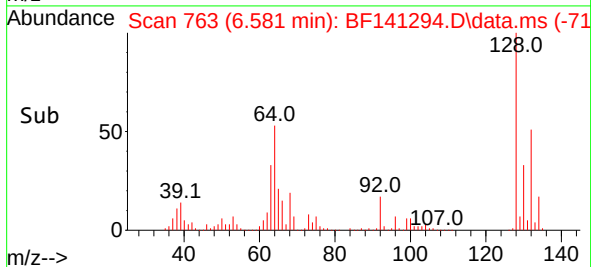
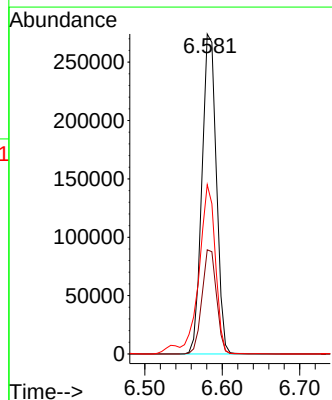
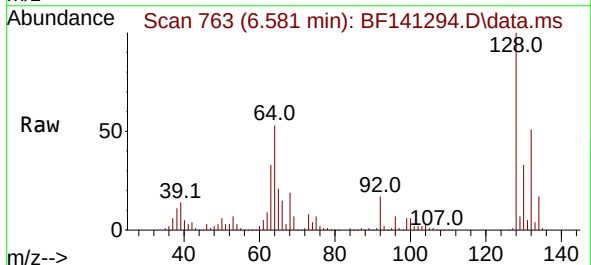
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ClientSampleId :
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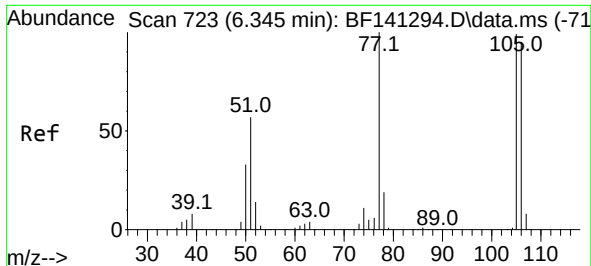
Tgt Ion: 99 Resp: 829746
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.6 26.9 40.3



#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

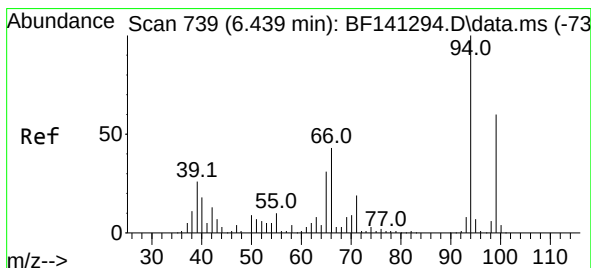
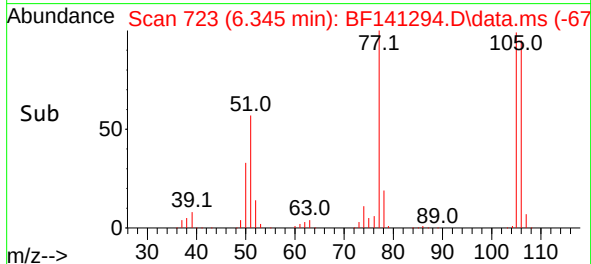
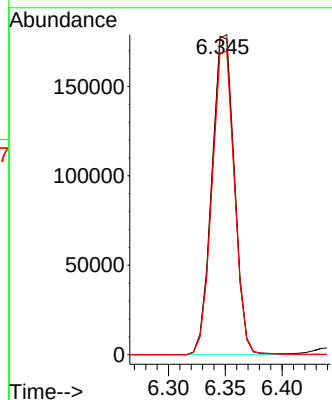
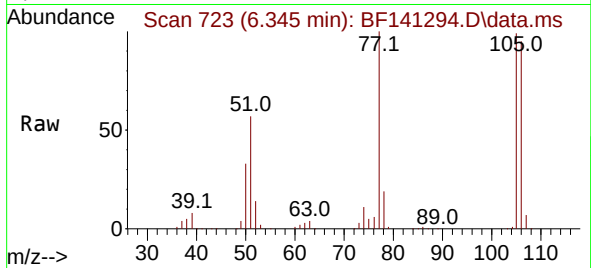




#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

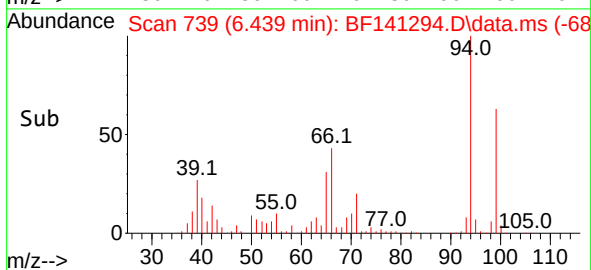
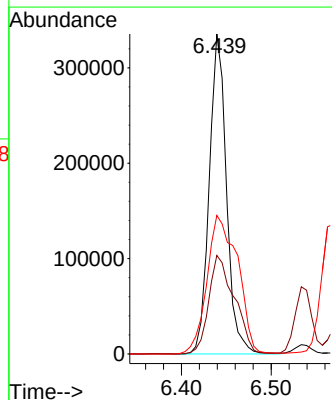
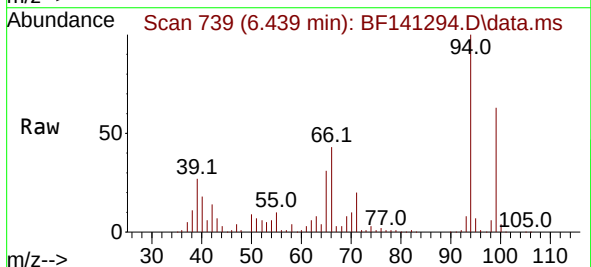
Instrument :
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ClientSampleId :
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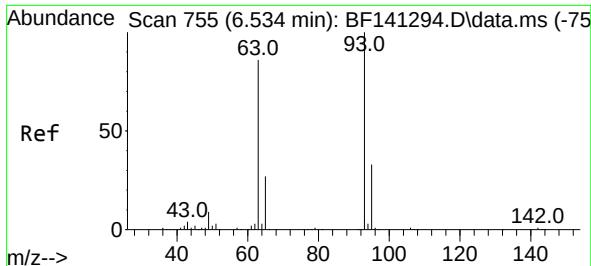
Tgt Ion: 77 Resp: 244365
Ion Ratio Lower Upper
77 100
105 99.4 79.4 119.4
106 94.6 74.6 114.6



#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

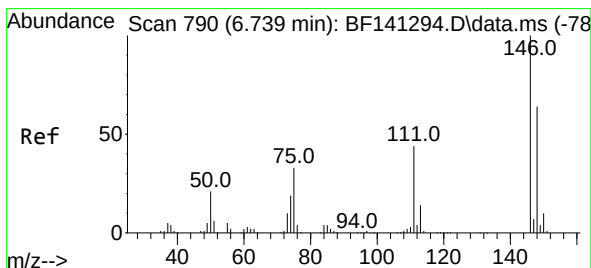
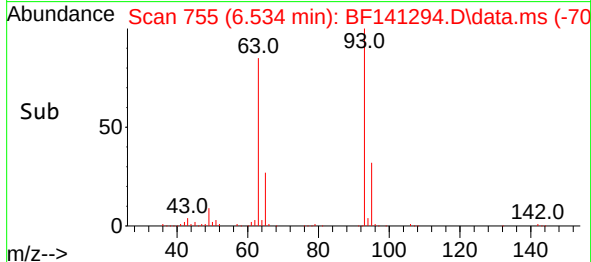
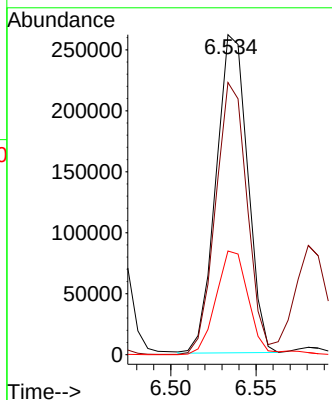
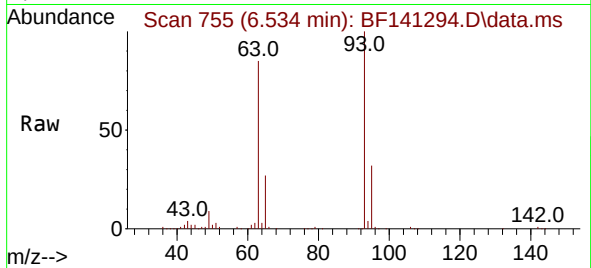




#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

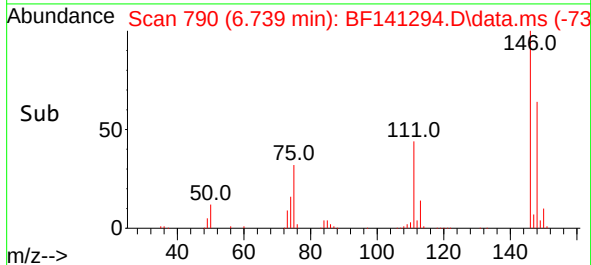
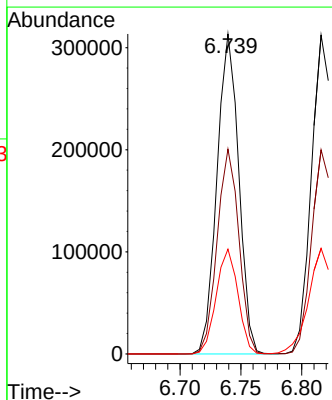
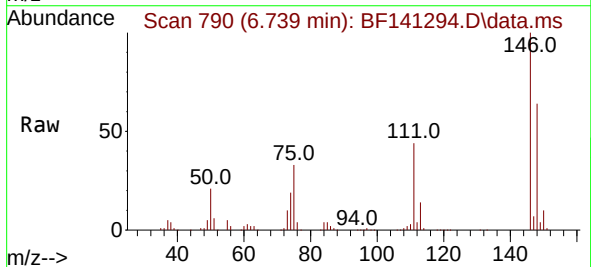
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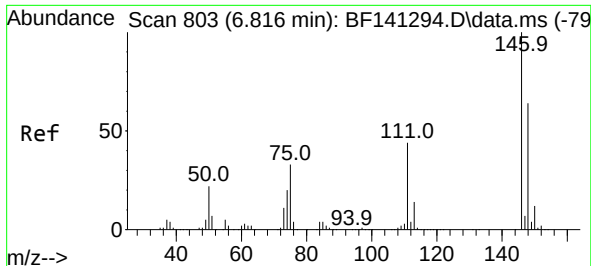
Tgt Ion: 93	Resp: 336429
Ion Ratio	Lower Upper
93 100	
63 85.0	65.0 105.0
95 32.4	12.4 52.4



#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

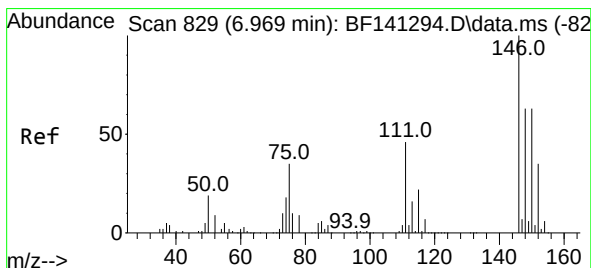
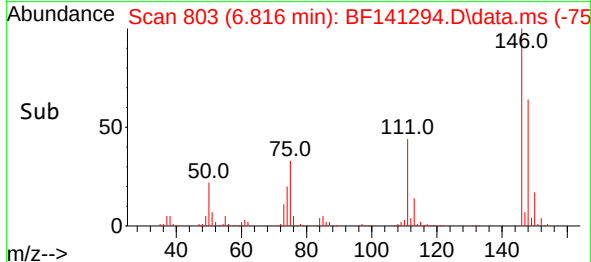
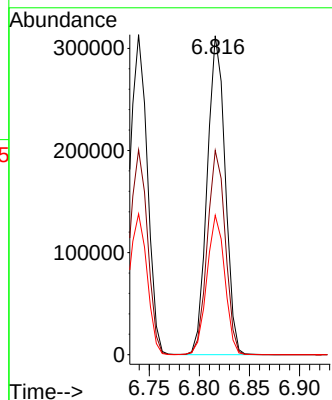
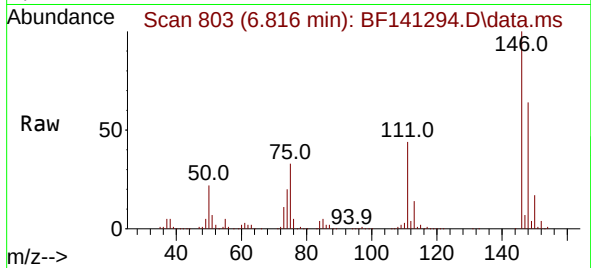




#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

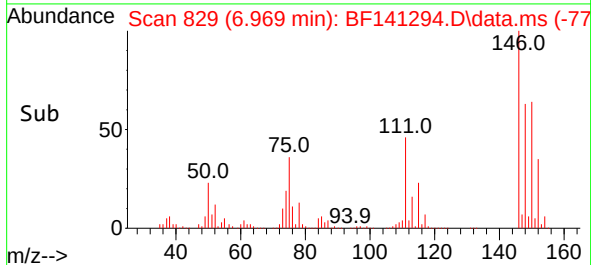
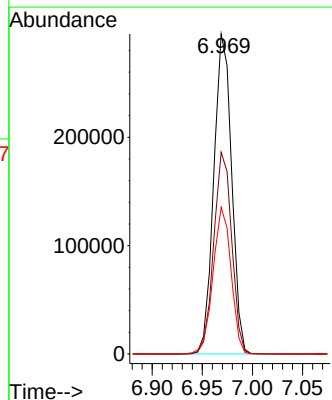
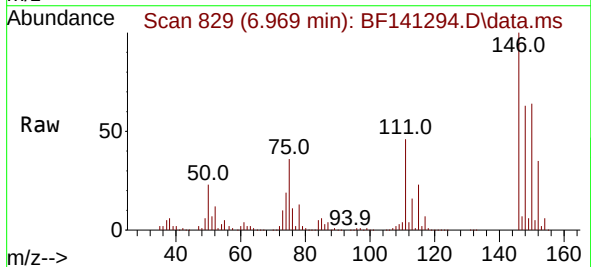
Instrument :
BNA_F
ClientSampleId :
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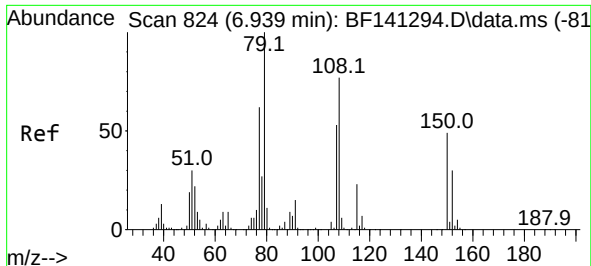
Tgt Ion:146 Resp: 390834
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
111 43.7 35.0 52.4



#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

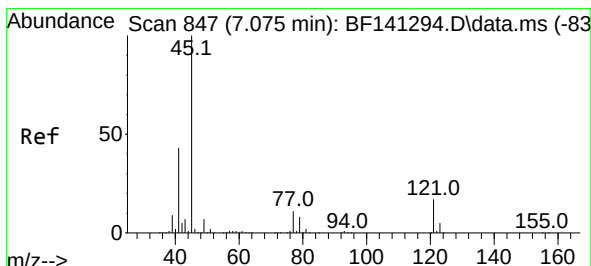
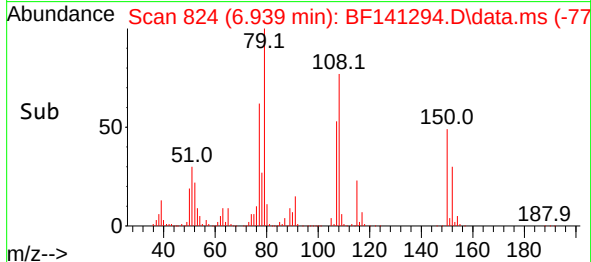
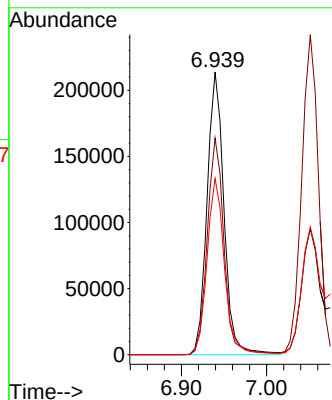
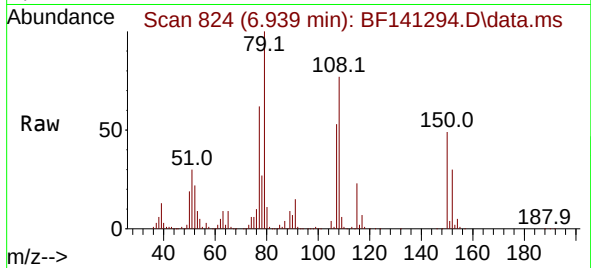




#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

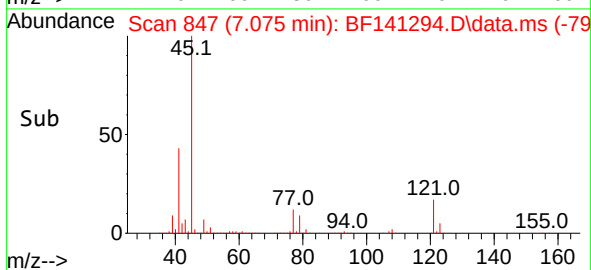
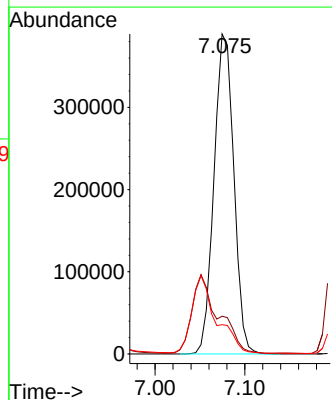
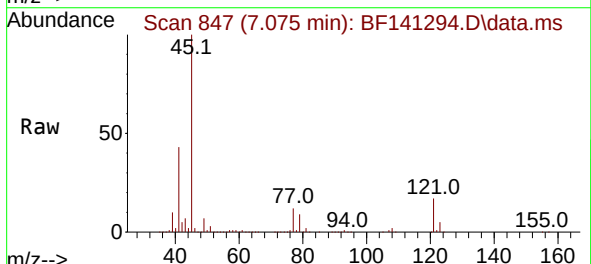
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

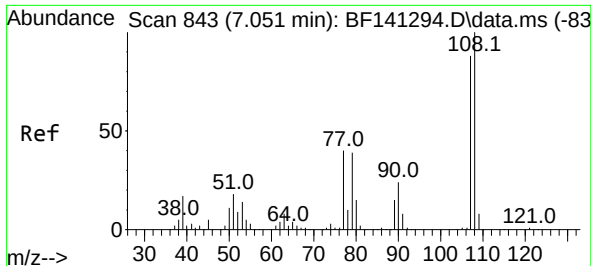
Tgt Ion: 79 Resp: 295478
Ion Ratio Lower Upper
79 100
108 76.7 61.4 92.0
77 62.4 49.9 74.9



#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

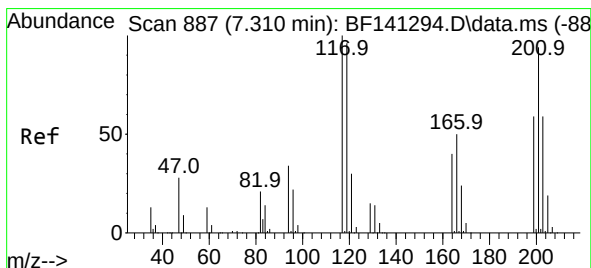
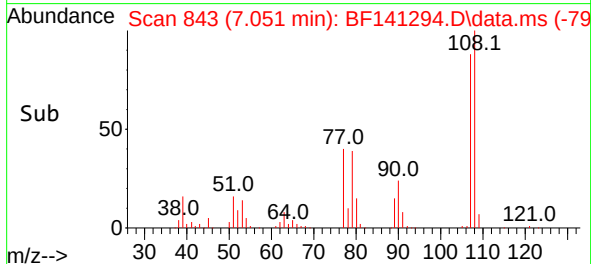
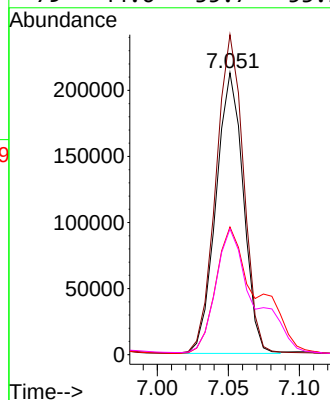
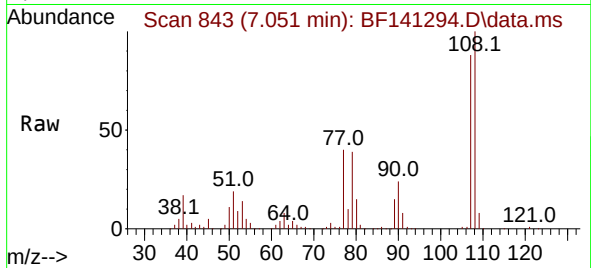




#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

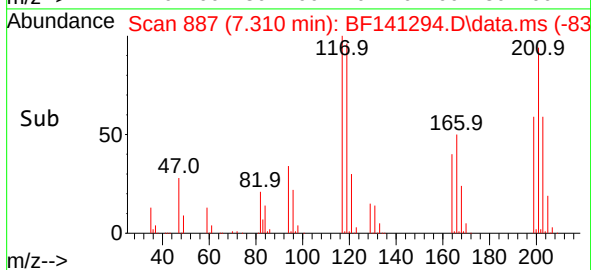
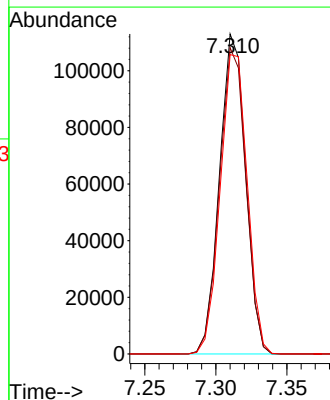
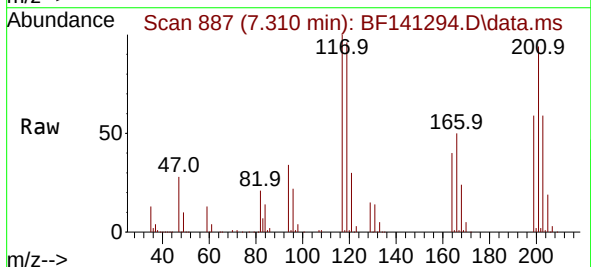
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

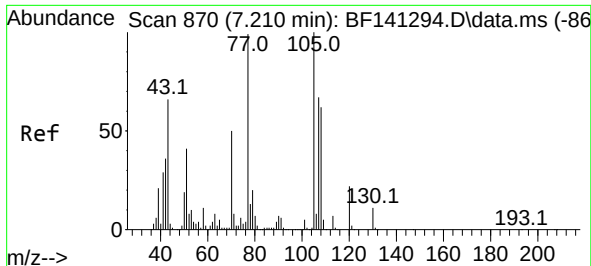
Tgt Ion:	107	Resp:	284578
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.3	36.2	54.4
79	44.6	35.7	53.5



#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



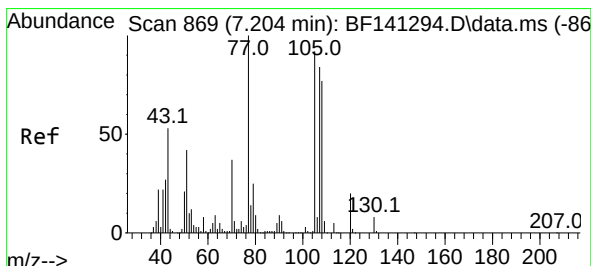
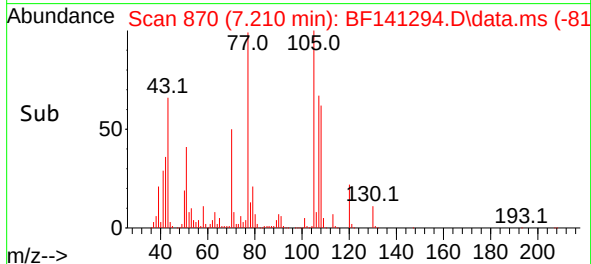
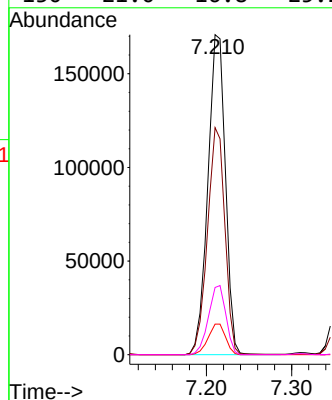
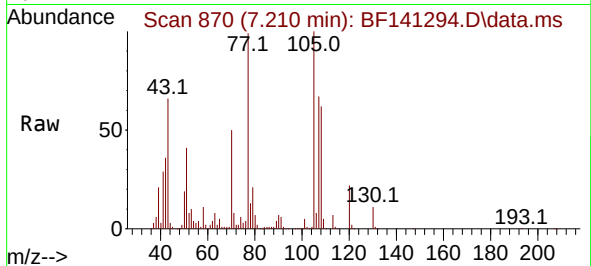


#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 244379

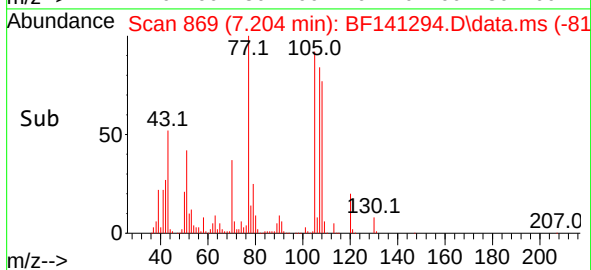
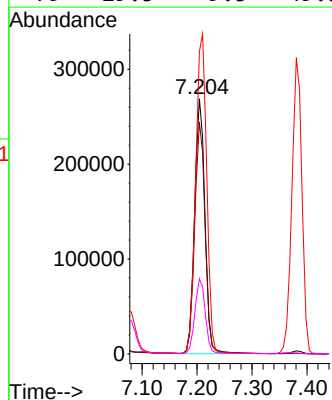
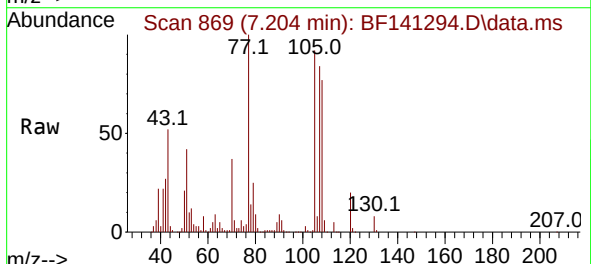
Ion	Ratio	Lower	Upper
70	100		
42	71.0	56.8	85.2
101	9.6	7.7	11.5
130	21.0	16.8	25.2

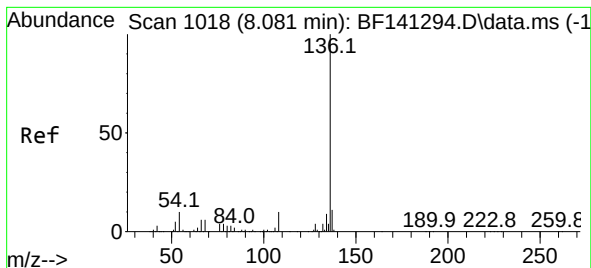


#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



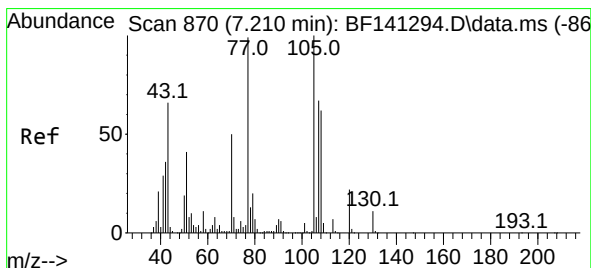
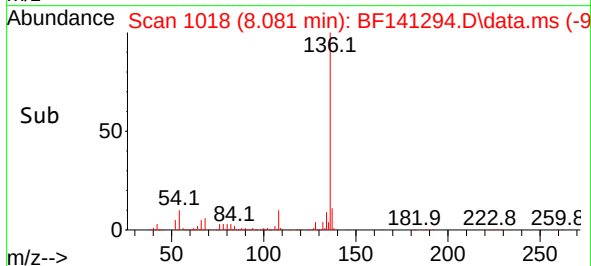
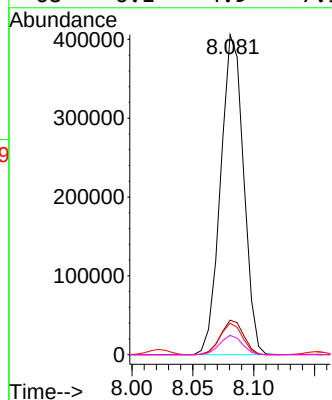
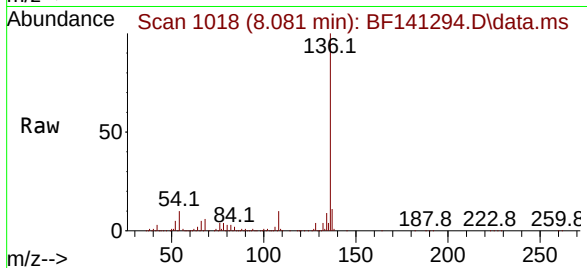


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 533326

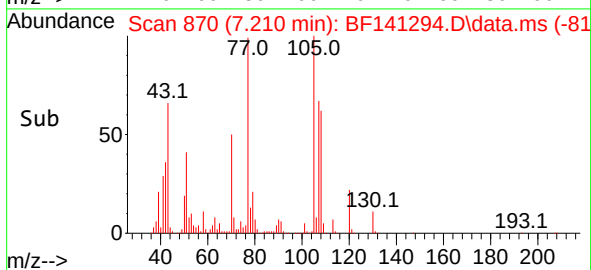
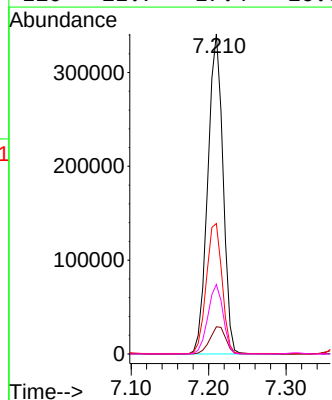
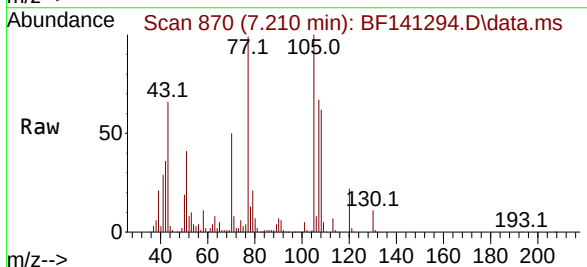
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3

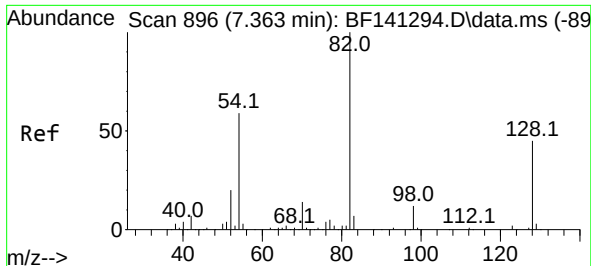


#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

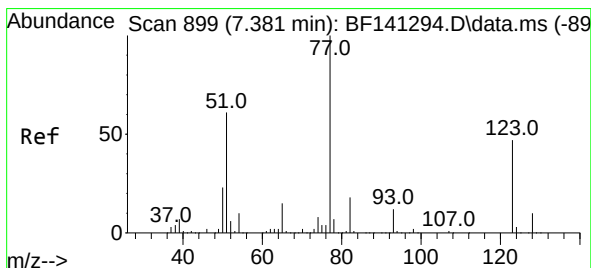
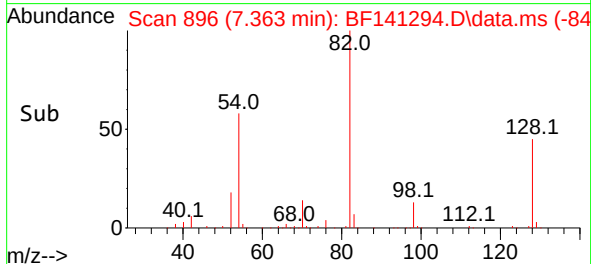
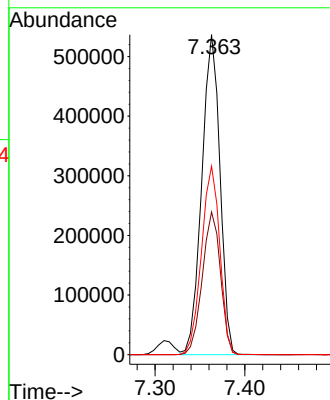
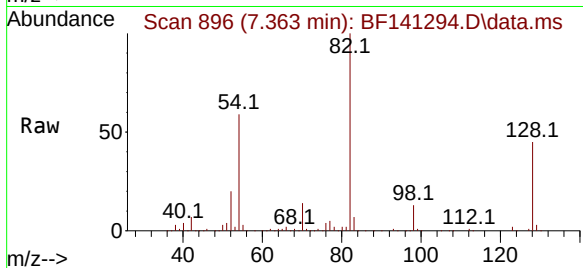
Tgt Ion: 82 Resp: 755539

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

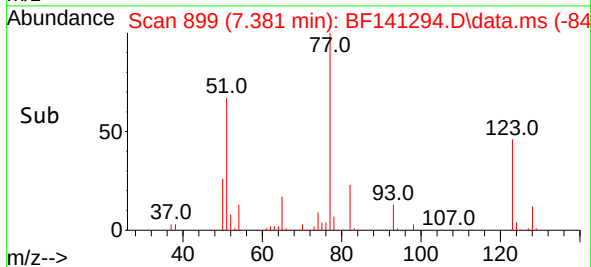
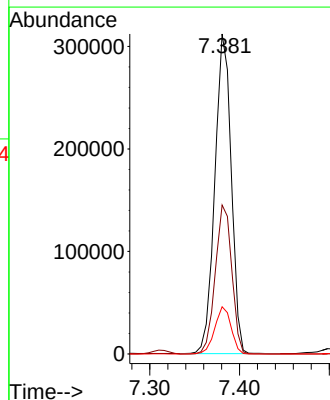
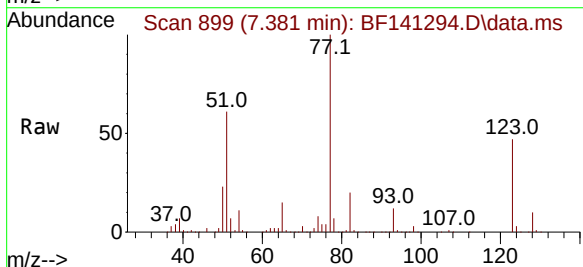
Tgt Ion: 77 Resp: 396149

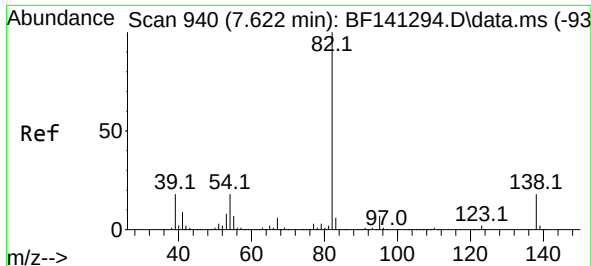
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.7 11.8 17.6

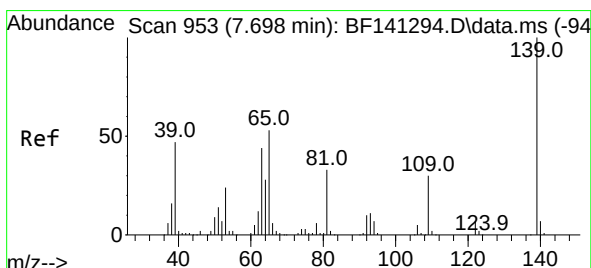
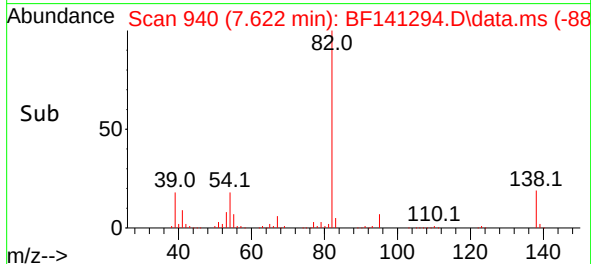
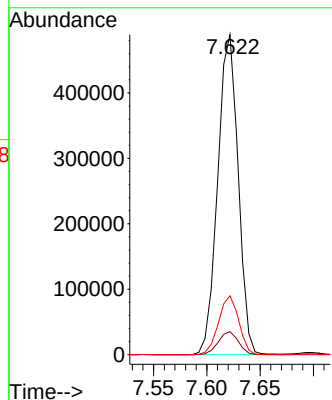
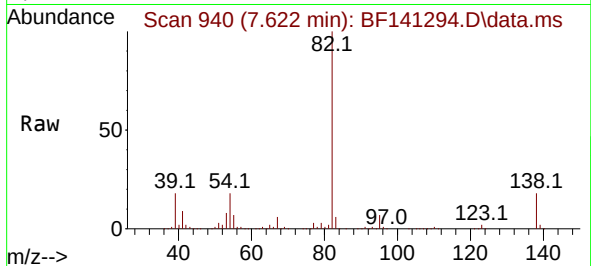




#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

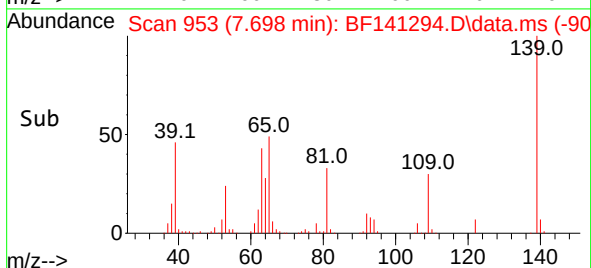
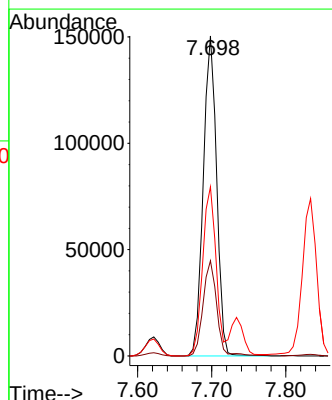
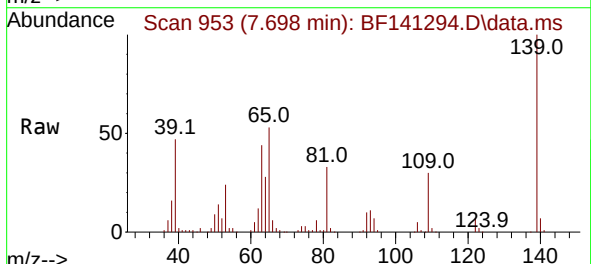
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

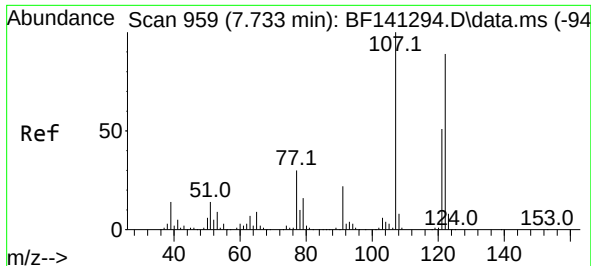
Tgt Ion: 82 Resp: 651994
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.4 14.7 22.1



#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

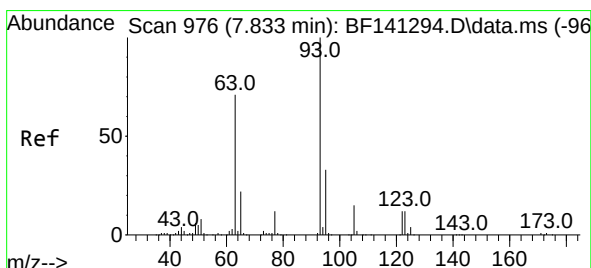
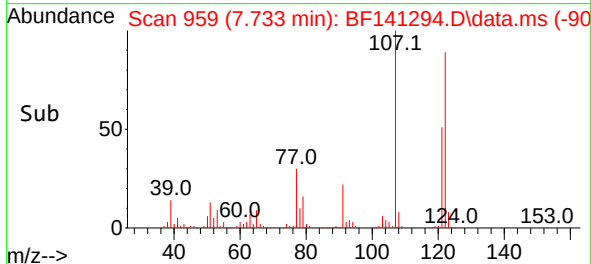
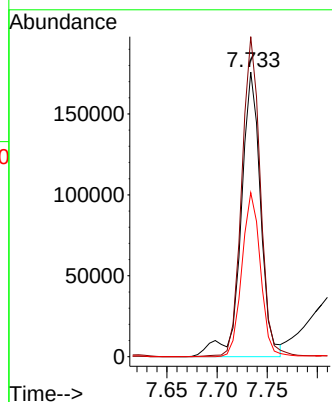
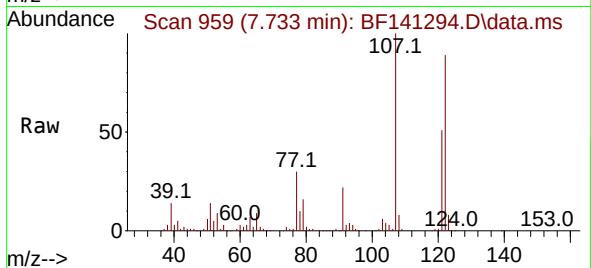




#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

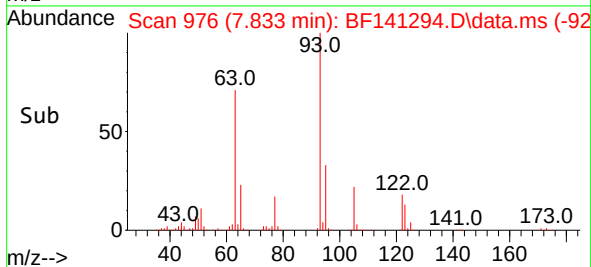
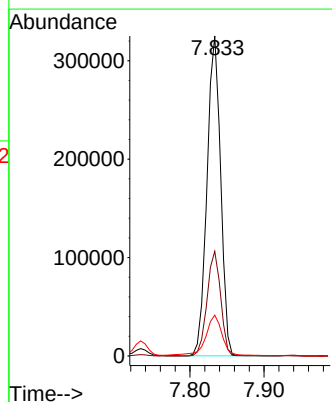
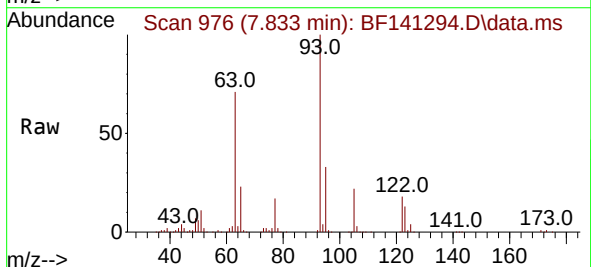
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

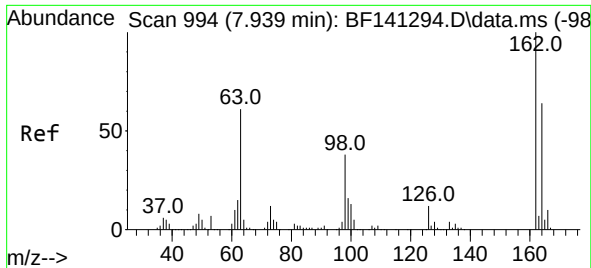
Tgt Ion:122 Resp: 239376
Ion Ratio Lower Upper
122 100
107 112.4 89.9 134.9
121 57.6 46.1 69.1



#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

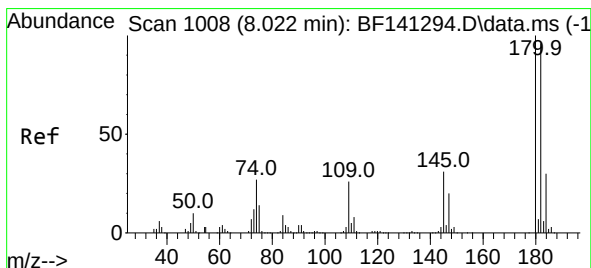
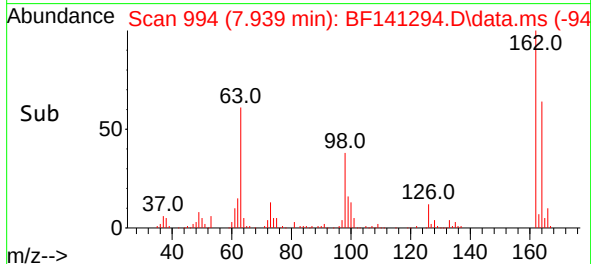
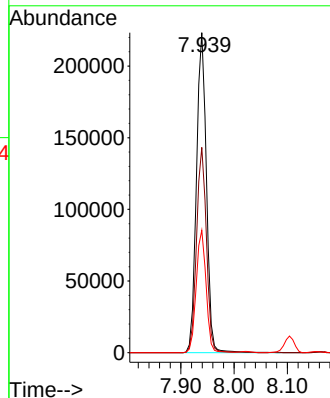
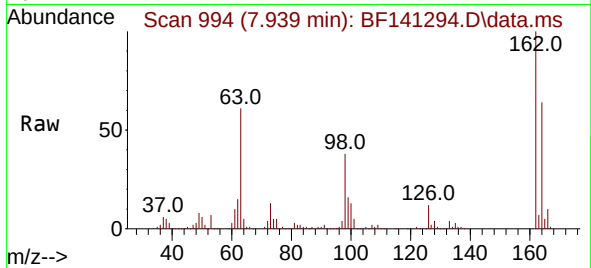
Tgt Ion:162 Resp: 288763

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

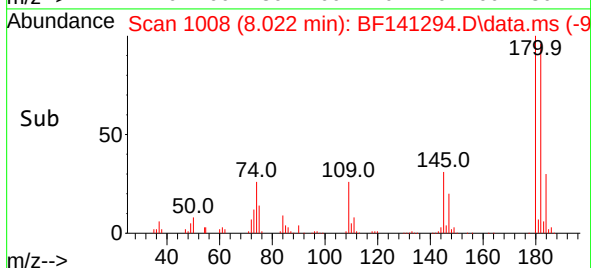
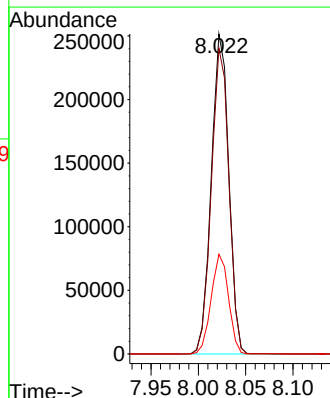
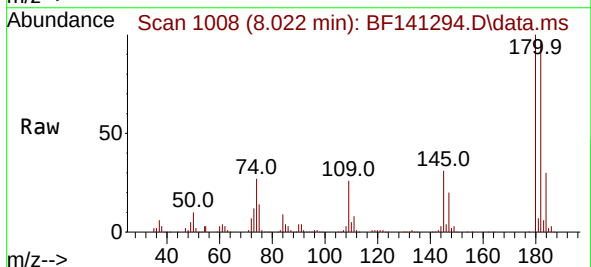
Tgt Ion:180 Resp: 323865

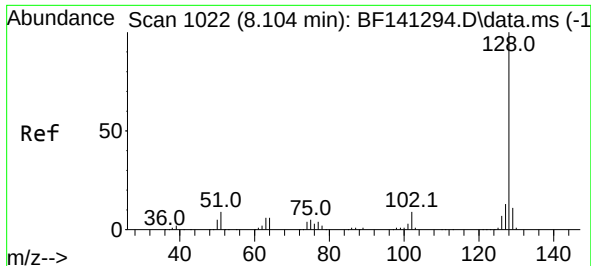
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.1 24.9 37.3

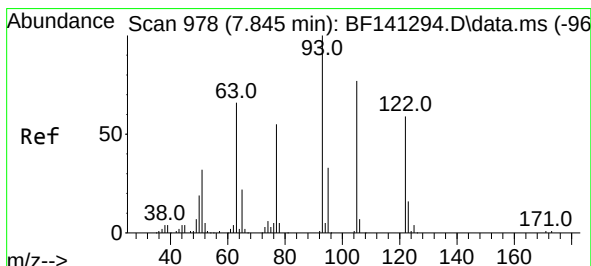
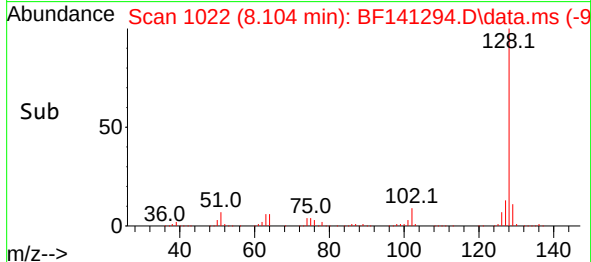
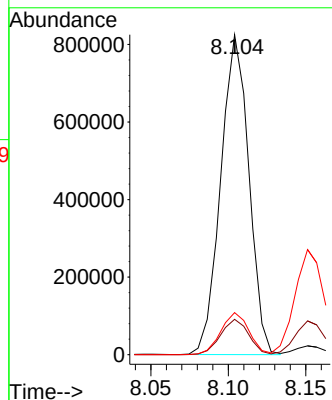
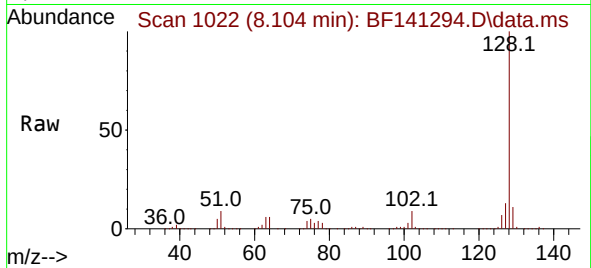




#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

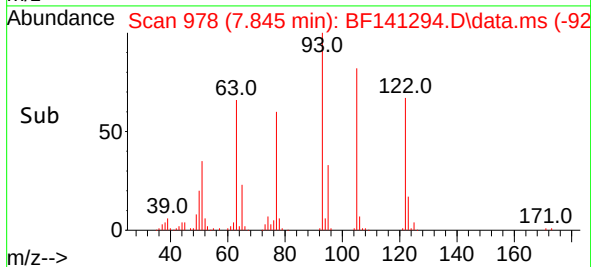
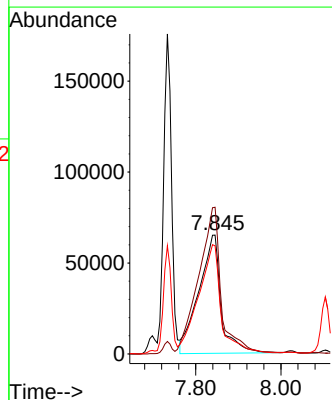
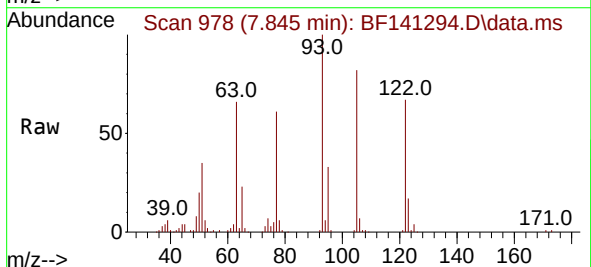
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

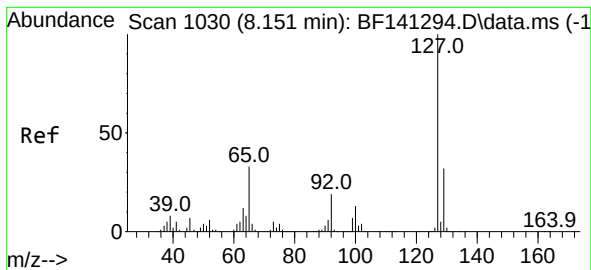
Tgt Ion:128 Resp: 1041107
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.6 15.8



#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

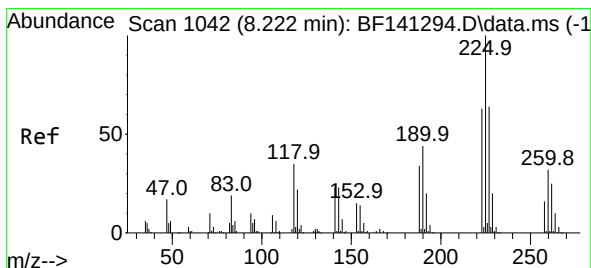
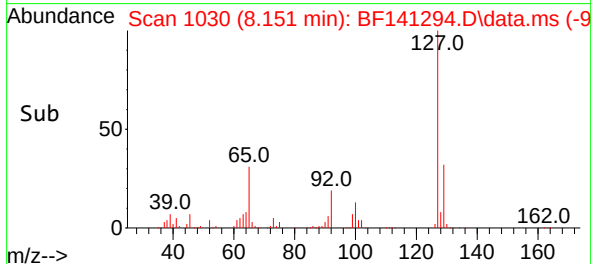
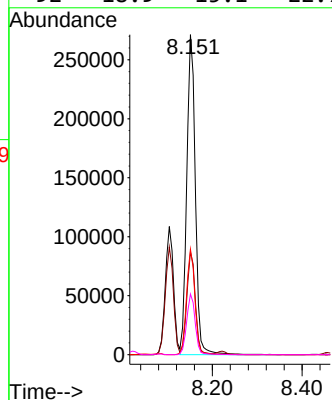
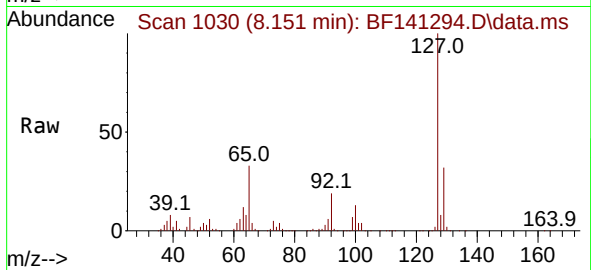




#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

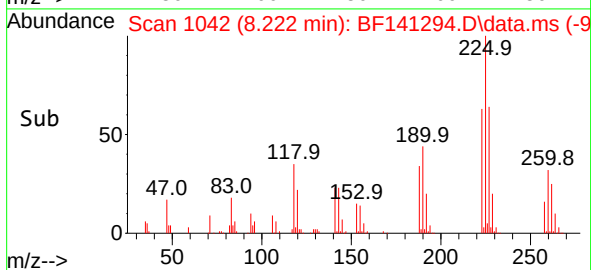
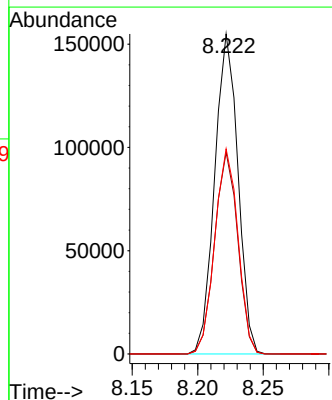
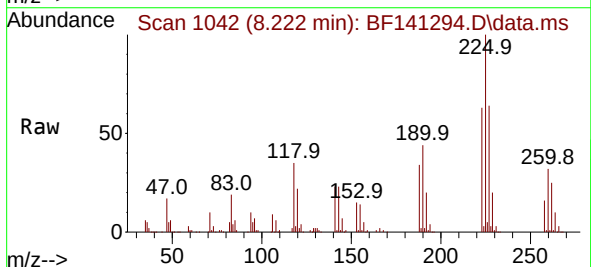
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

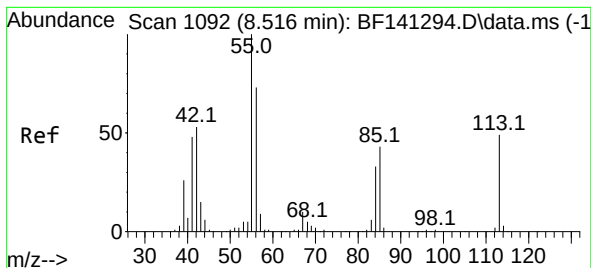
Tgt Ion:	127	Resp:	361001
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7



#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

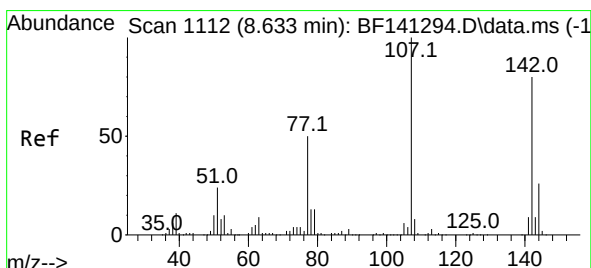
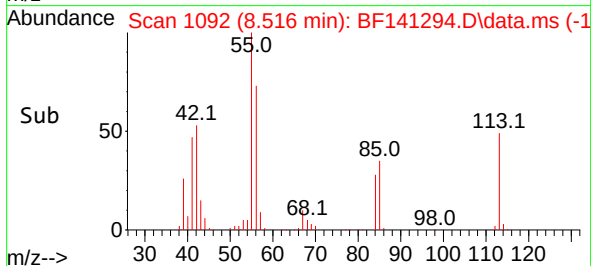
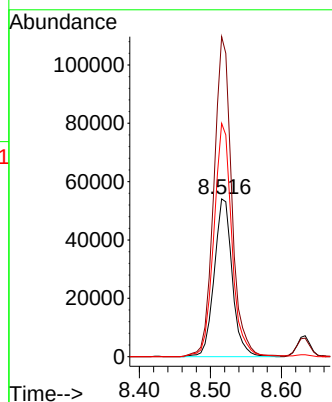
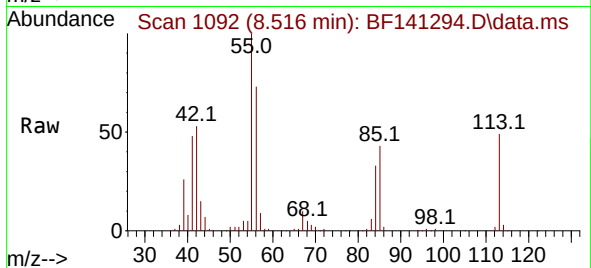
Tgt Ion:113 Resp: 94819

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

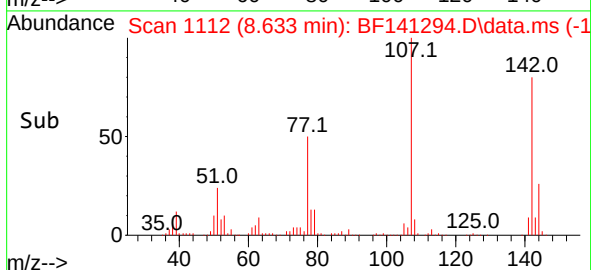
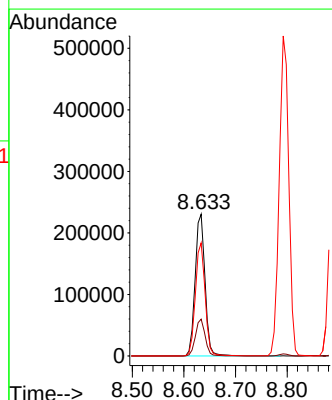
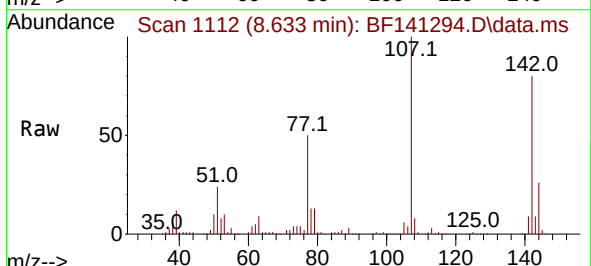
Tgt Ion:107 Resp: 305768

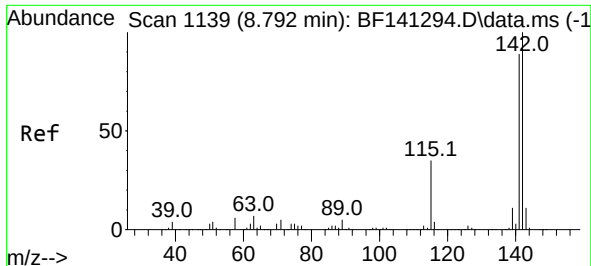
Ion Ratio Lower Upper

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 :

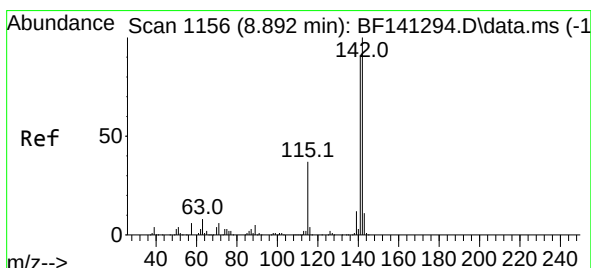
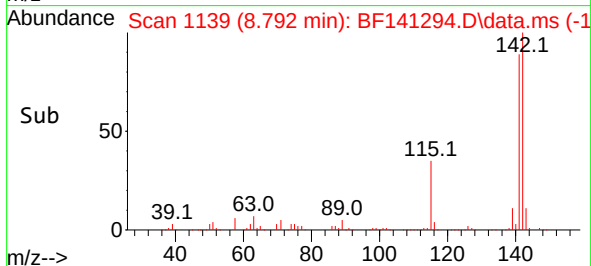
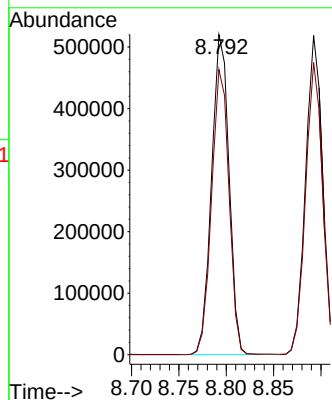
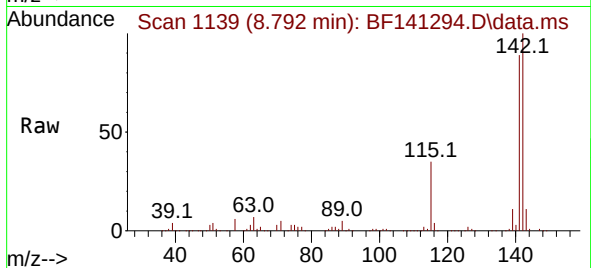
SSTDICCC040

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

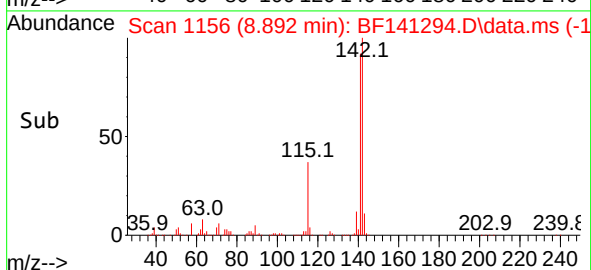
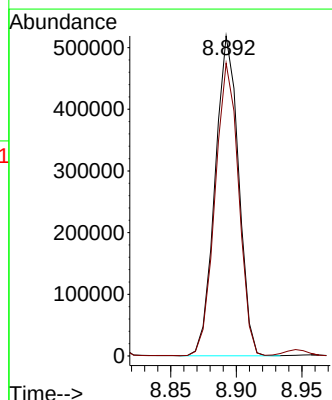
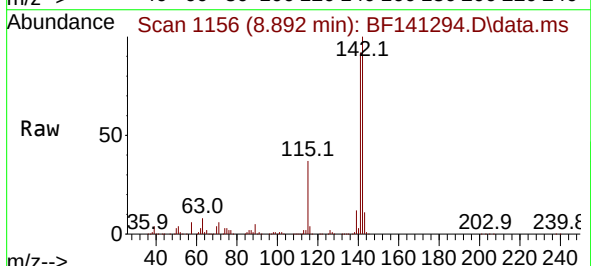
Acq: 29 Jan 2025 15:45

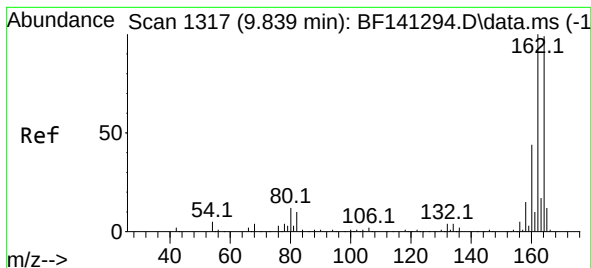
Tgt Ion:142 Resp: 646346

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

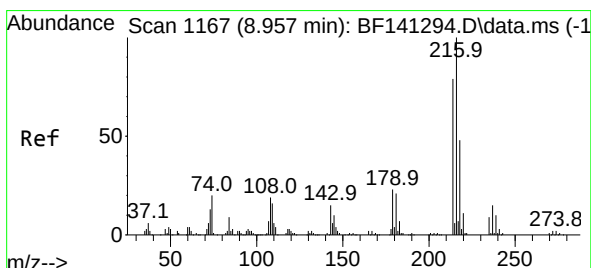
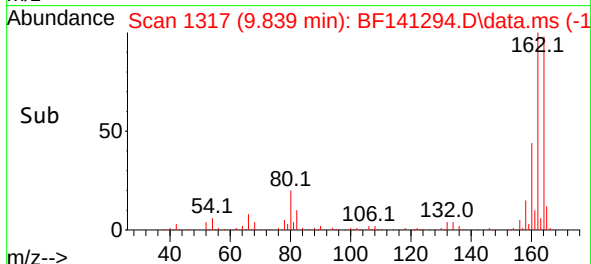
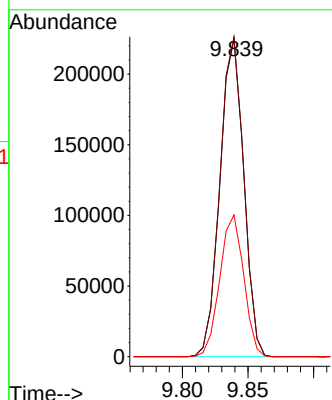
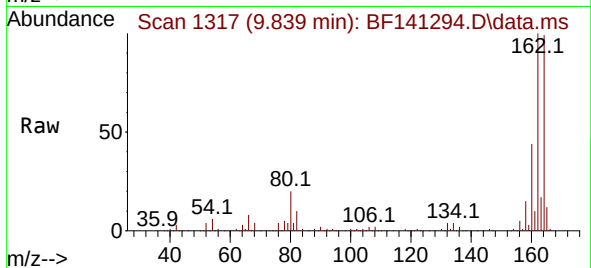
Tgt Ion:164 Resp: 282995

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

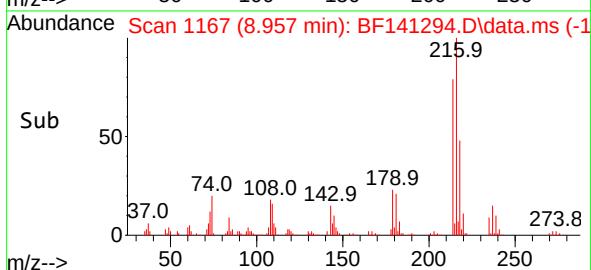
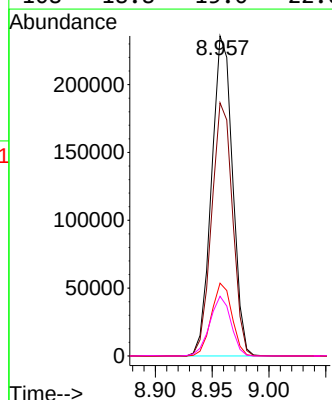
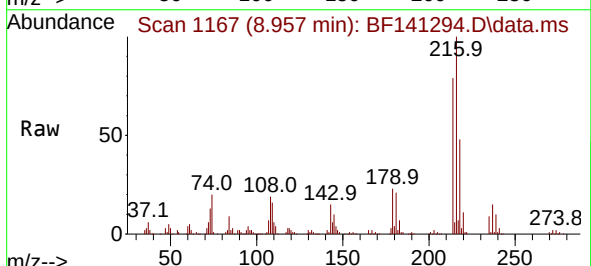
Ion Ratio Lower Upper

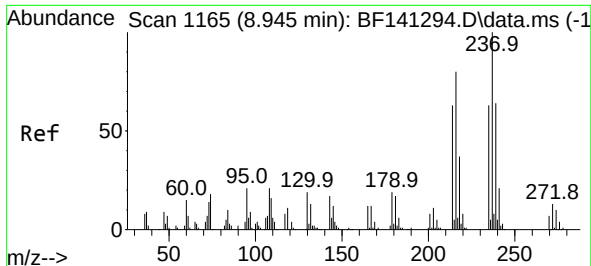
216 100

214 79.0 63.2 94.8

179 22.3 17.8 26.8

108 18.8 15.0 22.6

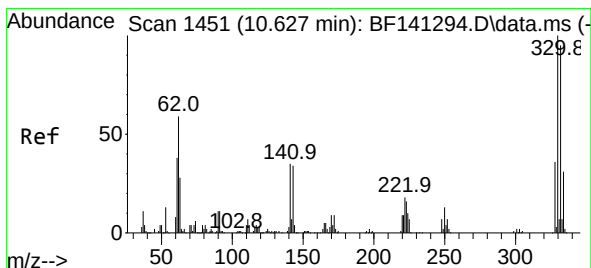
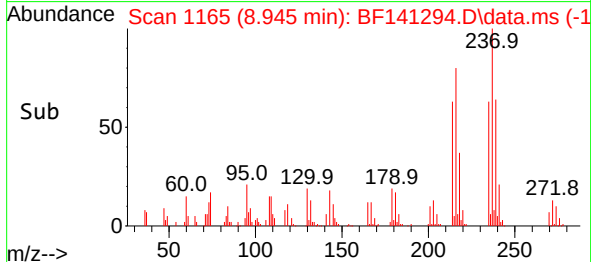
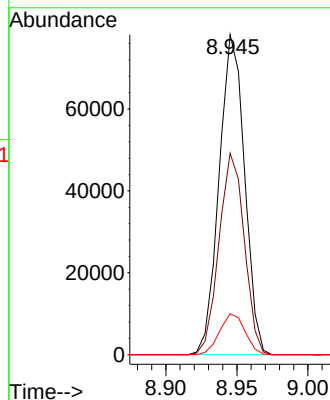
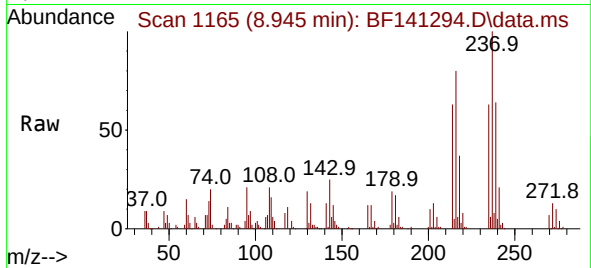




#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

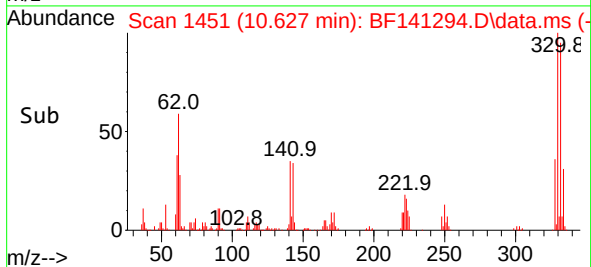
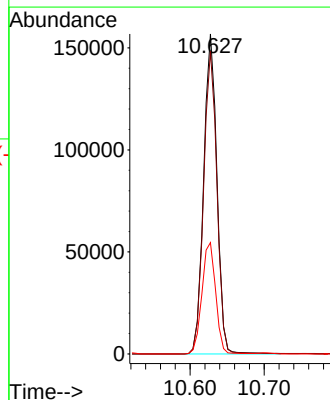
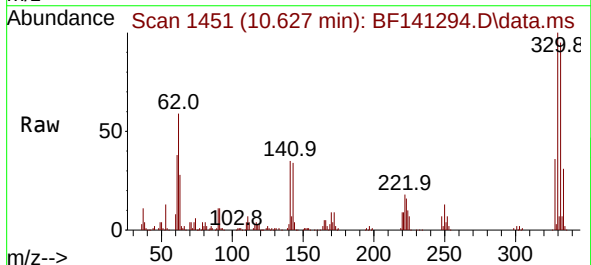
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

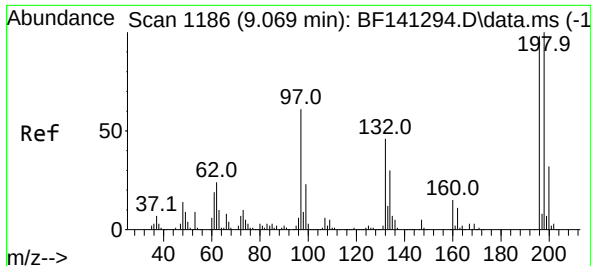
Tgt Ion:237	Resp:	97299
Ion Ratio	Lower	Upper
237	100	
235	62.9	42.9 82.9
272	12.8	0.0 32.8



#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

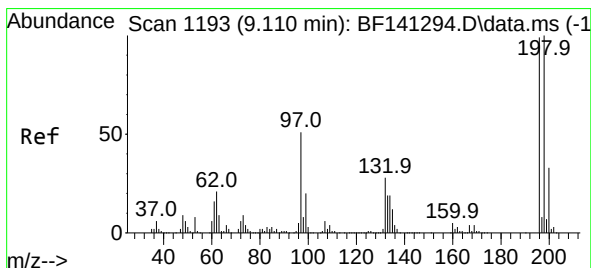
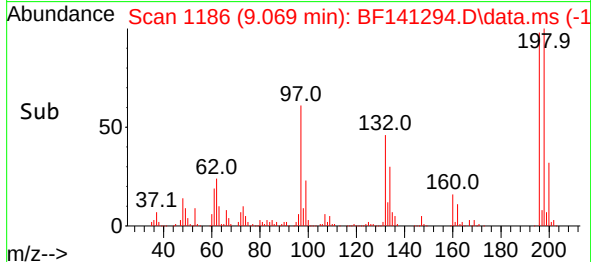
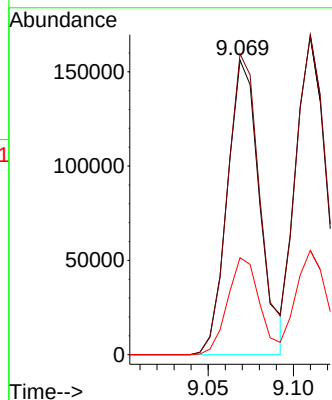
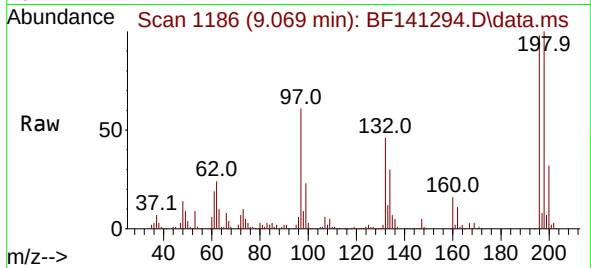




#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

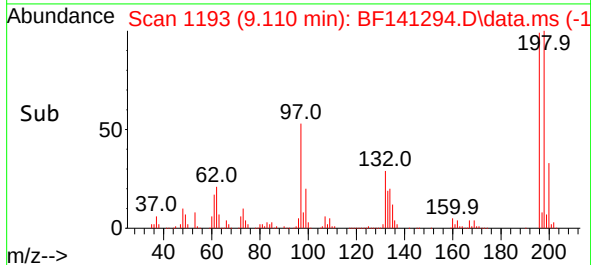
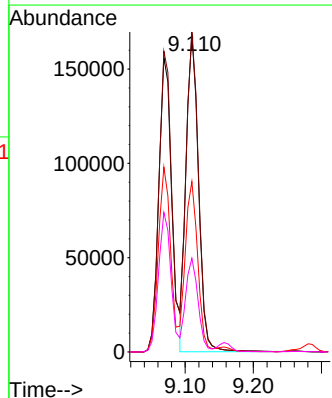
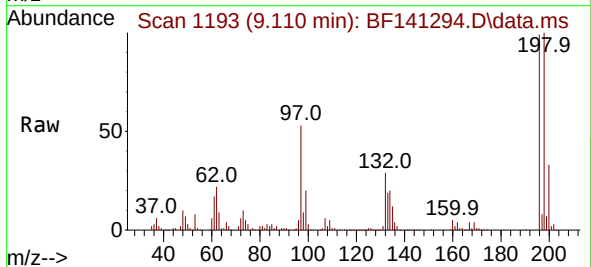
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

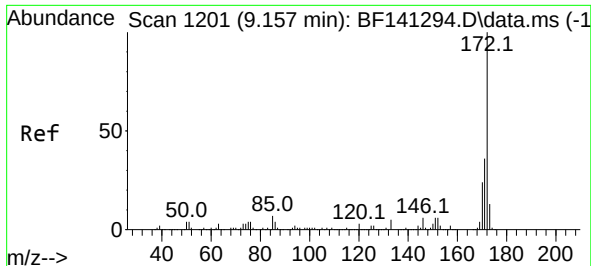
Tgt Ion:196 Resp: 205797
Ion Ratio Lower Upper
196 100
198 102.2 81.8 122.6
200 32.9 26.3 39.5



#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

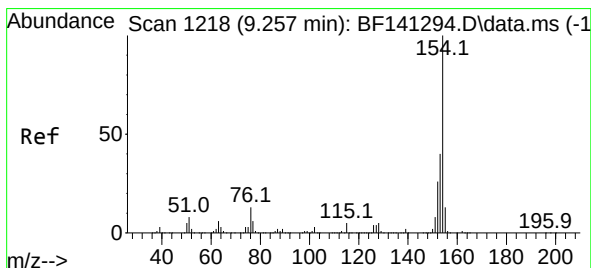
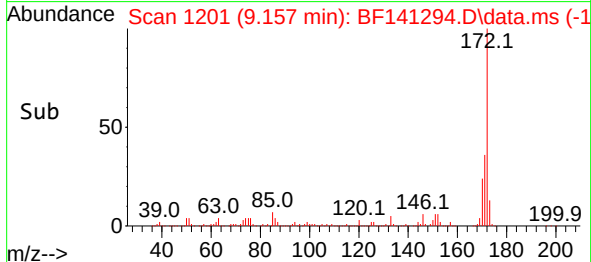
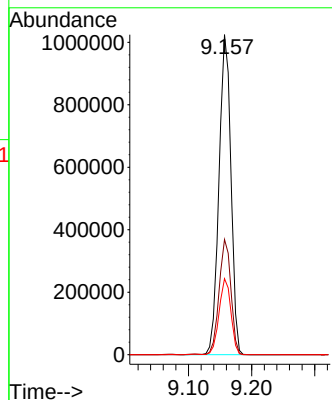
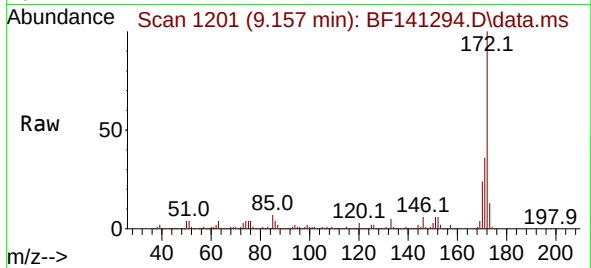




#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

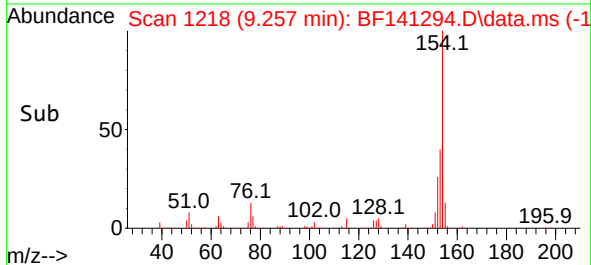
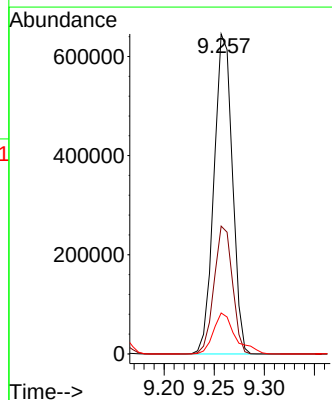
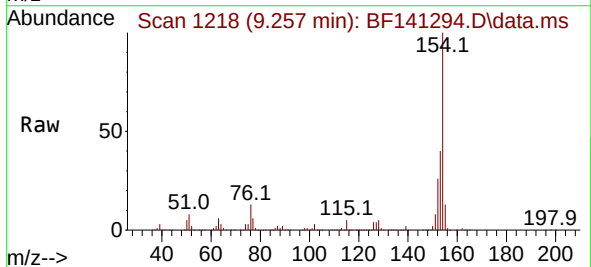
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

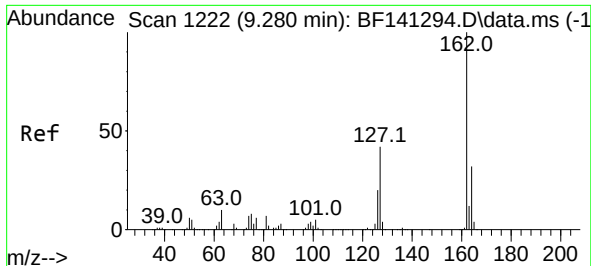
Tgt Ion:172 Resp: 1339709
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.8 19.0 28.6



#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

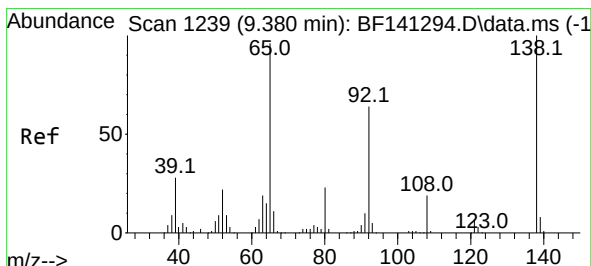
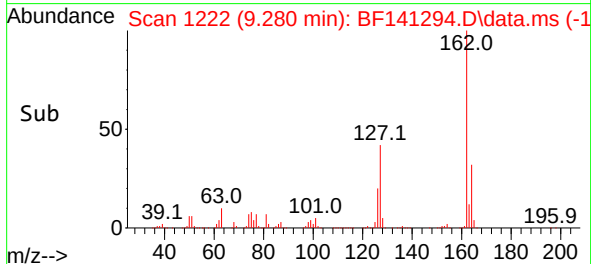
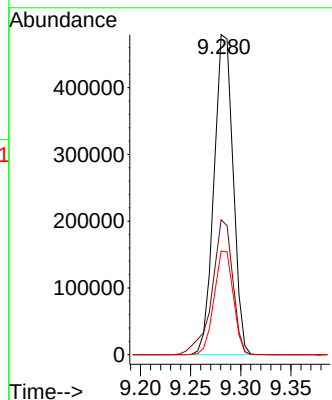
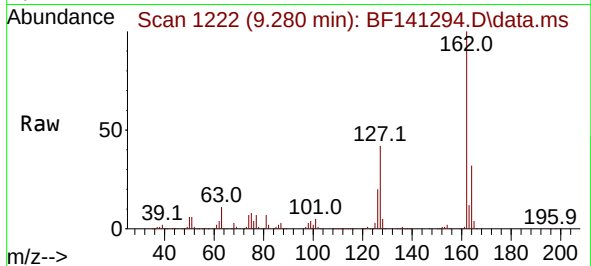




#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

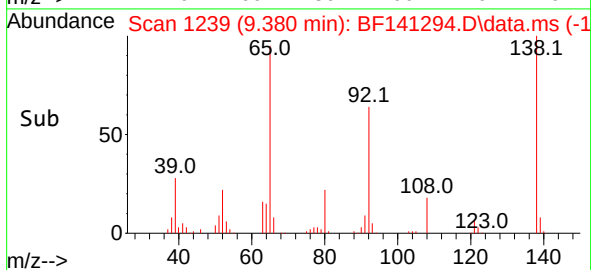
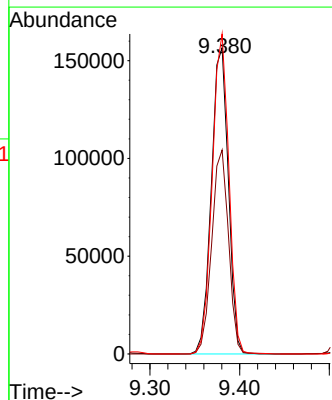
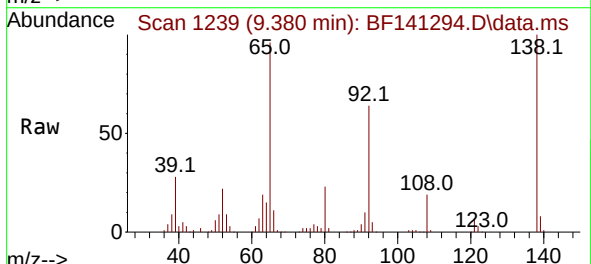
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

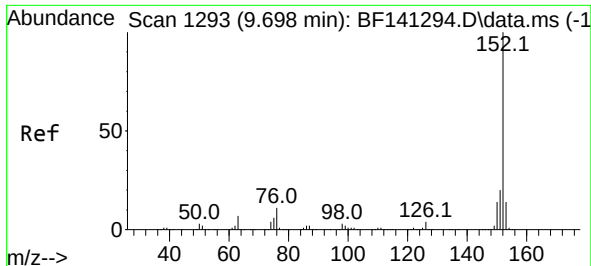
Tgt Ion:162 Resp: 634814
Ion Ratio Lower Upper
162 100
127 42.1 33.7 50.5
164 32.4 25.9 38.9



#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

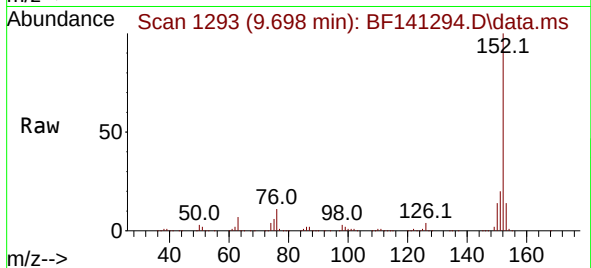
Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



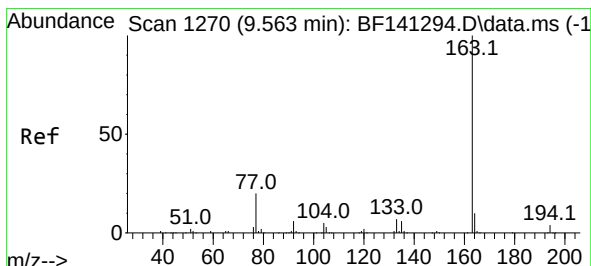
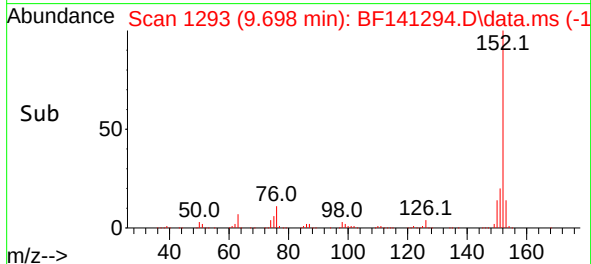
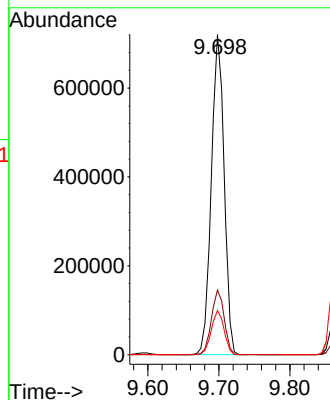
Tgt Ion:152 Resp: 902715

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

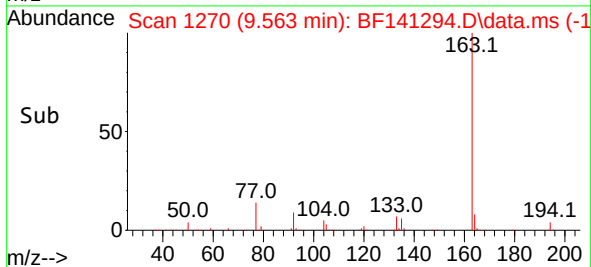
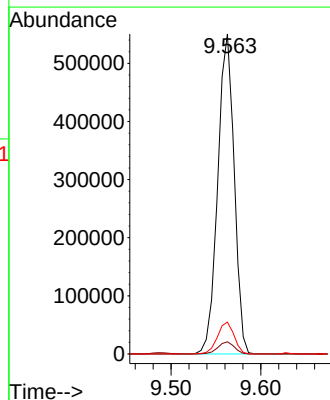
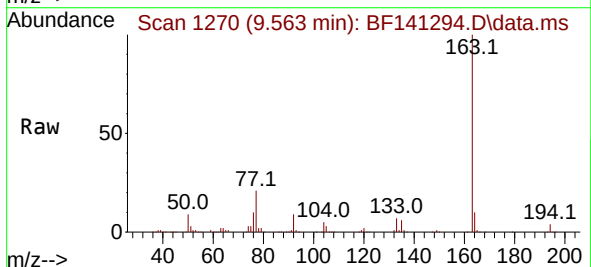
Tgt Ion:163 Resp: 701107

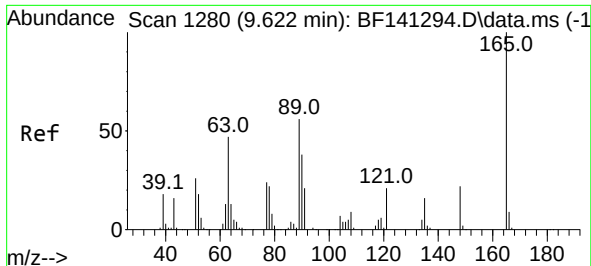
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0

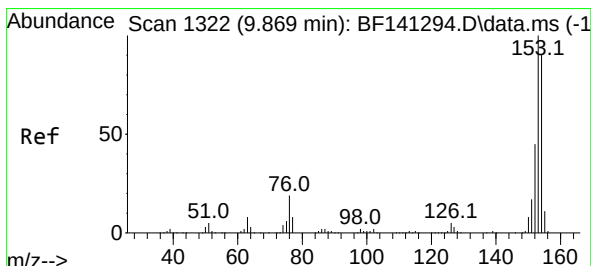
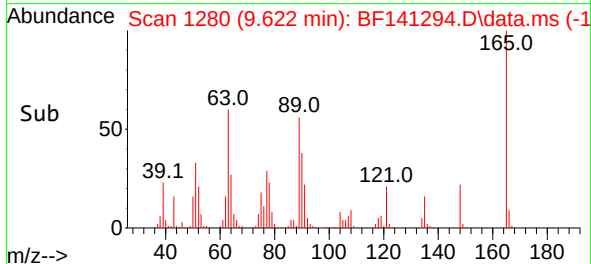
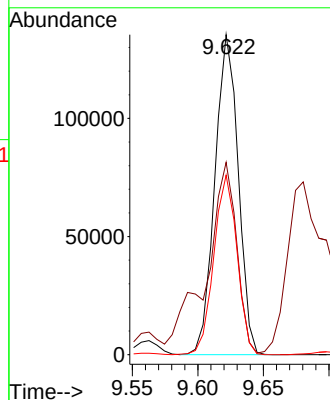
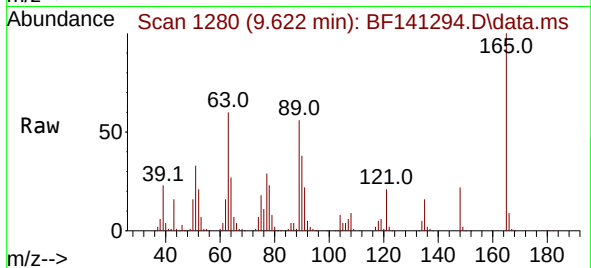




#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

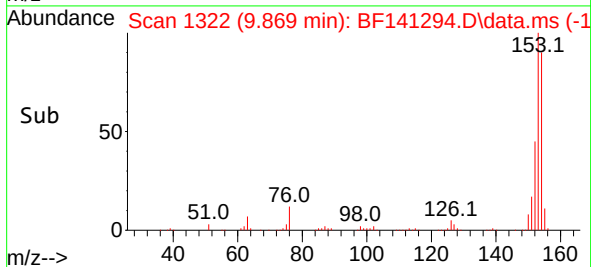
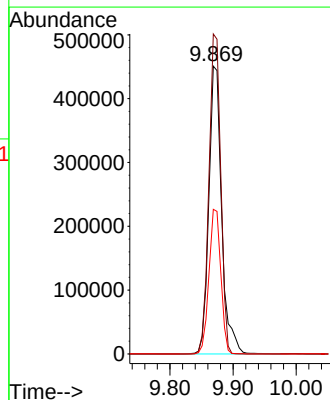
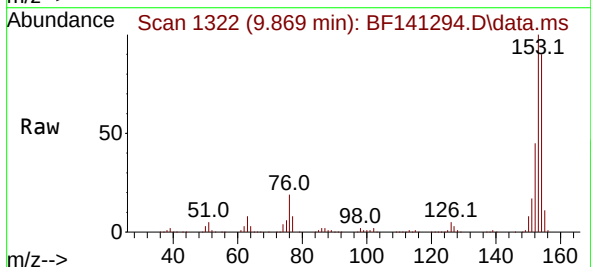
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

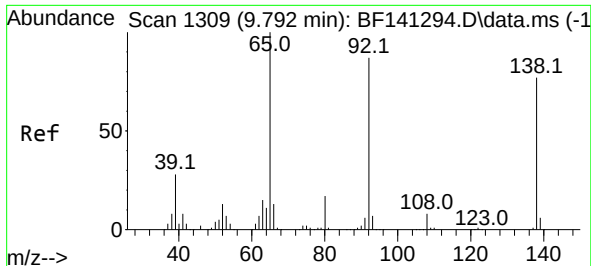
Tgt Ion:165 Resp: 167409
Ion Ratio Lower Upper
165 100
63 60.1 48.1 72.1
89 56.1 44.9 67.3



#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

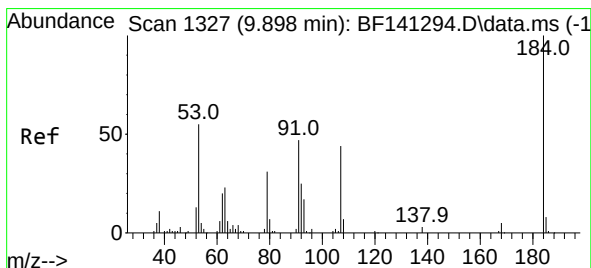
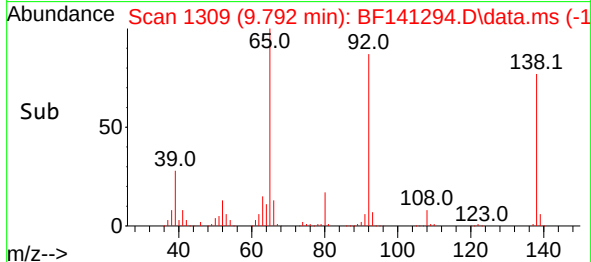
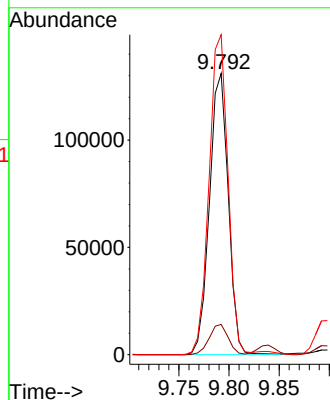
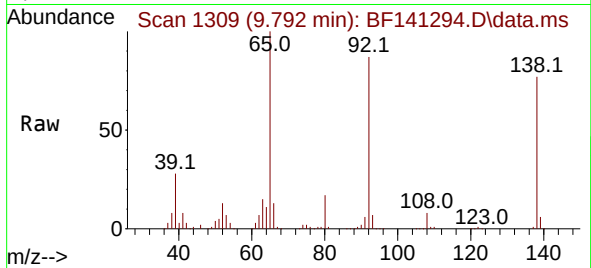




#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

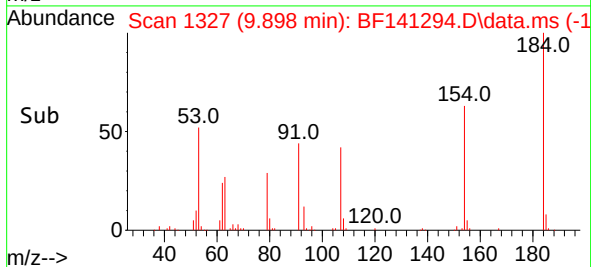
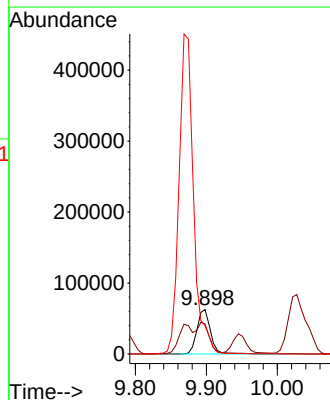
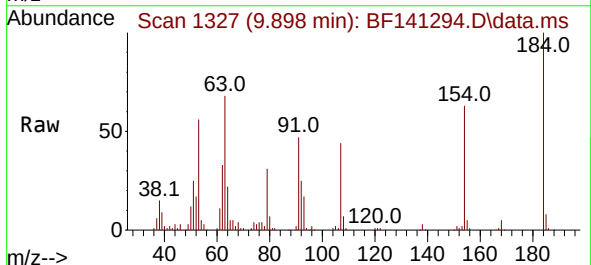
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

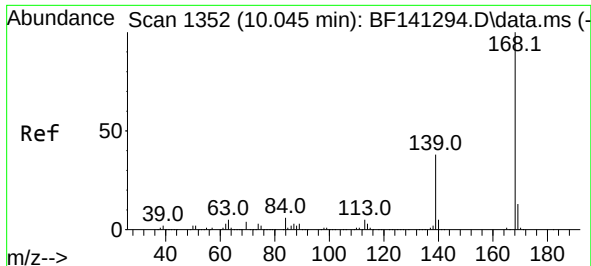
Tgt Ion:138 Resp: 171409
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 113.8 91.0 136.6



#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

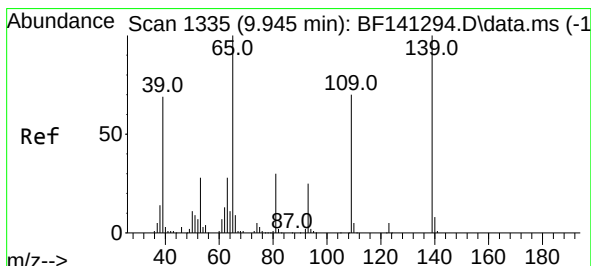
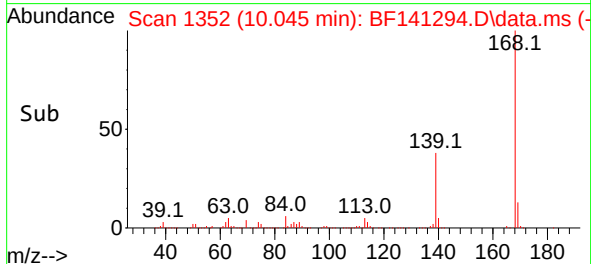
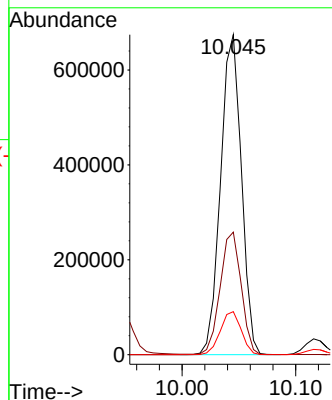
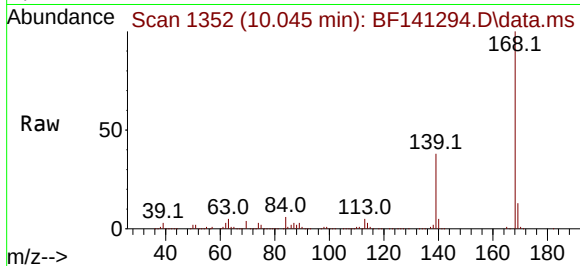




#55
Dibenzenofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

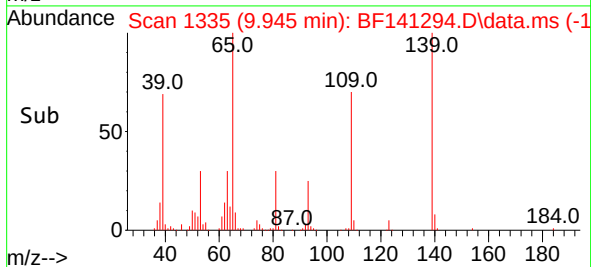
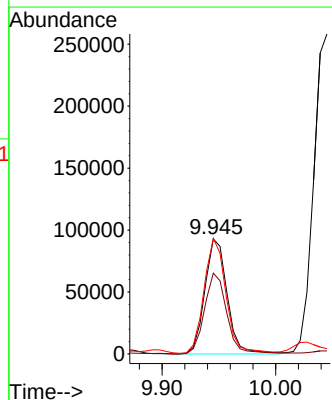
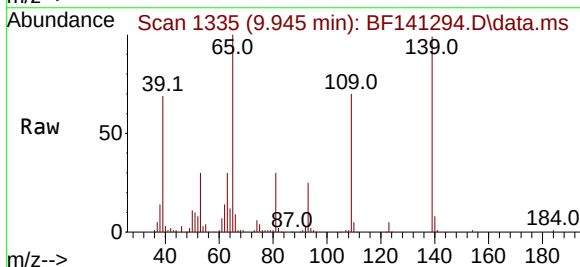
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

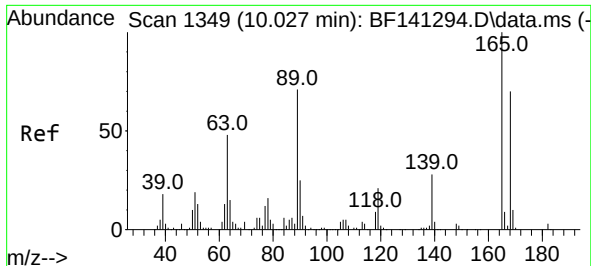
Tgt Ion:168 Resp: 859175
Ion Ratio Lower Upper
168 100
139 38.3 30.6 46.0
169 13.5 10.8 16.2



#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

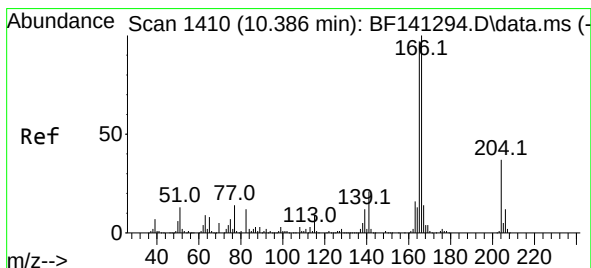
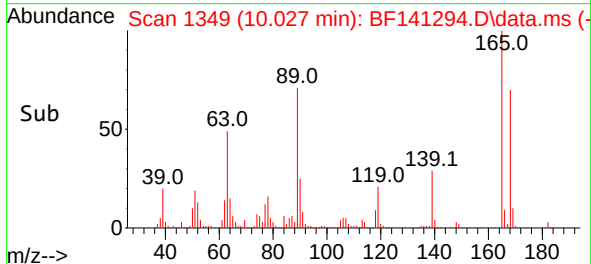
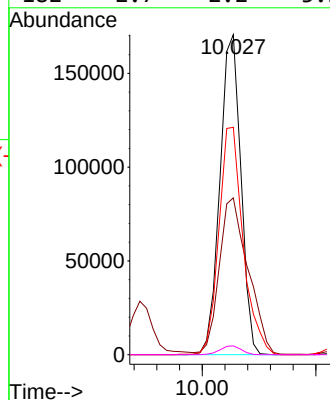
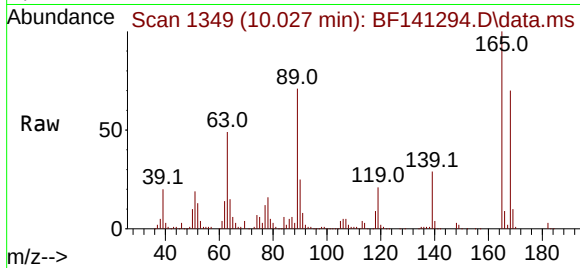




#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

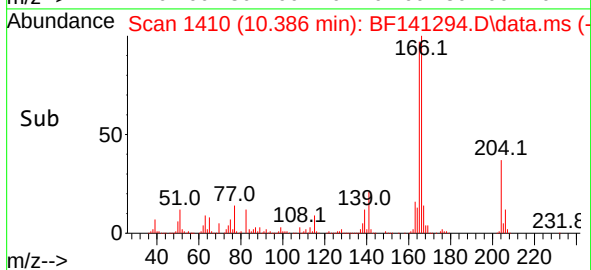
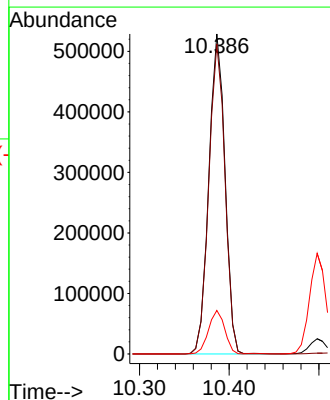
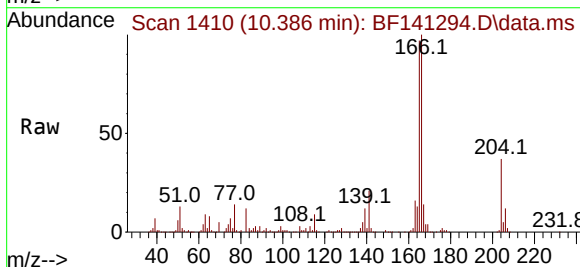
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

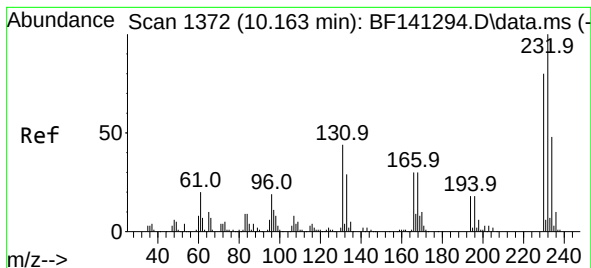
Tgt Ion:	165	Resp:	218627
Ion Ratio	Lower	Upper	
165	100		
63	49.0	39.2	58.8
89	71.1	56.9	85.3
182	2.7	2.2	3.2



#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



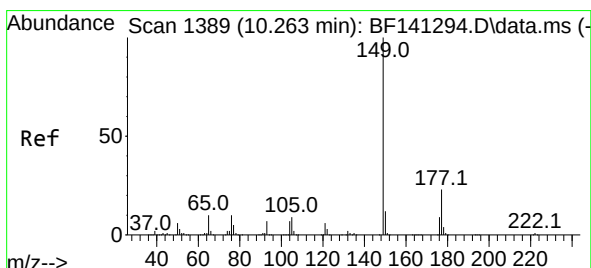
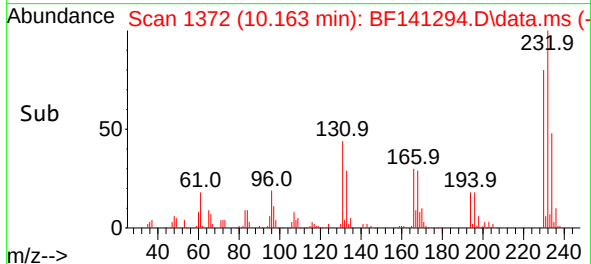
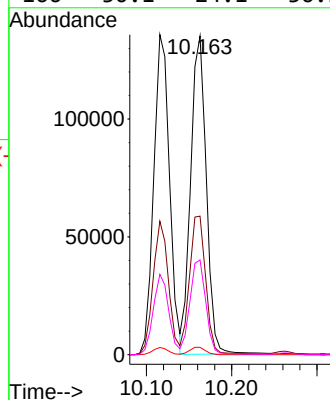
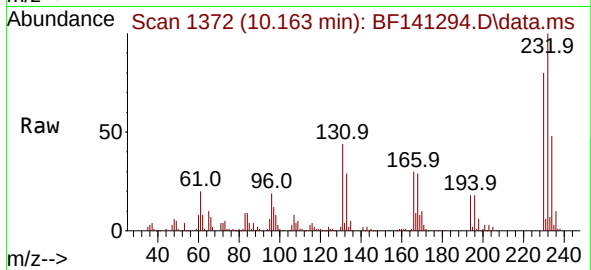


#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 172174

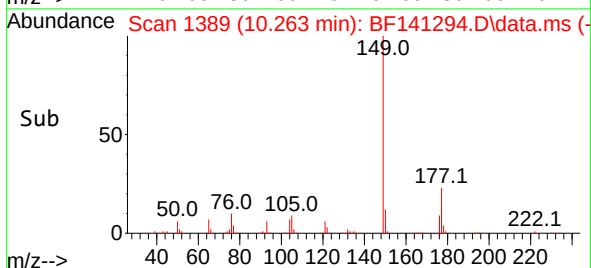
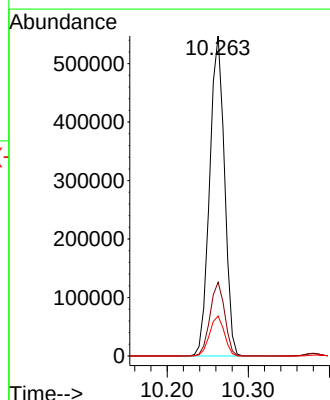
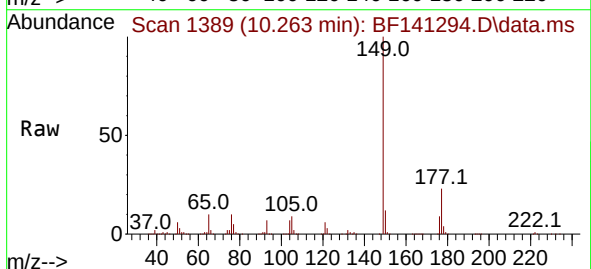
Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.4	1.9	2.9
166	30.1	24.1	36.1

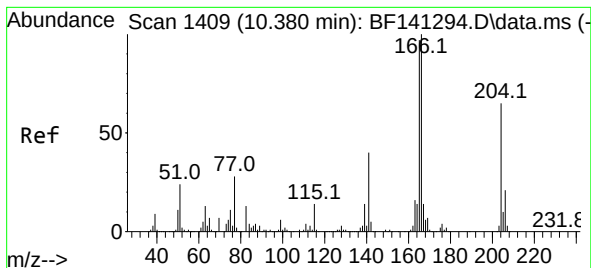


#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

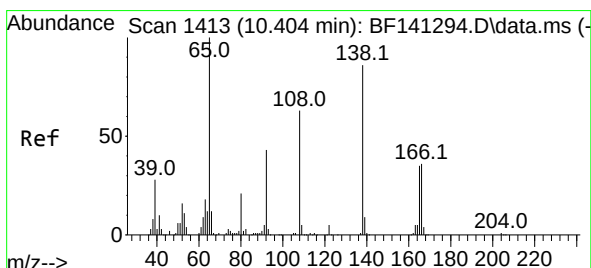
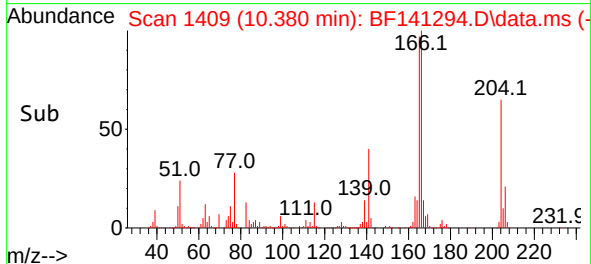
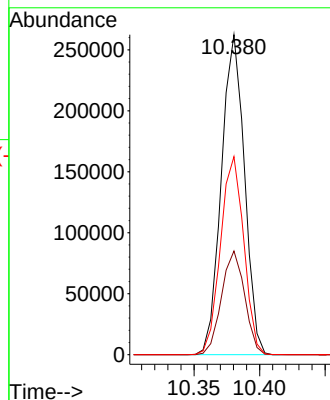
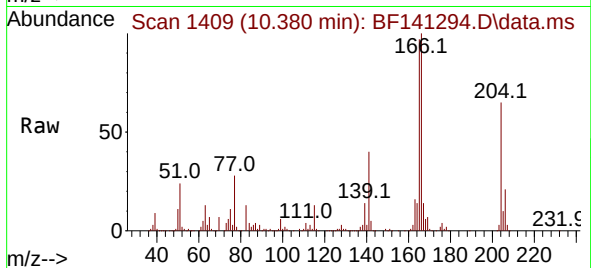




#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

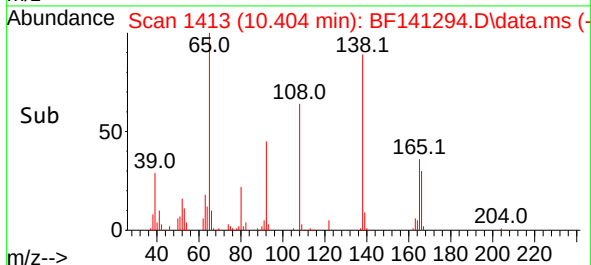
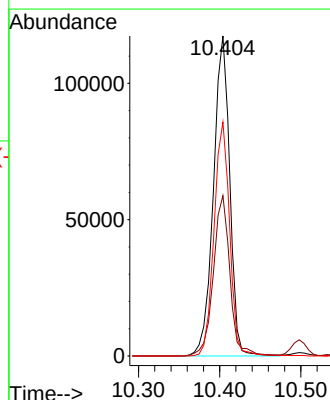
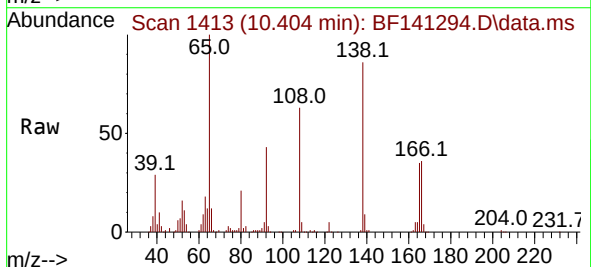
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

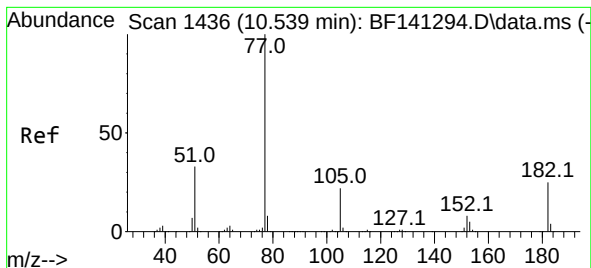
Tgt Ion:204 Resp: 321112
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 61.9 49.5 74.3



#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

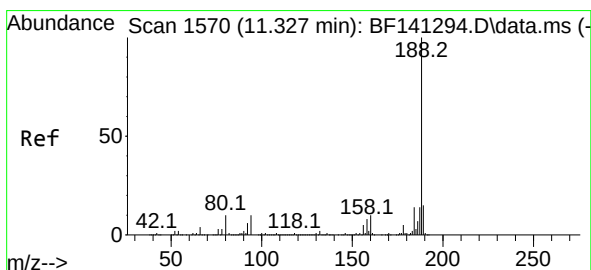
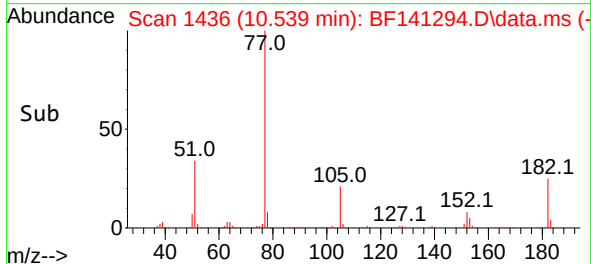
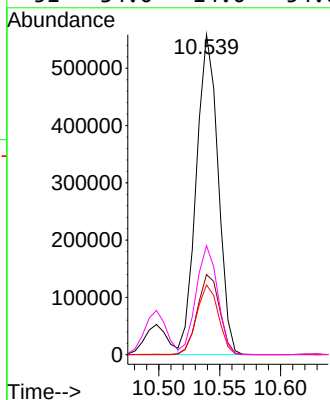
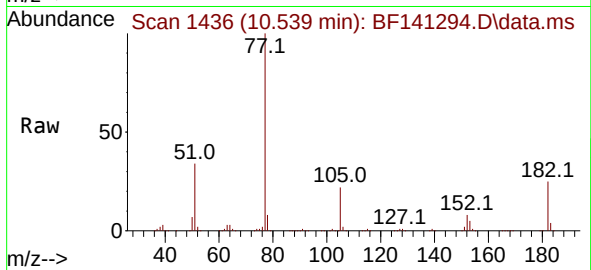




#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

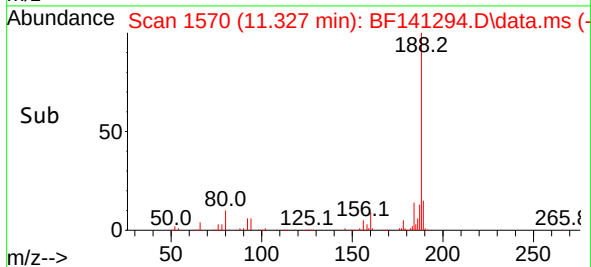
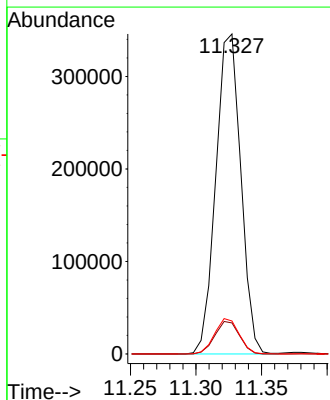
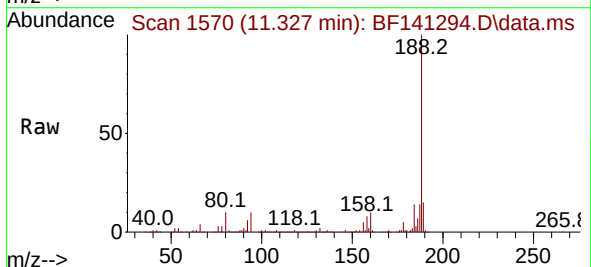
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

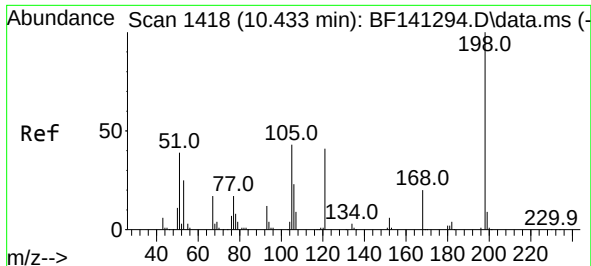
Tgt Ion:	77	Resp:	693050
Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0



#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

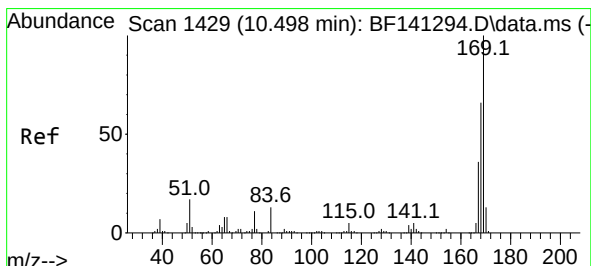
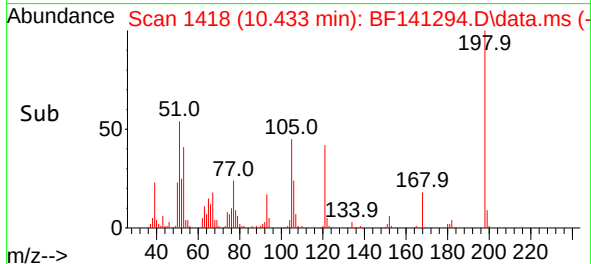
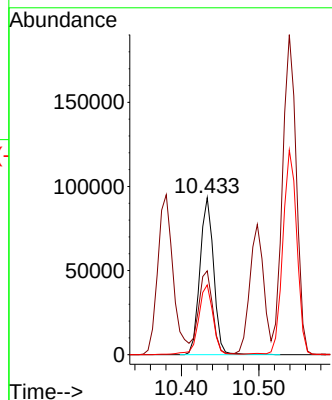
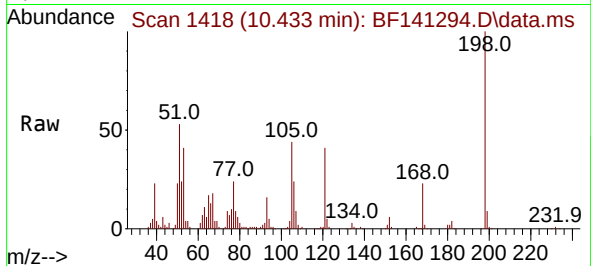




#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

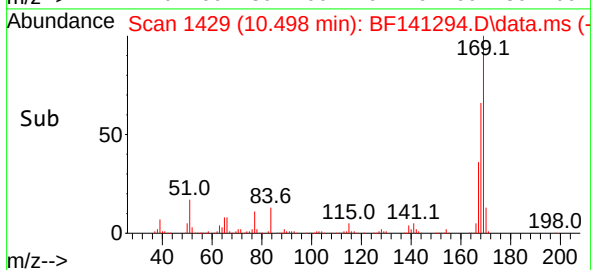
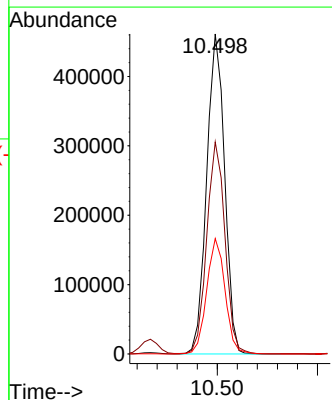
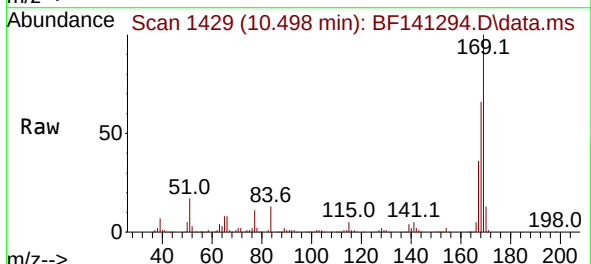
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

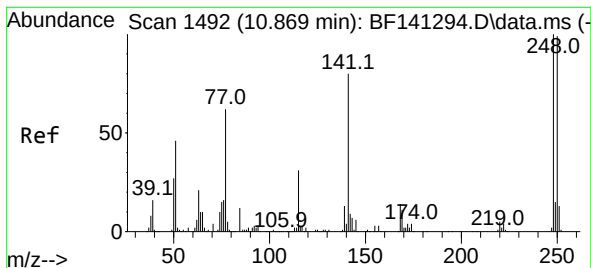
Tgt Ion:198 Resp: 114735
Ion Ratio Lower Upper
198 100
51 53.4 33.4 73.4
105 44.4 24.4 64.4



#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

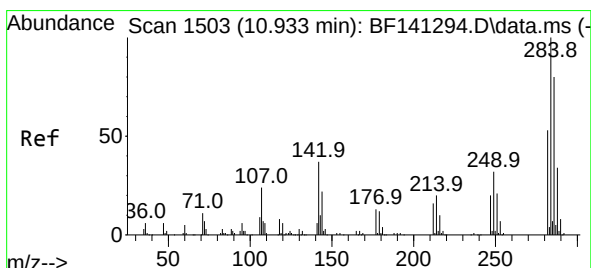
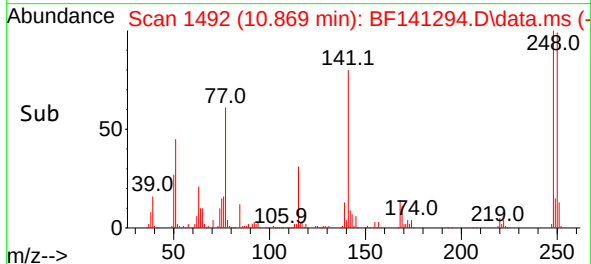
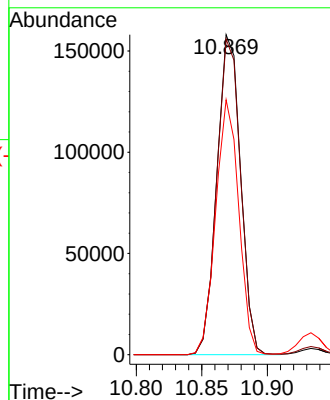
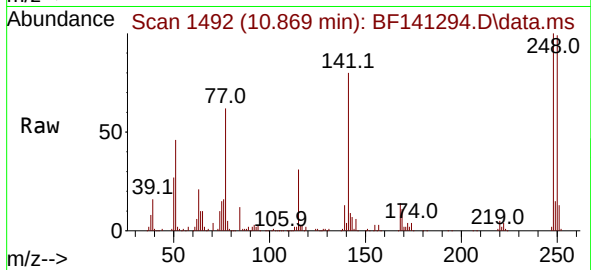




#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

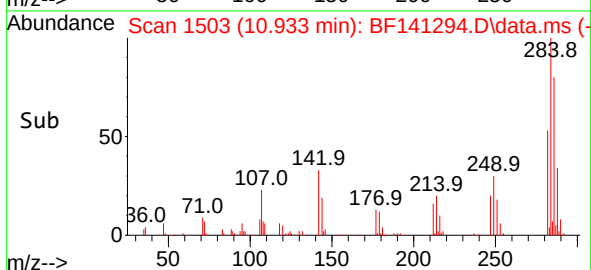
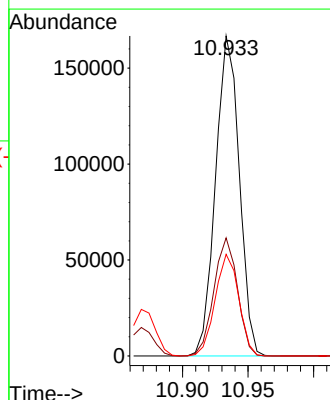
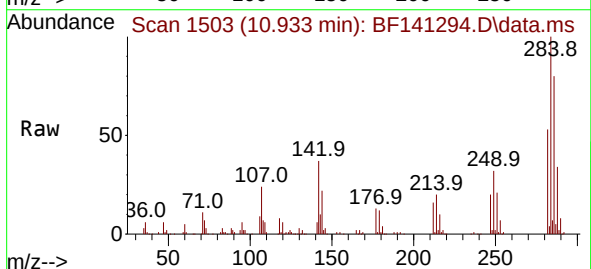
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

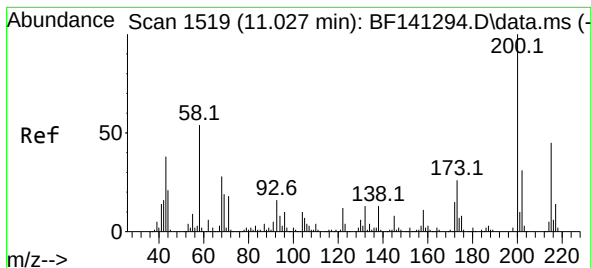
Tgt Ion:248 Resp: 198895
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.4
141 79.6 63.7 95.5



#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

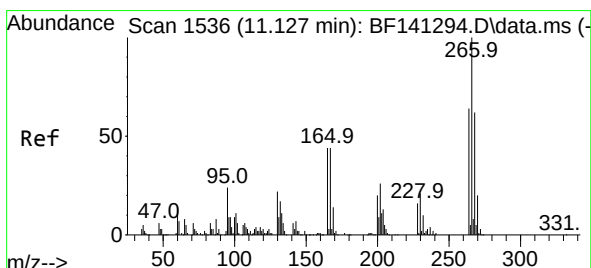
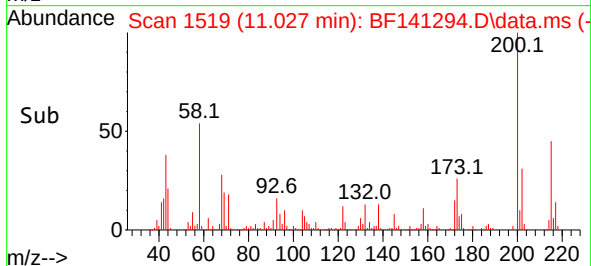
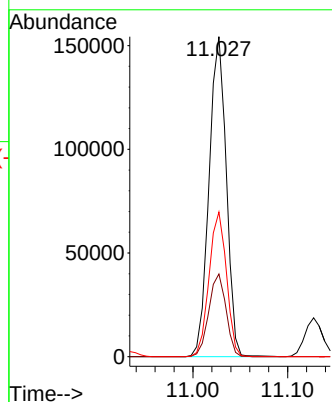
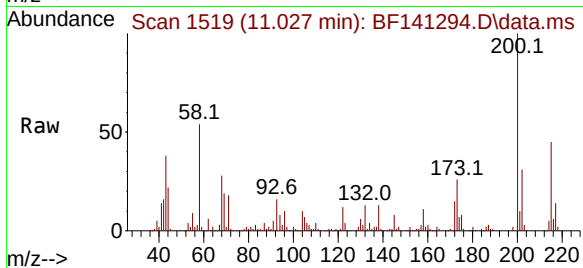
Tgt Ion:200 Resp: 195062

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

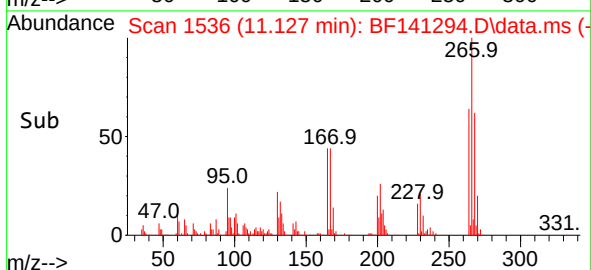
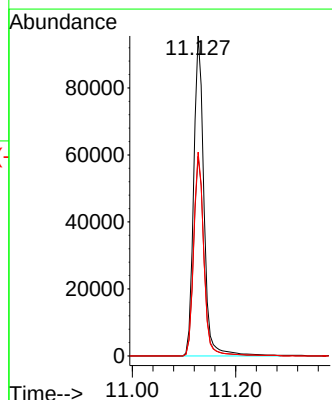
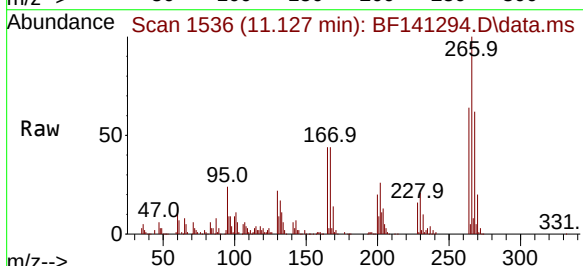
Tgt Ion:266 Resp: 131295

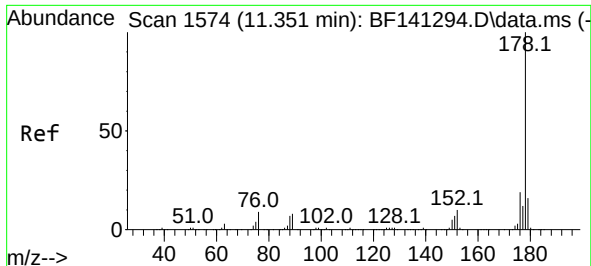
Ion Ratio Lower Upper

266 100

268 62.4 49.9 74.9

264 63.7 51.0 76.4

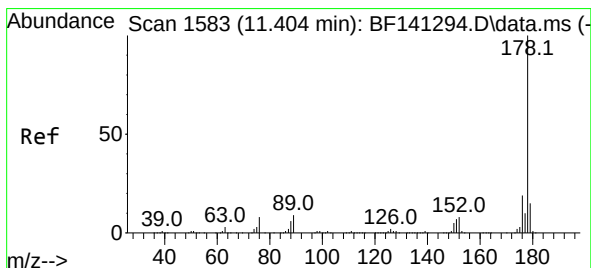
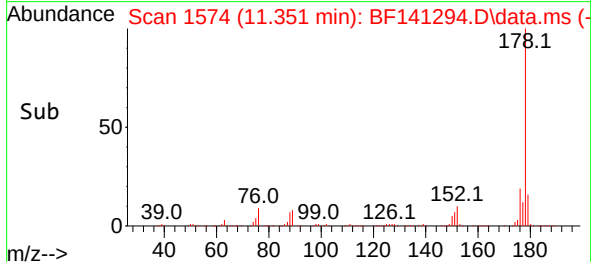
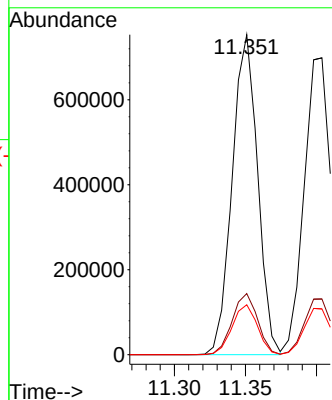
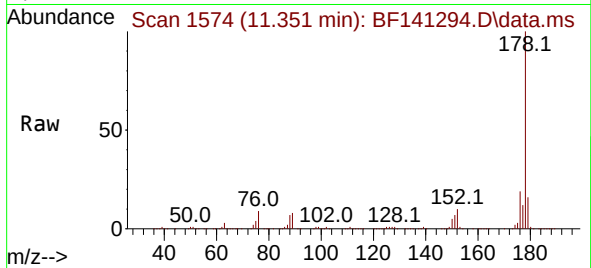




#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

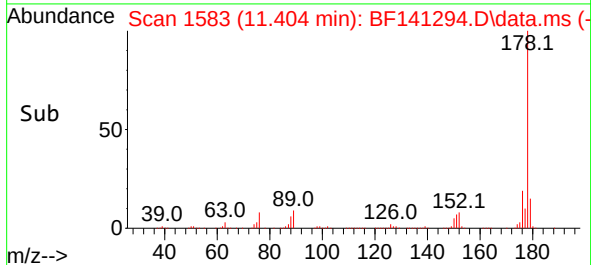
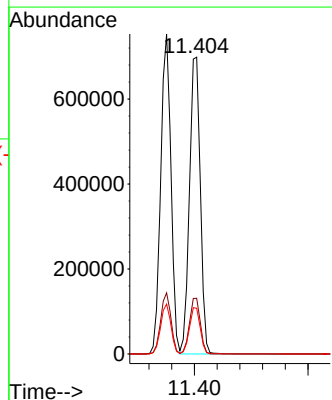
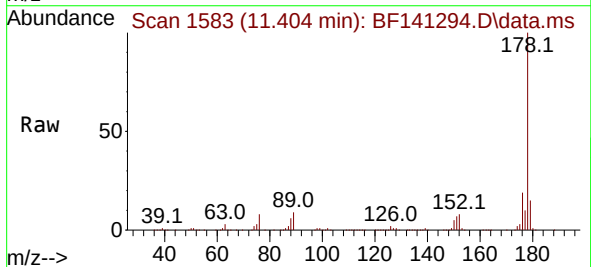
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

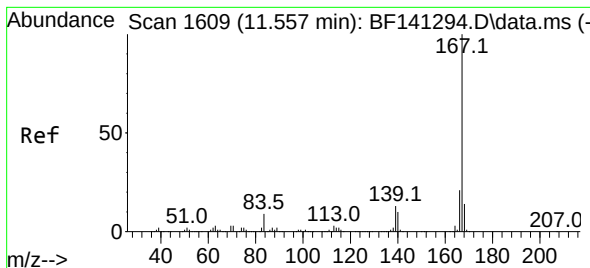
Tgt Ion:178 Resp: 940021
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#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

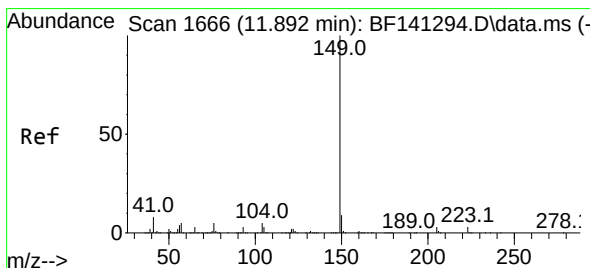
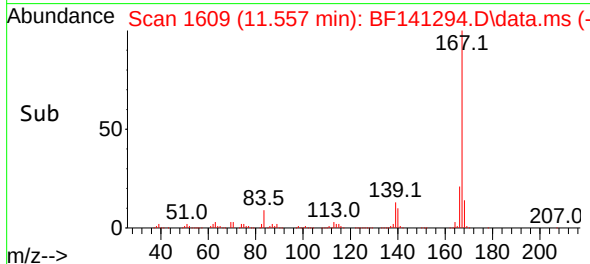
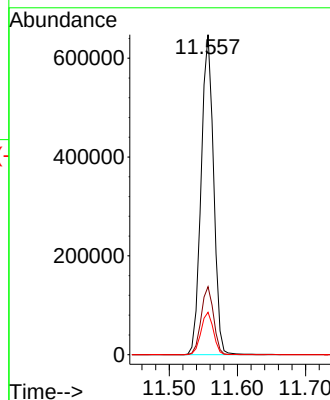
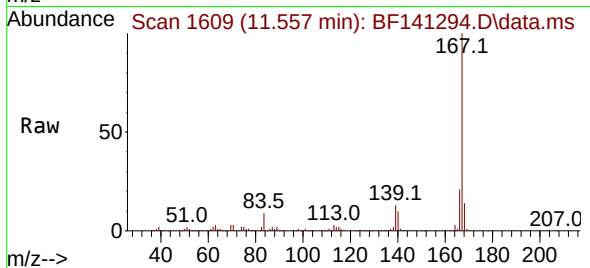
Tgt Ion:167 Resp: 824095

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

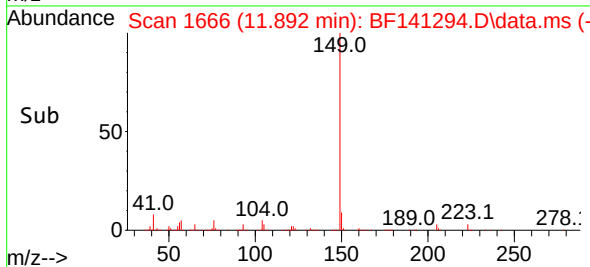
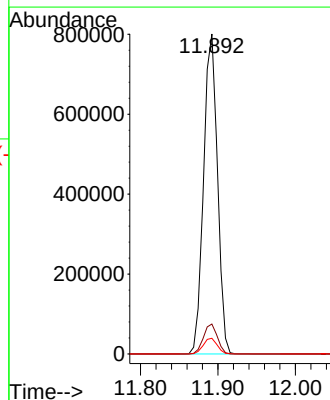
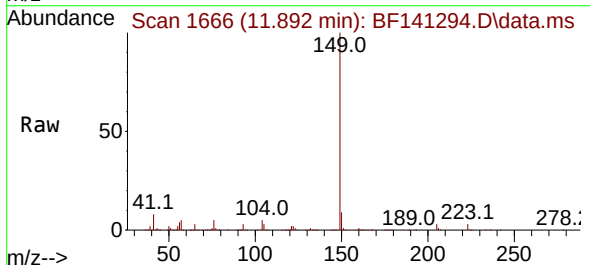
Tgt Ion:149 Resp: 995172

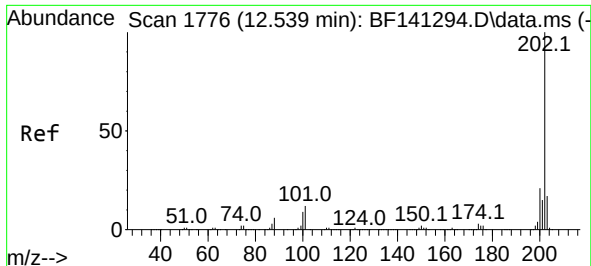
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 4.9 3.9 5.9

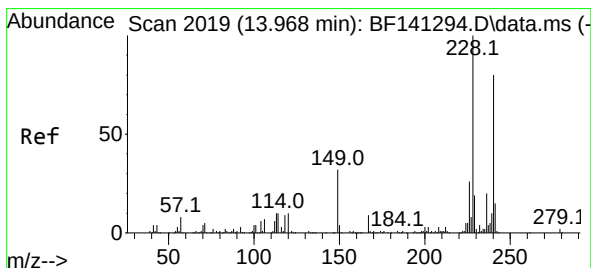
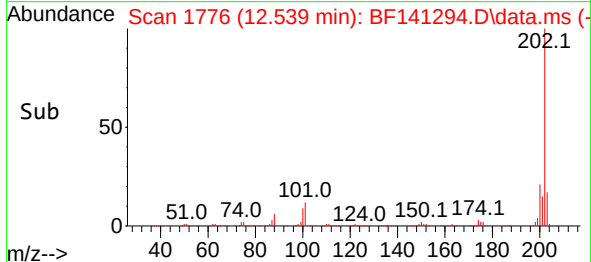
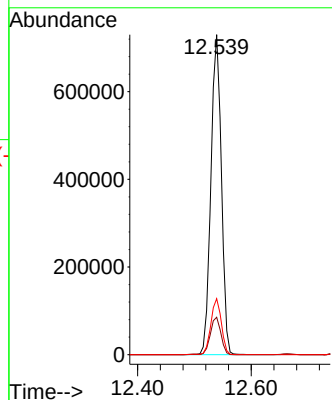
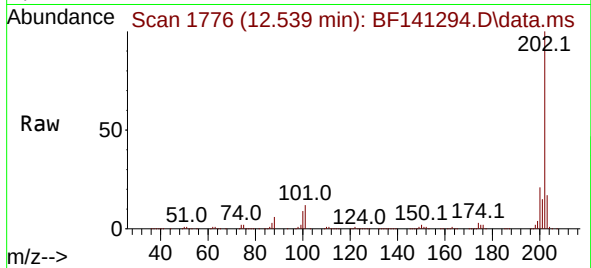




#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

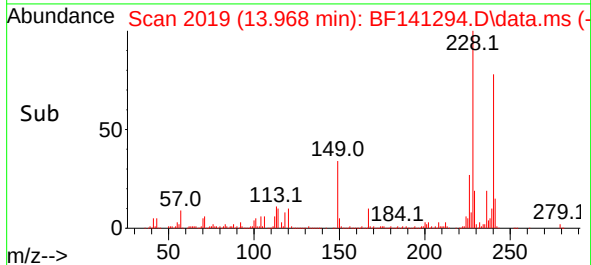
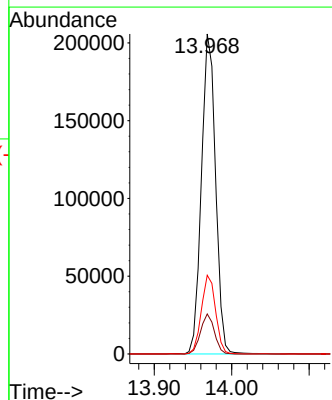
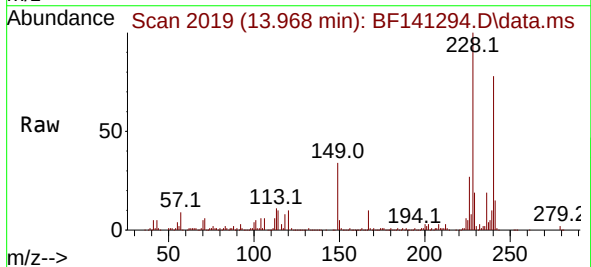
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

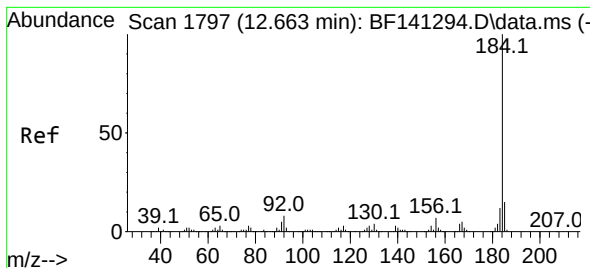
Tgt Ion:202 Resp: 928946
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5



#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:240 Resp: 260600
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# 11

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

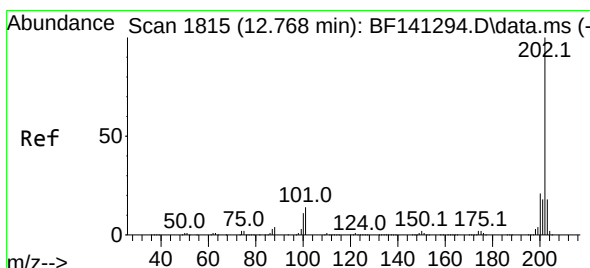
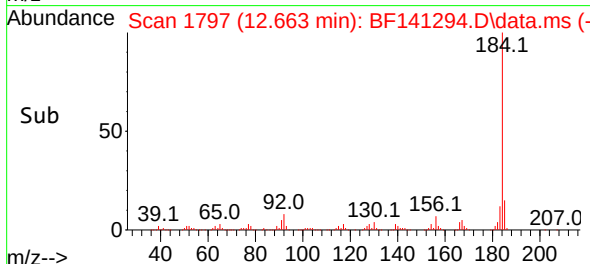
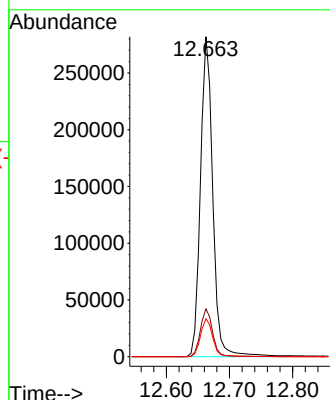
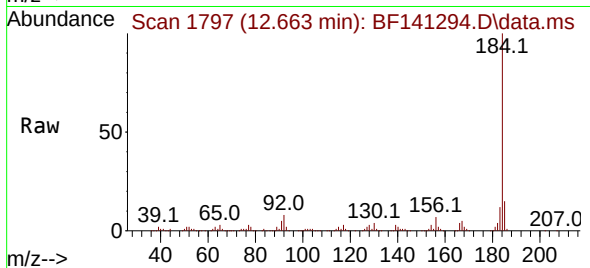
Tgt Ion:184 Resp: 380623

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

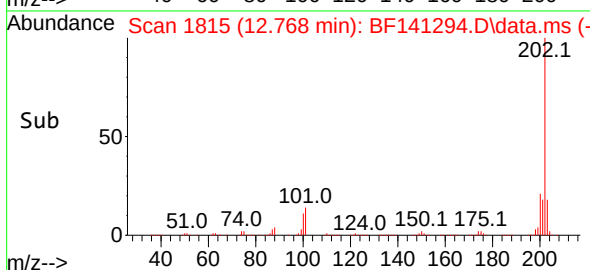
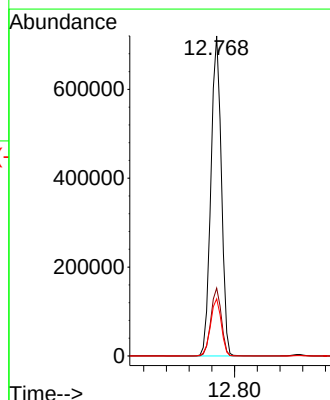
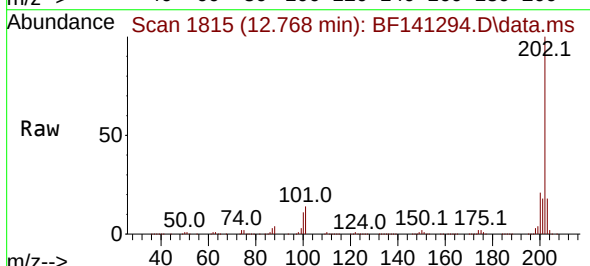
Tgt Ion:202 Resp: 914205

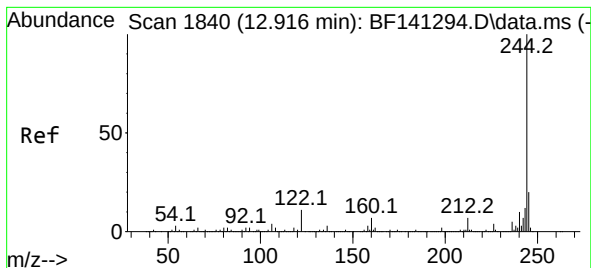
Ion Ratio Lower Upper

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

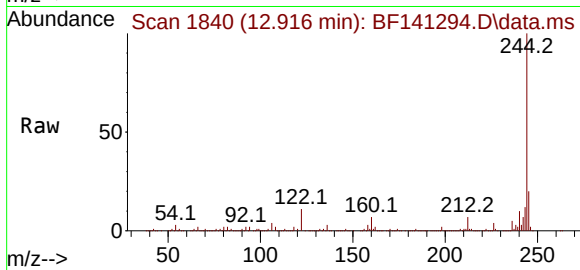
Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



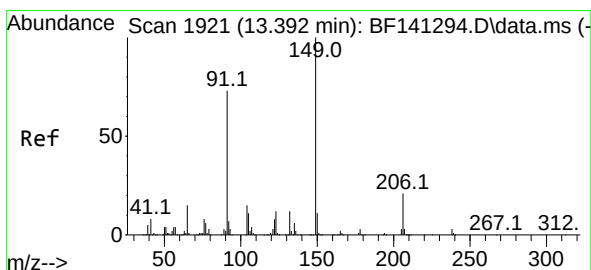
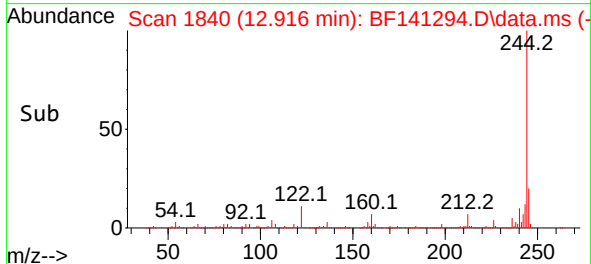
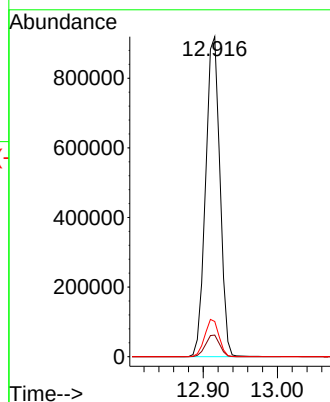
Tgt Ion:244 Resp: 1232977

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

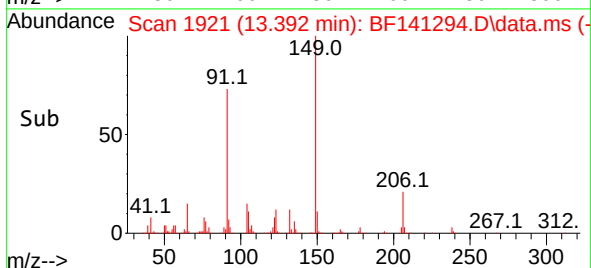
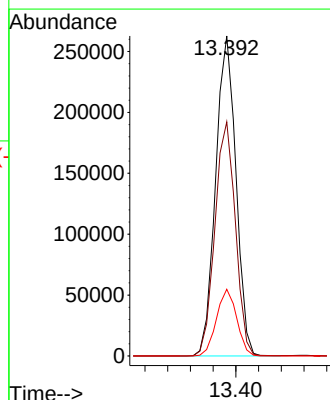
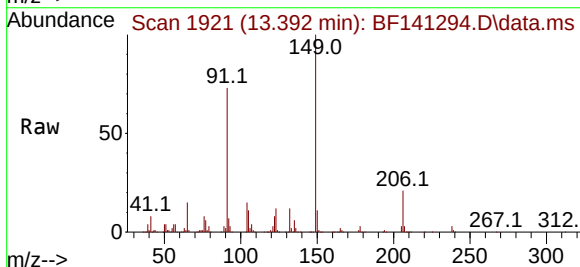
Tgt Ion:149 Resp: 326158

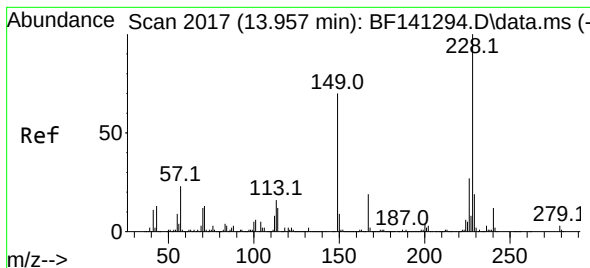
Ion Ratio Lower Upper

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

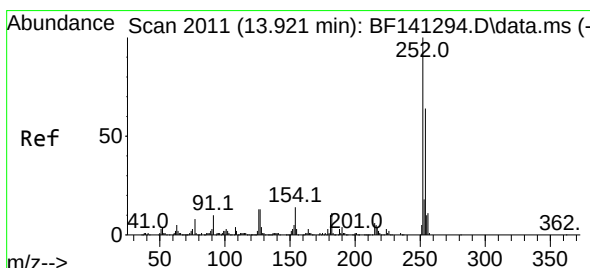
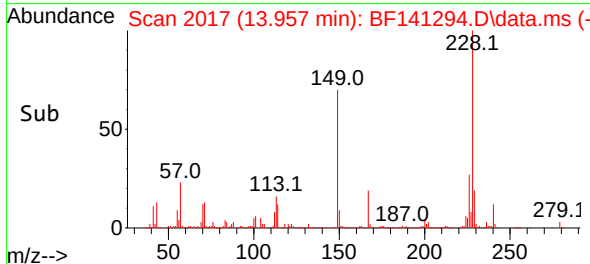
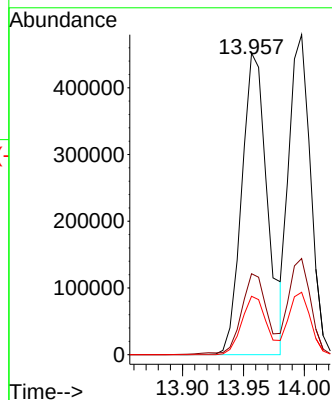
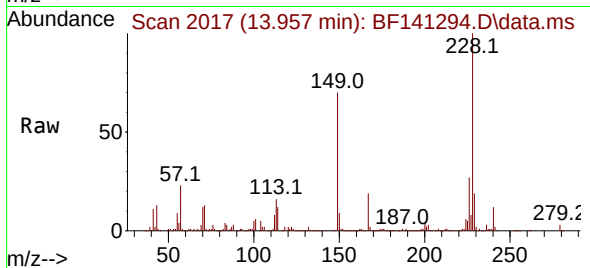
Tgt Ion:228 Resp: 661997

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

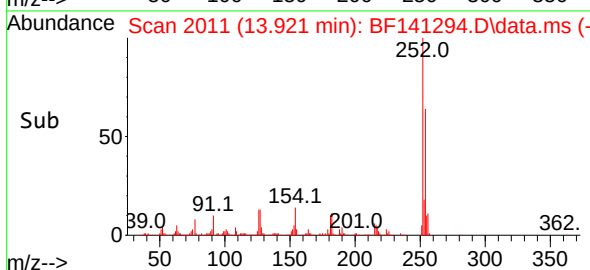
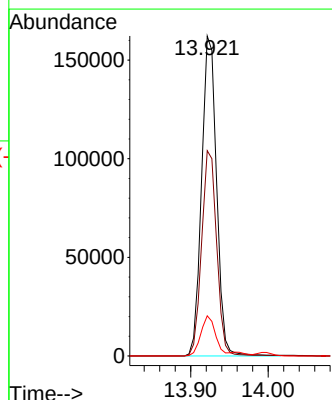
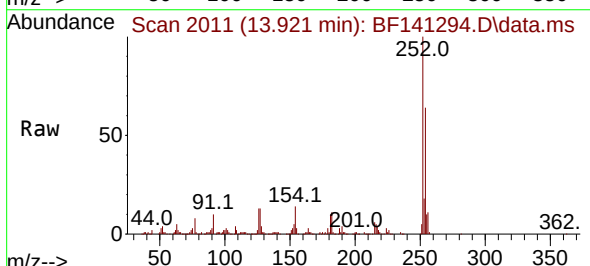
Tgt Ion:252 Resp: 217856

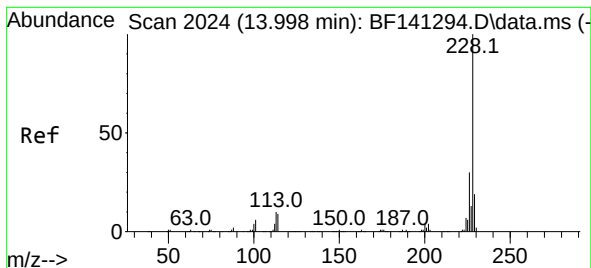
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

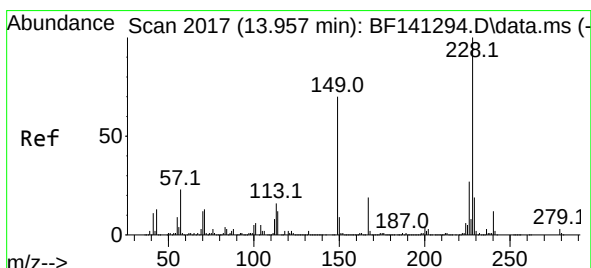
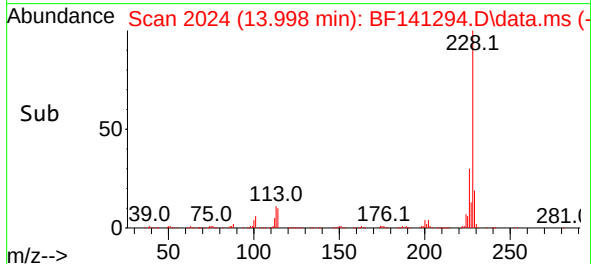
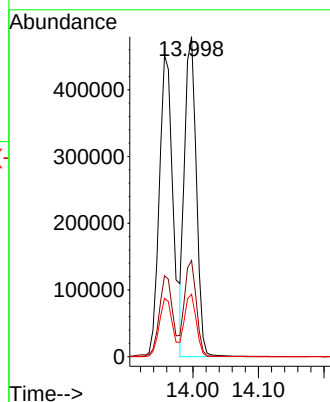
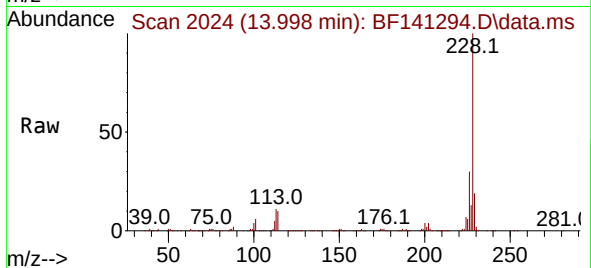
Tgt Ion:228 Resp: 591939

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

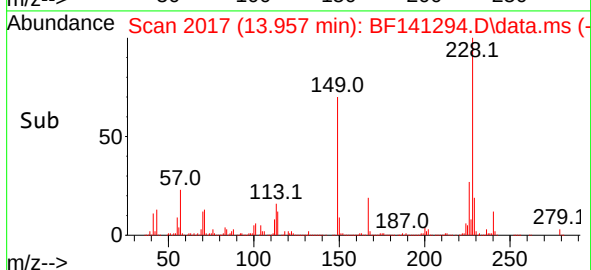
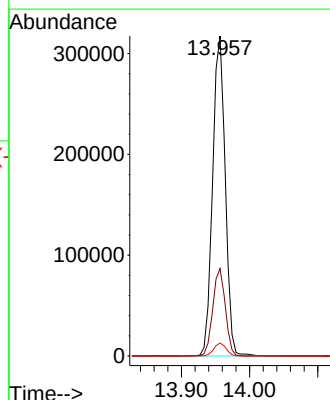
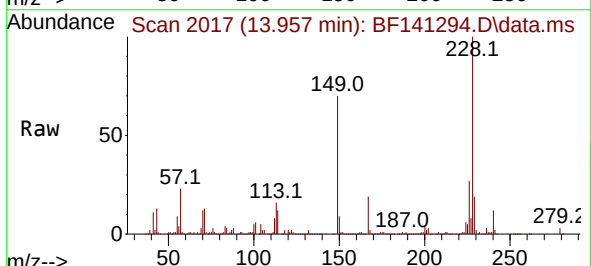
Tgt Ion:149 Resp: 409365

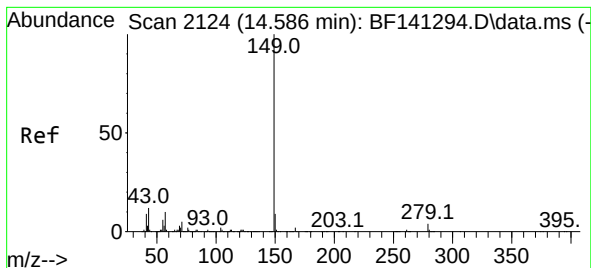
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

279 4.1 3.3 4.9

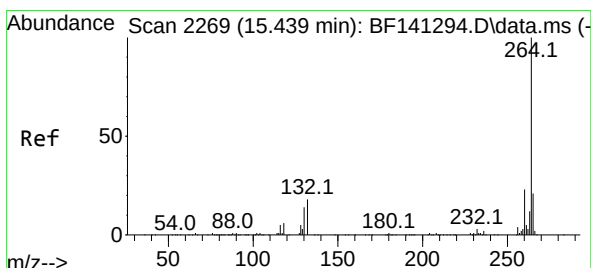
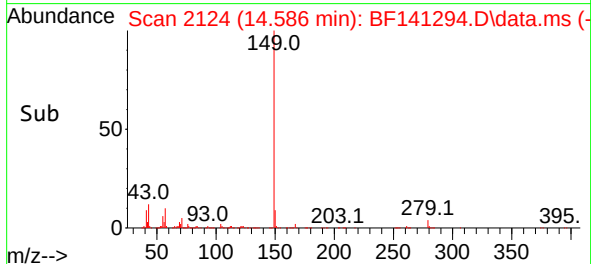
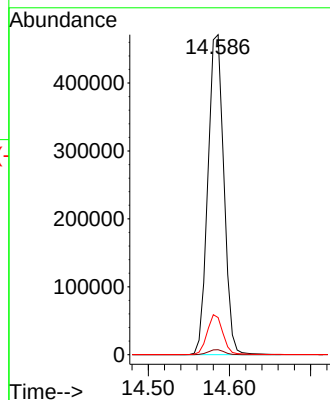
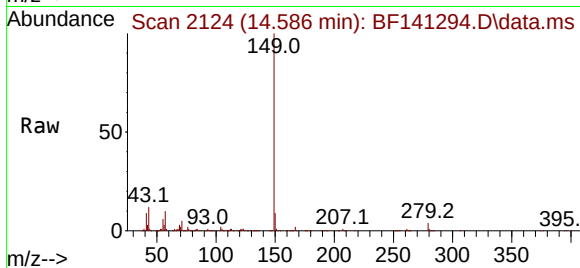




#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

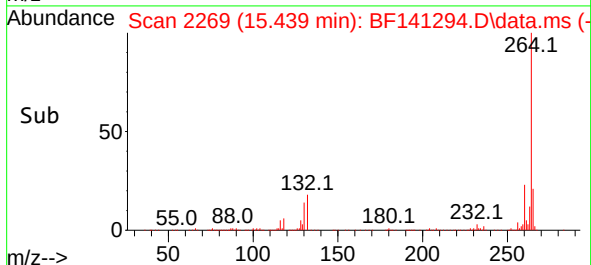
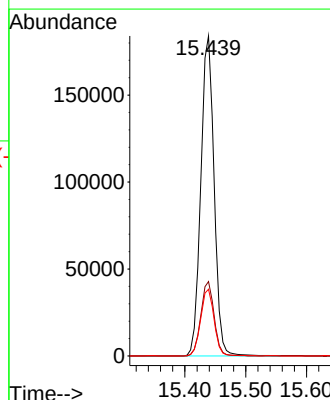
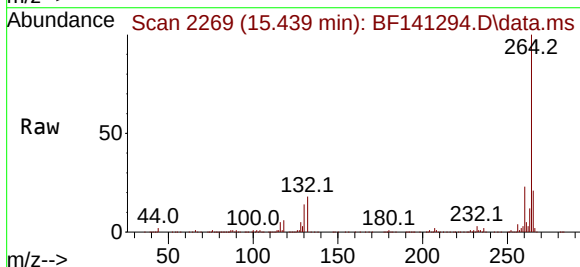
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

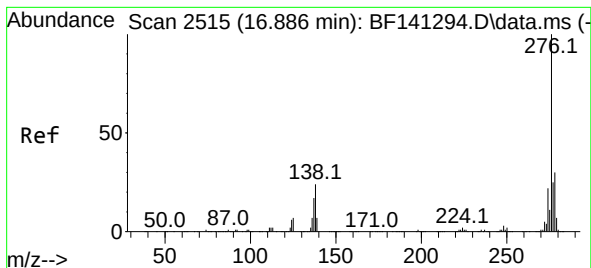
Tgt Ion:149 Resp: 640977
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.8 14.8



#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

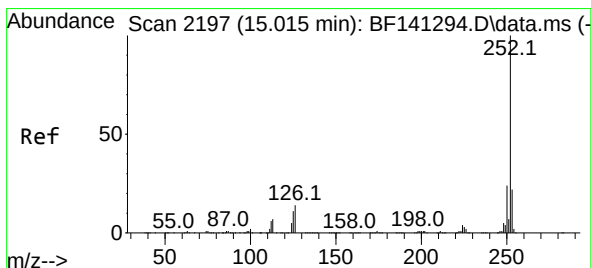
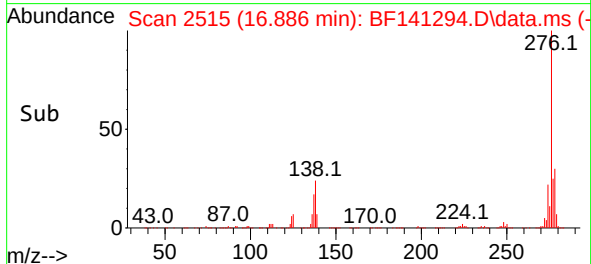
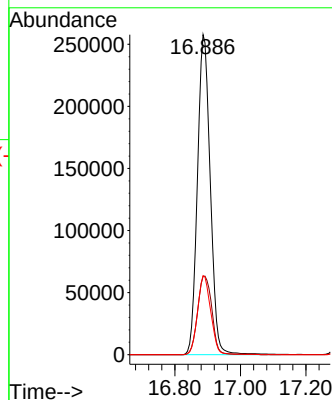
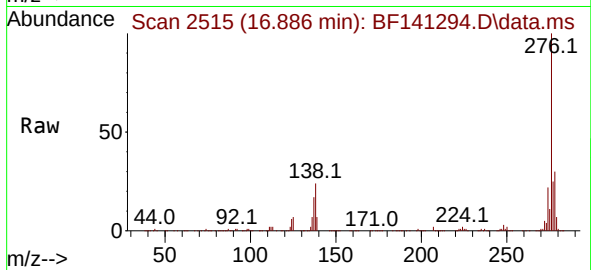




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 38.503 ng
 RT: 16.886 min Scan# 2115
 Delta R.T. 0.000 min
 Lab File: BF141294.D
 Acq: 29 Jan 2025 15:45

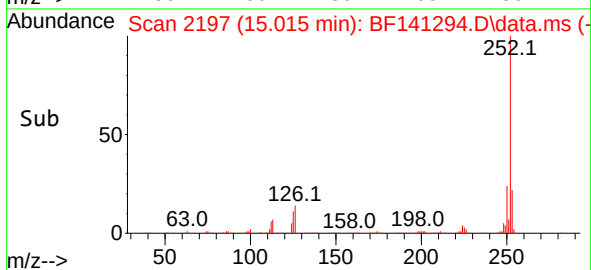
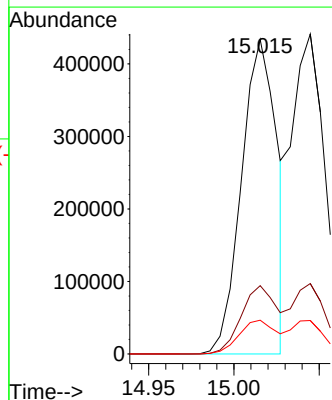
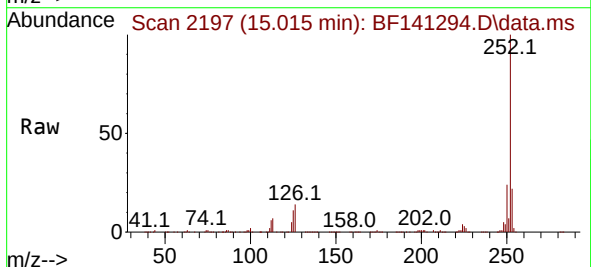
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 ClientSampleId :
 SSTDICCC040

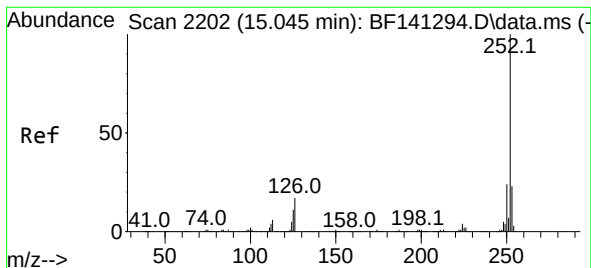
Tgt Ion:276 Resp: 702692
 Ion Ratio Lower Upper
 276 100
 138 27.1 21.7 32.5
 277 25.4 20.3 30.5



#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# 21

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

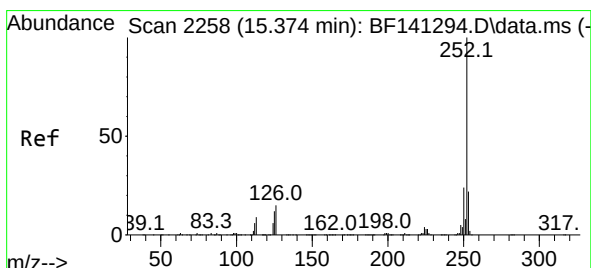
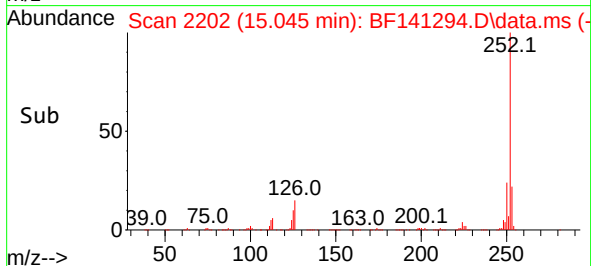
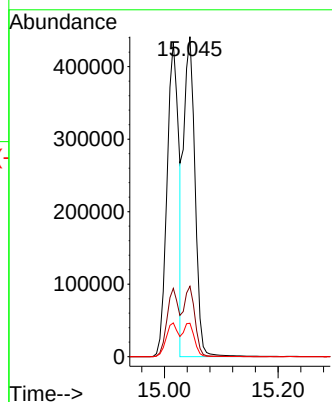
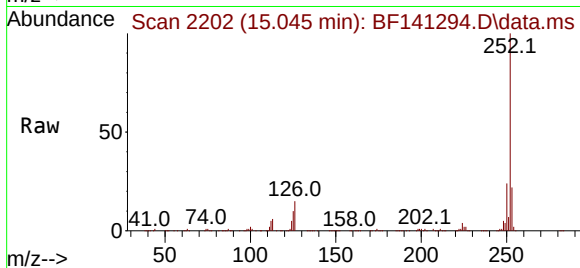
Tgt Ion:252 Resp: 605401

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

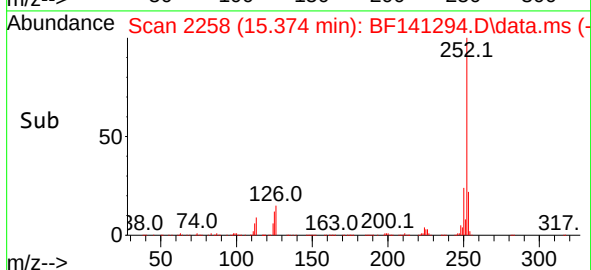
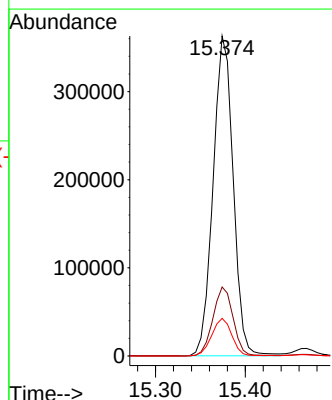
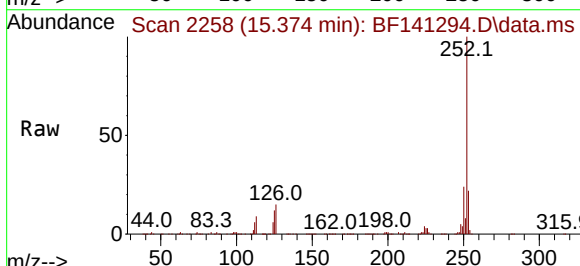
Tgt Ion:252 Resp: 564975

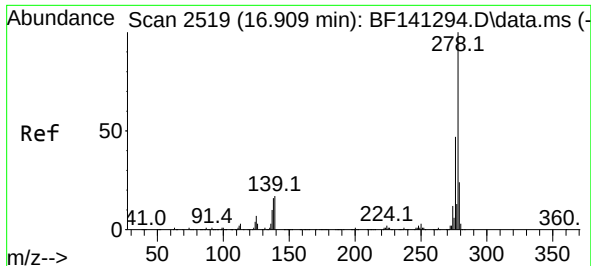
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.8 9.4 14.2

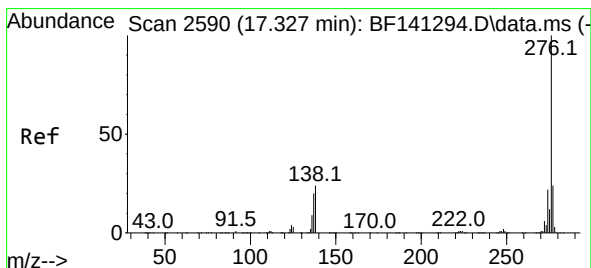
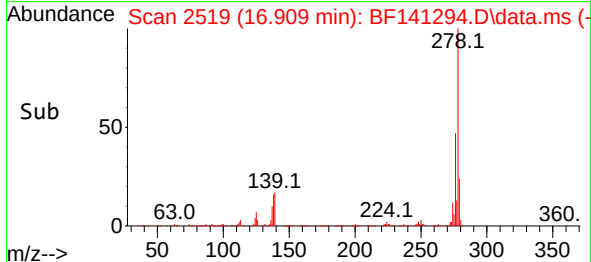
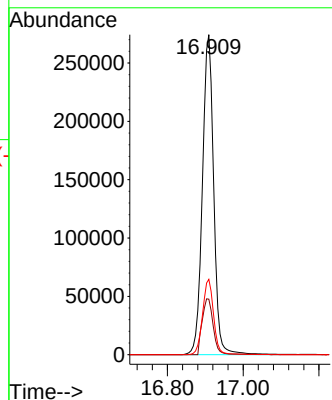
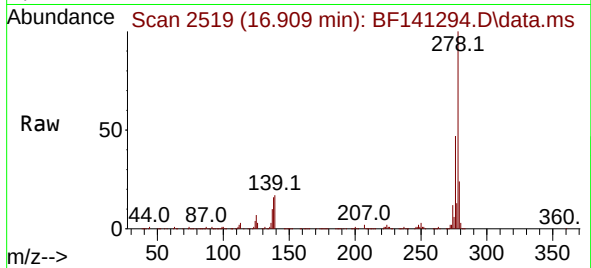




#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

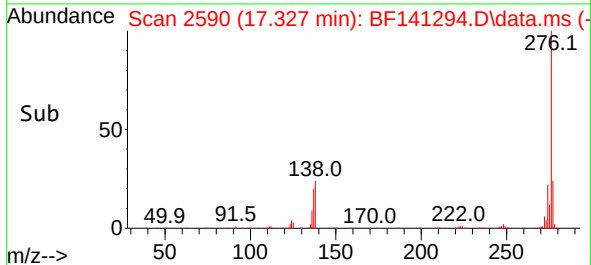
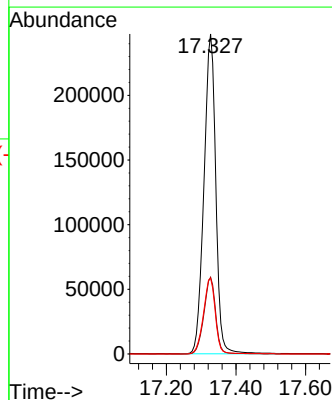
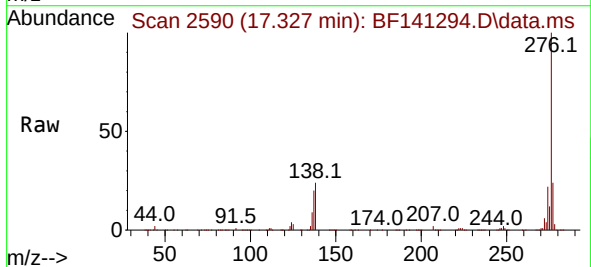
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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

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	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

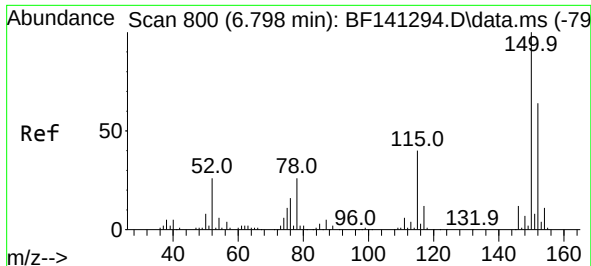
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



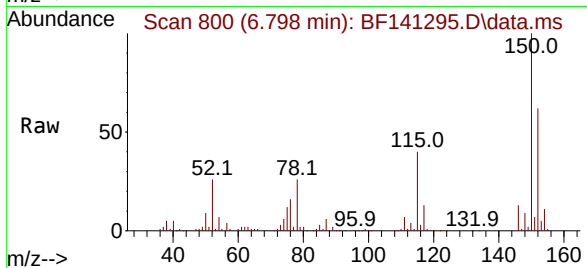
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

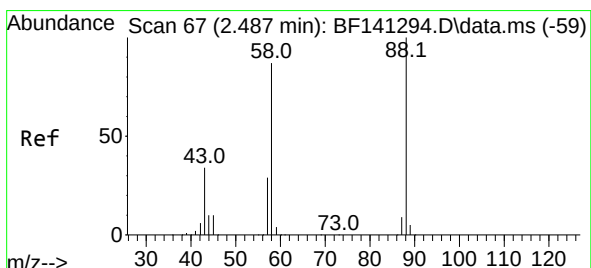
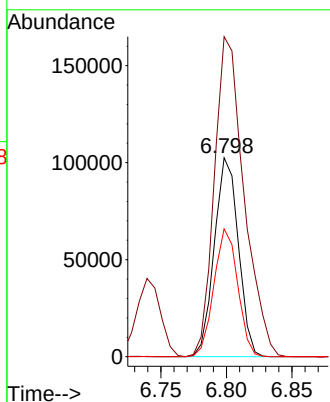
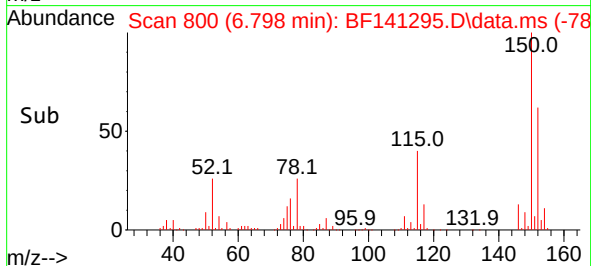
SSTDICC050



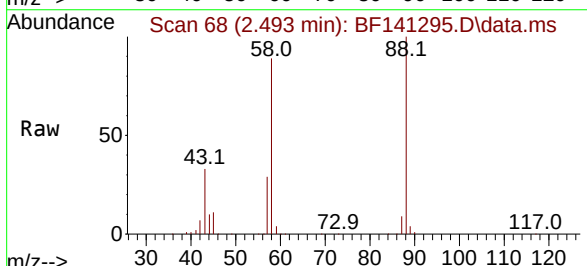
Tgt Ion:152 Resp: 13063
Ion Ratio Lower Upper
152 100
150 160.9 125.9 188.9
115 64.3 49.7 74.5

Manual Integrations
APPROVED

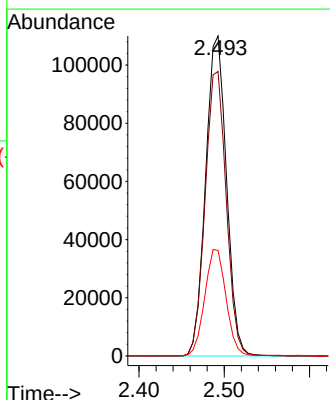
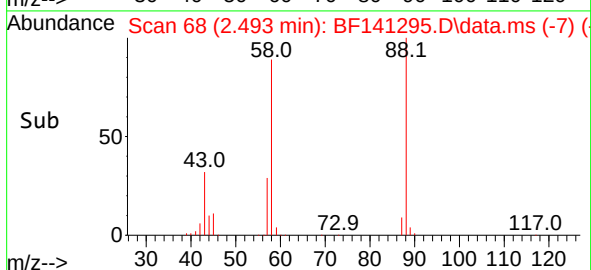
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

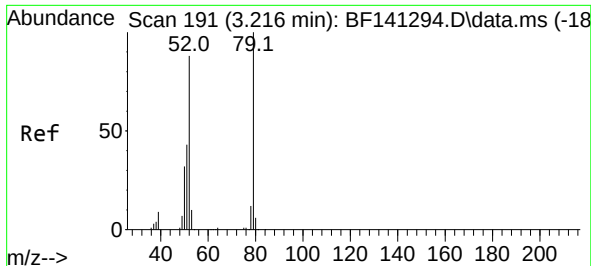


#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



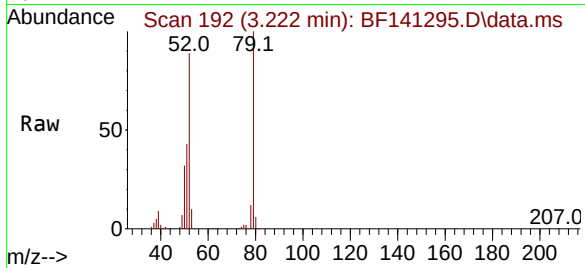
Tgt Ion: 88 Resp: 187460
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 33.5 27.6 41.4





#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

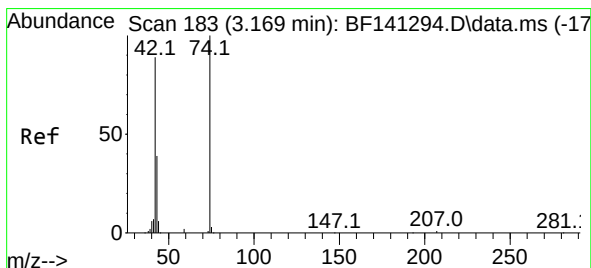
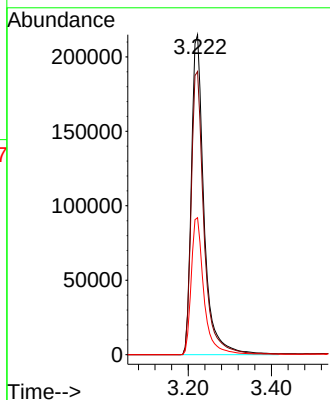
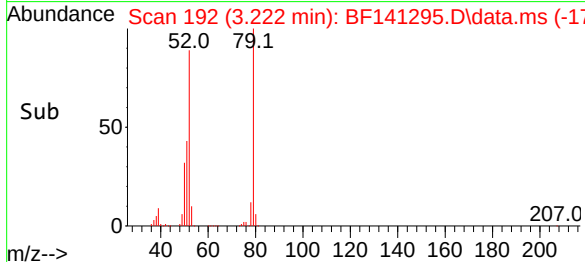
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



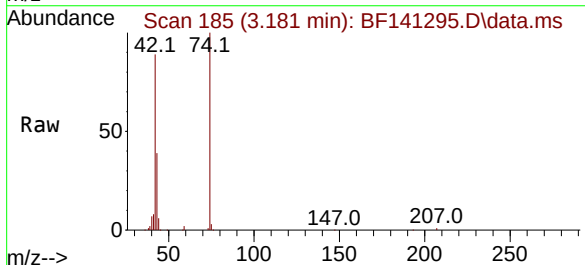
Tgt Ion: 79 Resp: 455300
Ion Ratio Lower Upper
79 100
52 88.5 70.3 105.5
51 42.8 34.3 51.5

Manual Integrations
APPROVED

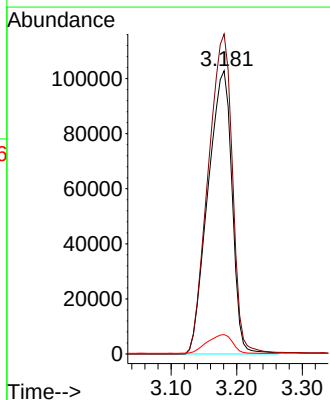
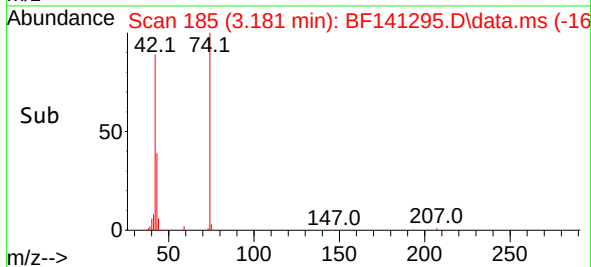
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

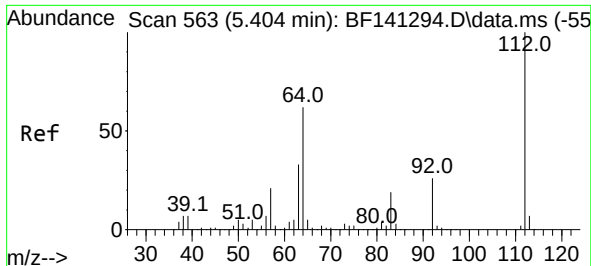


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



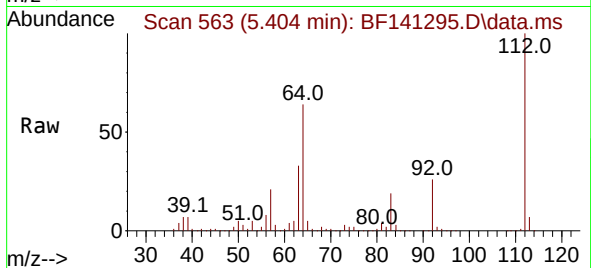
Tgt Ion: 42 Resp: 262086
Ion Ratio Lower Upper
42 100
74 113.0 90.3 135.5
44 6.8 5.7 8.5





#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

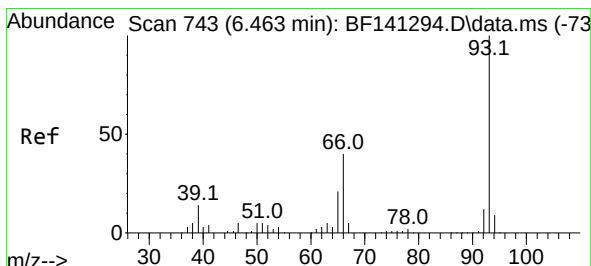
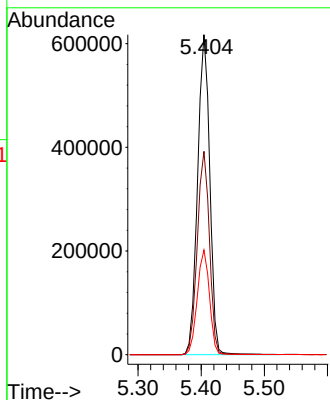
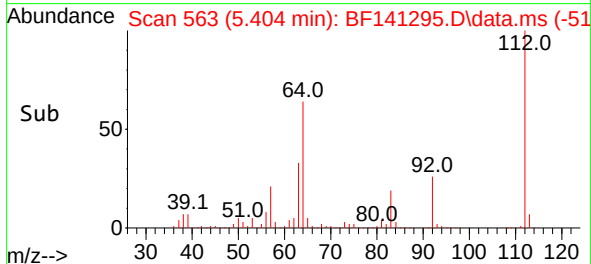
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

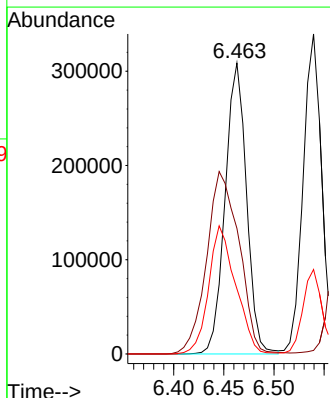
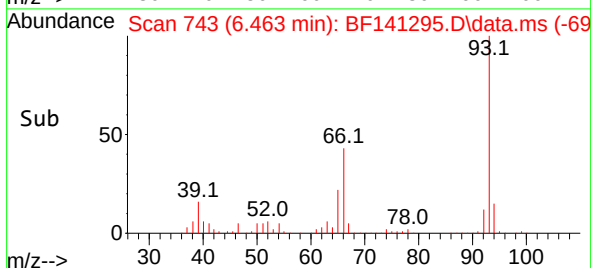
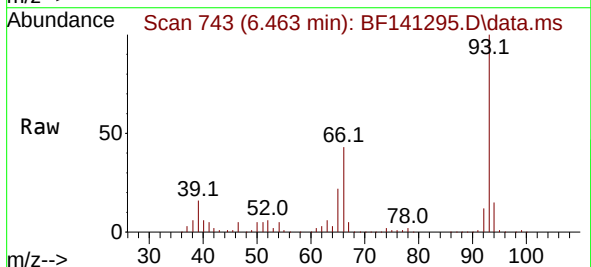
Manual Integrations
APPROVED

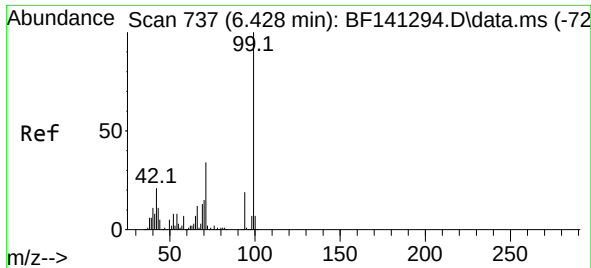
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

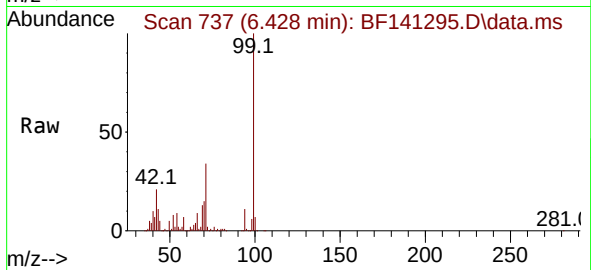
Tgt Ion: 93 Resp: 458390
Ion Ratio Lower Upper
93 100
66 43.2 32.5 48.7
65 22.4 17.0 25.6





#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

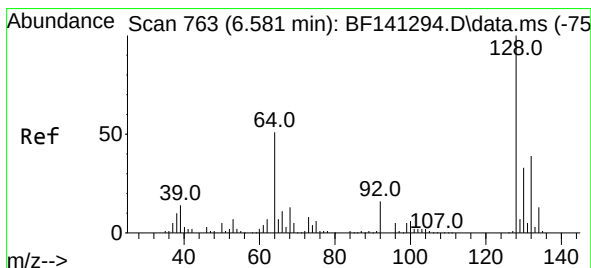
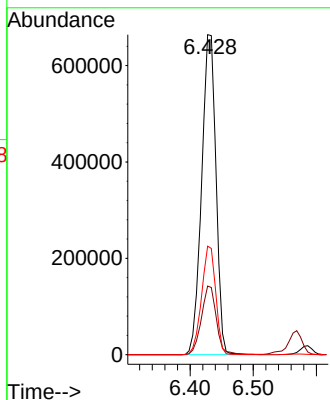
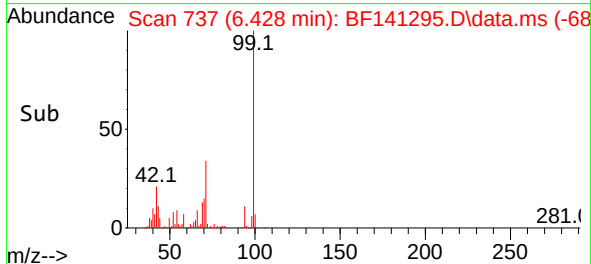
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



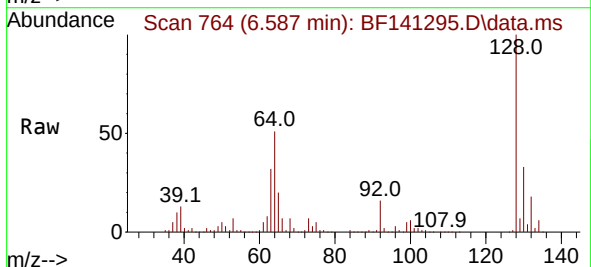
Tgt Ion: 99 Resp: 105238
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.9 26.9 40.3

Manual Integrations
APPROVED

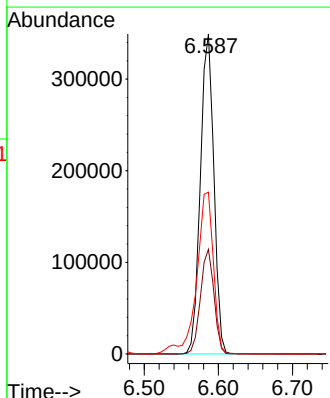
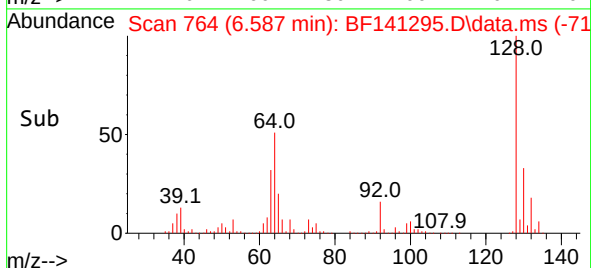
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

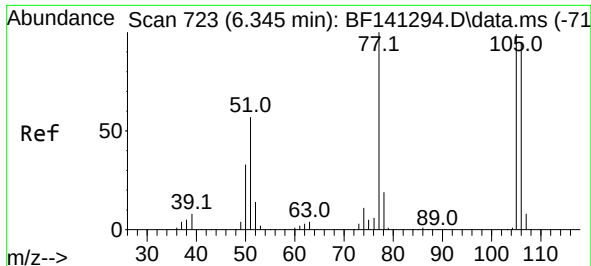


#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



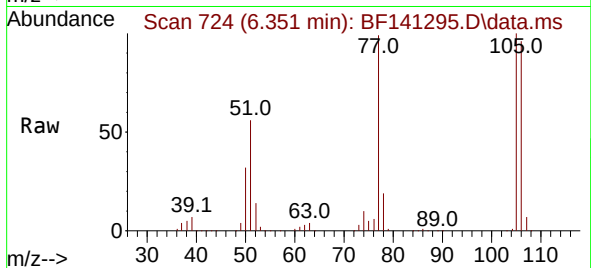
Tgt Ion:128 Resp: 441862
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 50.5 32.9 72.9





#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

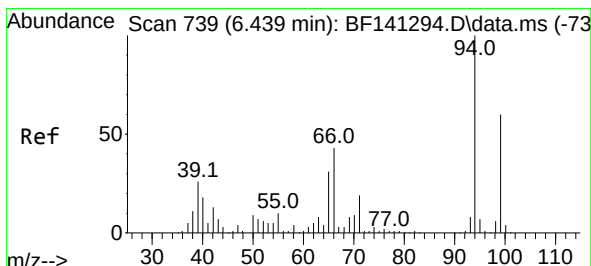
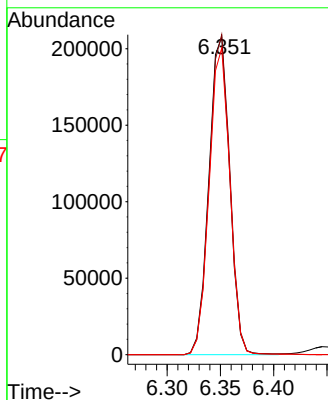
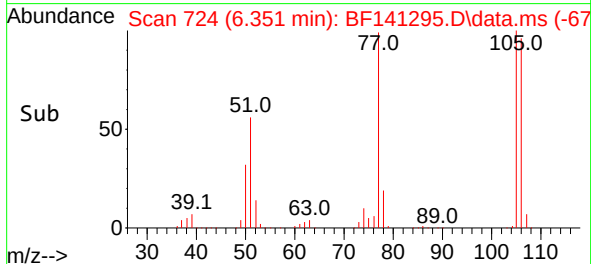
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

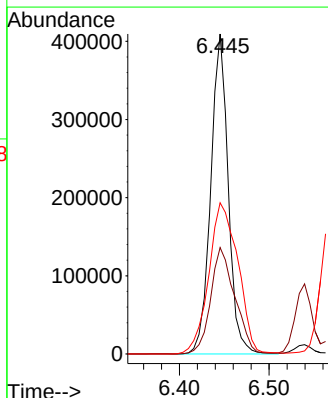
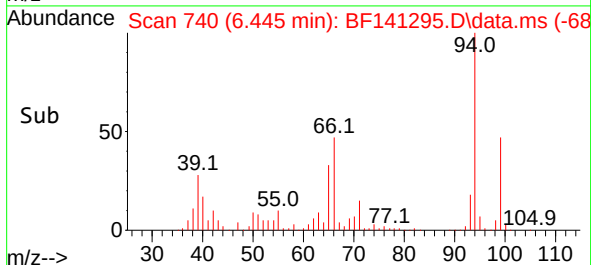
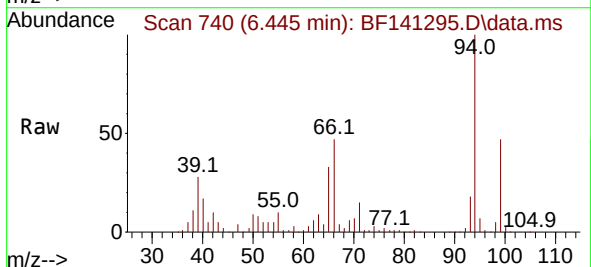
Manual Integrations
APPROVED

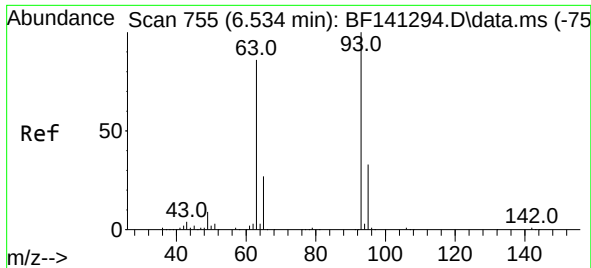
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





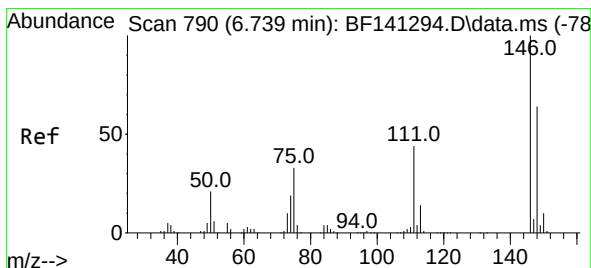
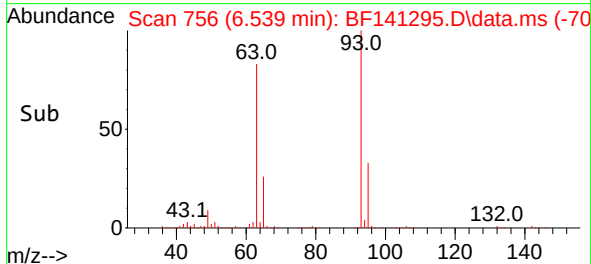
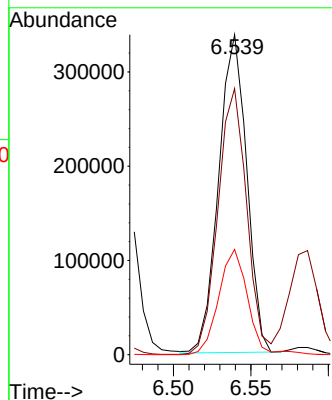
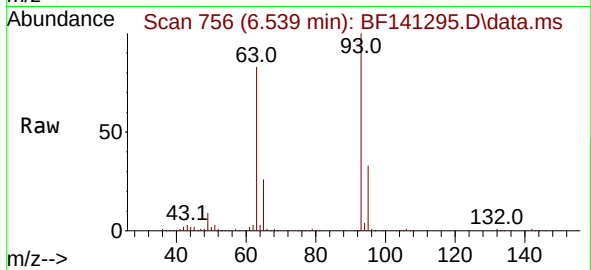
#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 424248
Ion Ratio Lower Upper
93 100
63 83.2 65.0 105.0
95 32.9 12.4 52.4

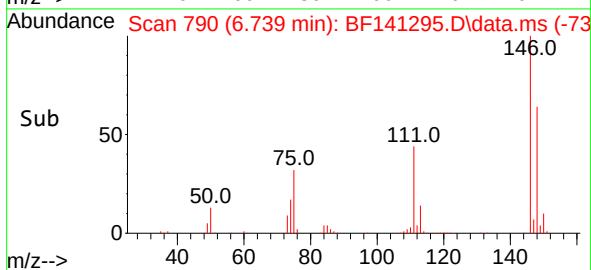
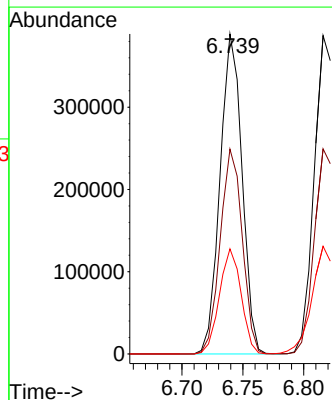
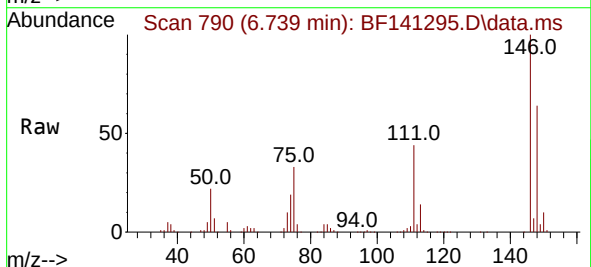
Manual Integrations
APPROVED

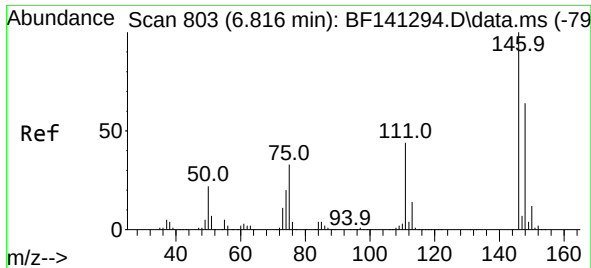
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 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





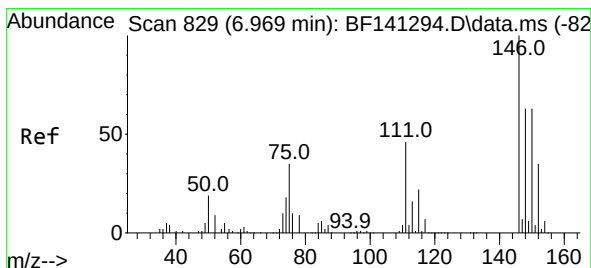
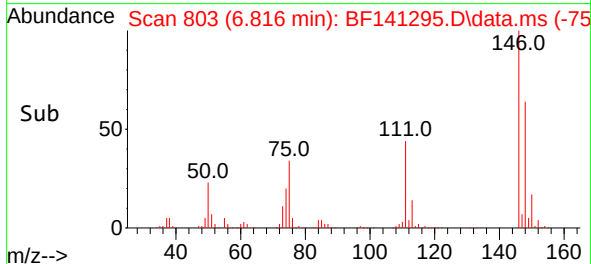
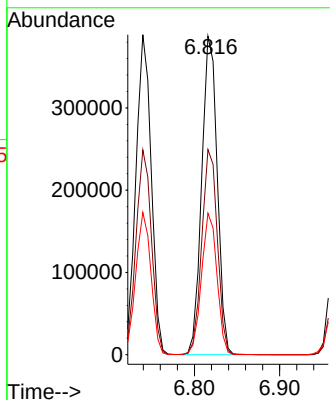
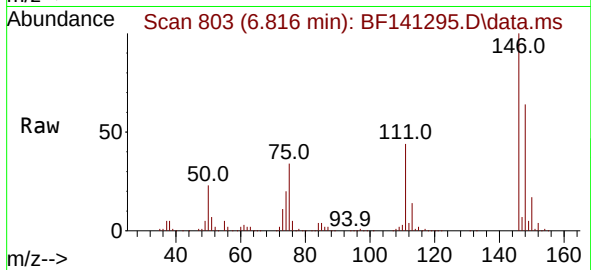
#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

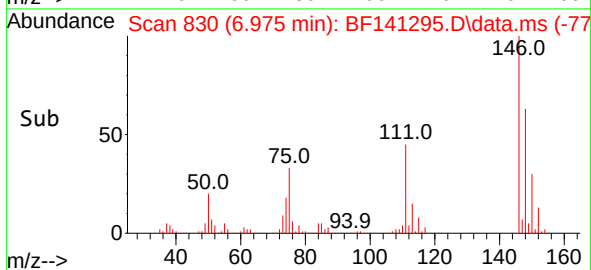
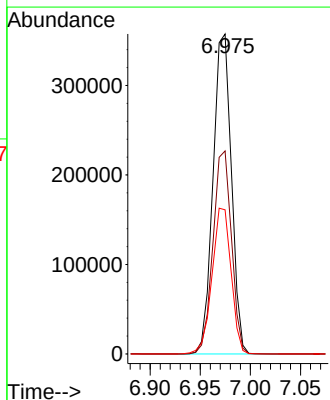
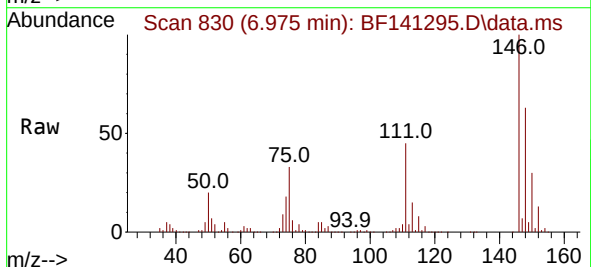
Manual Integrations
APPROVED

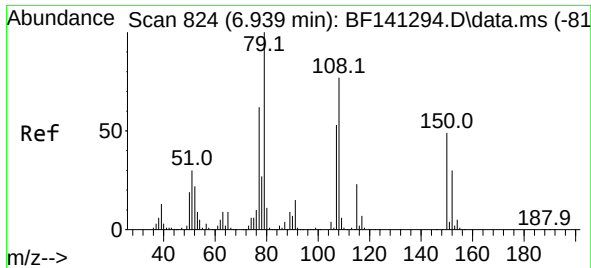
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

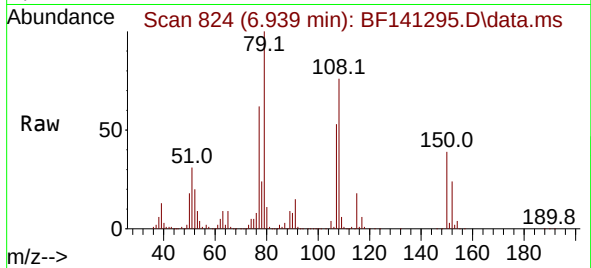
Tgt Ion:146 Resp: 454569
Ion Ratio Lower Upper
146 100
148 63.4 50.5 75.7
111 45.1 36.6 55.0





#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

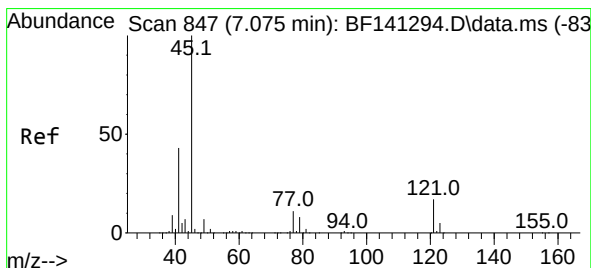
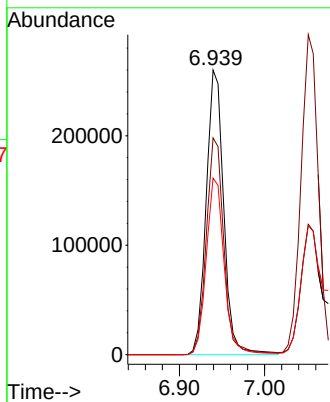
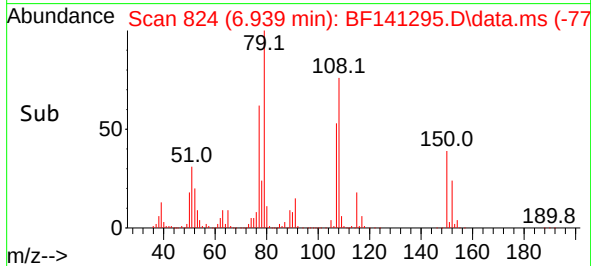
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



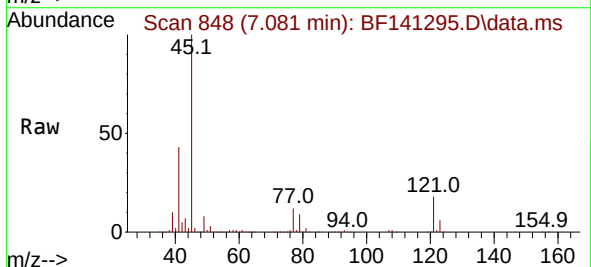
Tgt Ion: 79 Resp: 371274
Ion Ratio Lower Upper
79 100
108 76.2 61.4 92.0
77 62.1 49.9 74.9

Manual Integrations
APPROVED

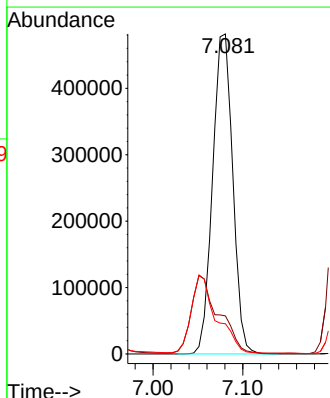
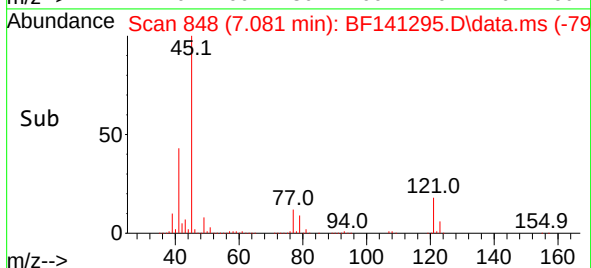
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

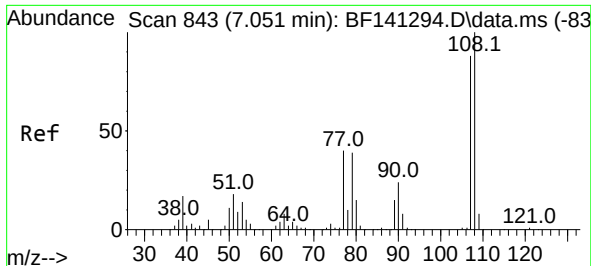


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



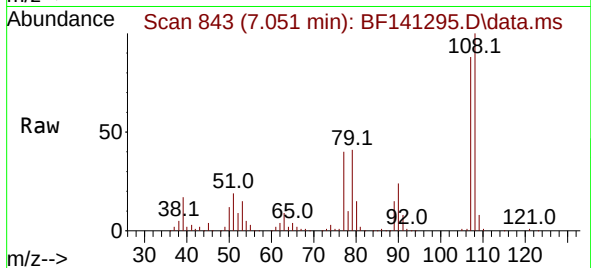
Tgt Ion: 45 Resp: 749938
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.8
79 9.5 0.0 29.1





#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

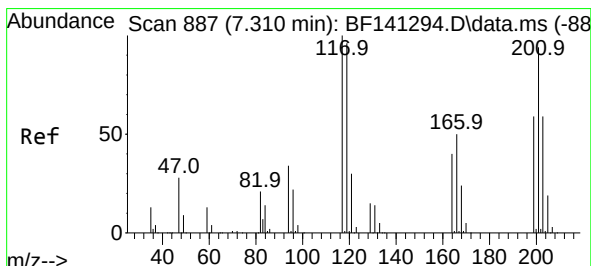
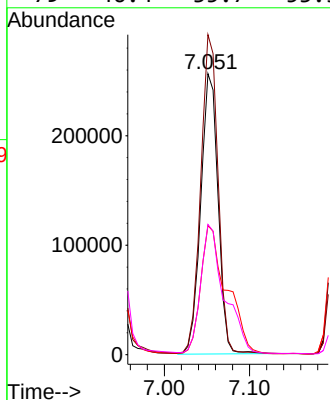
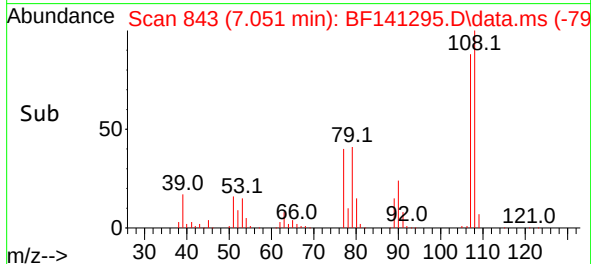
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



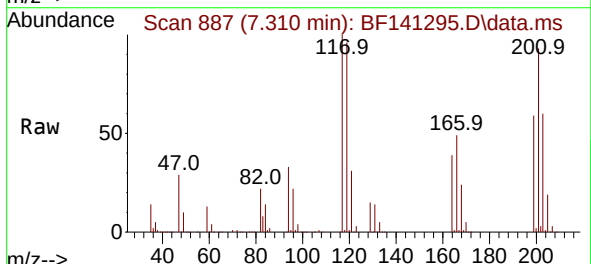
Tgt Ion:107 Resp: 361469
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 46.0 36.2 54.4
79 46.4 35.7 53.5

Manual Integrations
APPROVED

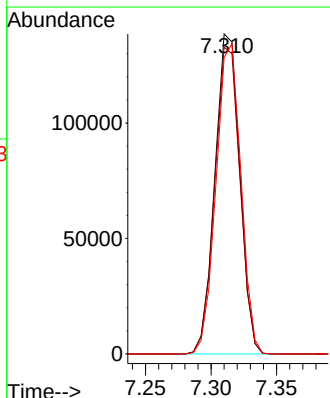
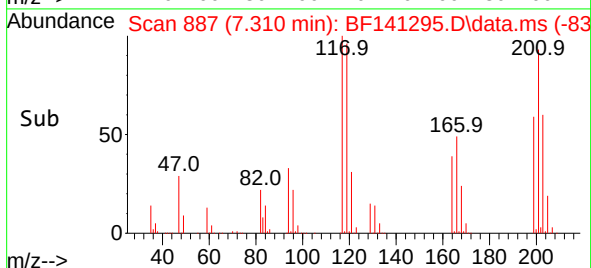
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

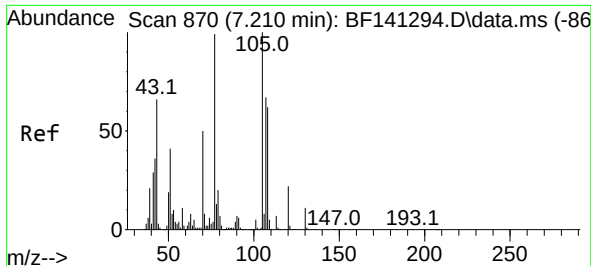


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



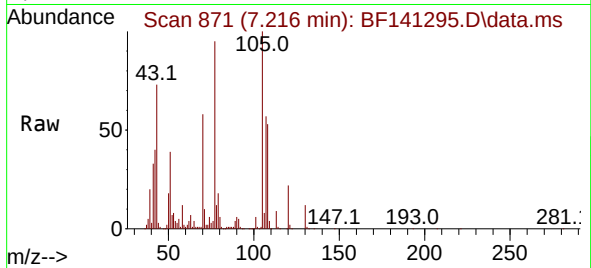
Tgt Ion:117 Resp: 182933
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 92.7 74.8 112.2





#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

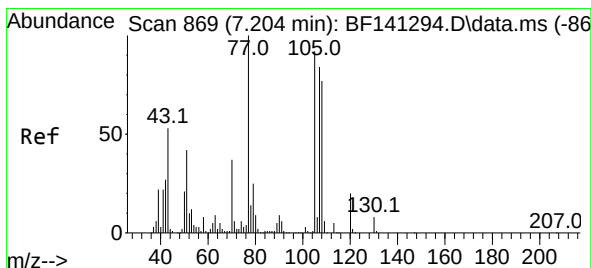
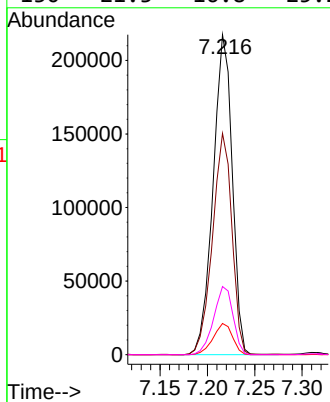
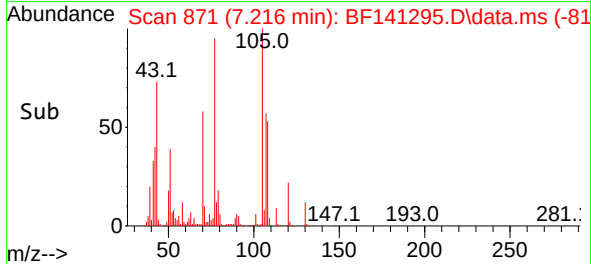
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



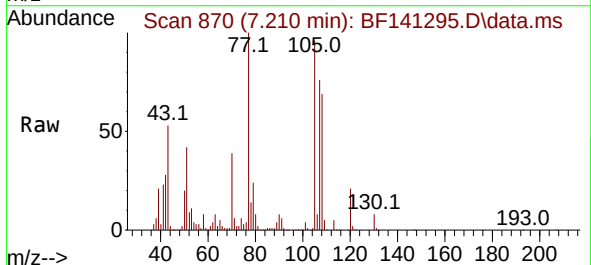
Tgt Ion: 70 Resp: 305749
Ion Ratio Lower Upper
70 100
42 69.2 56.8 85.2
101 9.7 7.7 11.5
130 21.3 16.8 25.2

Manual Integrations
APPROVED

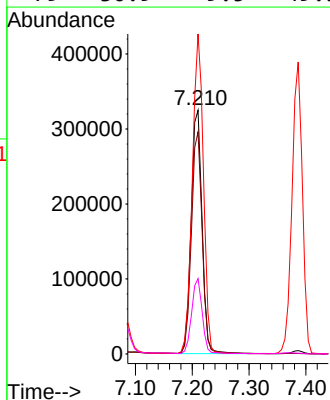
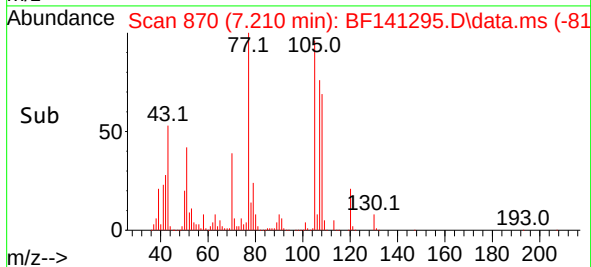
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

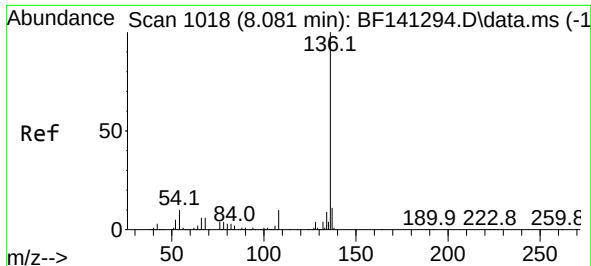


#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



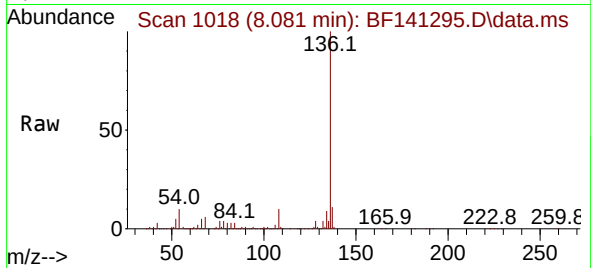
Tgt Ion:107 Resp: 434743
Ion Ratio Lower Upper
107 100
108 91.2 70.9 110.9
77 131.3 98.5 138.5
79 30.9 9.5 49.5





#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

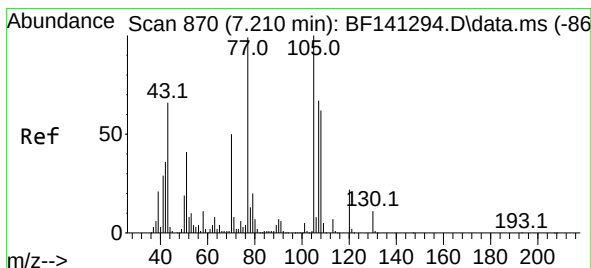
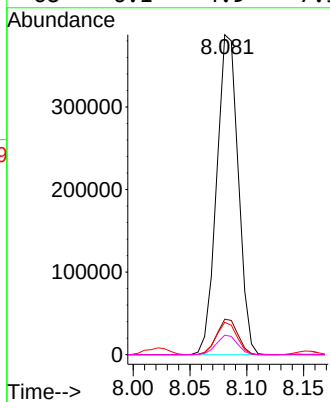
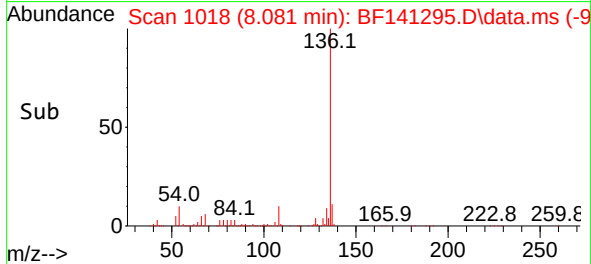
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



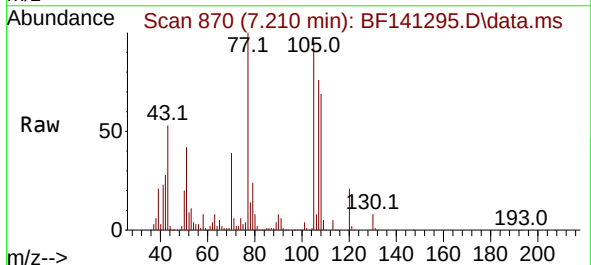
Tgt Ion:	136	Resp:	51184
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.1	7.8	11.8
68	6.1	4.9	7.3

Manual Integrations
APPROVED

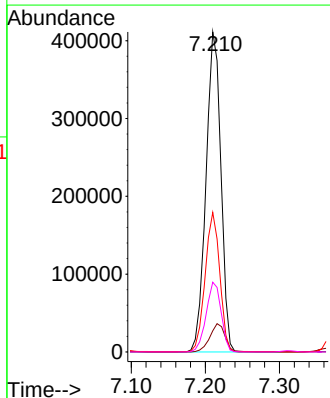
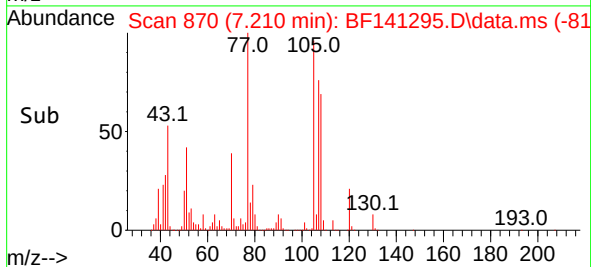
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

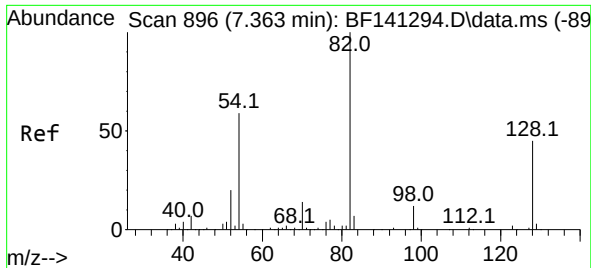


#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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

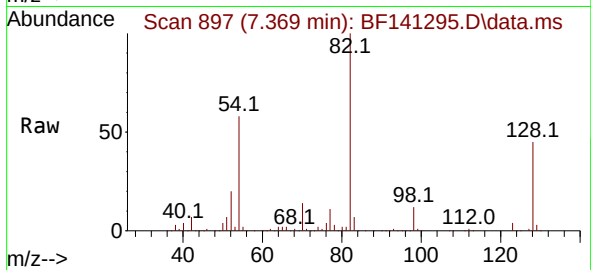
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



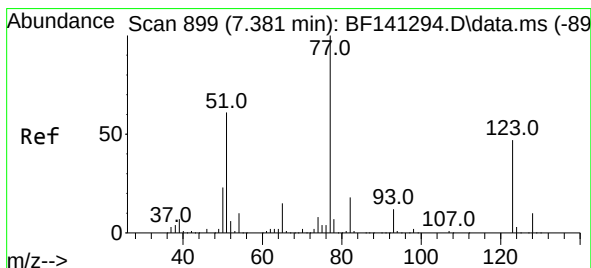
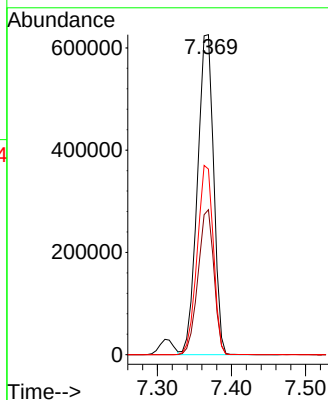
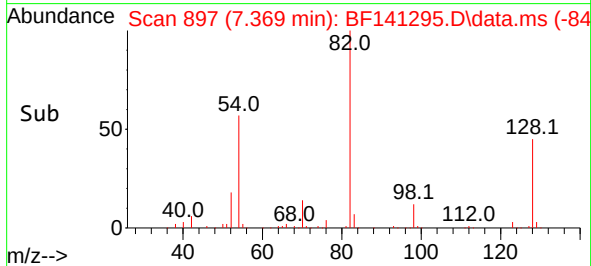
Tgt Ion: 82 Resp: 95536

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

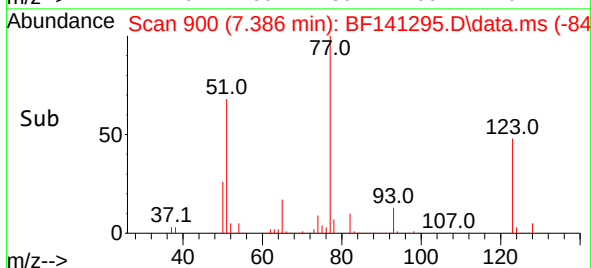
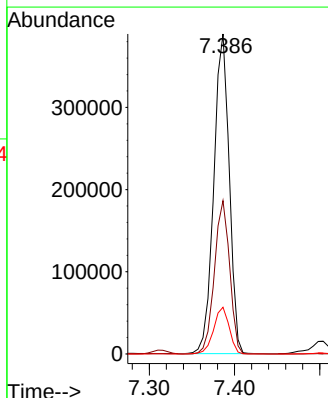
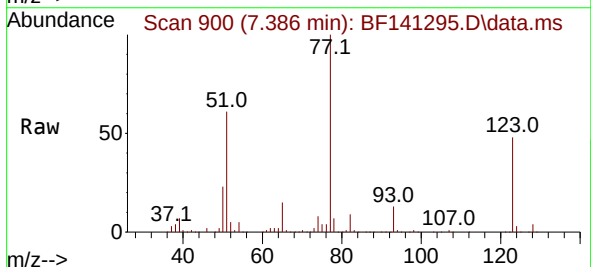
Delta R.T. 0.006 min

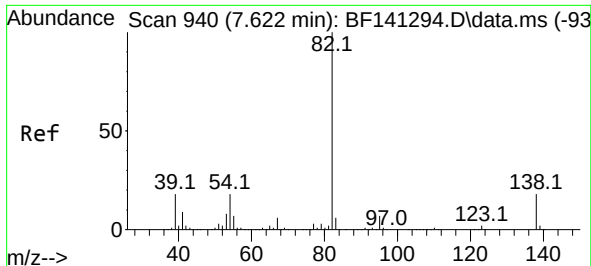
Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 492082

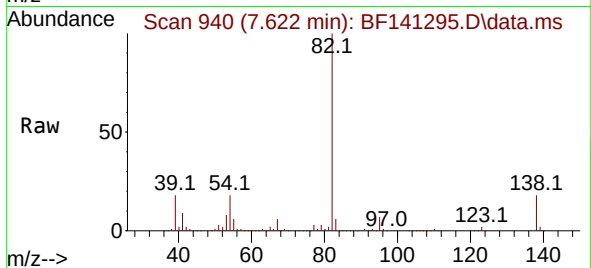
Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	14.6	11.8	17.6





#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

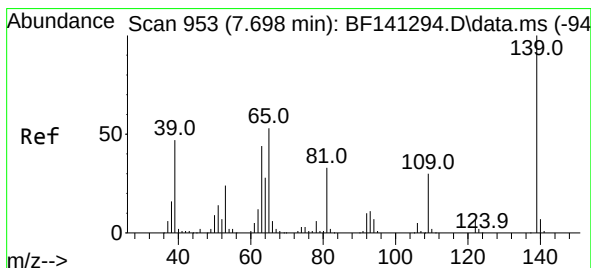
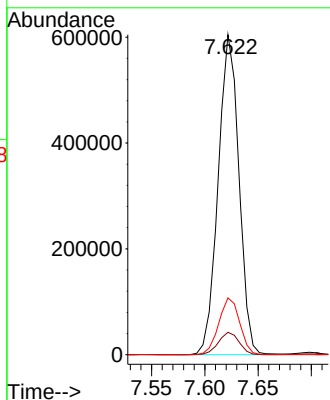
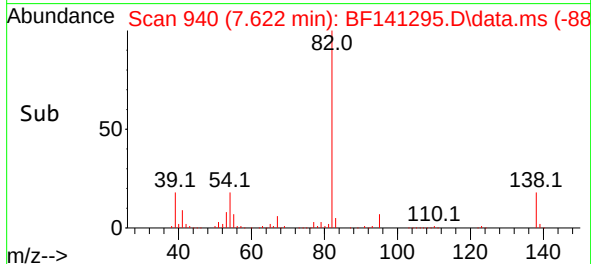
Instrument :
BNA_F
Client Sample Id :
SSTDICC050



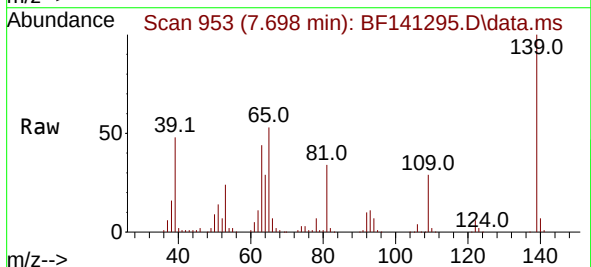
Tgt Ion: 82 Resp: 818490
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

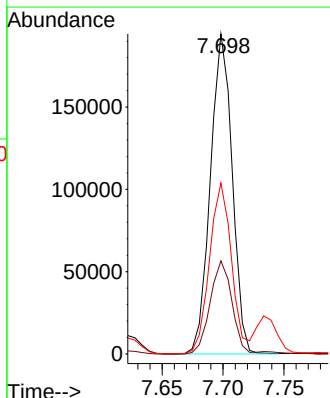
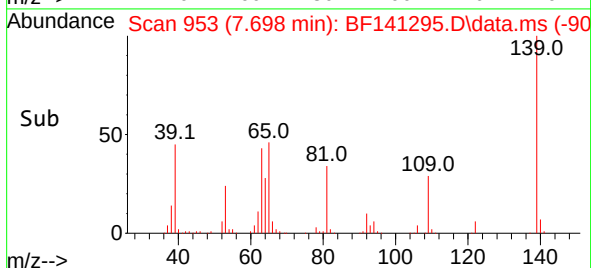
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

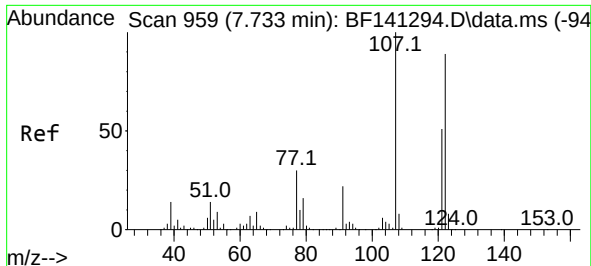


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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# 9

Delta R.T. 0.000 min

Lab File: BF141295.D

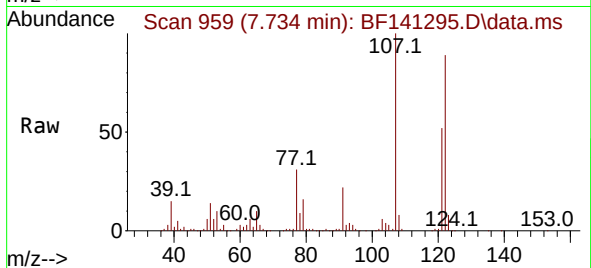
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 300079

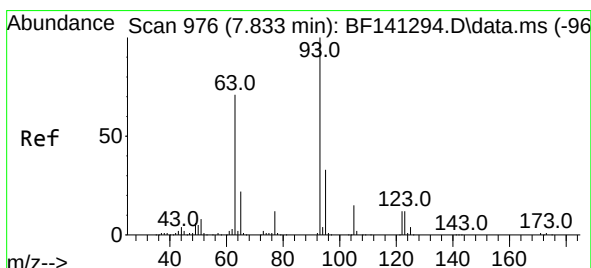
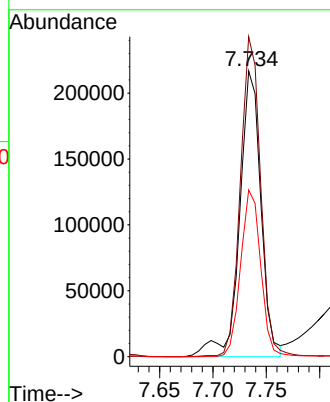
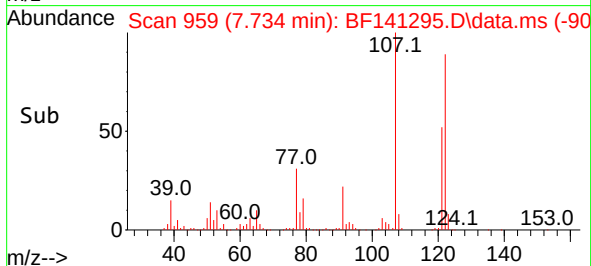
Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1

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

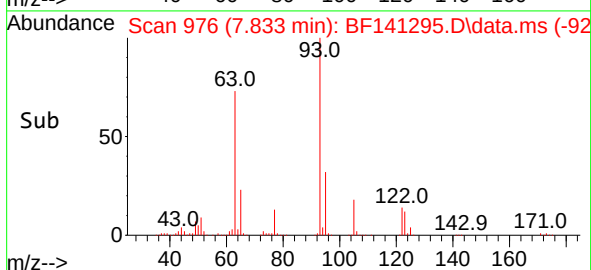
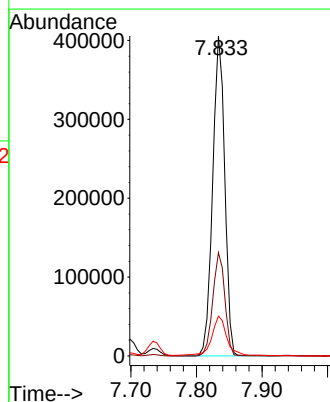
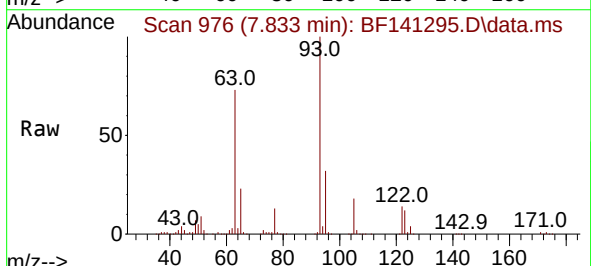
Delta R.T. 0.000 min

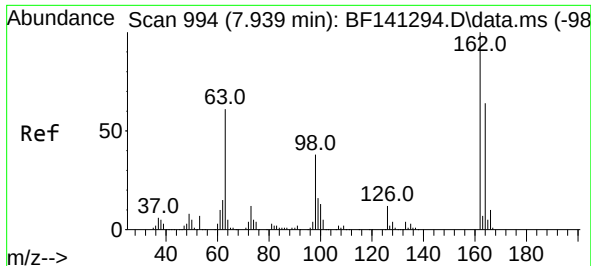
Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 518825

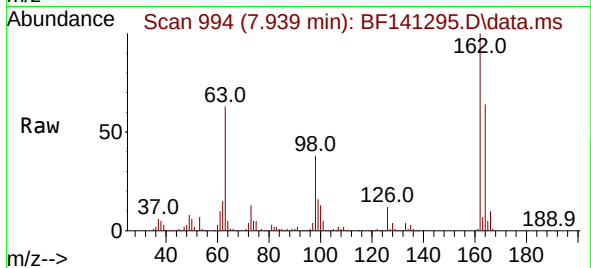
Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.4	10.2	15.4





#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

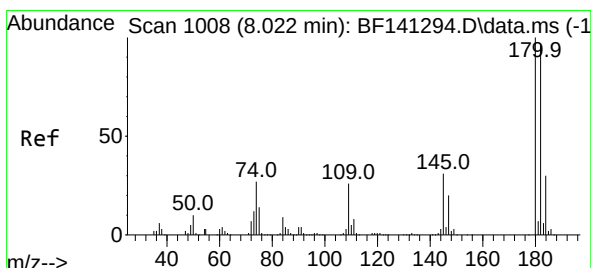
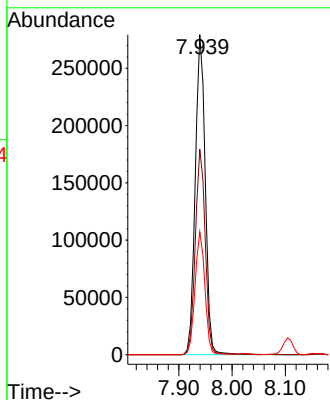
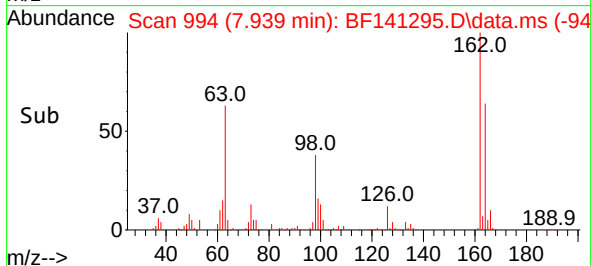
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



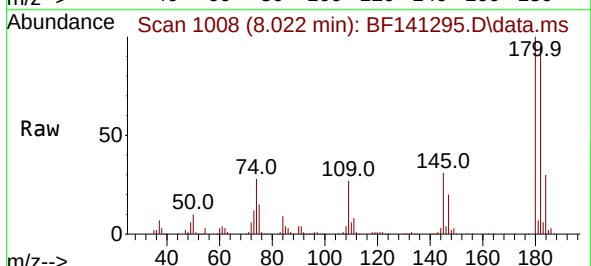
Tgt Ion:162 Resp: 363274
Ion Ratio Lower Upper
162 100
164 64.2 44.2 84.2
98 38.4 18.2 58.2

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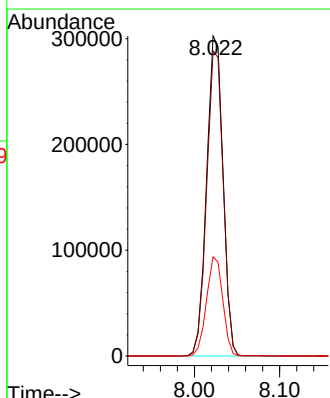
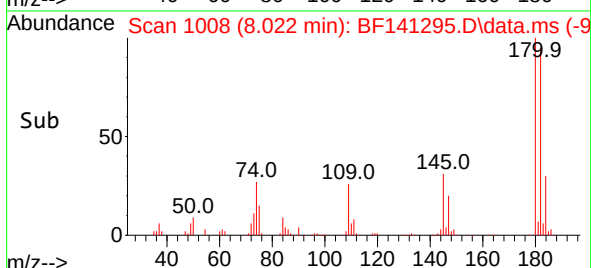
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

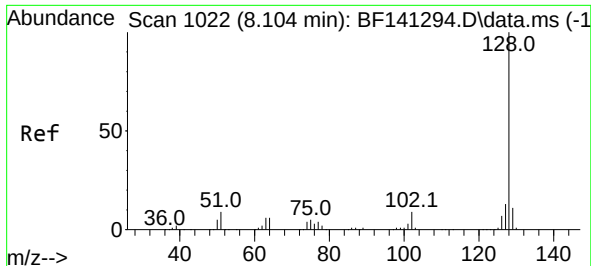


#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



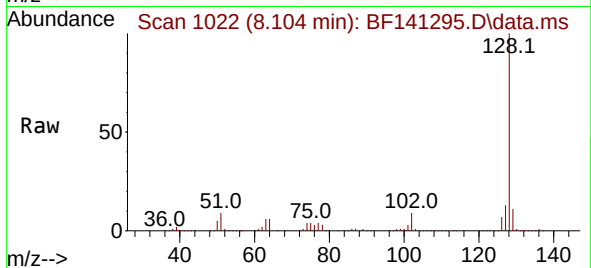
Tgt Ion:180 Resp: 406562
Ion Ratio Lower Upper
180 100
182 95.3 76.4 114.6
145 31.0 24.9 37.3





#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

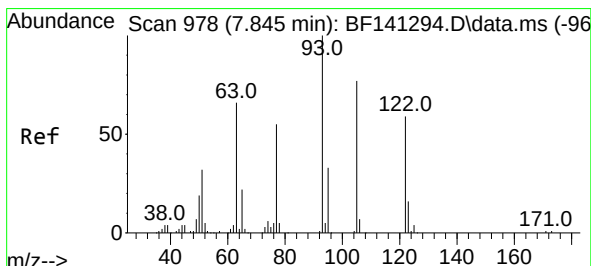
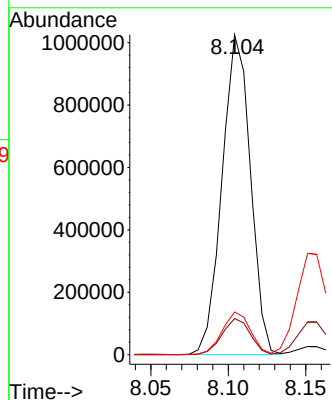
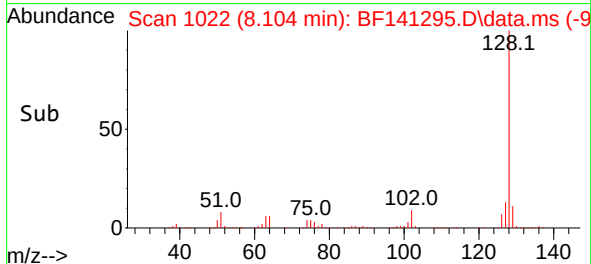
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

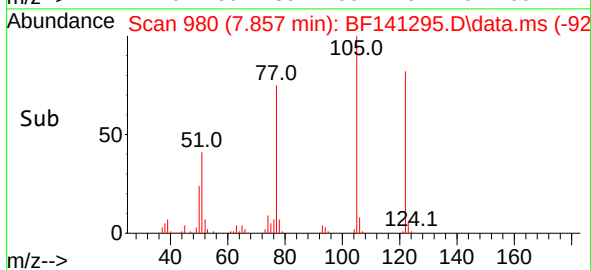
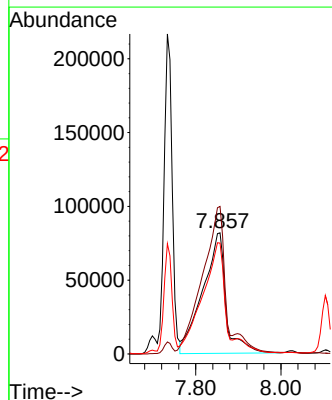
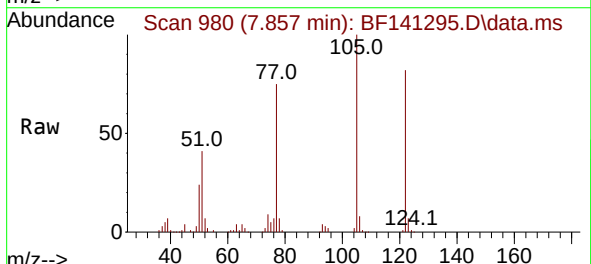
Manual Integrations
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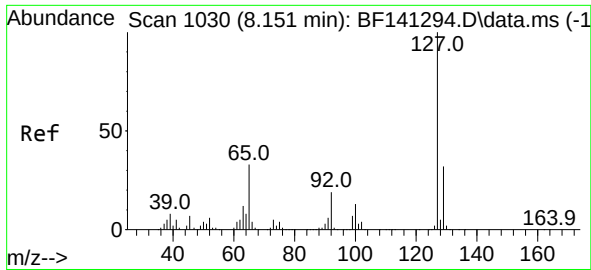
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

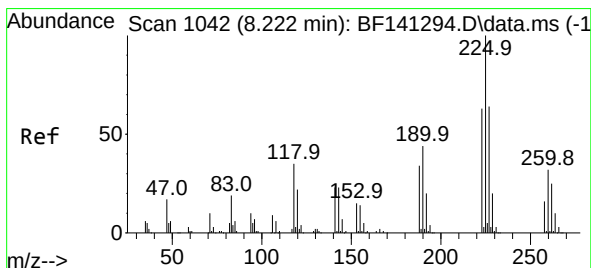
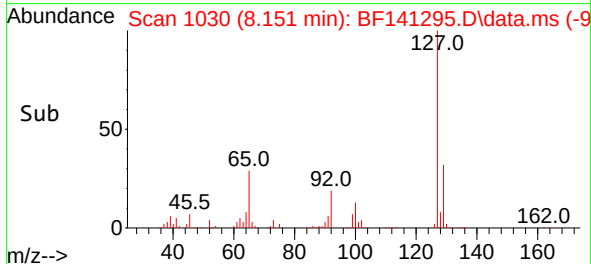
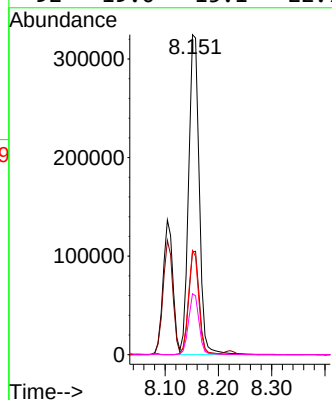
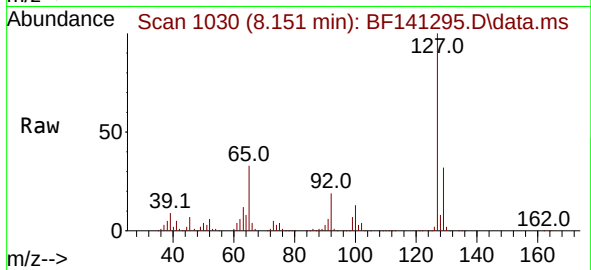
ClientSampleId :

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

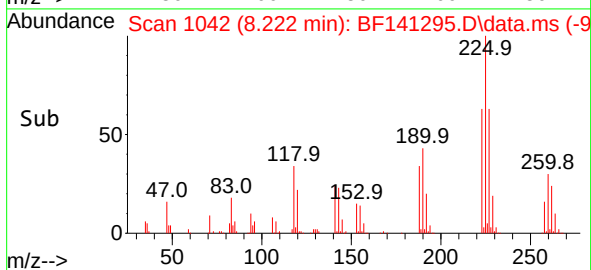
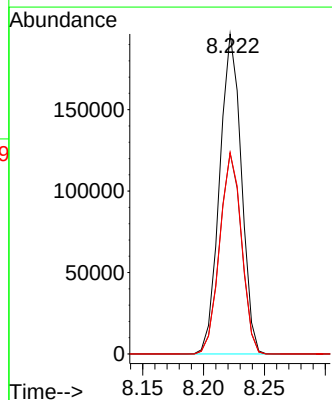
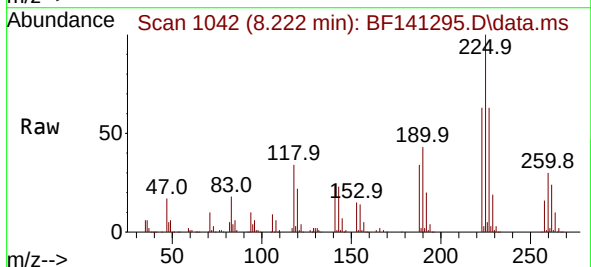
Manual Integrations
APPROVED

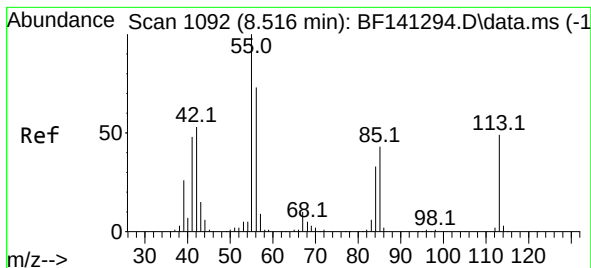
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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# 1109

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

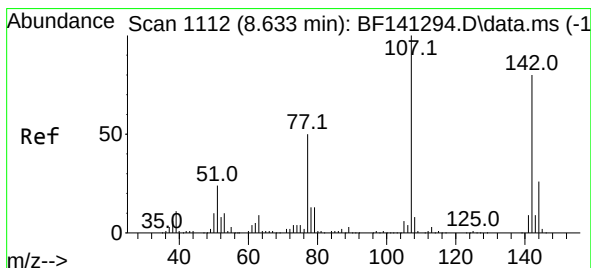
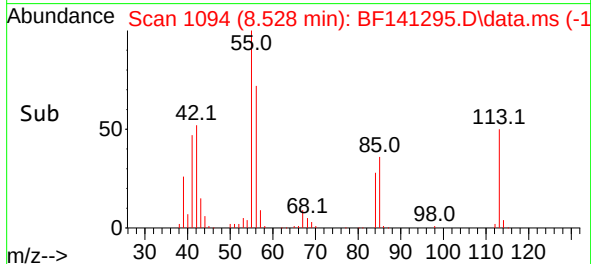
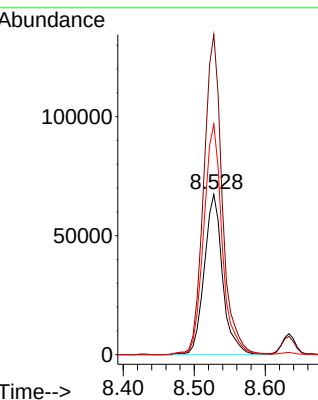
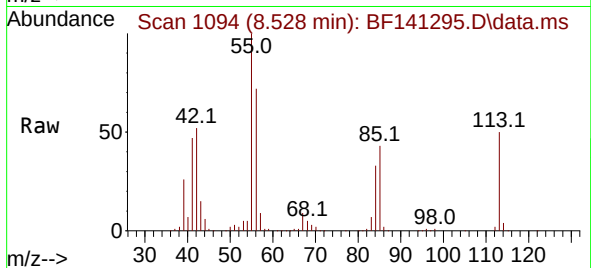
56 143.7 127.9 167.9

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

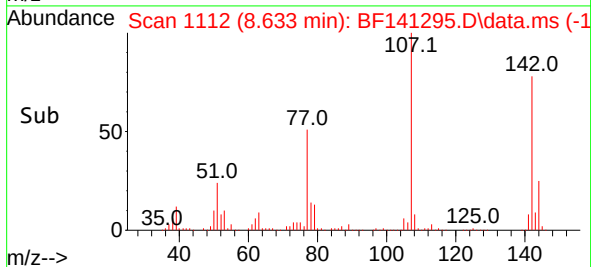
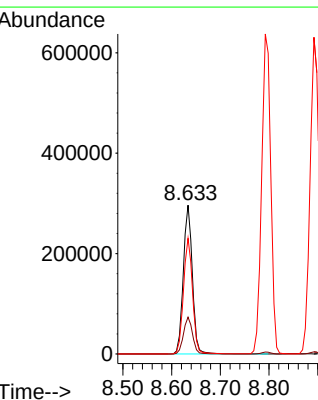
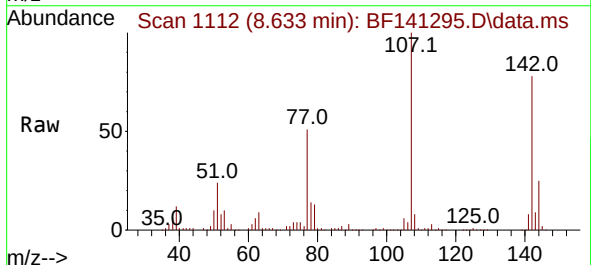
Tgt Ion:107 Resp: 385683

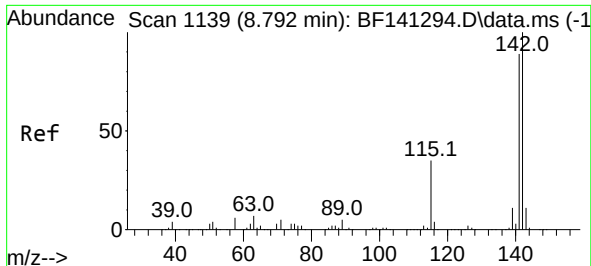
Ion Ratio Lower Upper

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: 82298

Ion Ratio Lower Upper

142 100

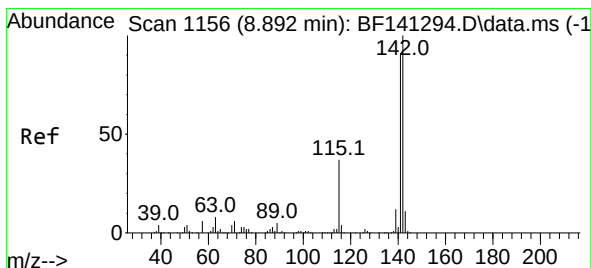
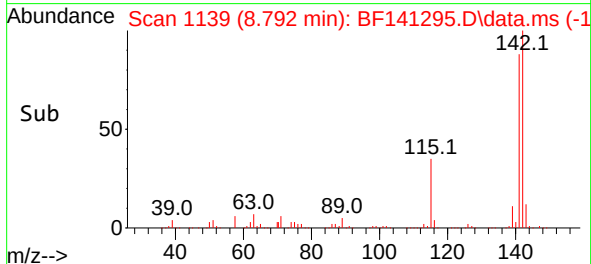
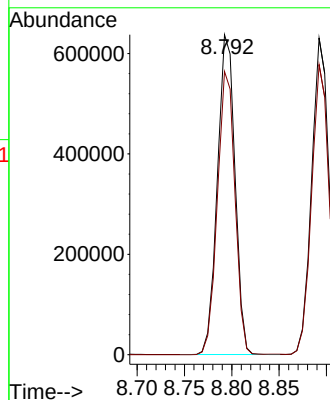
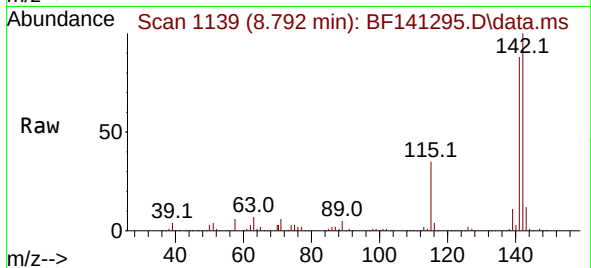
141 88.5 71.3 106.9

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

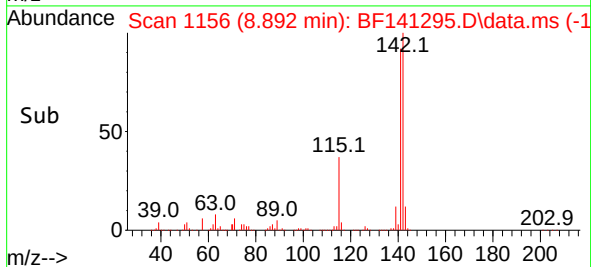
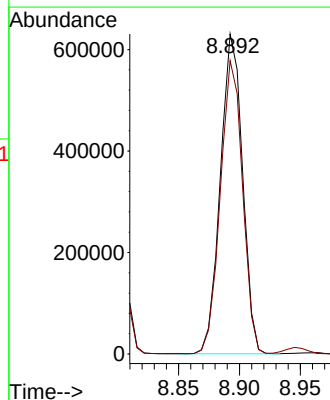
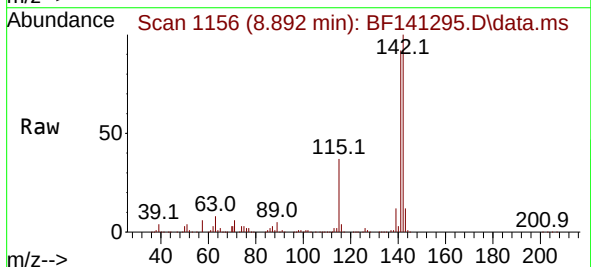
Acq: 29 Jan 2025 16:11

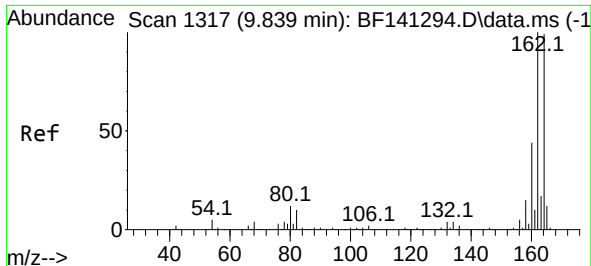
Tgt Ion:142 Resp: 799136

Ion Ratio Lower Upper

142 100

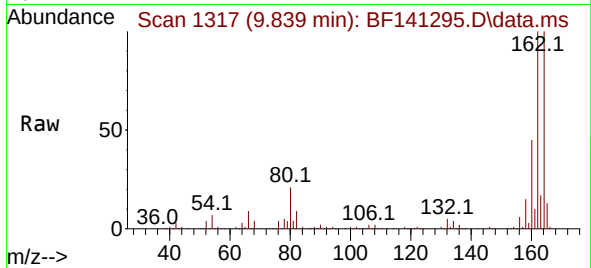
141 91.6 73.2 109.8





#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

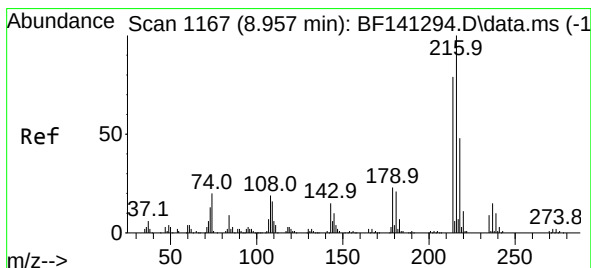
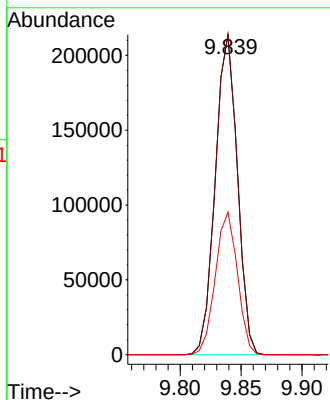
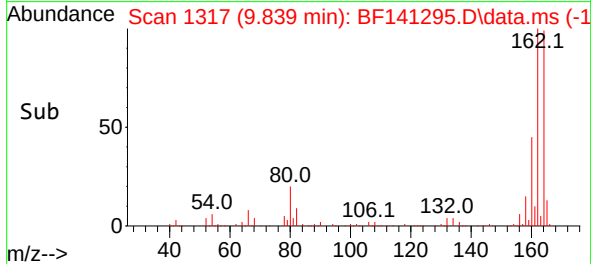
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



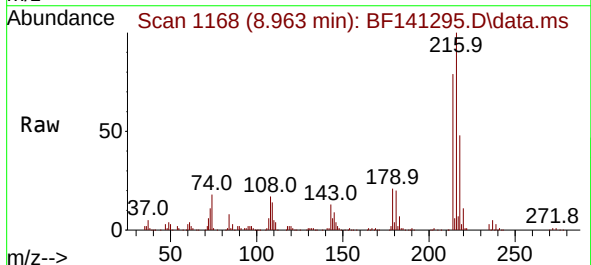
Tgt Ion:164 Resp: 269662
Ion Ratio Lower Upper
164 100
162 100.1 80.6 121.0
160 44.5 35.8 53.6

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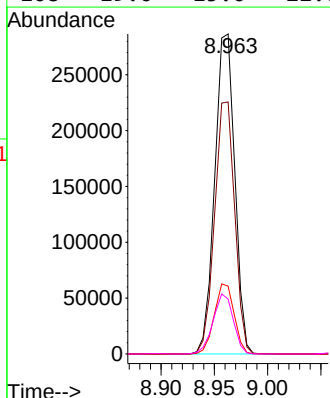
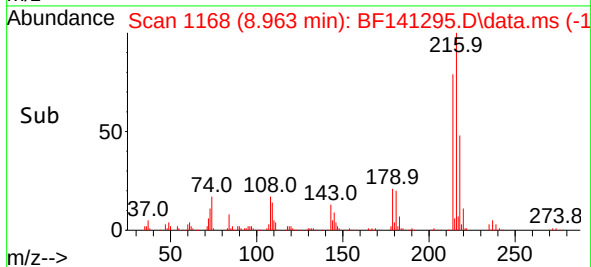
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

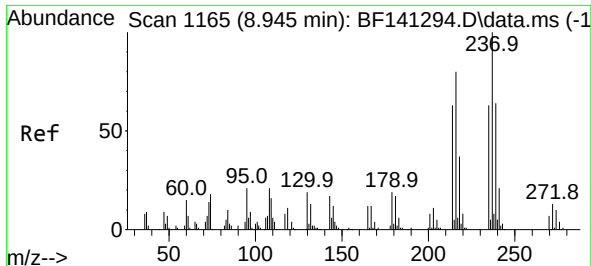


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



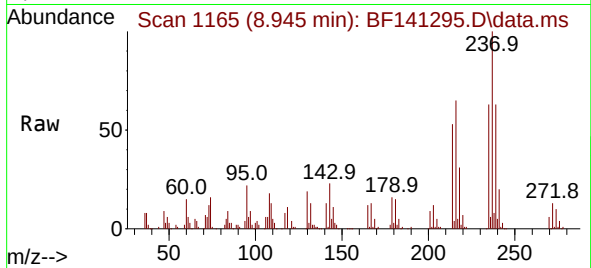
Tgt Ion:216 Resp: 373963
Ion Ratio Lower Upper
216 100
214 79.0 63.2 94.8
179 21.7 17.8 26.8
108 19.0 15.0 22.6





#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

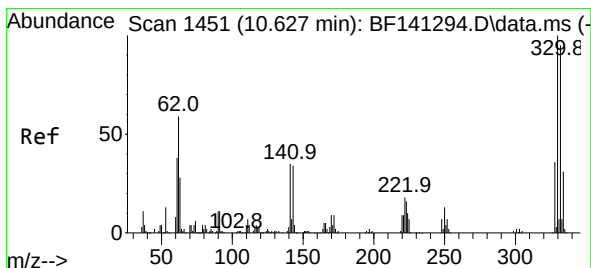
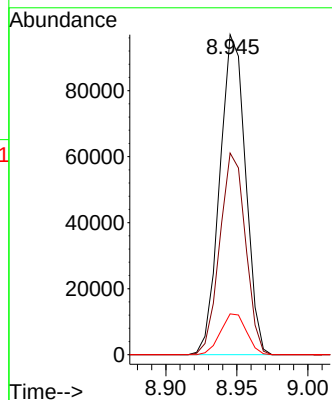
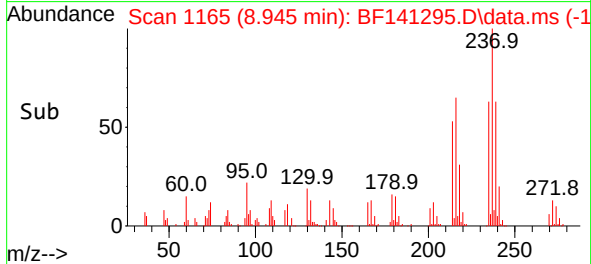
Instrument :
BNA_F
Client Sample Id :
SSTDICC050



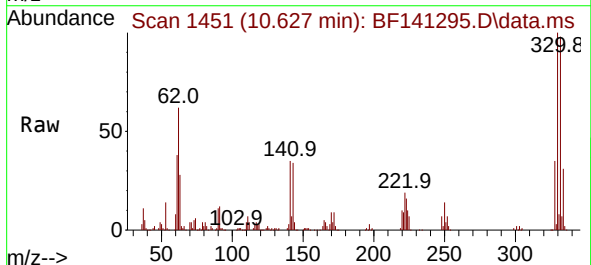
Tgt Ion: 237 Resp: 122470
Ion Ratio Lower Upper
237 100
235 63.0 42.9 82.9
272 12.7 0.0 32.8

Manual Integrations
APPROVED

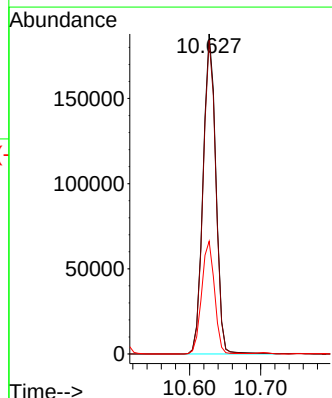
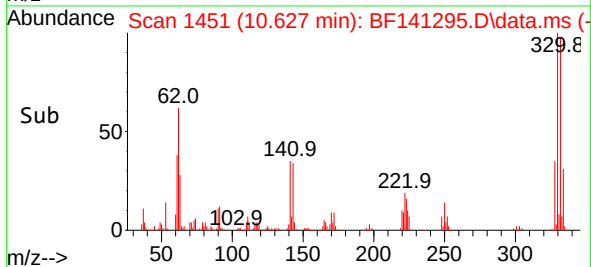
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

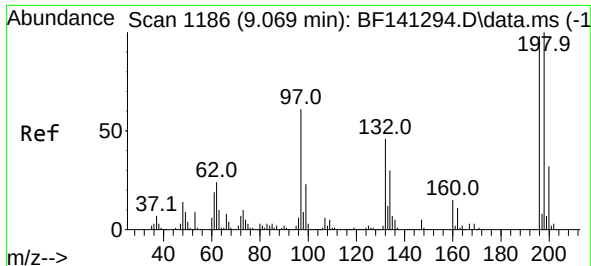


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



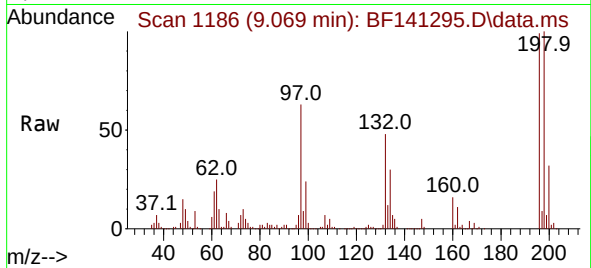
Tgt Ion: 330 Resp: 235884
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 35.4 28.8 43.2





#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

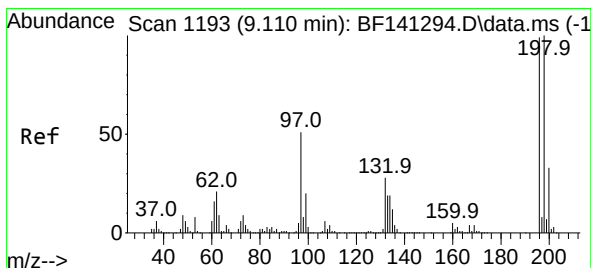
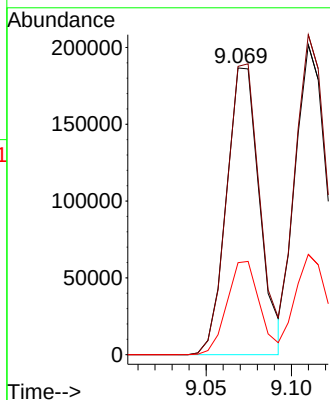
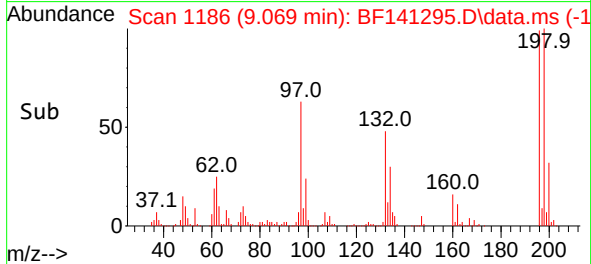
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



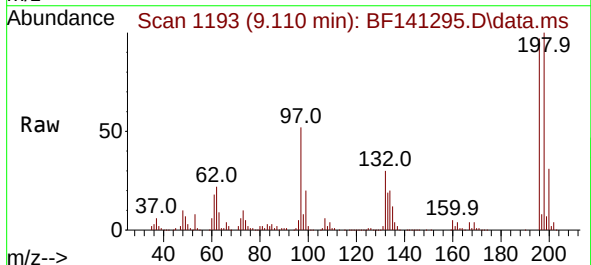
Tgt Ion:196 Resp: 252974
Ion Ratio Lower Upper
196 100
198 100.5 81.8 122.6
200 32.1 26.3 39.5

Manual Integrations
APPROVED

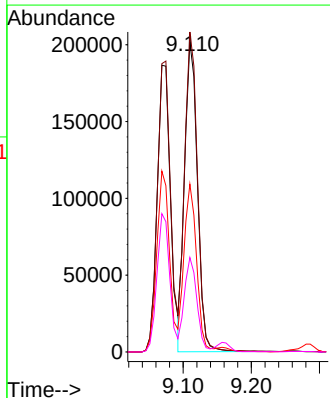
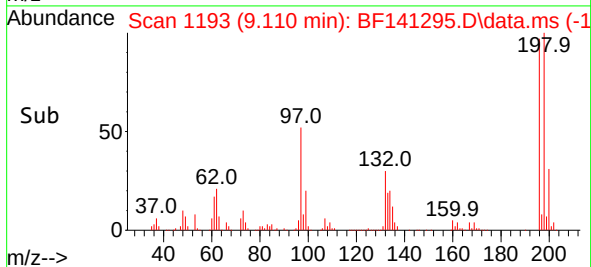
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

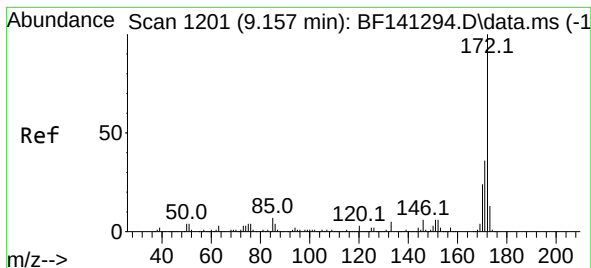


#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



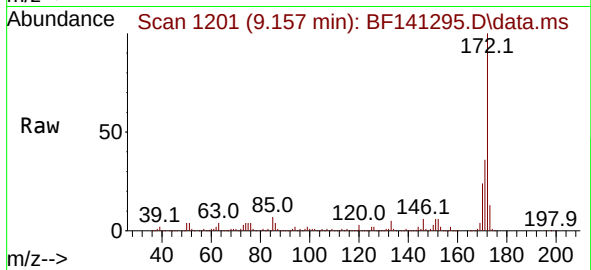
Tgt Ion:196 Resp: 263745
Ion Ratio Lower Upper
196 100
198 103.2 80.5 120.7
97 54.1 42.8 64.2
132 30.5 23.5 35.3





#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

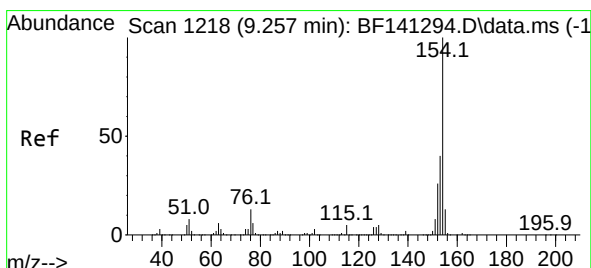
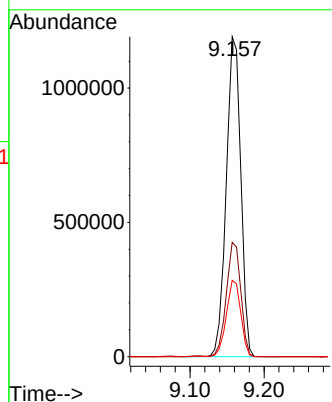
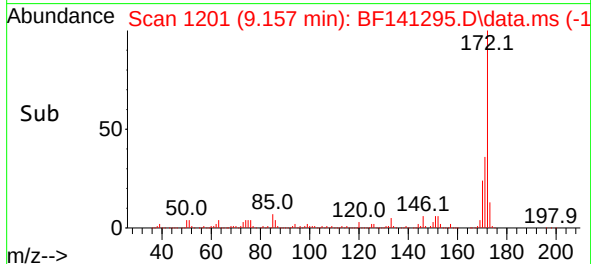
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



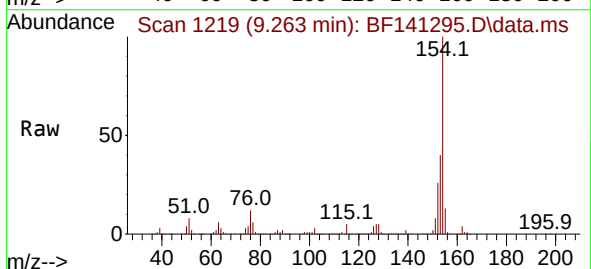
Tgt Ion:172 Resp: 1620825
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.0 28.6

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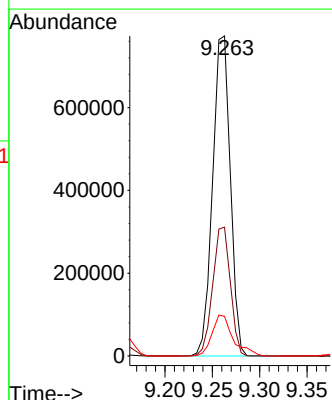
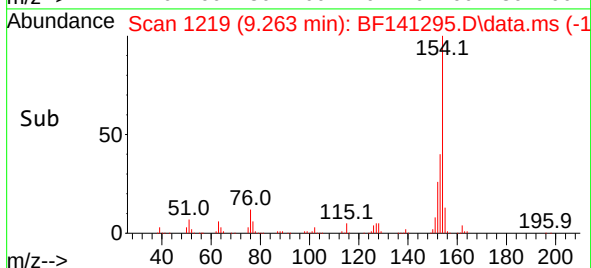
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

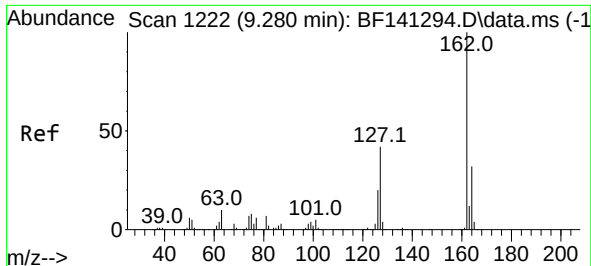


#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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

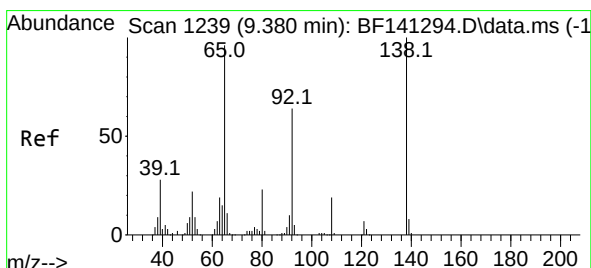
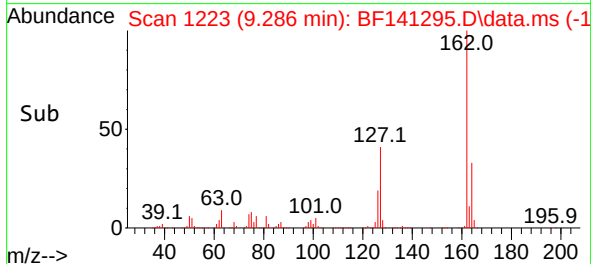
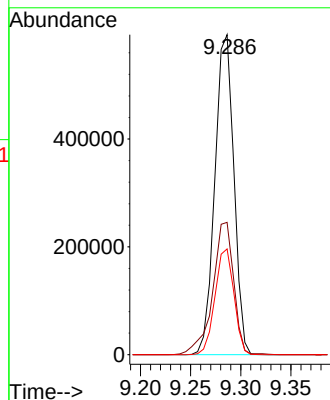
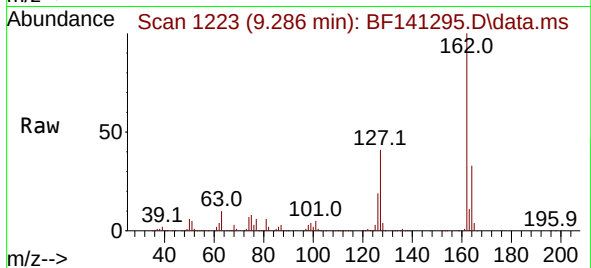
ClientSampleId :

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

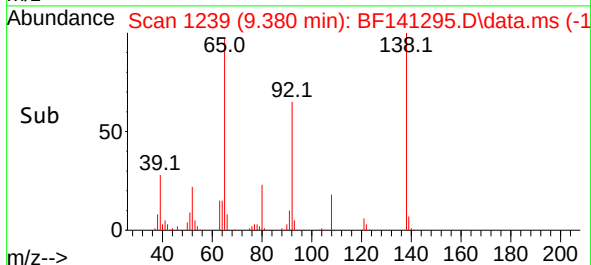
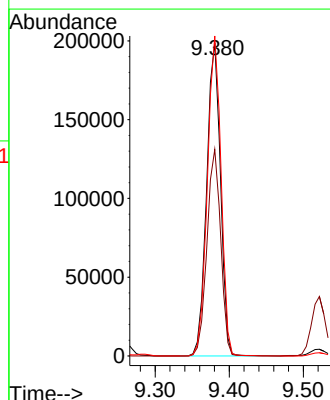
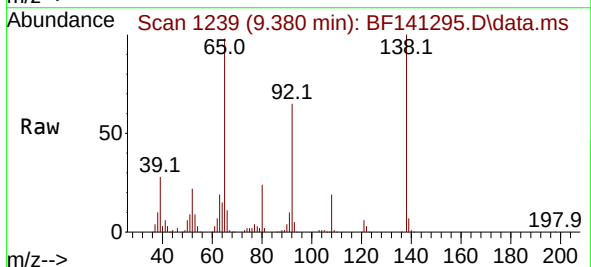
RT: 9.380 min Scan# 1239

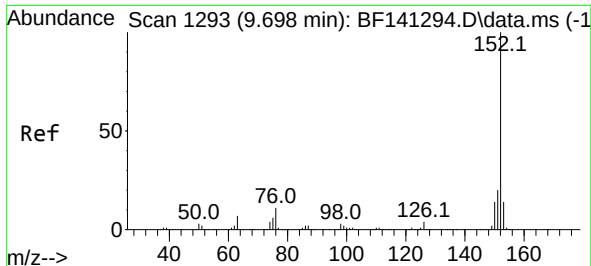
Delta R.T. 0.000 min

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

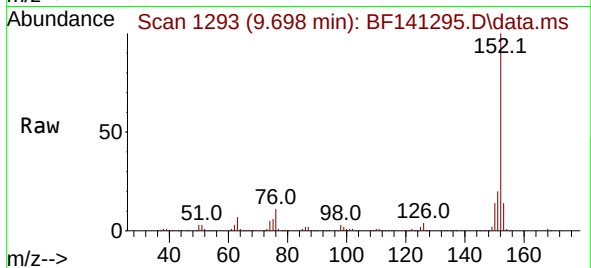
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:152 Resp: 1092234

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

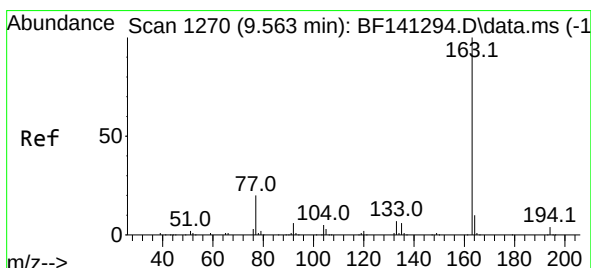
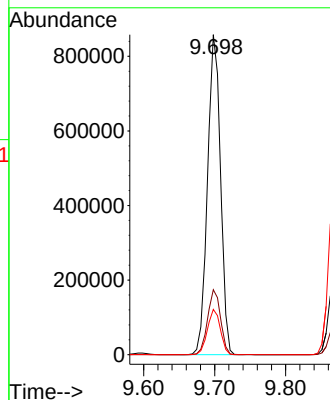
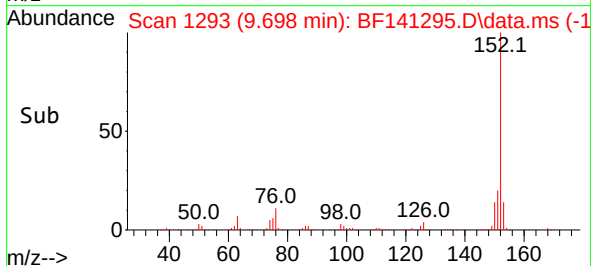
153 14.2 11.0 16.6

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

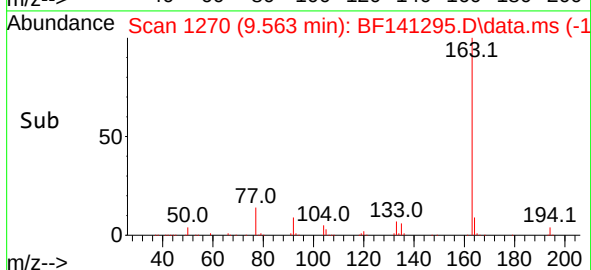
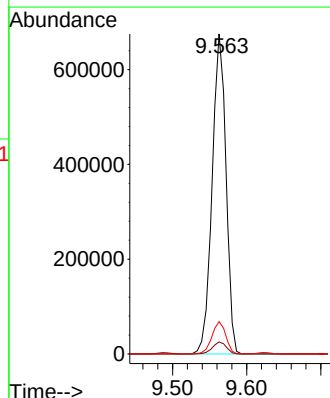
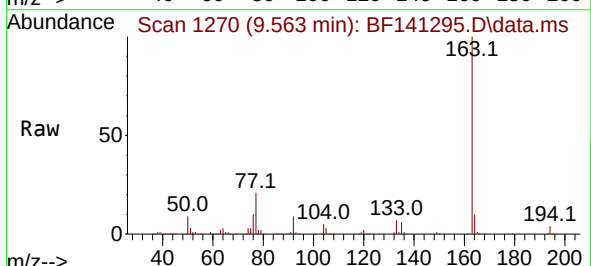
Tgt Ion:163 Resp: 875569

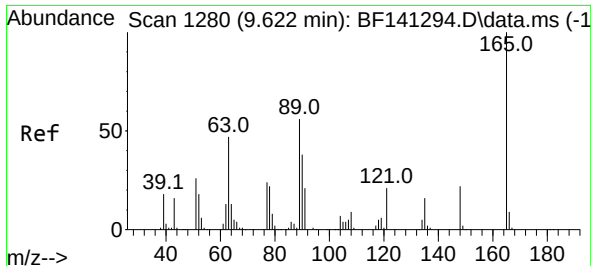
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

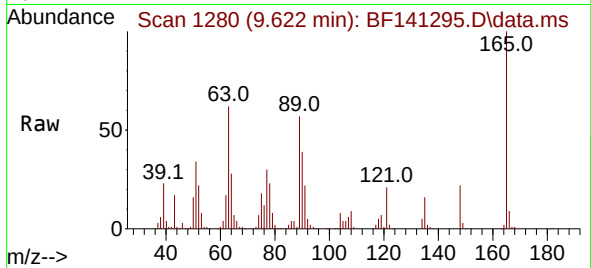
164 10.1 8.0 12.0





#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

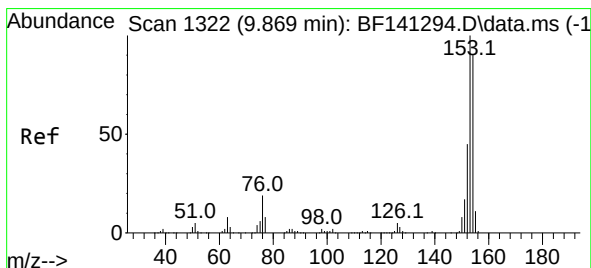
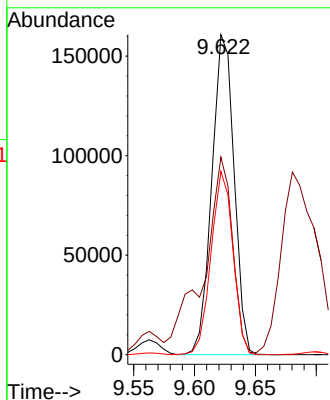
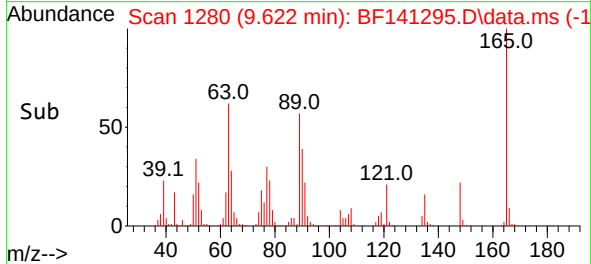
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



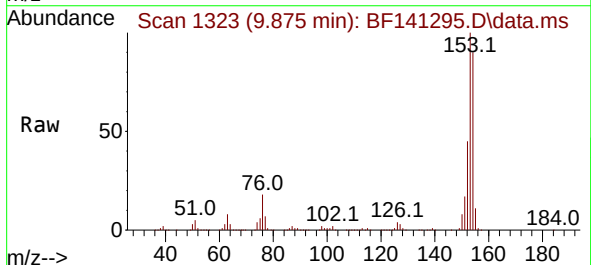
Tgt Ion:165 Resp: 20491
Ion Ratio Lower Upper
165 100
63 61.7 48.1 72.1
89 57.3 44.9 67.3

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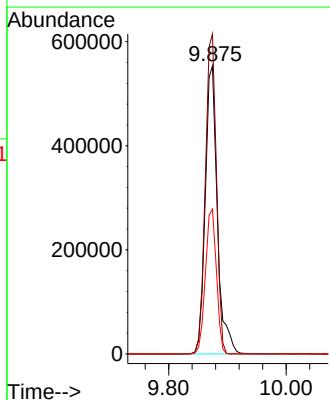
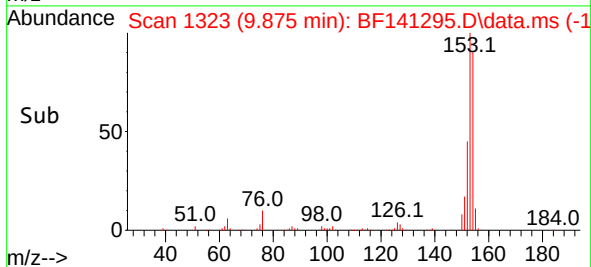
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

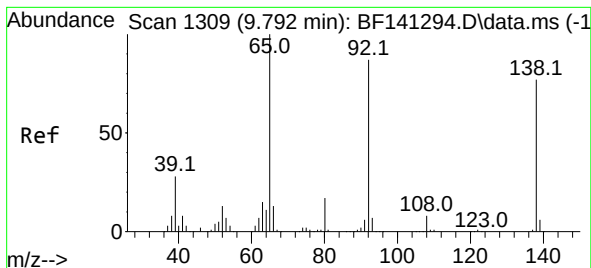


#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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





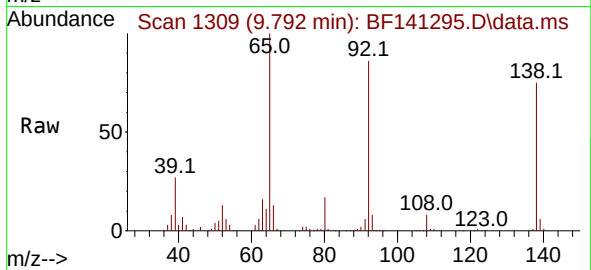
#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

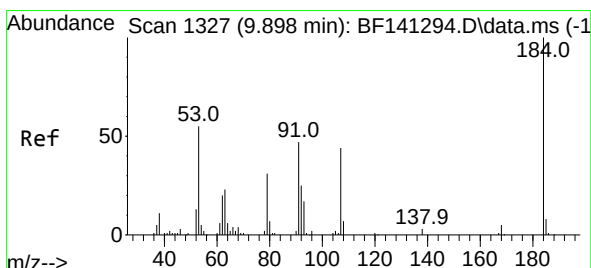
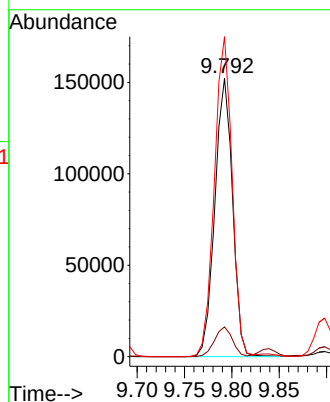
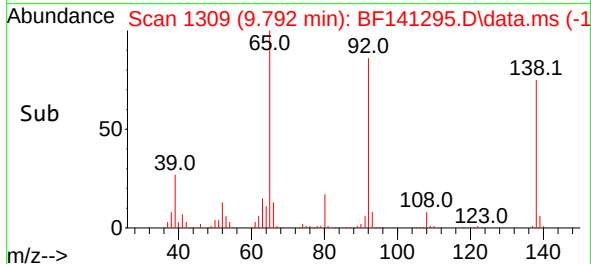
SSTDICC050



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

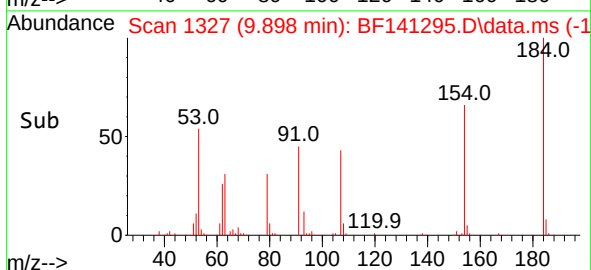
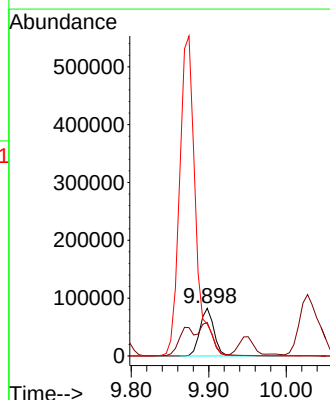
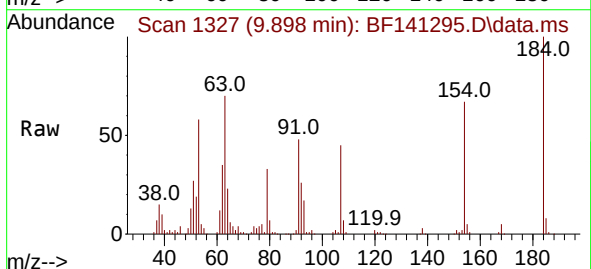
Manual Integrations
APPROVED

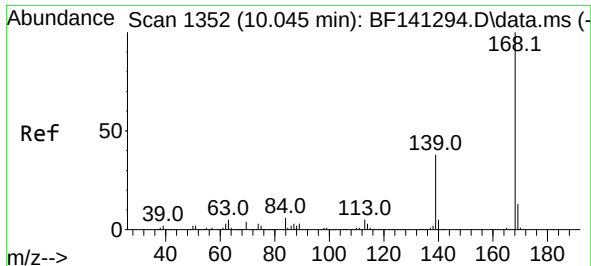
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

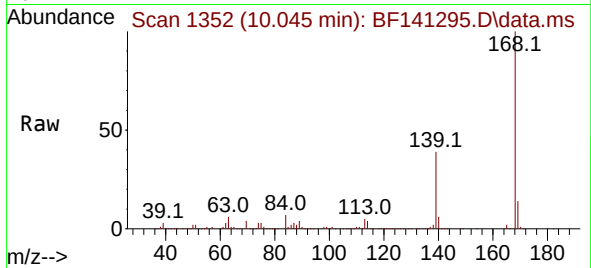
Tgt Ion:184 Resp: 105313
Ion Ratio Lower Upper
184 100
63 70.3 54.1 81.1
154 66.8 50.7 76.1





#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

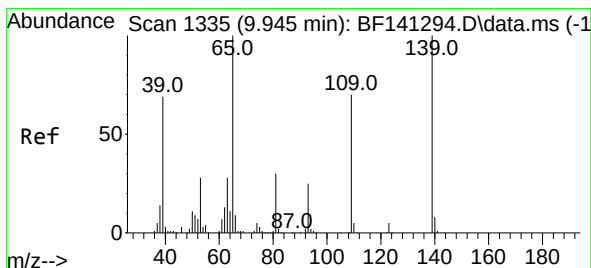
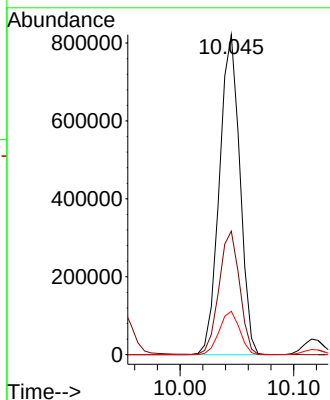
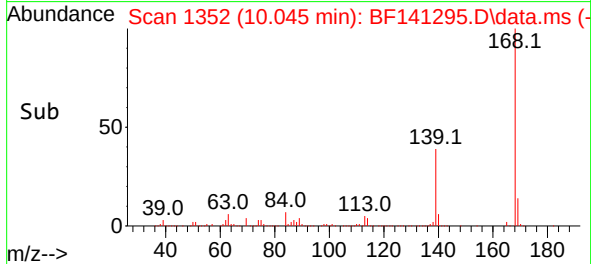
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

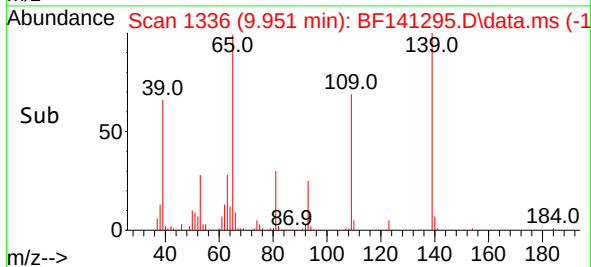
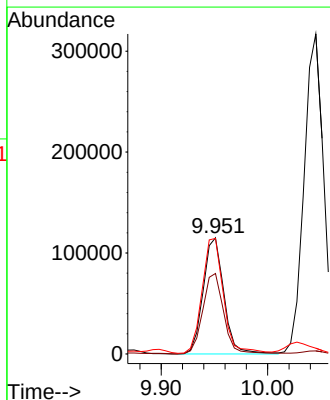
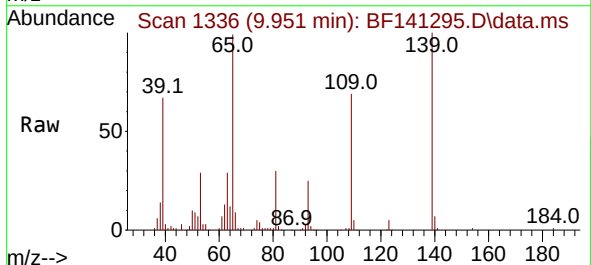
Manual Integrations
APPROVED

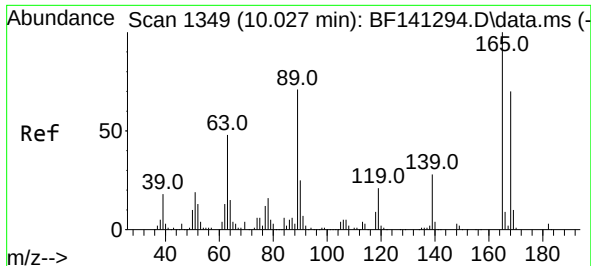
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





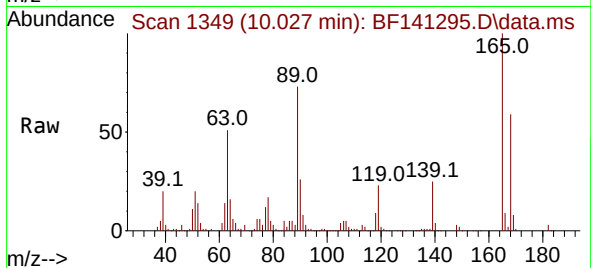
#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

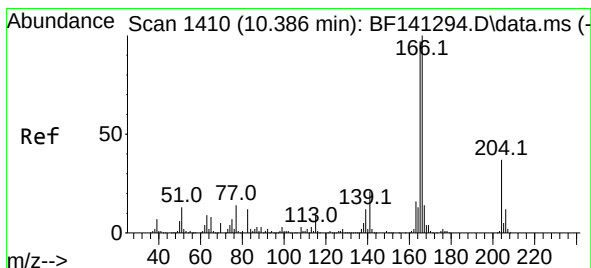
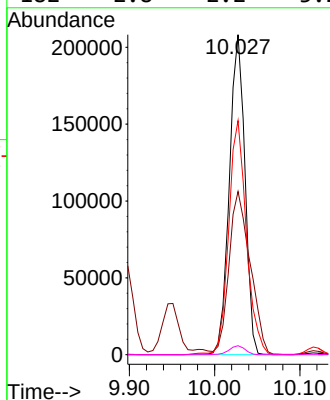
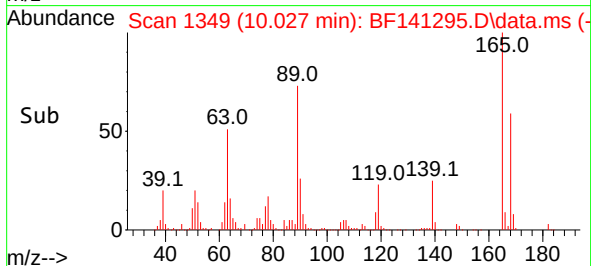
SSTDICC050



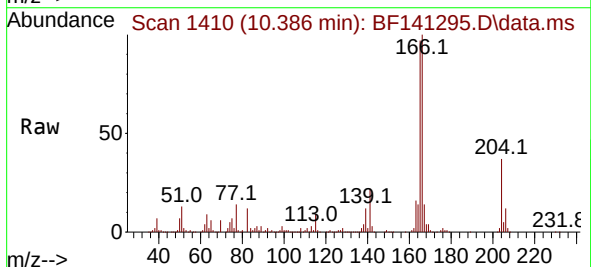
Tgt Ion:165 Resp: 26432
Ion Ratio Lower Upper
165 100
63 51.0 39.2 58.8
89 73.1 56.9 85.3
182 2.8 2.2 3.2

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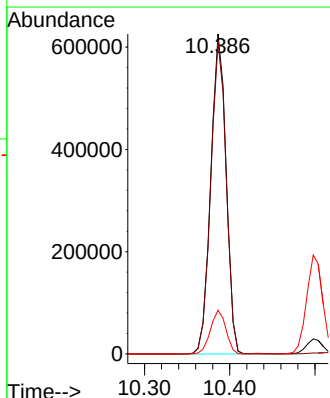
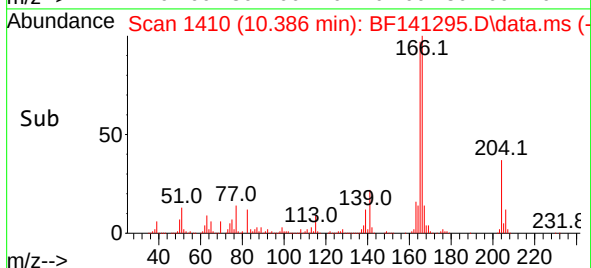
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

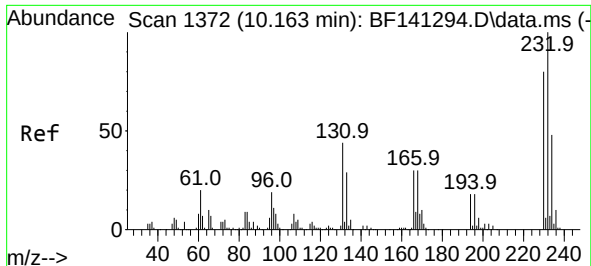


#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



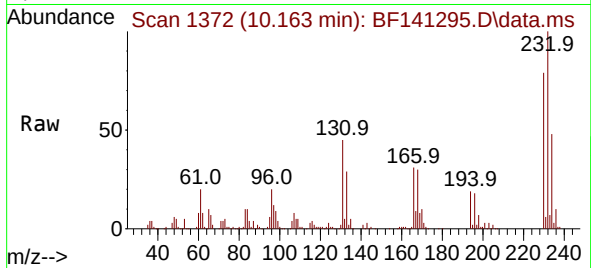
Tgt Ion:166 Resp: 784644
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.6 10.9 16.3





#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

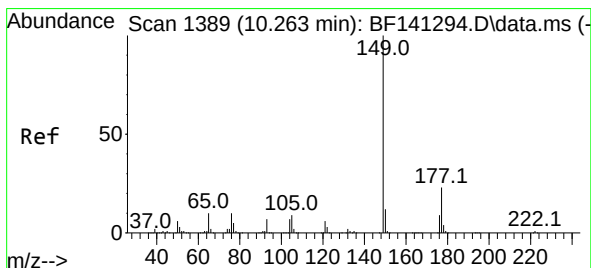
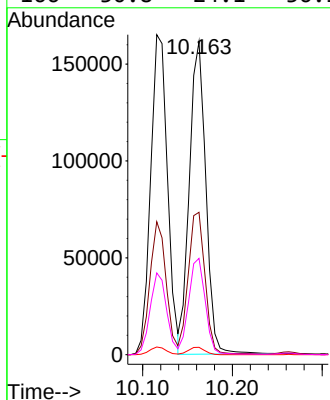
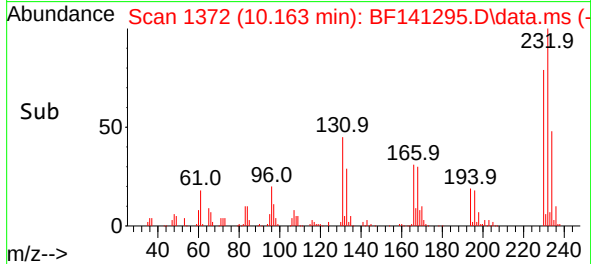
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



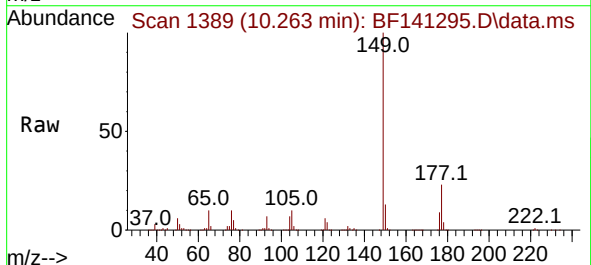
Tgt Ion:232 Resp: 205508
Ion Ratio Lower Upper
232 100
131 46.9 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

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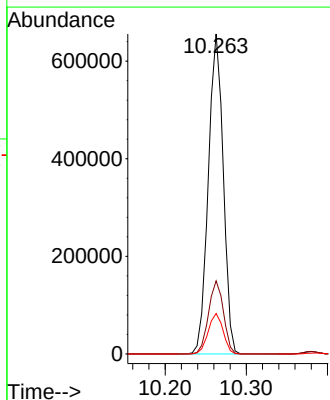
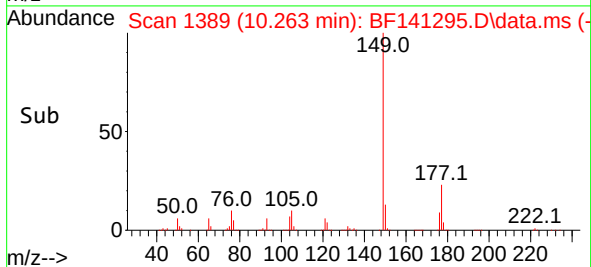
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

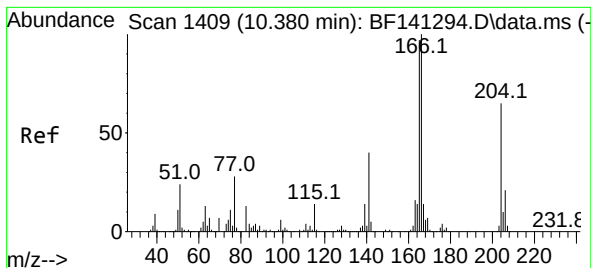


#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



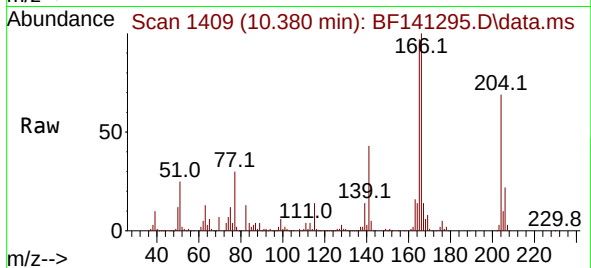
Tgt Ion:149 Resp: 834803
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#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

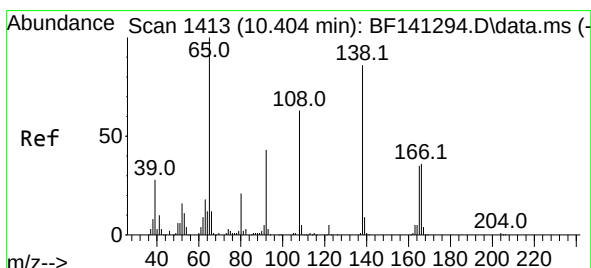
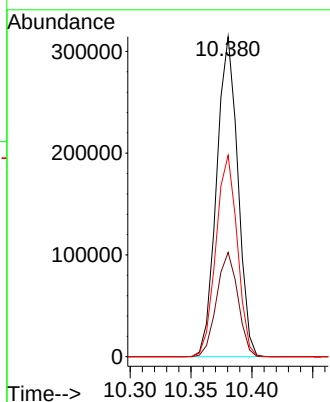
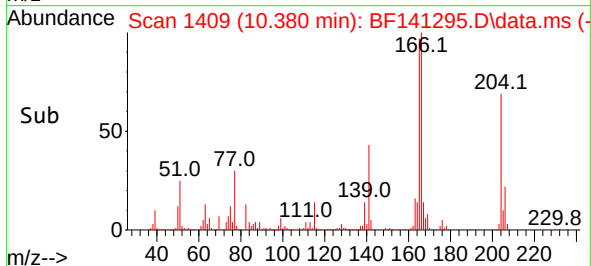
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



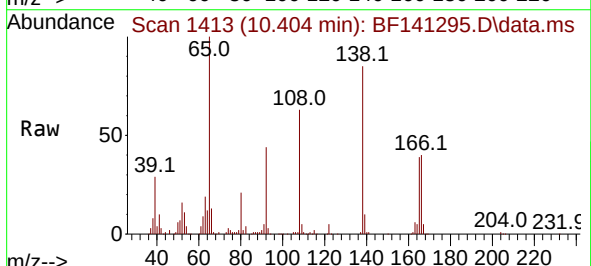
Tgt Ion:204 Resp: 38094
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.9 49.5 74.3

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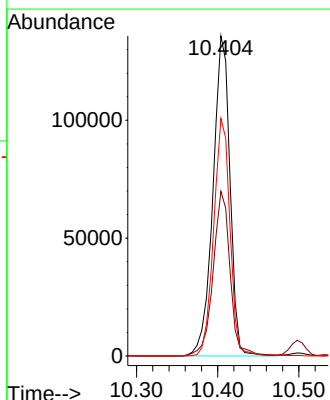
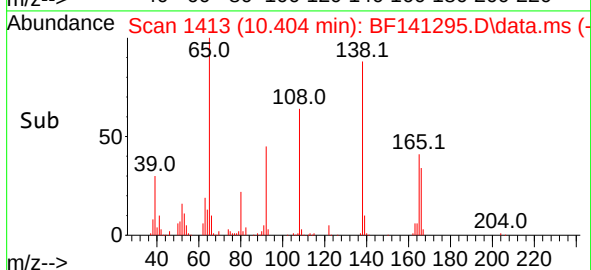
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

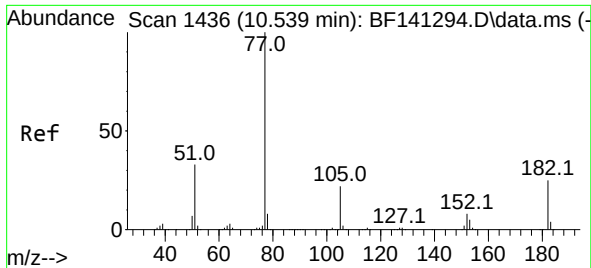


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



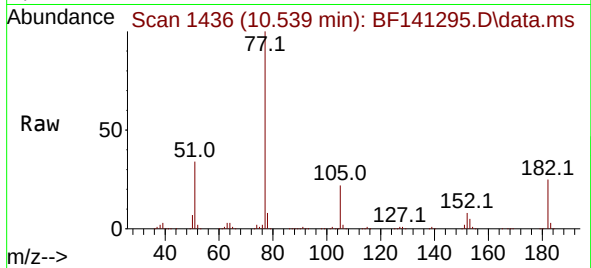
Tgt Ion:138 Resp: 198241
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 74.2 53.1 93.1





#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

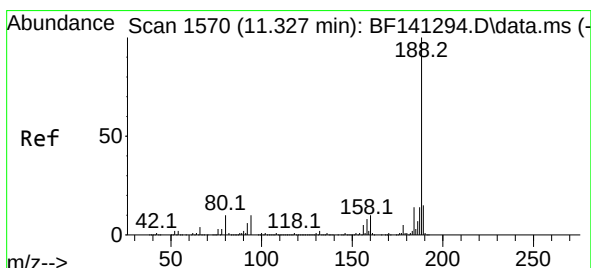
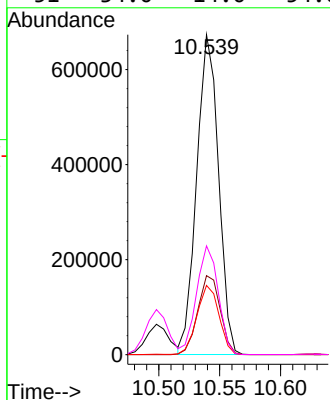
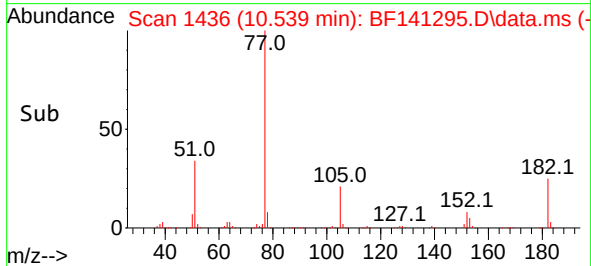
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



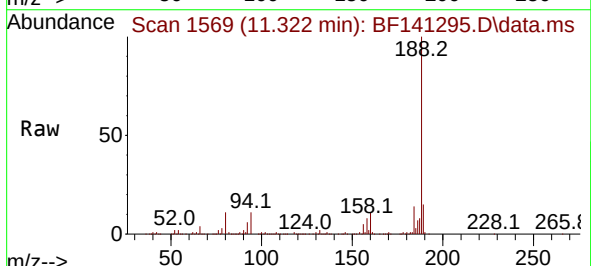
Tgt Ion: 77 Resp: 84179
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 21.7 1.8 41.8
51 34.0 14.0 54.0

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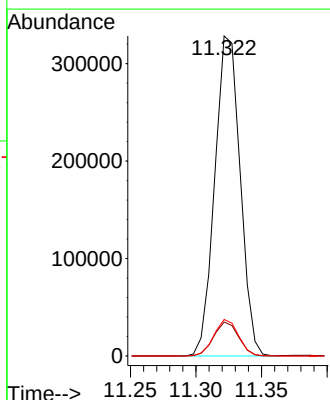
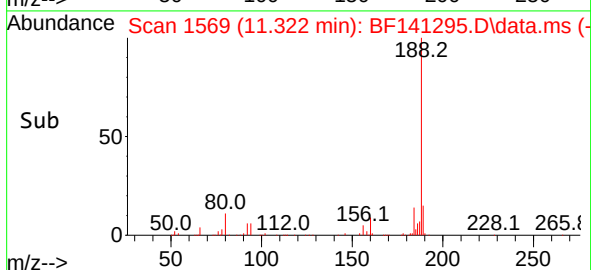
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

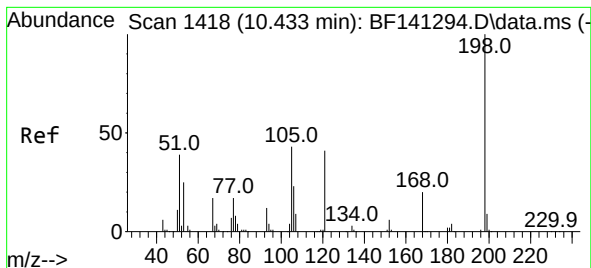


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



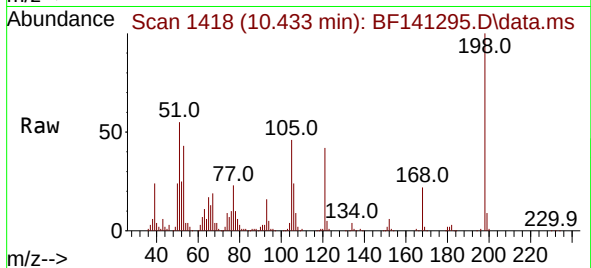
Tgt Ion:188 Resp: 442506
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4





#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

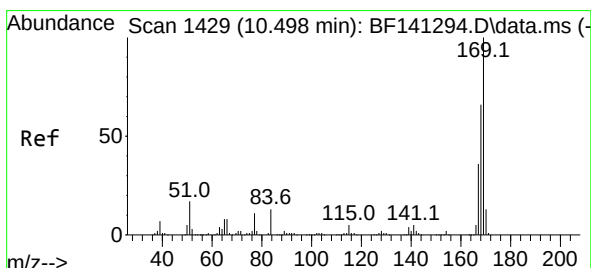
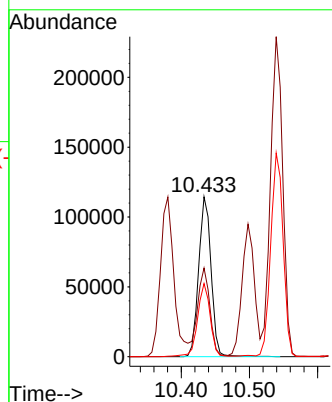
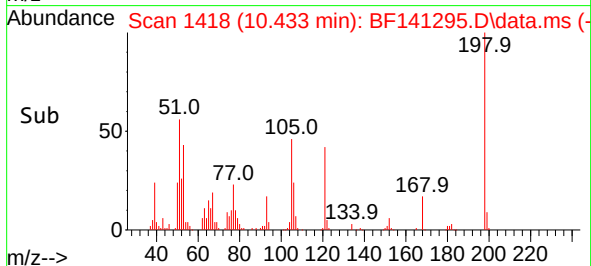
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



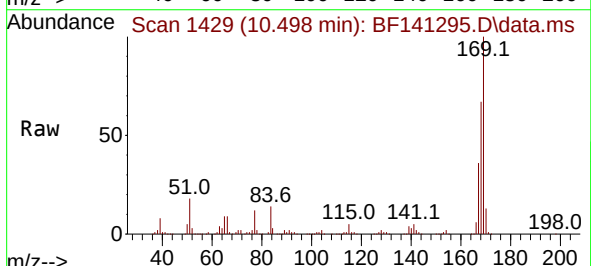
Tgt Ion:198 Resp: 144574
Ion Ratio Lower Upper
198 100
51 55.4 33.4 73.4
105 45.8 24.4 64.4

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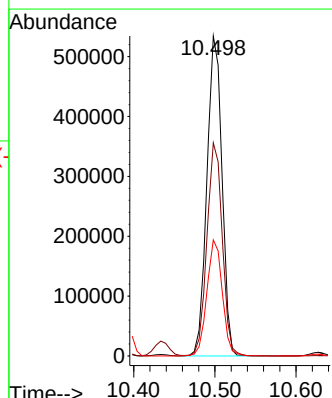
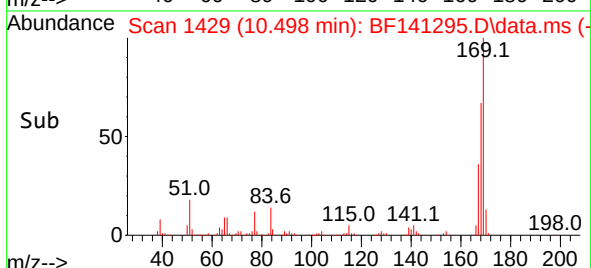
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

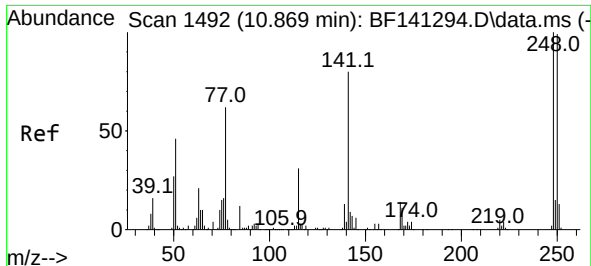


#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



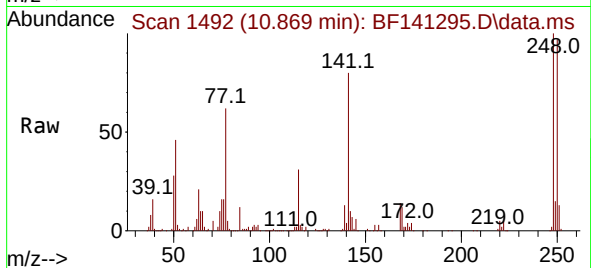
Tgt Ion:169 Resp: 688202
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.2 28.8 43.2





#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

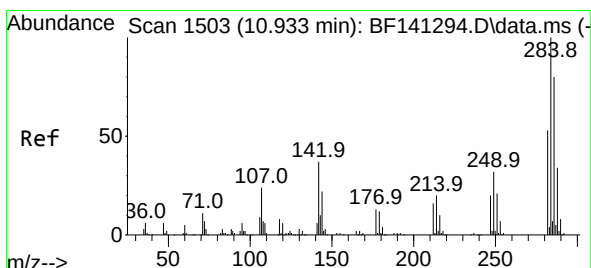
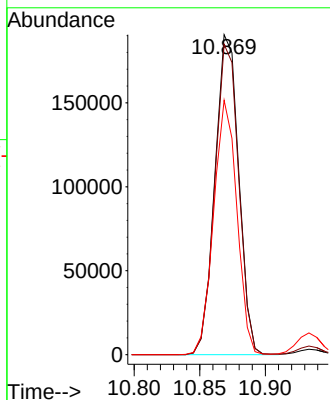
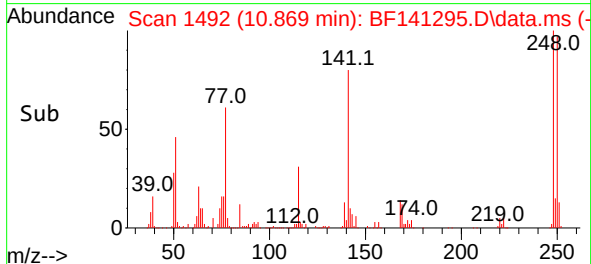
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



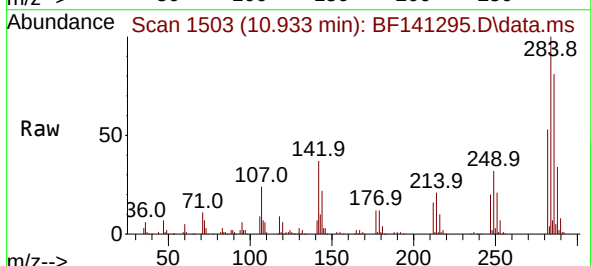
Tgt Ion:248 Resp: 24112
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 79.5 63.7 95.5

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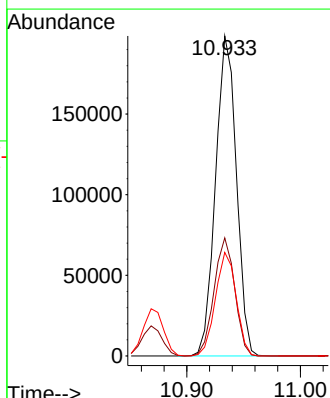
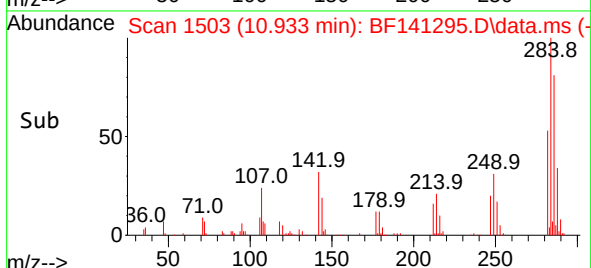
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

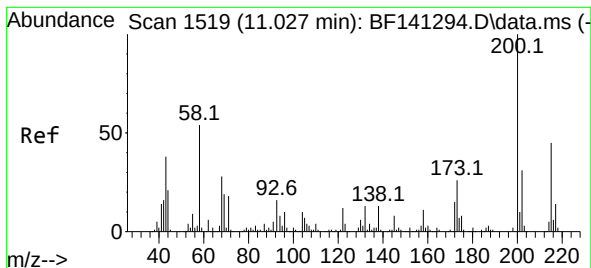


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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 :

SSTDICC050

Tgt Ion:200 Resp: 23799

Ion Ratio Lower Upper

200 100

173 25.9 5.9 45.9

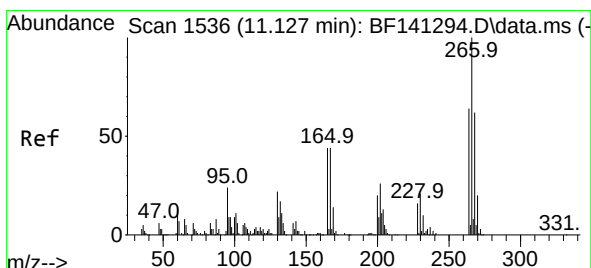
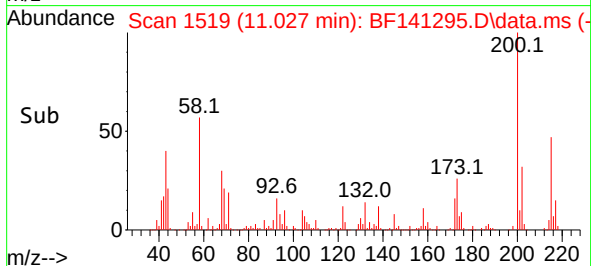
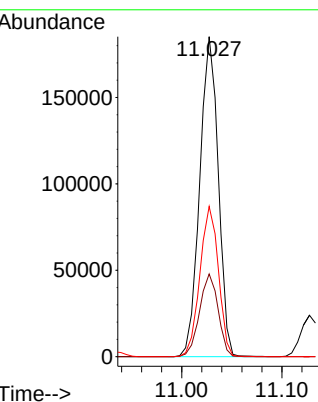
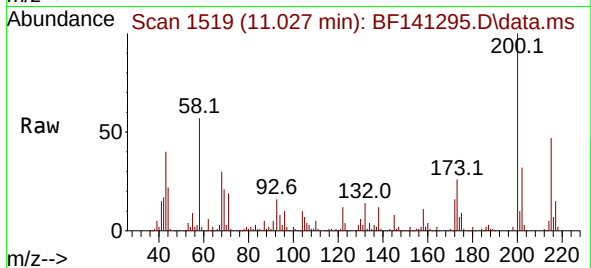
215 46.9 25.2 65.2

Manual Integrations

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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

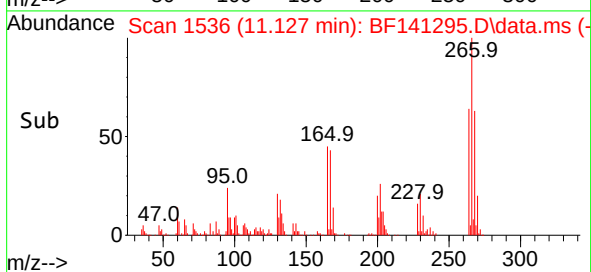
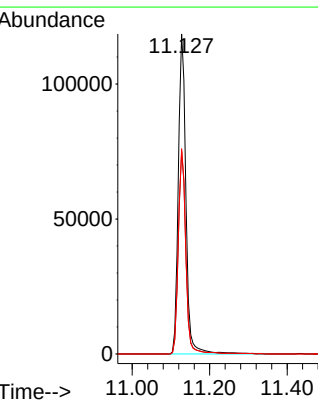
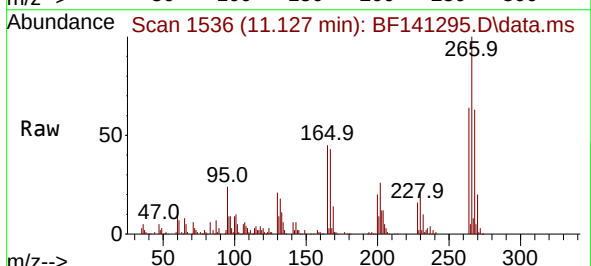
Tgt Ion:266 Resp: 161568

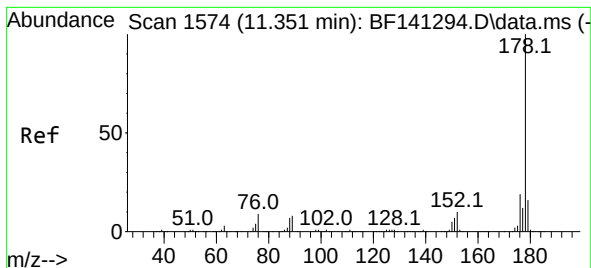
Ion Ratio Lower Upper

266 100

268 63.3 49.9 74.9

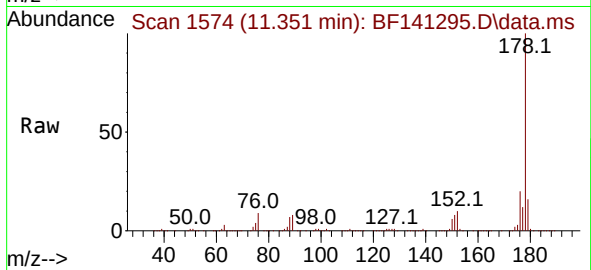
264 64.1 51.0 76.4





#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

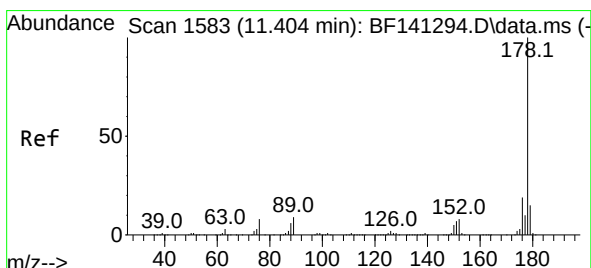
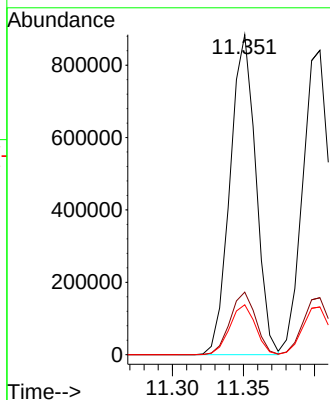
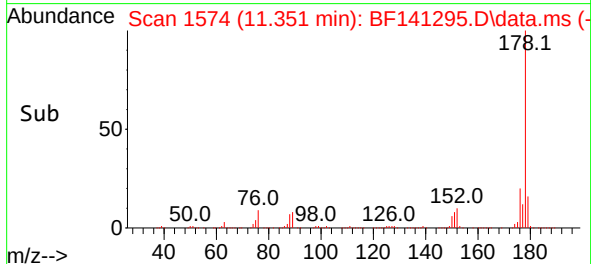
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



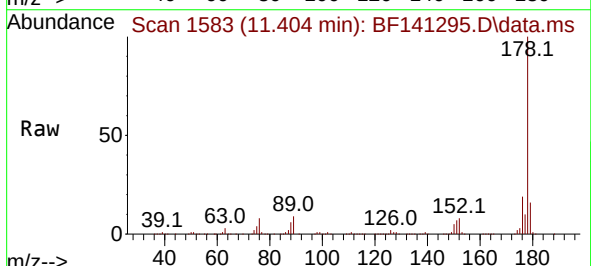
Tgt Ion:178 Resp: 1114920
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7

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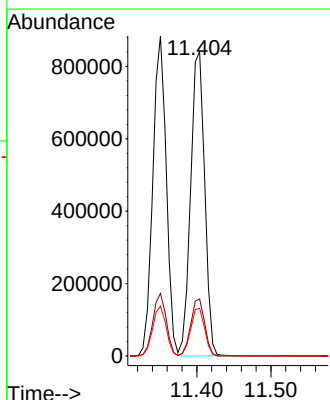
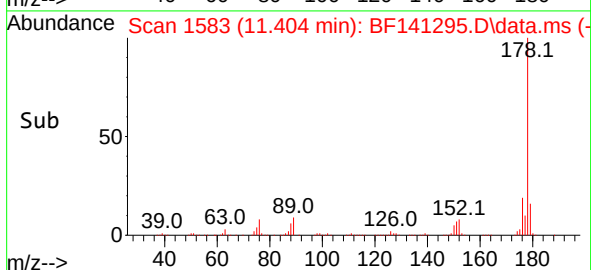
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

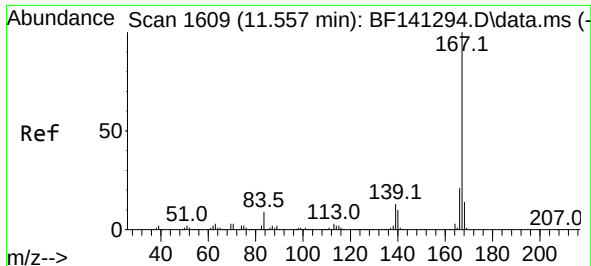


#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



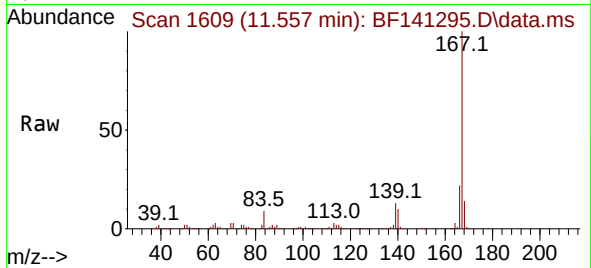
Tgt Ion:178 Resp: 1105681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#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

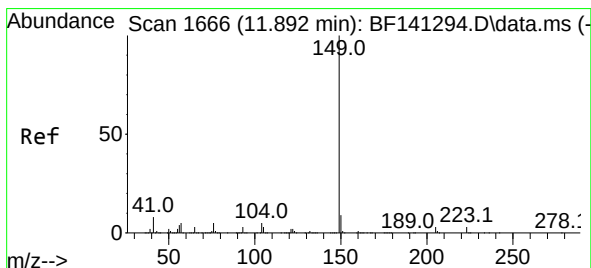
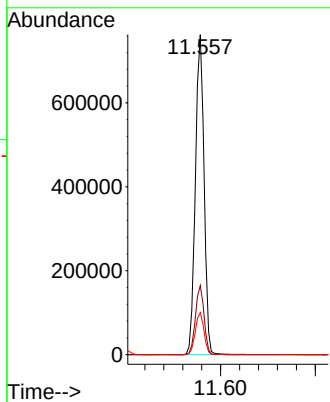
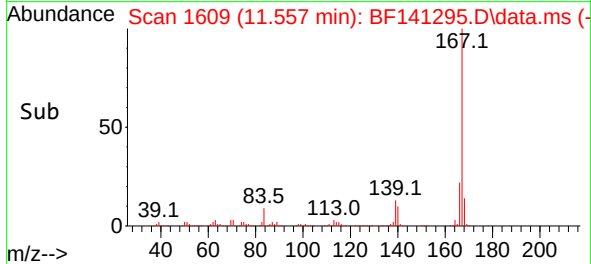
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050



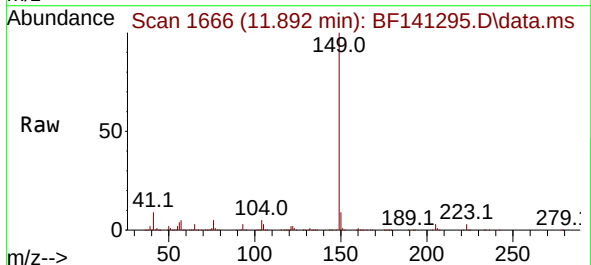
Tgt Ion:167 Resp: 97154
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.1 10.6 16.0

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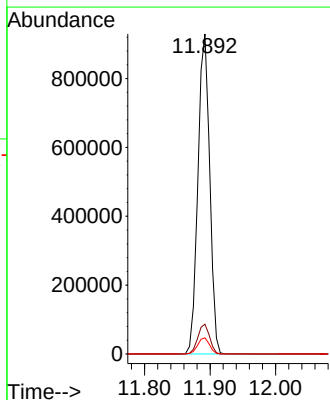
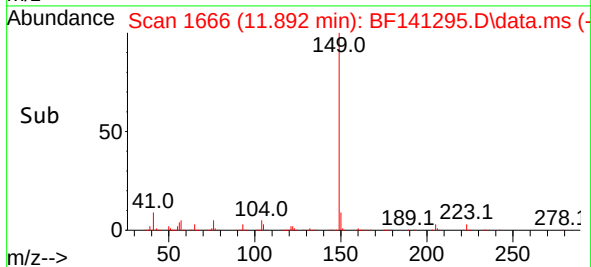
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

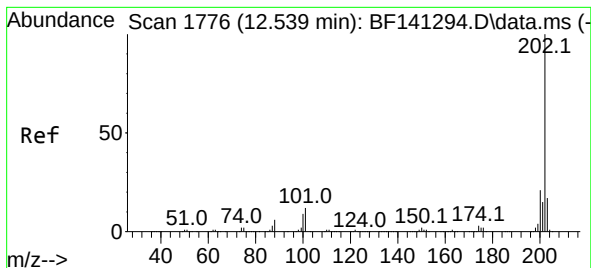


#74
 Di-n-butylphthalate
 Concen: 46.961 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11



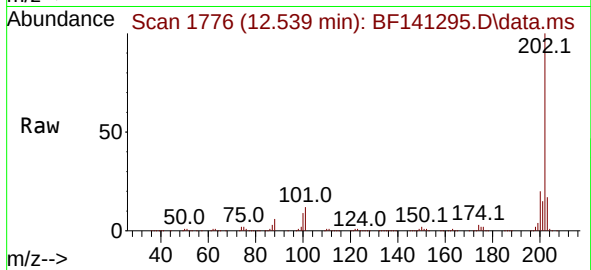
Tgt Ion:149 Resp: 1162607
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.0 3.9 5.9





#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

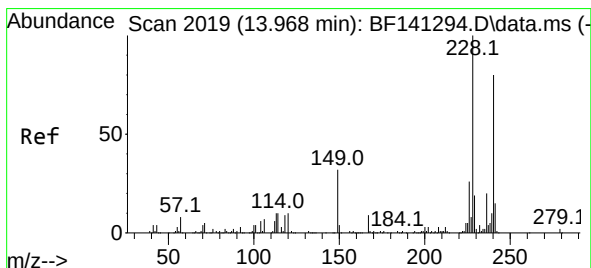
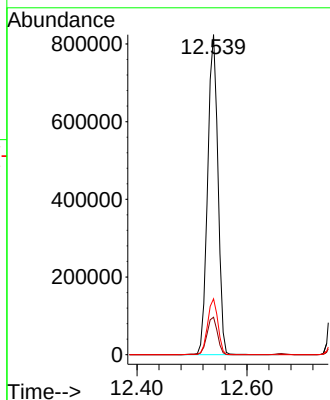
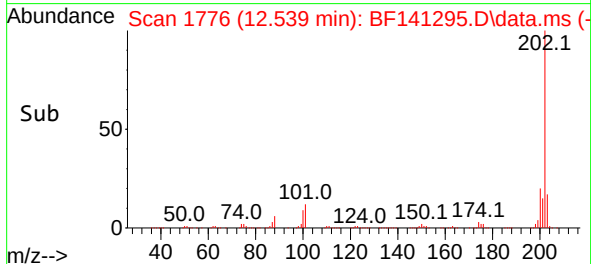
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



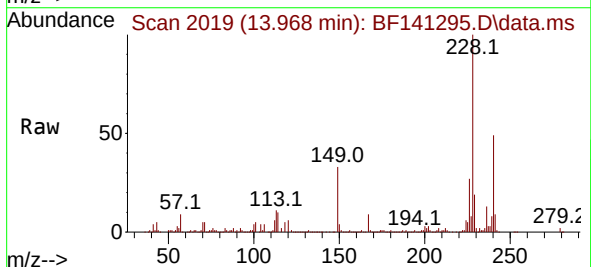
Tgt Ion:202 Resp: 1065514
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5

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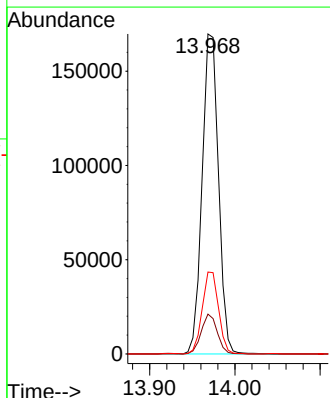
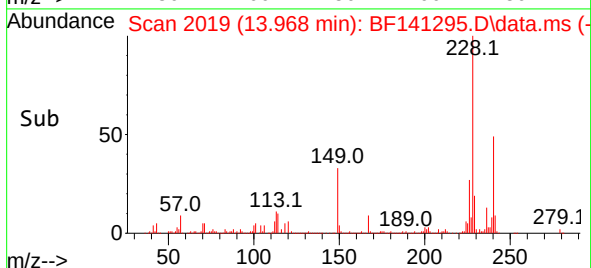
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

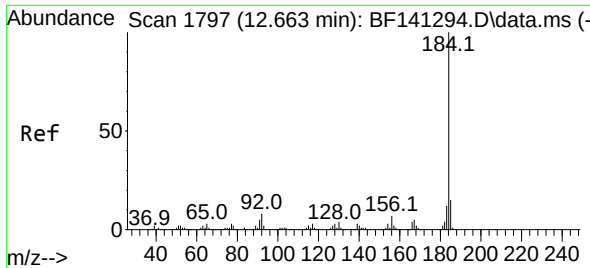


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



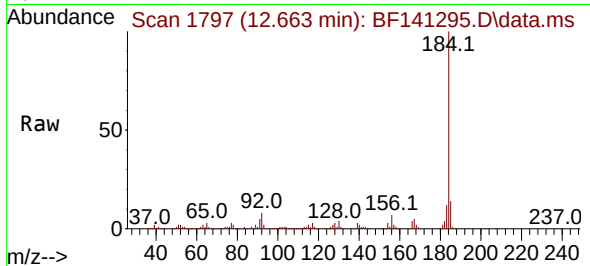
Tgt Ion:240 Resp: 226571
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.6 19.7 29.5





#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

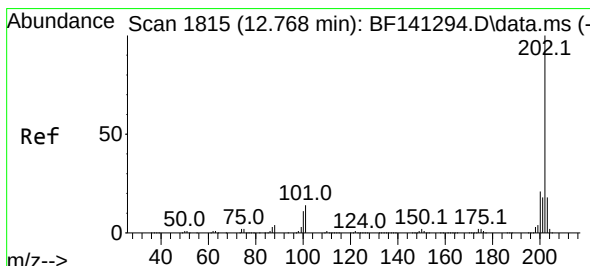
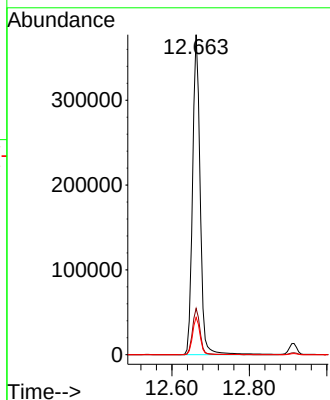
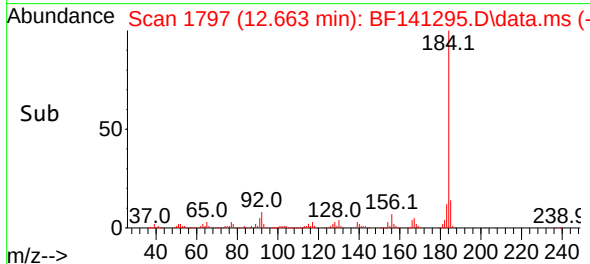
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



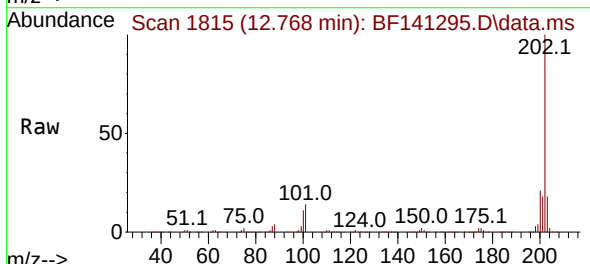
Tgt Ion:184 Resp: 51335
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.7 9.5 14.3

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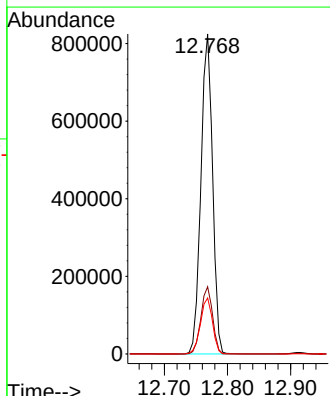
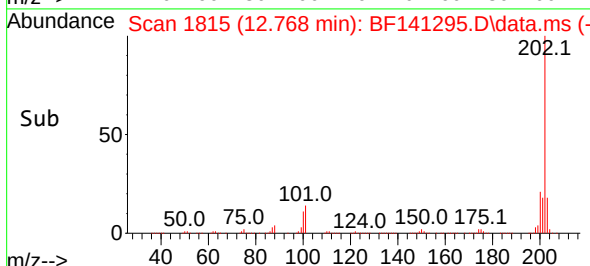
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

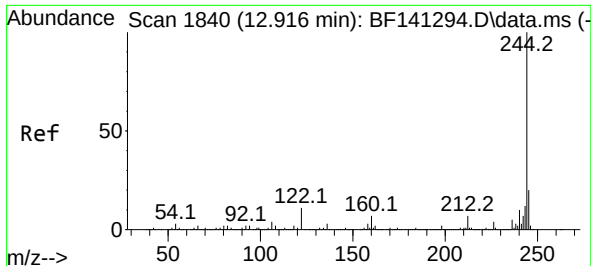


#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



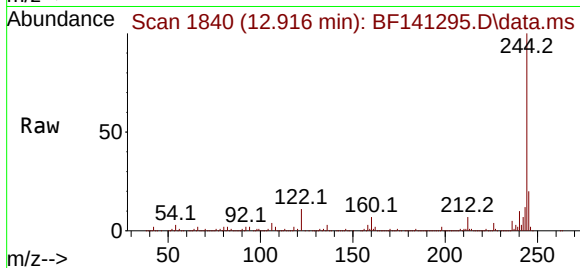
Tgt Ion:202 Resp: 1059044
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.5 14.3 21.5





#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

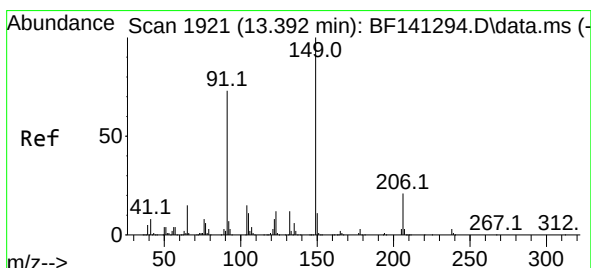
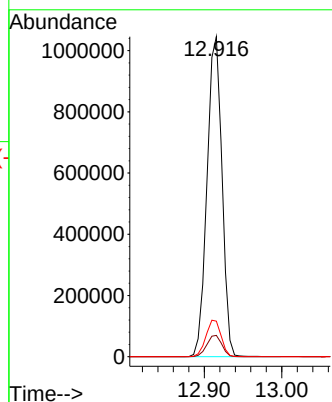
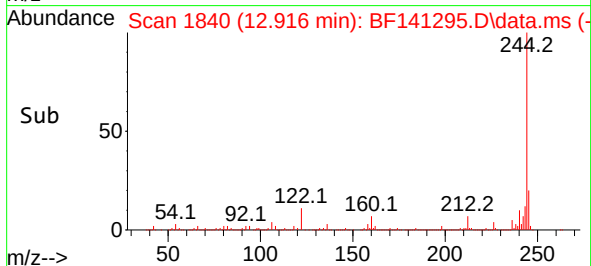
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050



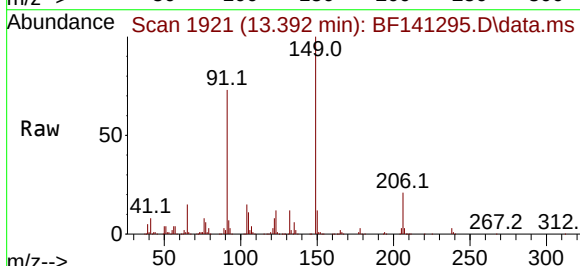
Tgt Ion:244 Resp: 140210
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.1 8.8 13.2

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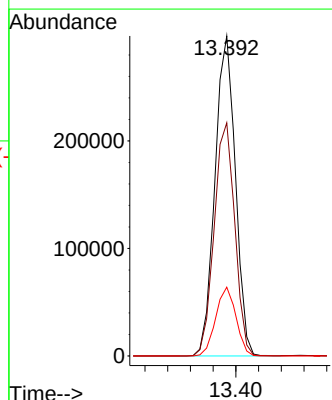
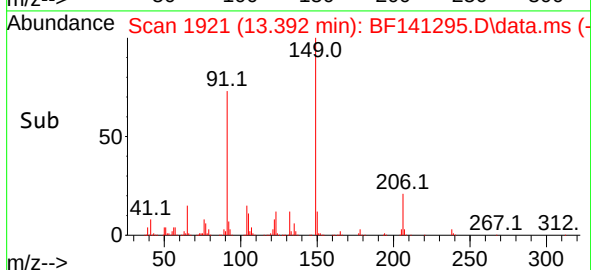
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

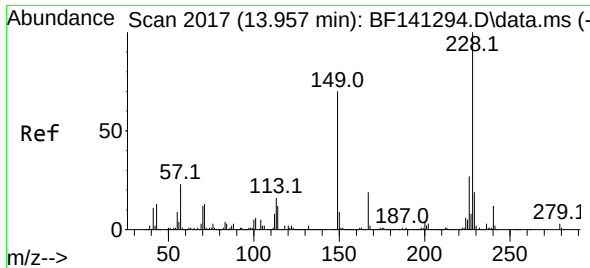


#80
 Butylbenzylphthalate
 Concen: 49.222 ng
 RT: 13.392 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11



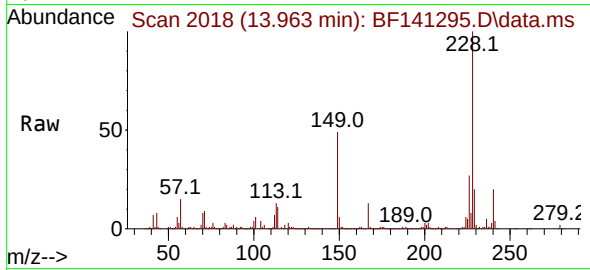
Tgt Ion:149 Resp: 371889
 Ion Ratio Lower Upper
 149 100
 91 72.9 58.6 87.8
 206 21.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

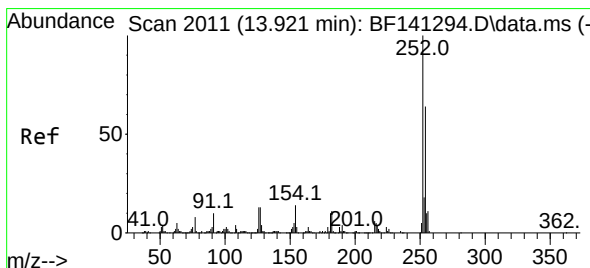
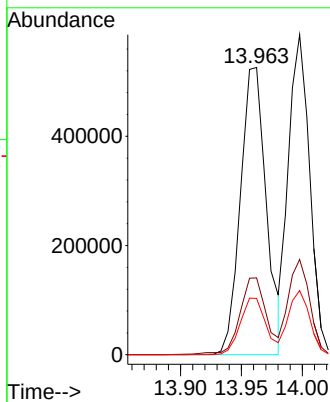
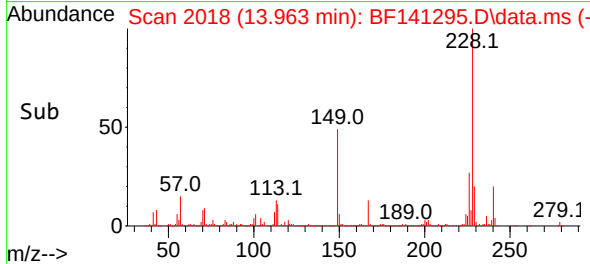
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



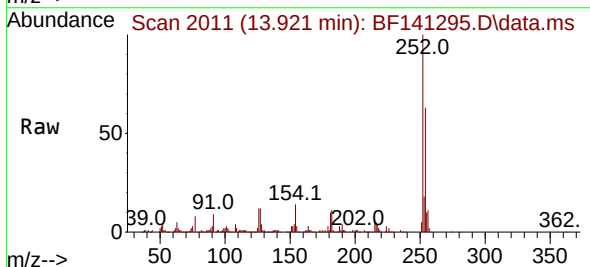
Tgt Ion:228 Resp: 77892
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.5 23.3

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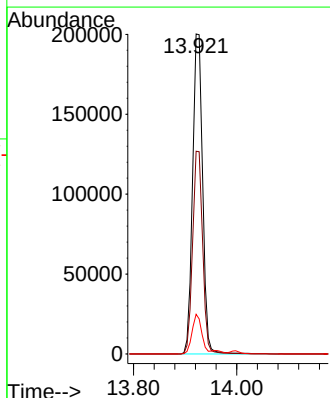
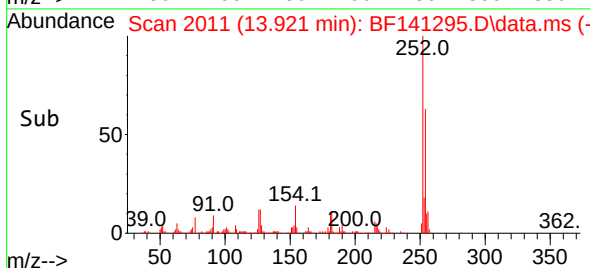
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

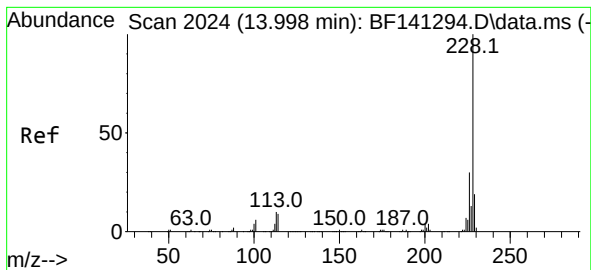


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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 :

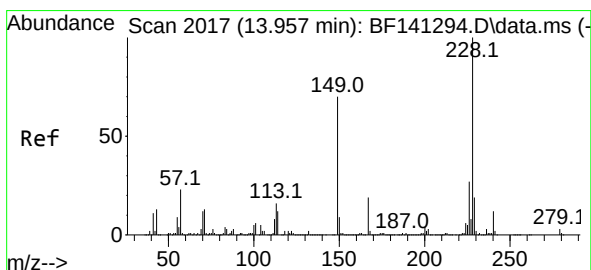
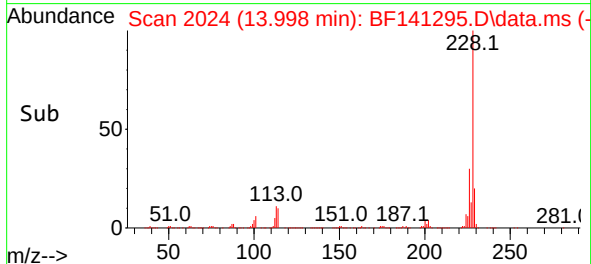
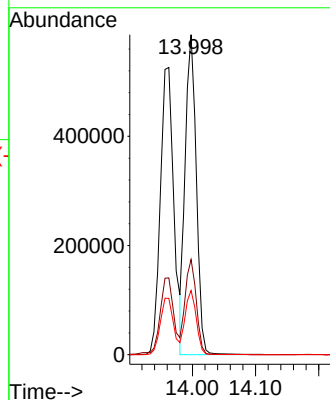
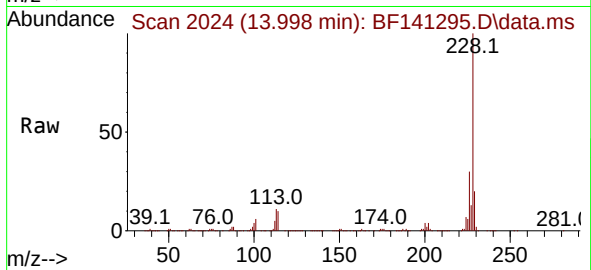
SSTDICC050

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

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.620 ng

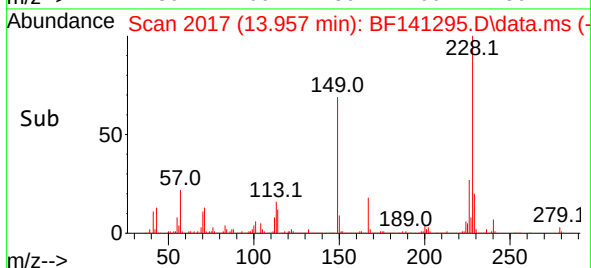
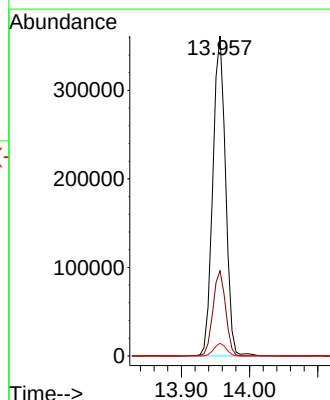
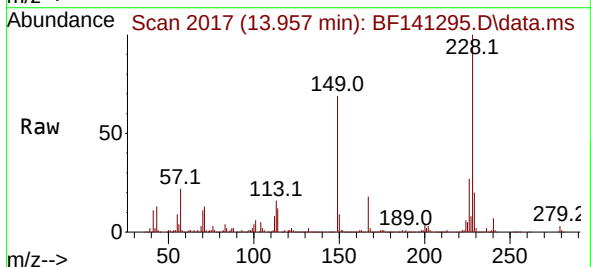
RT: 13.957 min Scan# 2017

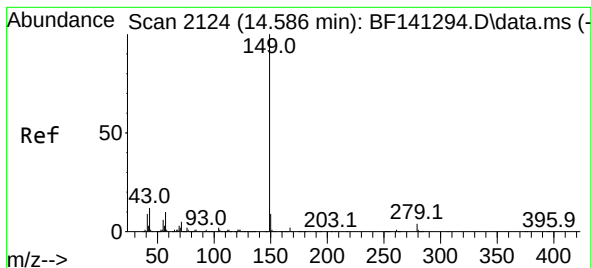
Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

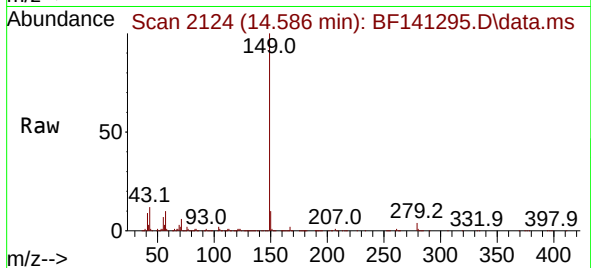
Tgt Ion:149 Resp: 470441
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.8 32.8
 279 3.9 3.3 4.9





#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

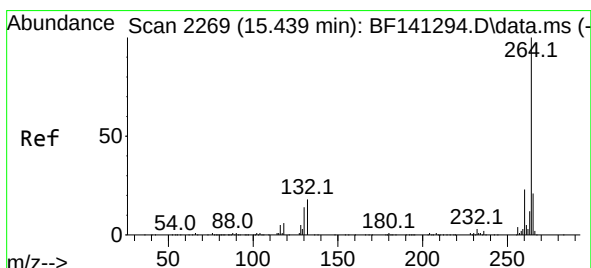
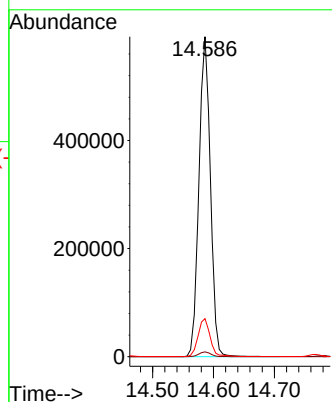
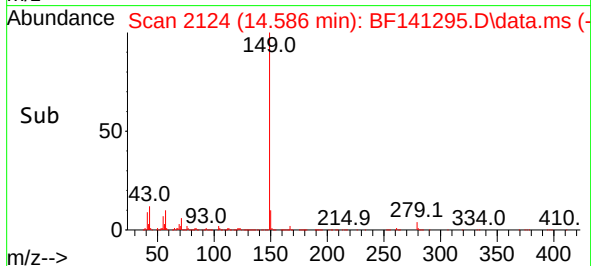
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



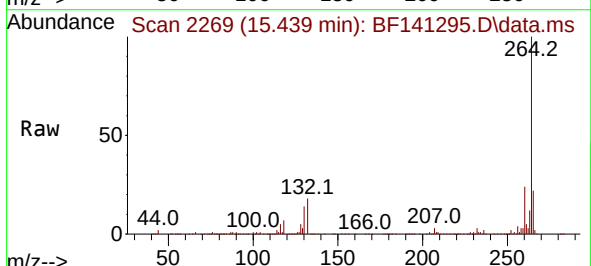
Tgt Ion:149 Resp: 77303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

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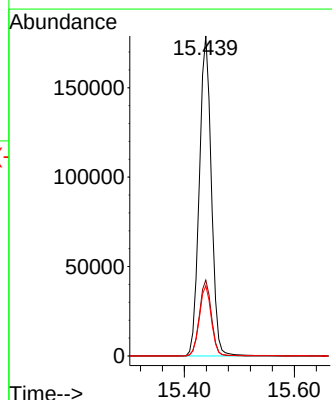
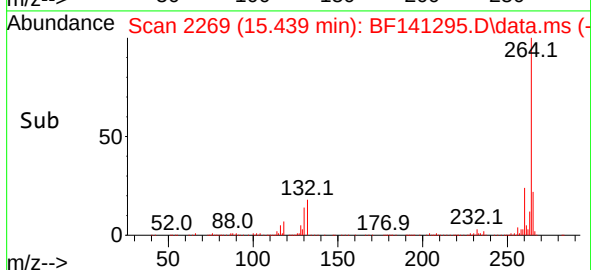
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

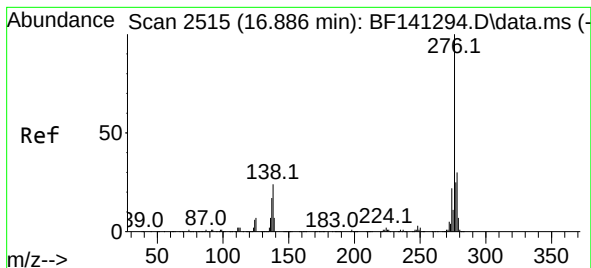


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



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

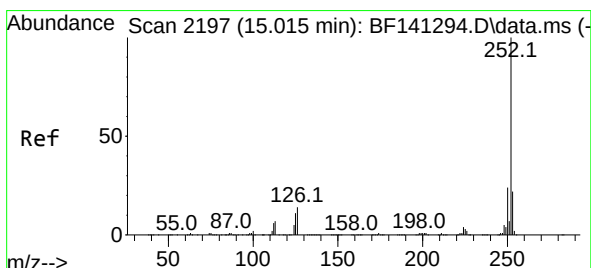
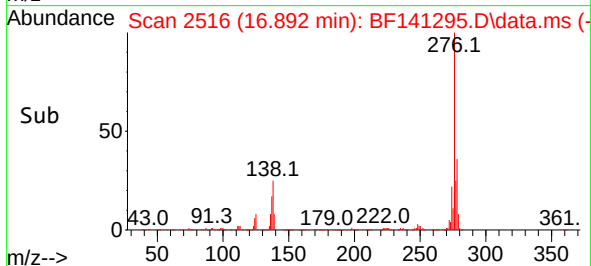
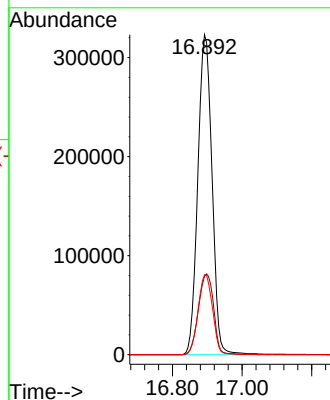
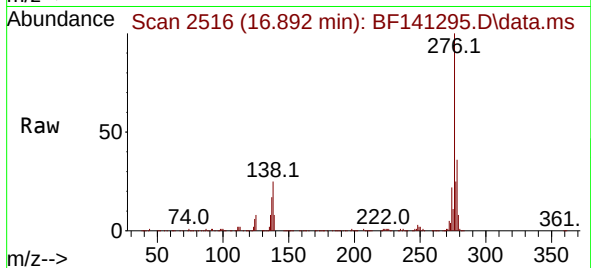
ClientSampleId :

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

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



#88

Benzo(b)fluoranthene

Concen: 50.916 ng

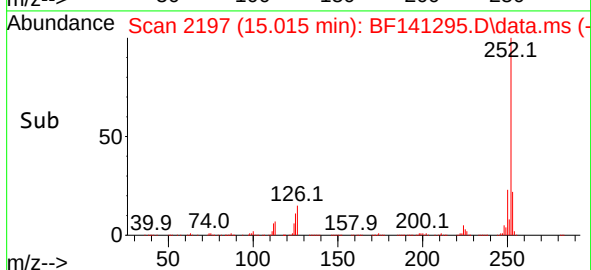
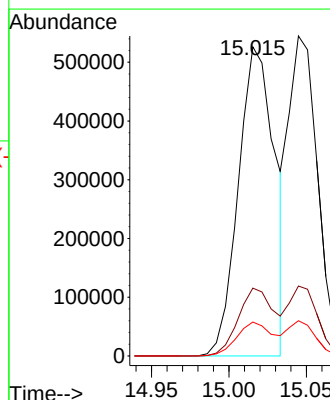
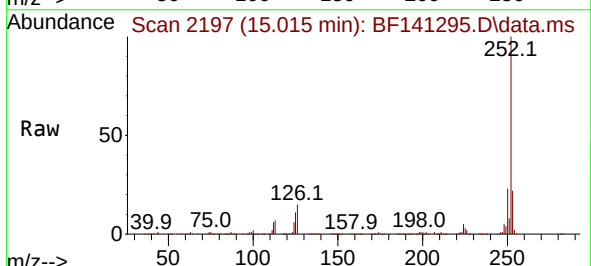
RT: 15.015 min Scan# 2197

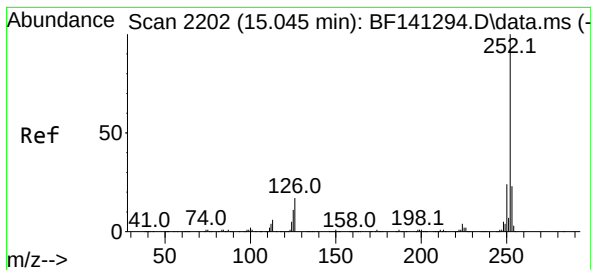
Delta R.T. 0.000 min

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

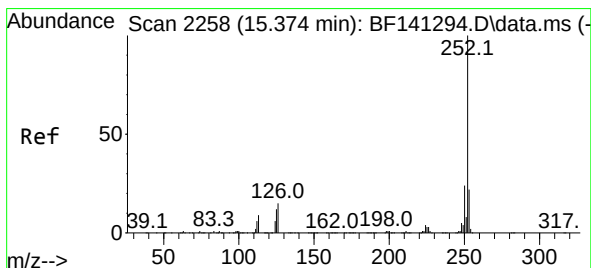
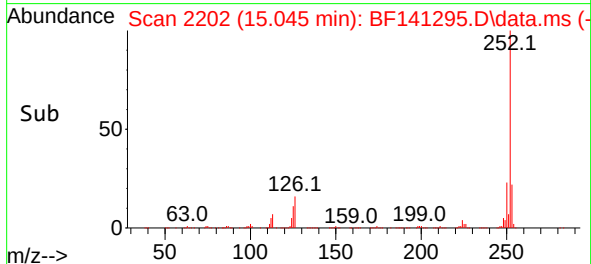
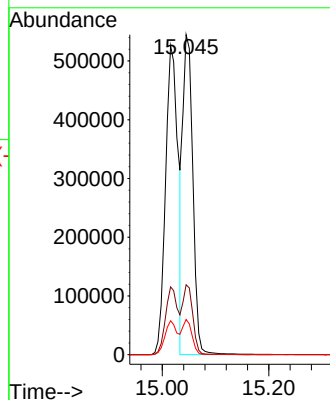
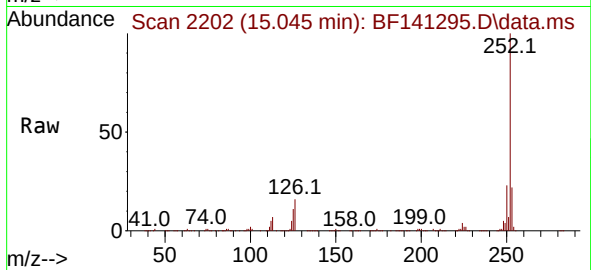
125 11.0 8.4 12.6

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

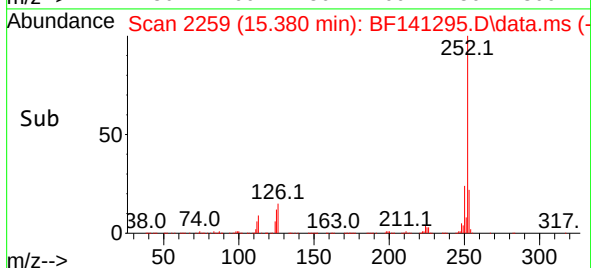
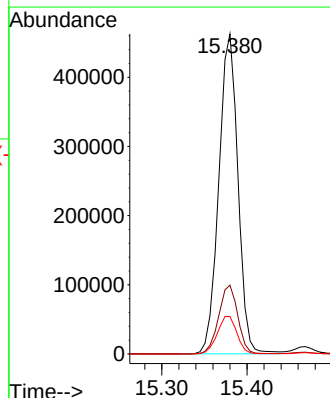
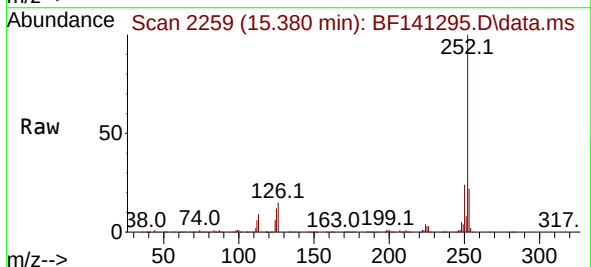
Tgt Ion:252 Resp: 721834

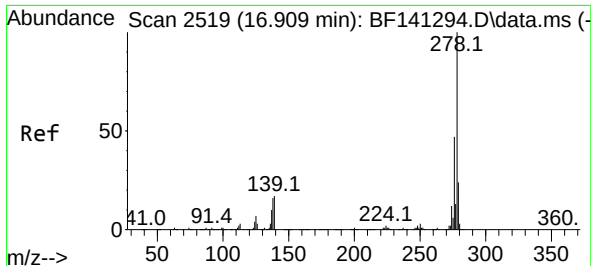
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

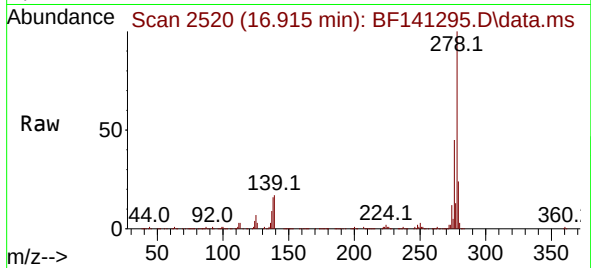
125 11.7 9.4 14.2





#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

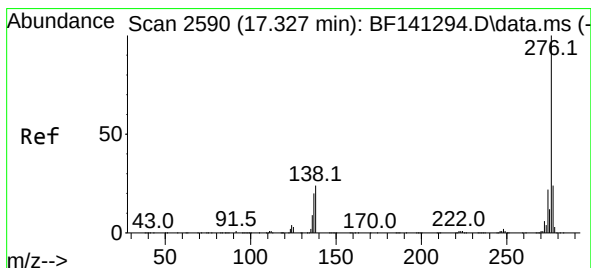
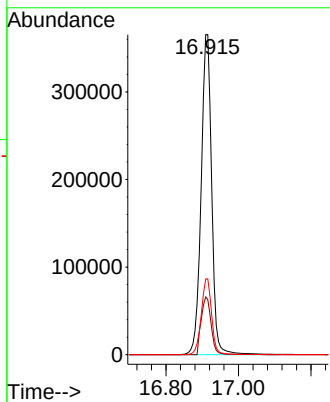
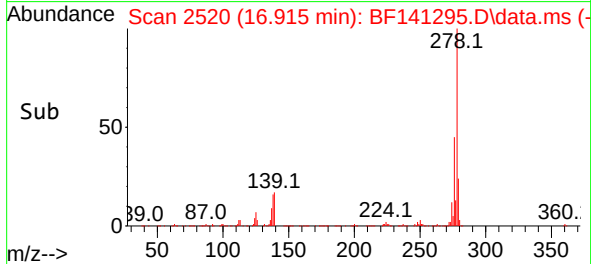
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



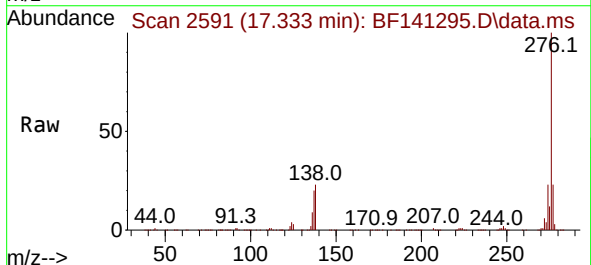
Tgt Ion:278 Resp: 73939
Ion Ratio Lower Upper
278 100
139 17.2 13.9 20.9
279 23.7 18.8 28.2

Manual Integrations
APPROVED

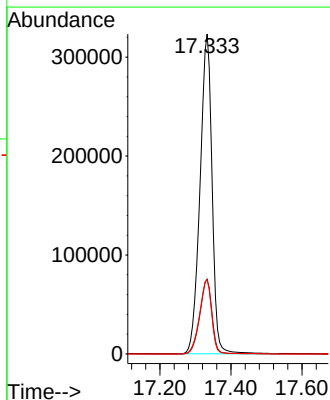
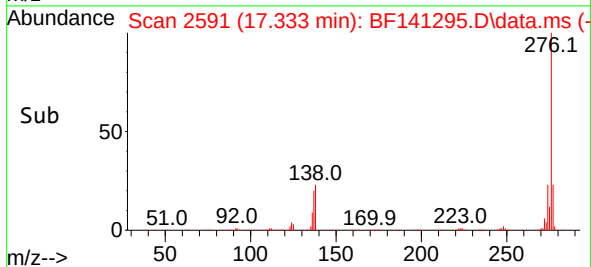
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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						
2) 1,4-Dioxane	2.487	88	213805	58.657	ng	Qvalue
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

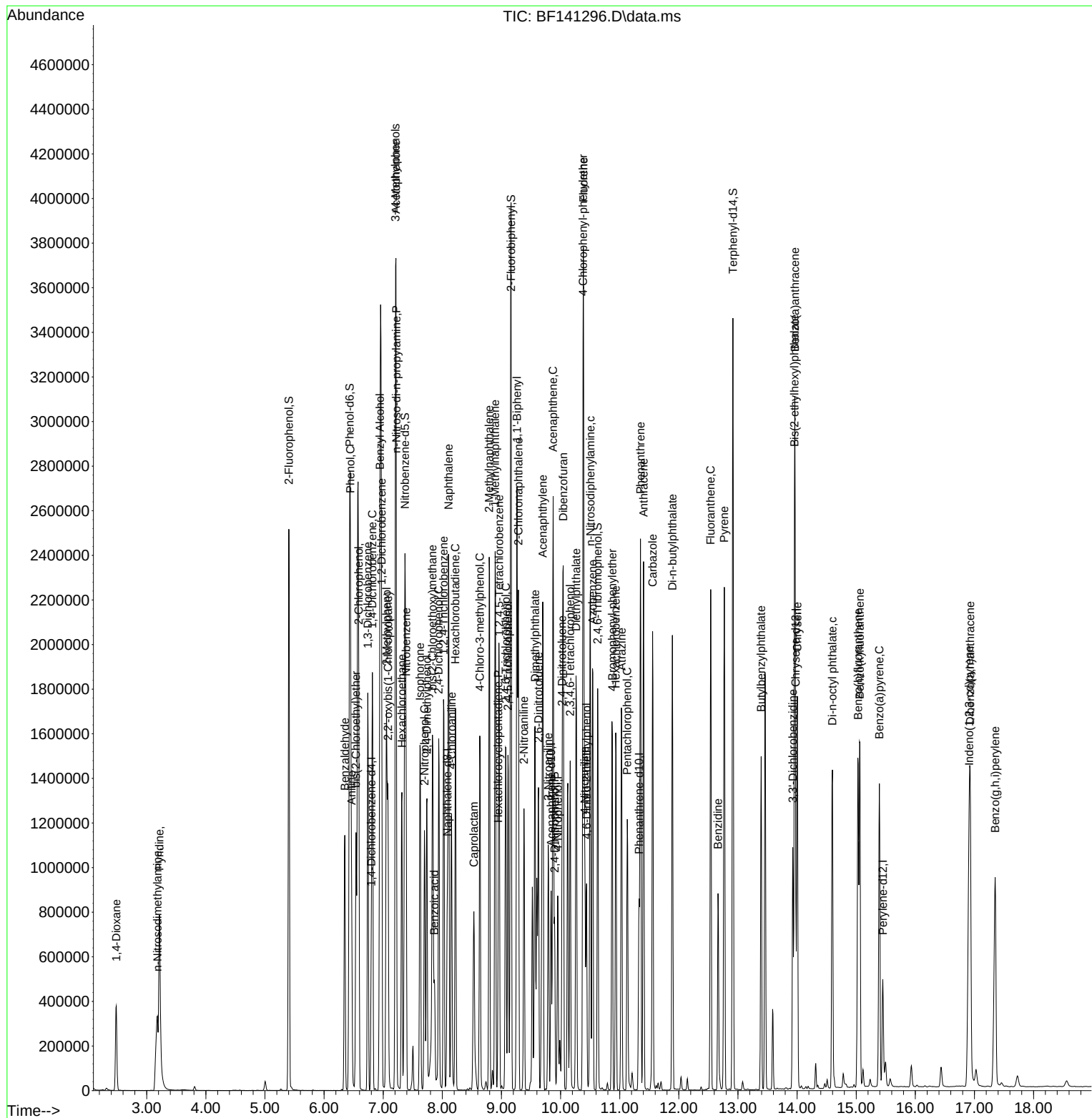
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Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

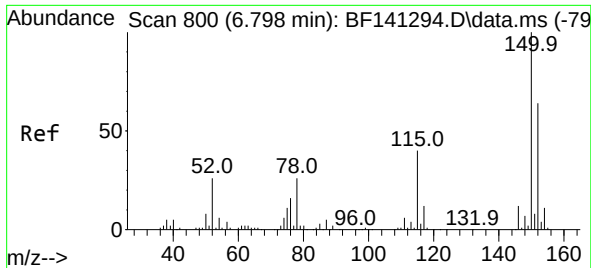
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

Manual Integrations
APPROVED

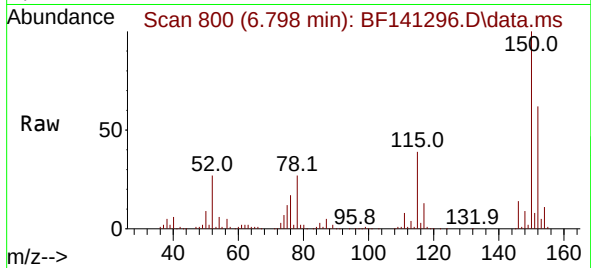
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

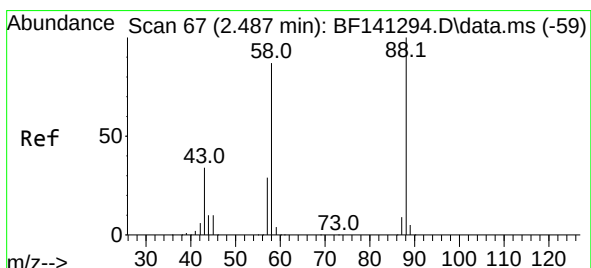
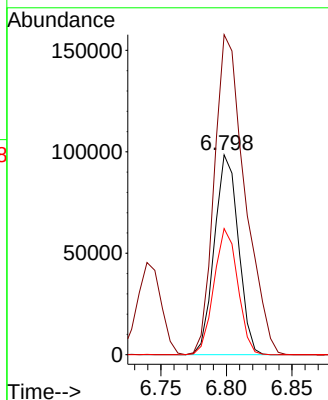
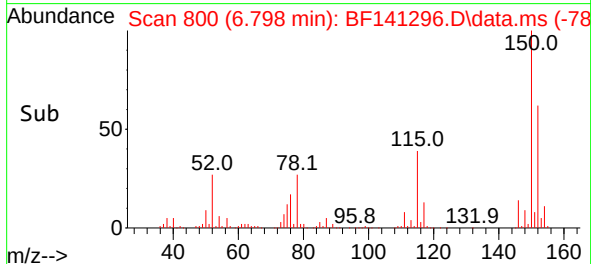
Instrument :
BNA_F
Client Sample Id :
SSTDICC060



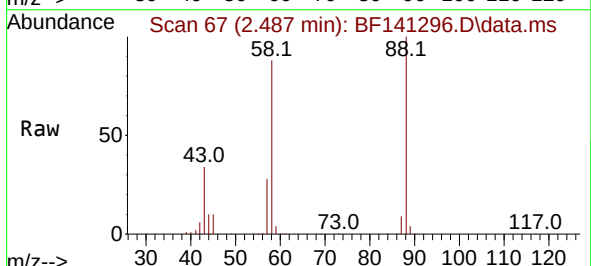
Tgt Ion: 152 Resp: 125200
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 63.2 49.7 74.5

Manual Integrations
APPROVED

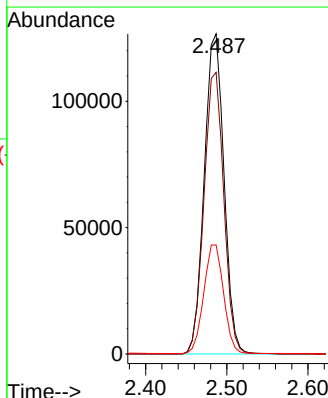
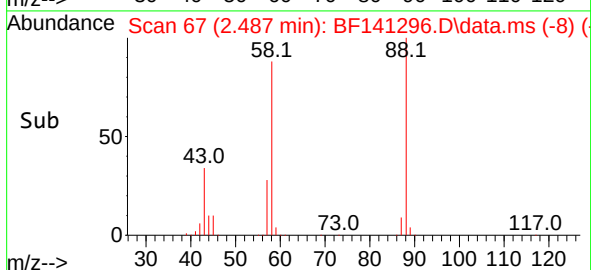
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

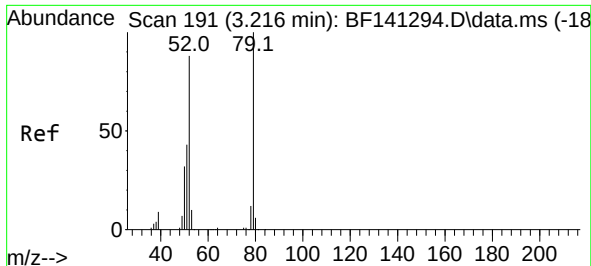


#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



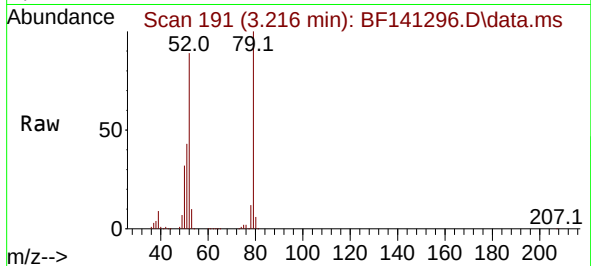
Tgt Ion: 88 Resp: 213805
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.4
43 34.0 27.6 41.4





#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

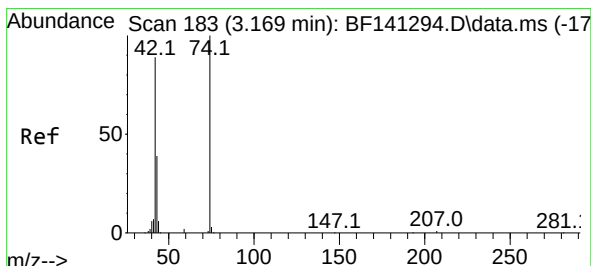
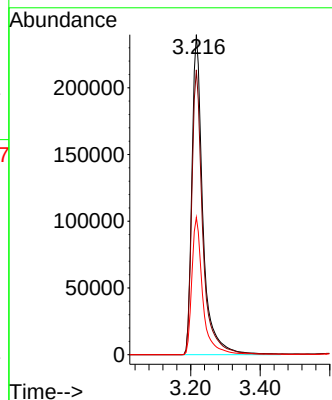
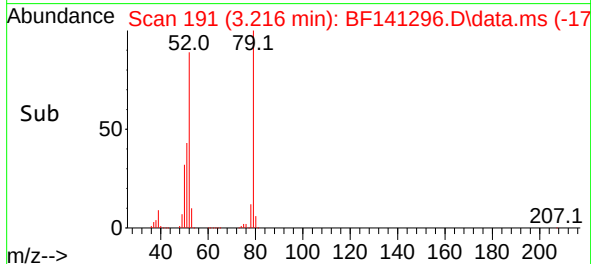
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



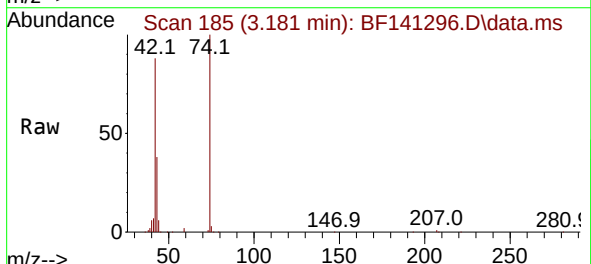
Tgt Ion: 79 Resp: 52720
Ion Ratio Lower Upper
79 100
52 89.0 70.3 105.5
51 42.9 34.3 51.5

Manual Integrations
APPROVED

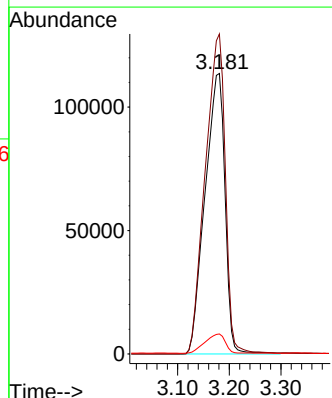
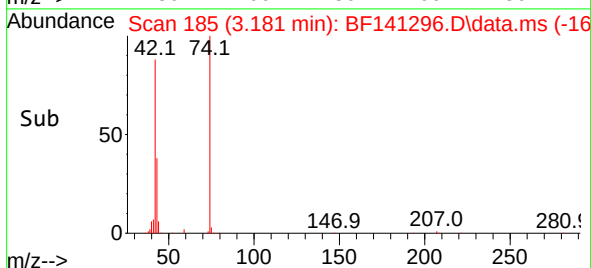
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

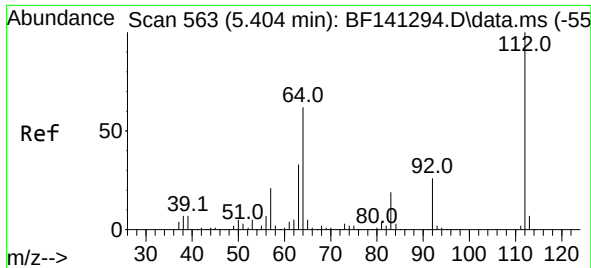


#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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





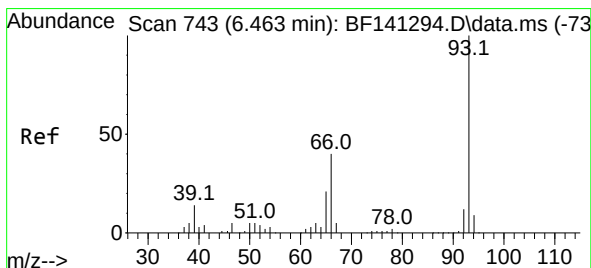
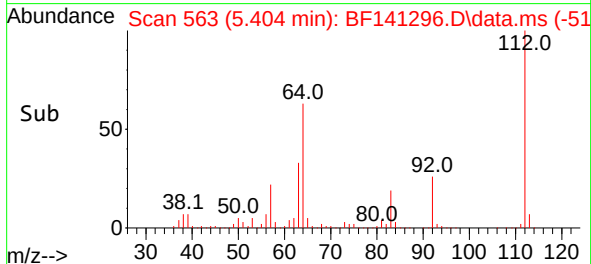
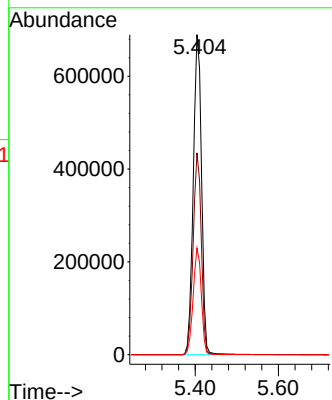
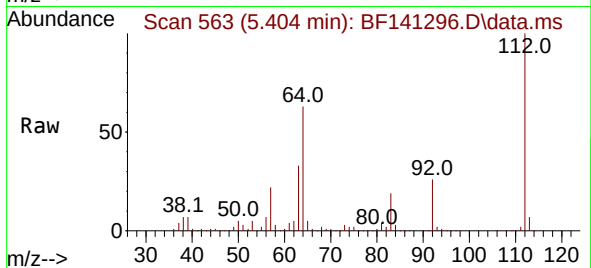
#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

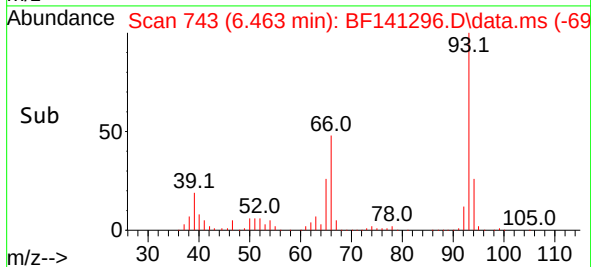
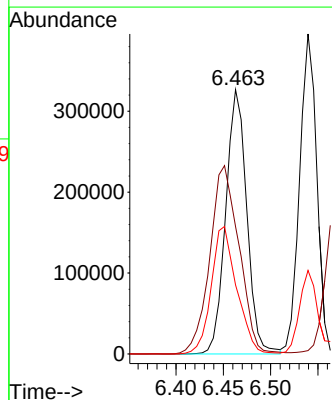
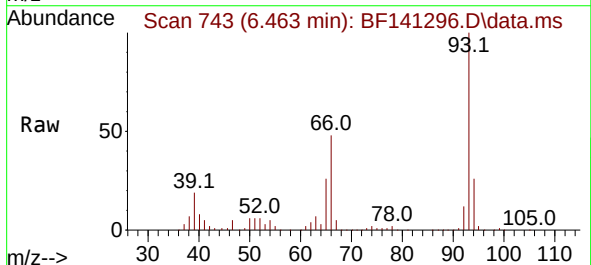
Manual Integrations
APPROVED

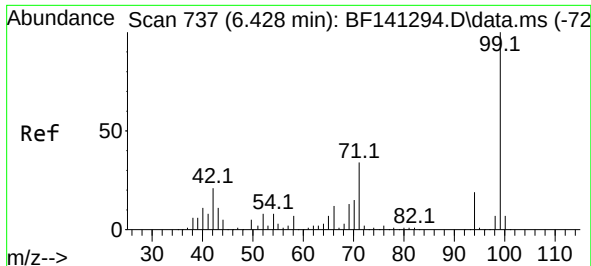
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

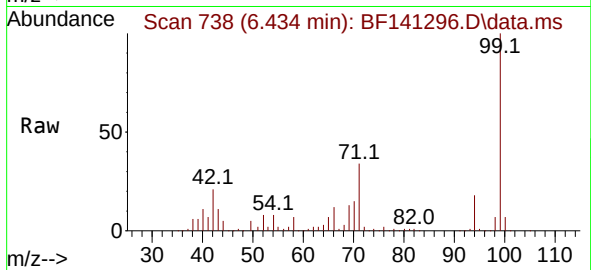
Tgt Ion: 93 Resp: 506937
Ion Ratio Lower Upper
93 100
66 48.2 32.5 48.7
65 26.1 17.0 25.6#





#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

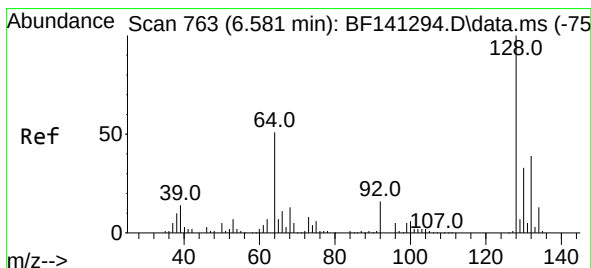
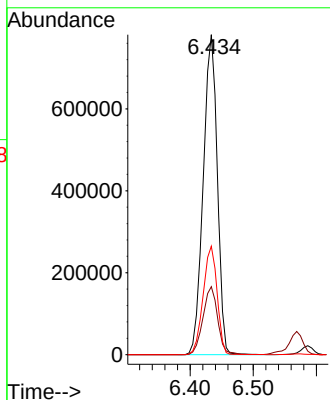
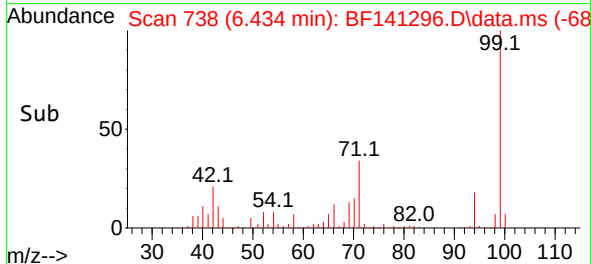
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



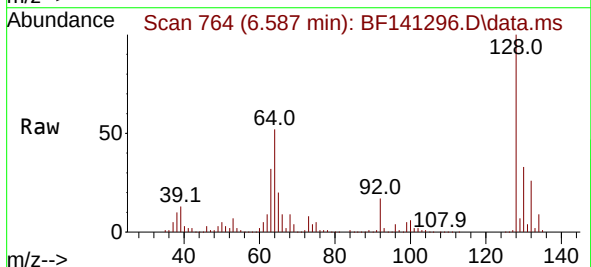
Tgt Ion: 99 Resp: 121047
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 33.9 26.9 40.3

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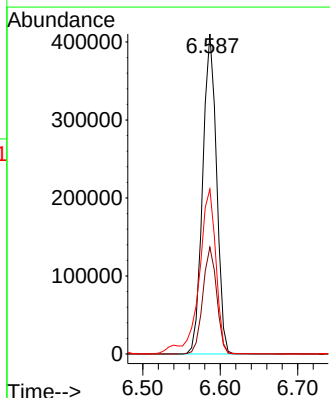
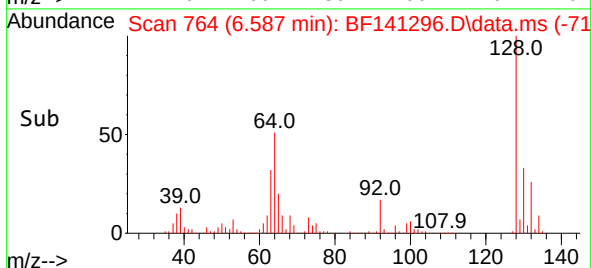
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

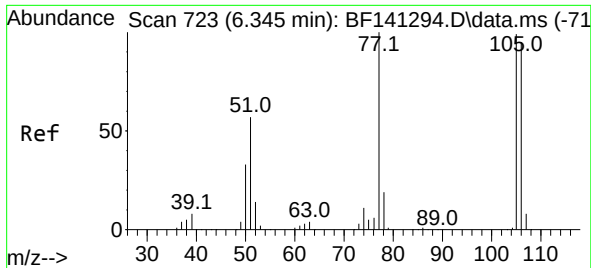


#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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

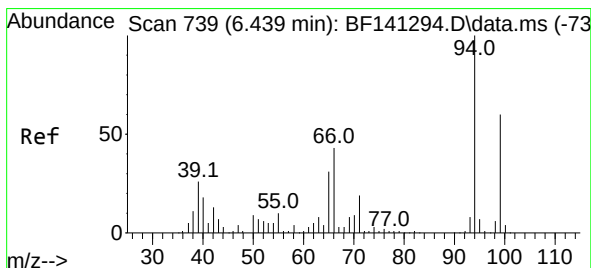
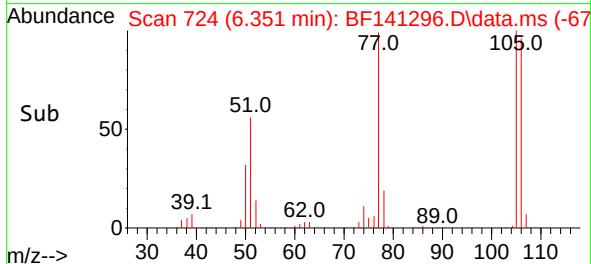
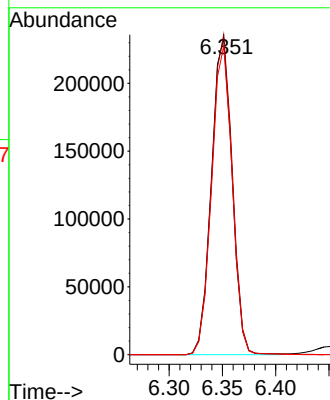
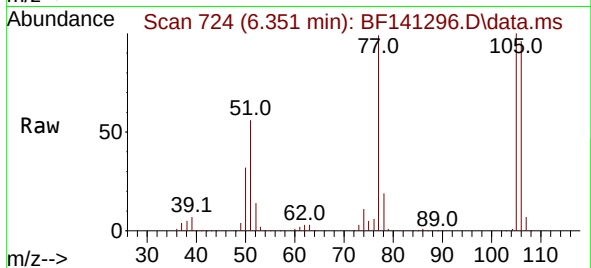
106 97.6 74.6 114.6

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

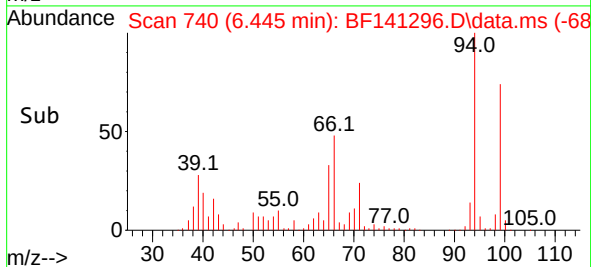
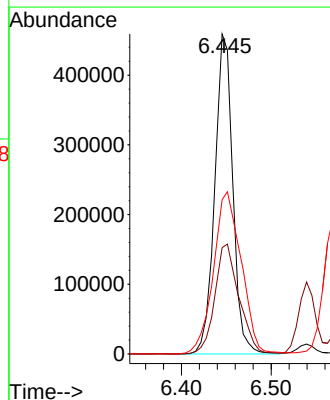
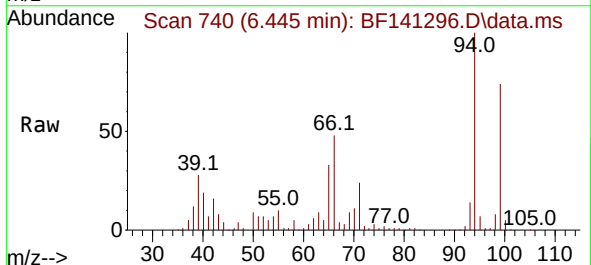
Tgt Ion: 94 Resp: 640034

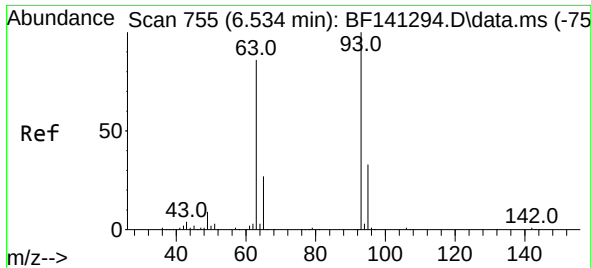
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 48.2 23.3 63.3





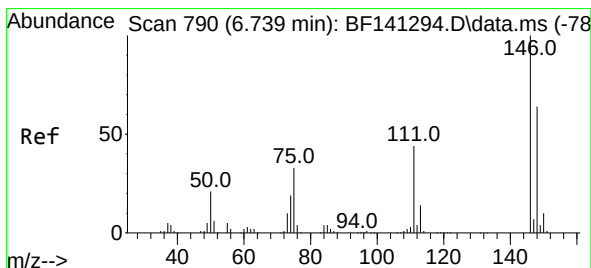
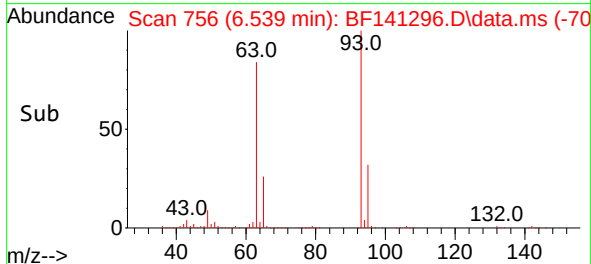
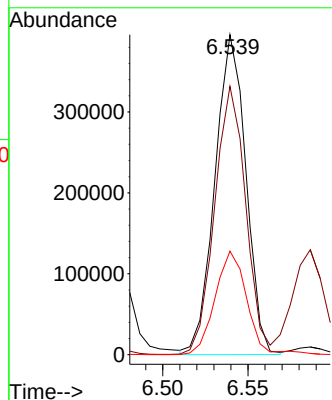
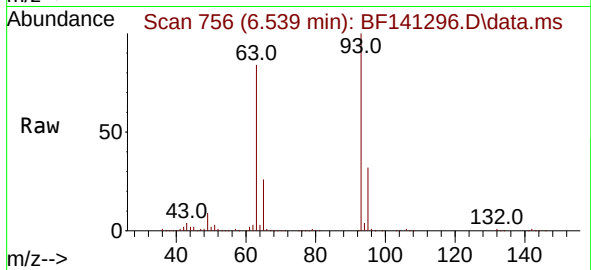
#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

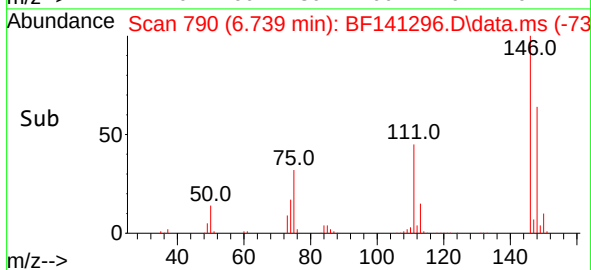
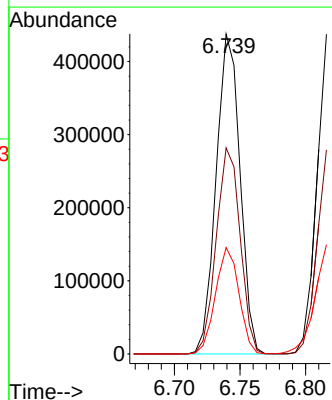
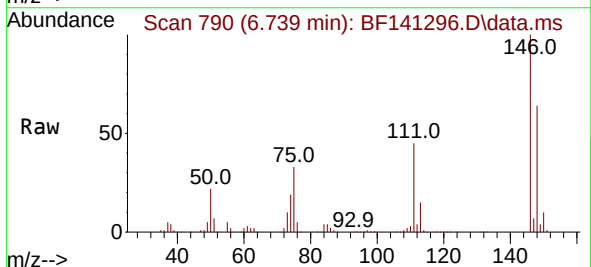
Manual Integrations
APPROVED

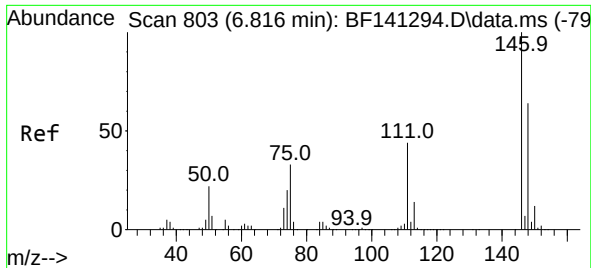
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





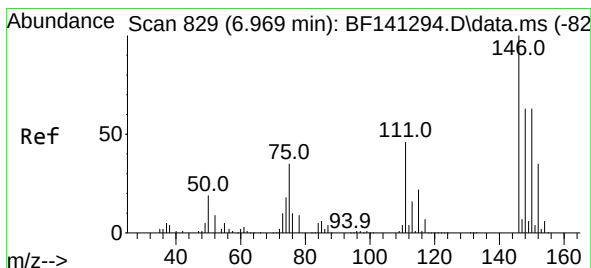
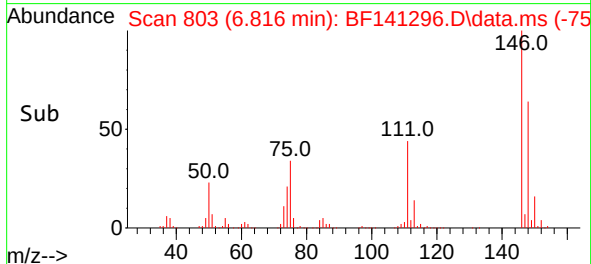
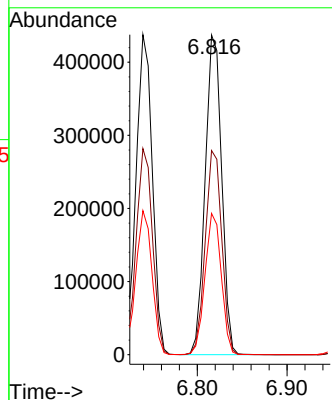
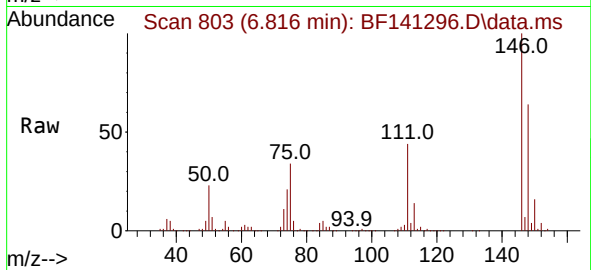
#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

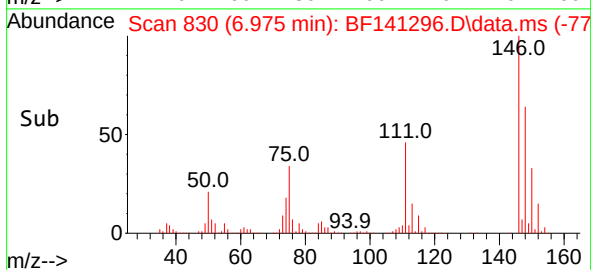
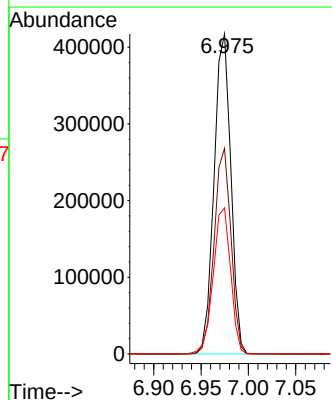
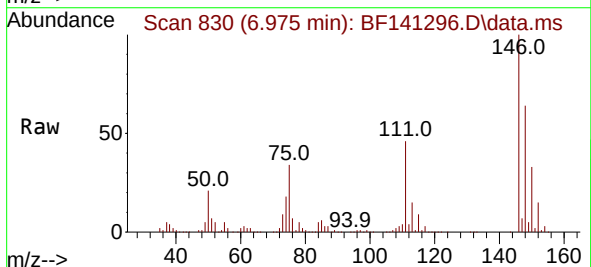
Manual Integrations
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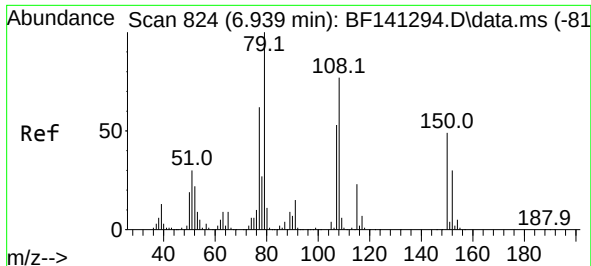
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

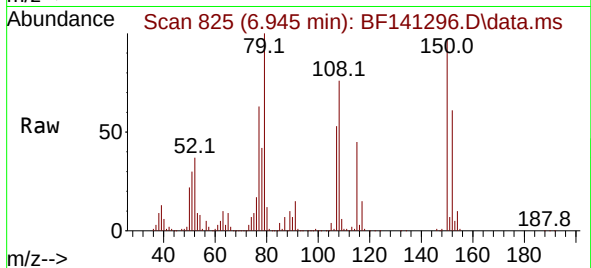
Tgt Ion:146 Resp: 513179
Ion Ratio Lower Upper
146 100
148 64.3 50.5 75.7
111 45.7 36.6 55.0





#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

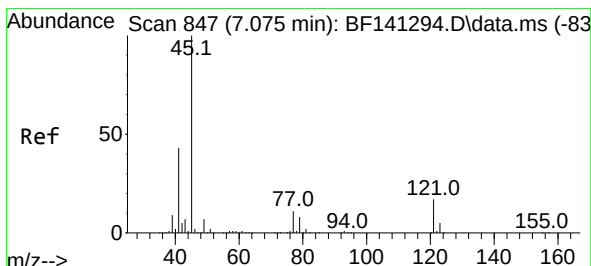
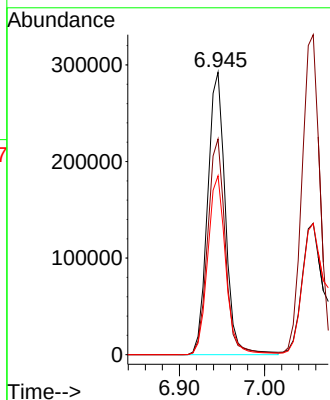
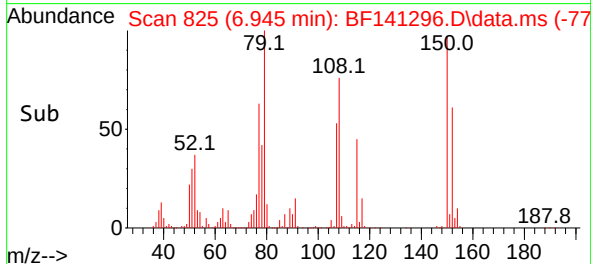
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



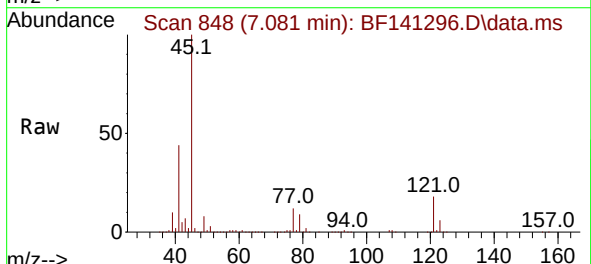
Tgt Ion: 79 Resp: 42272
Ion Ratio Lower Upper
79 100
108 76.4 61.4 92.0
77 63.3 49.9 74.9

Manual Integrations
APPROVED

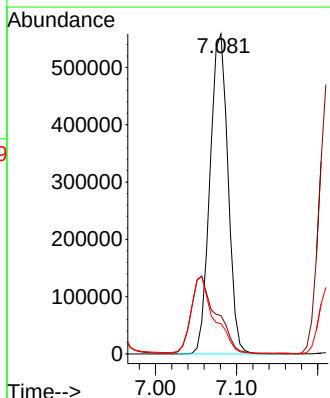
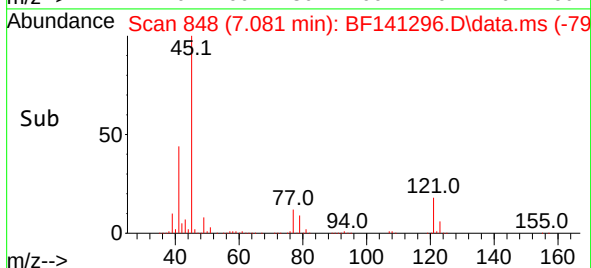
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

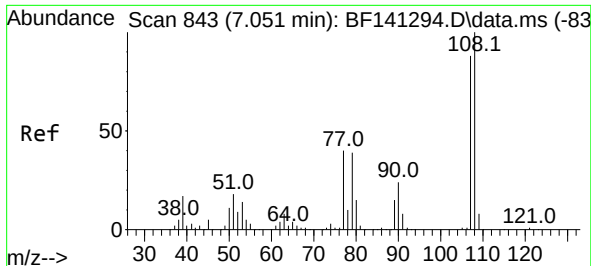


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



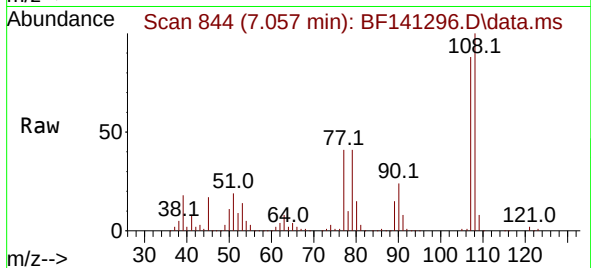
Tgt Ion: 45 Resp: 859130
Ion Ratio Lower Upper
45 100
77 12.0 0.0 31.8
79 9.4 0.0 29.1





#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

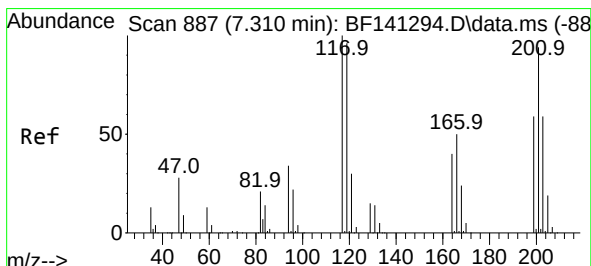
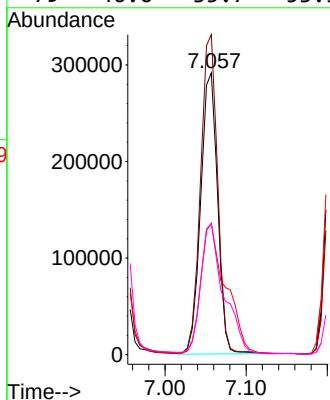
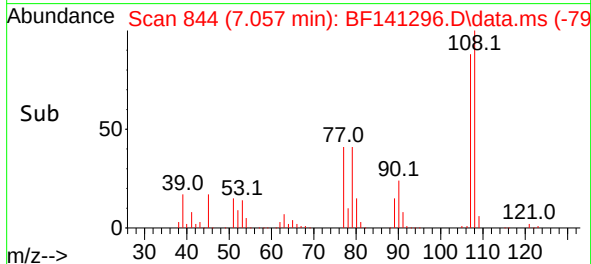
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



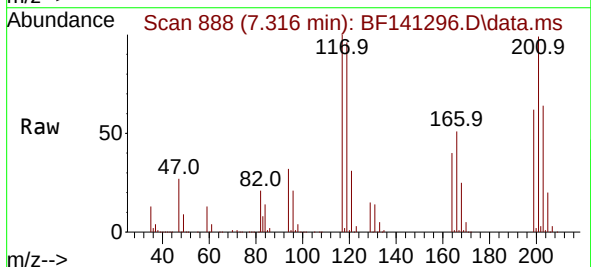
Tgt Ion:107 Resp: 42059
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 46.6 36.2 54.4
79 46.6 35.7 53.5

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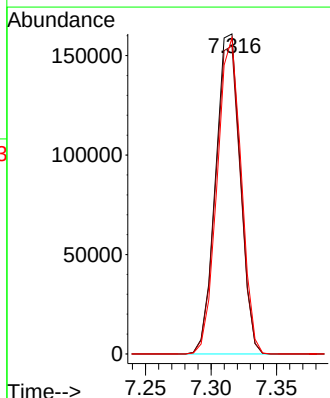
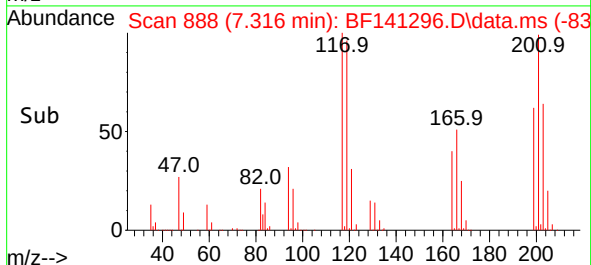
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

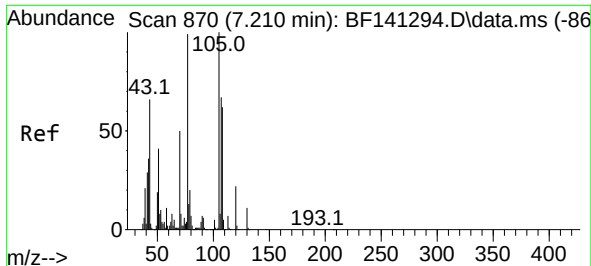


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



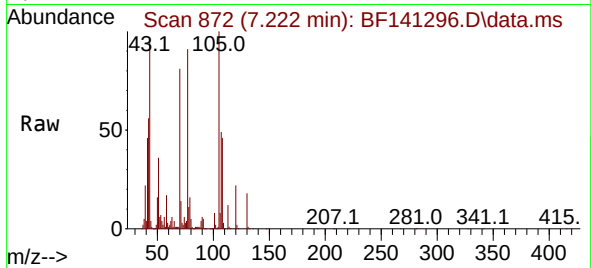
Tgt Ion:117 Resp: 210746
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
201 98.8 74.8 112.2





#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

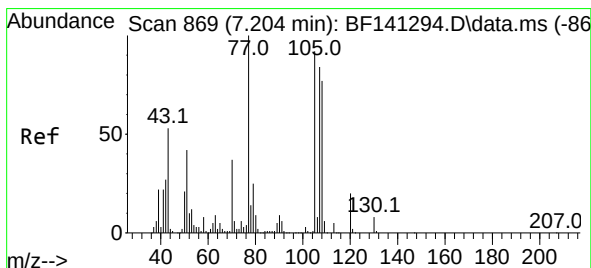
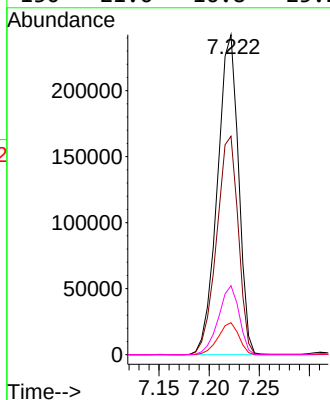
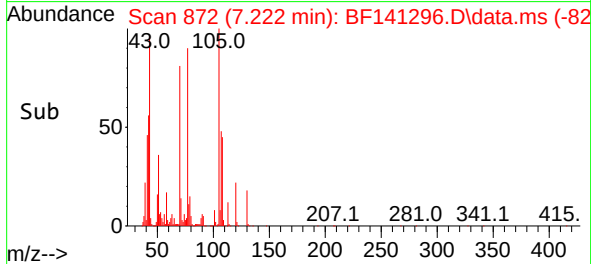
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



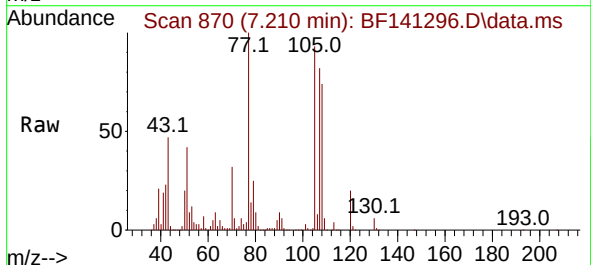
Tgt Ion: 70 Resp: 355030
Ion Ratio Lower Upper
70 100
42 68.3 56.8 85.2
101 10.0 7.7 11.5
130 21.6 16.8 25.2

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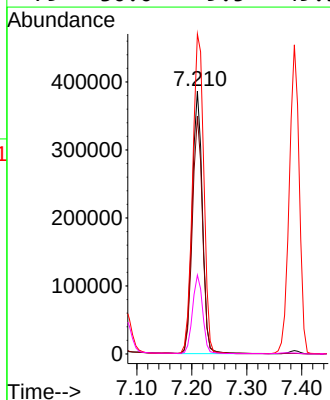
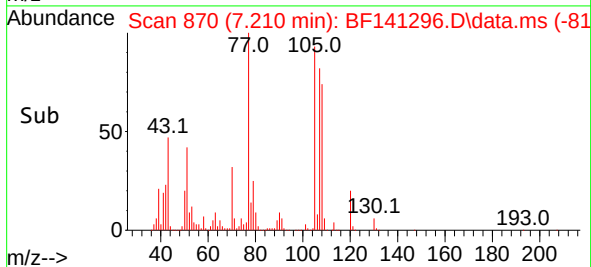
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

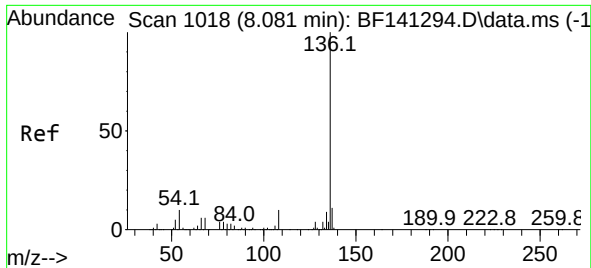


#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



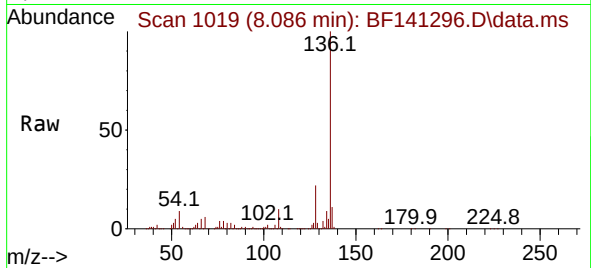
Tgt Ion:107 Resp: 496888
Ion Ratio Lower Upper
107 100
108 90.4 70.9 110.9
77 121.7 98.5 138.5
79 30.0 9.5 49.5





#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

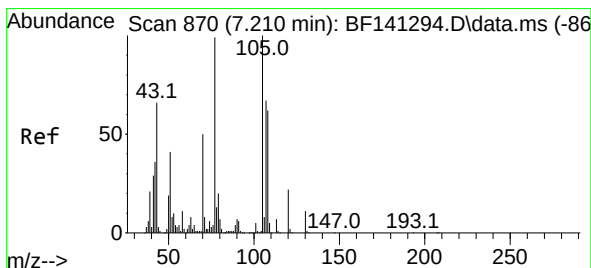
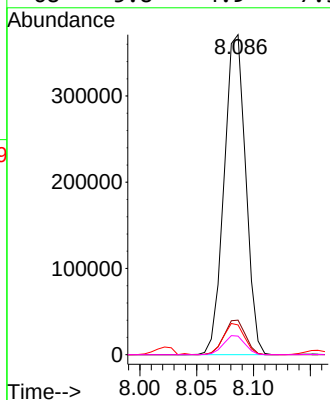
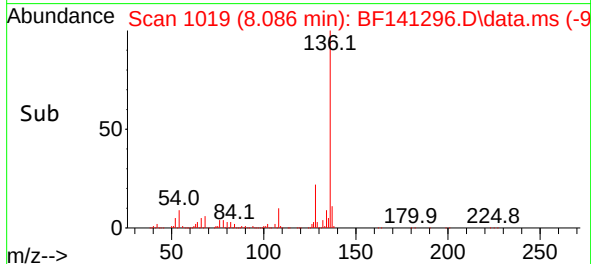
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



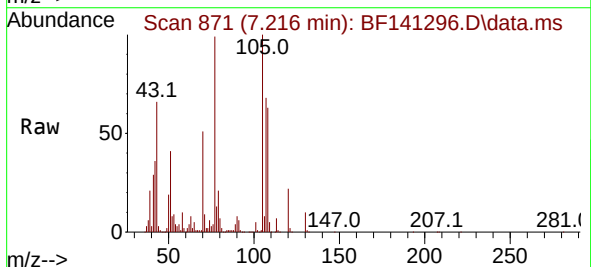
Tgt Ion:136 Resp: 490777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.8 11.8
68 5.8 4.9 7.3

Manual Integrations
APPROVED

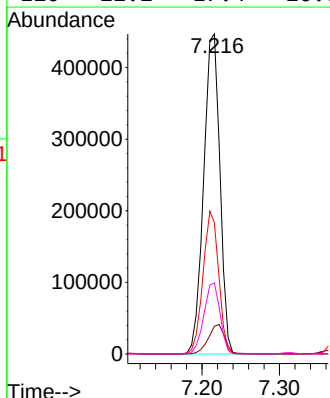
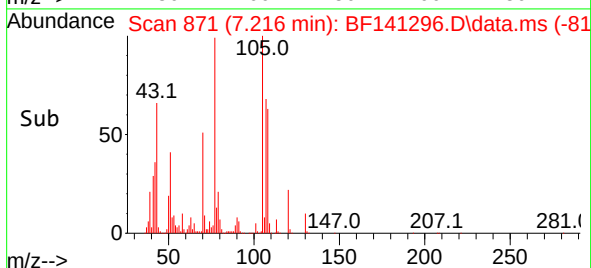
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

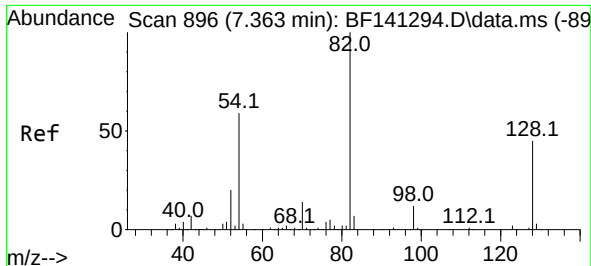


#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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

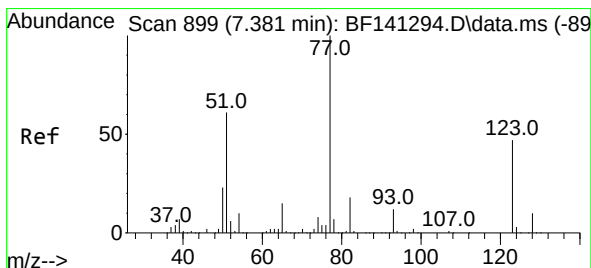
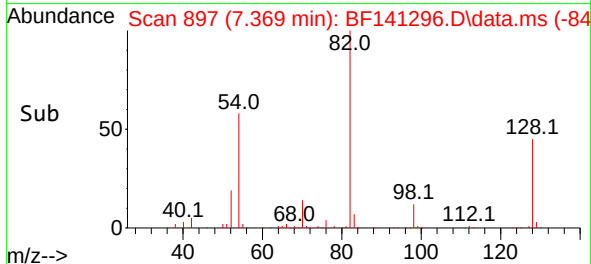
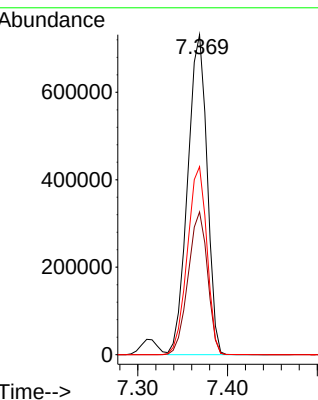
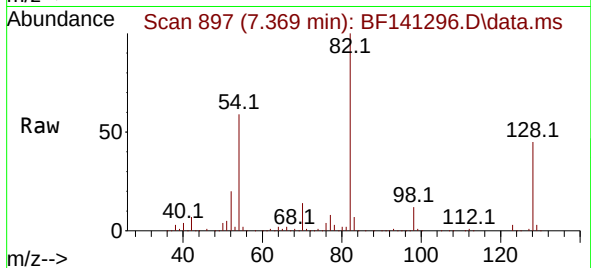
54 58.7 47.1 70.7

Manual Integrations

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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

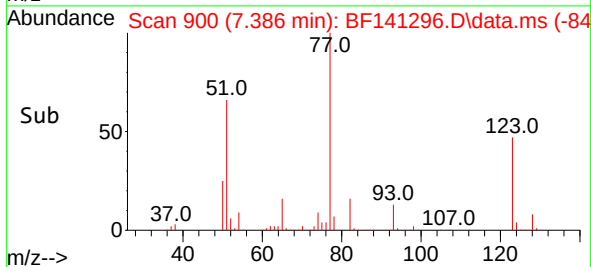
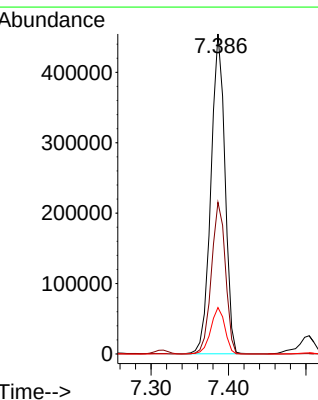
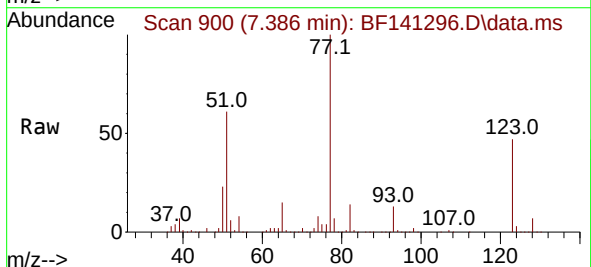
Tgt Ion: 77 Resp: 572234

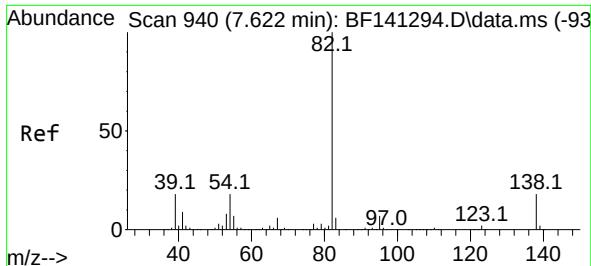
Ion Ratio Lower Upper

77 100

123 47.4 37.3 55.9

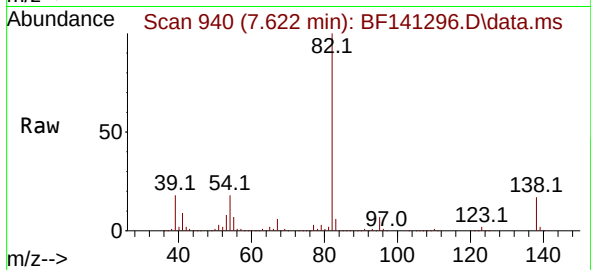
65 14.5 11.8 17.6





#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

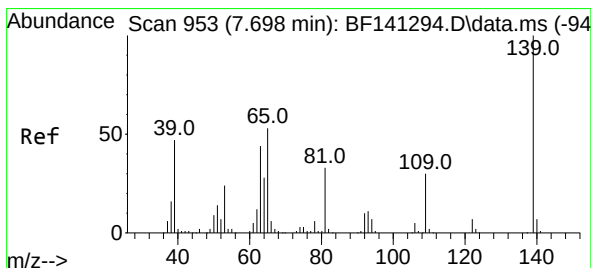
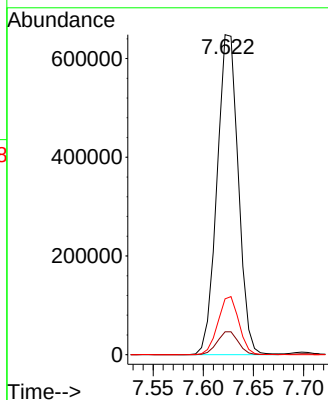
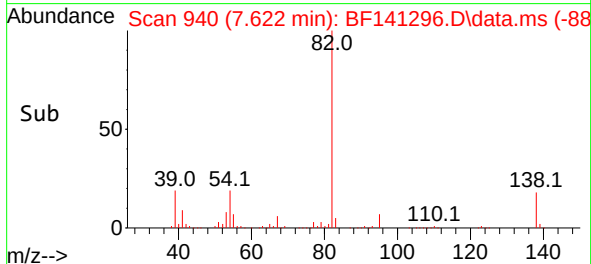
Instrument :
BNA_F
Client SampleId :
SSTDICC060



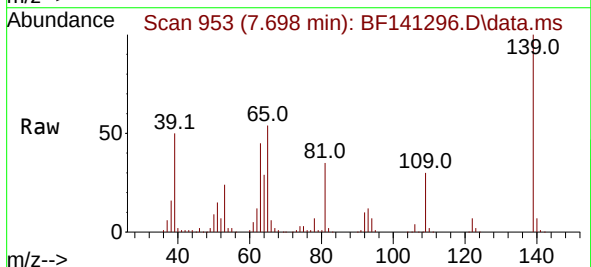
Tgt Ion: 82 Resp: 95367
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.5 14.7 22.1

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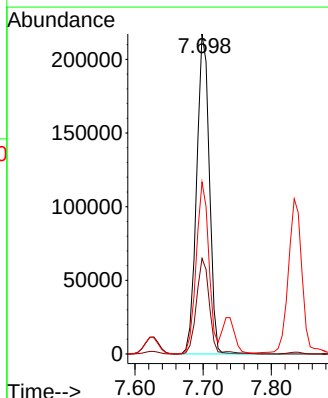
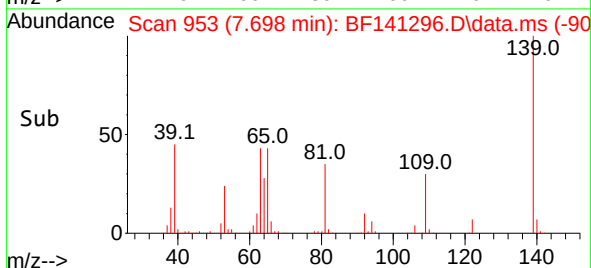
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

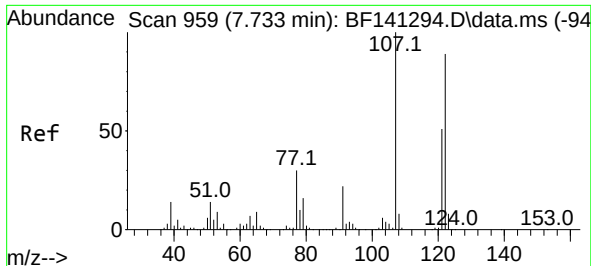


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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

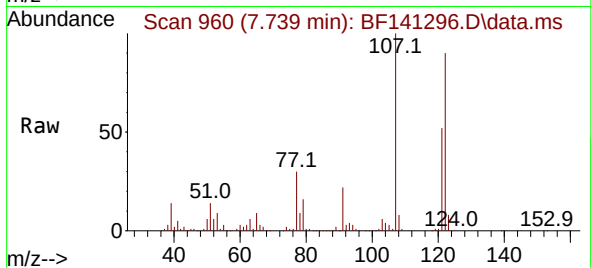
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



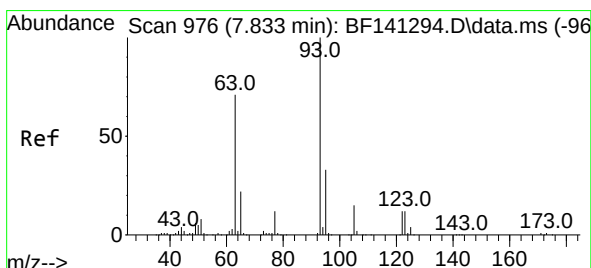
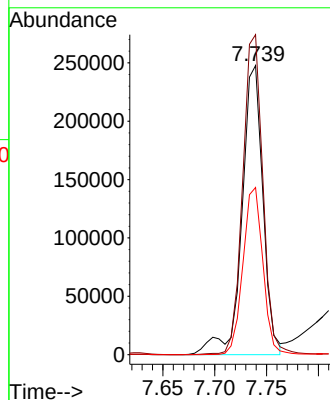
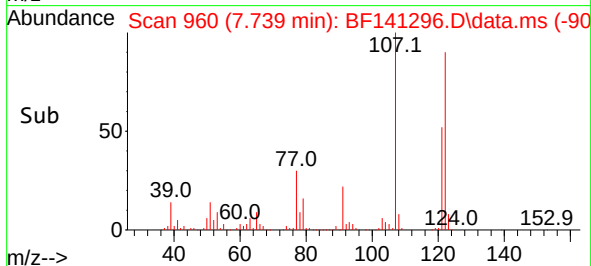
Tgt Ion:122 Resp: 350784

Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.9	134.9
121	57.8	46.1	69.1

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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

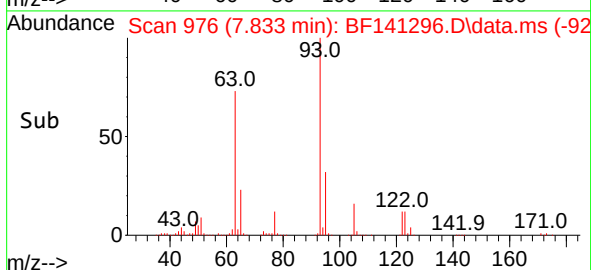
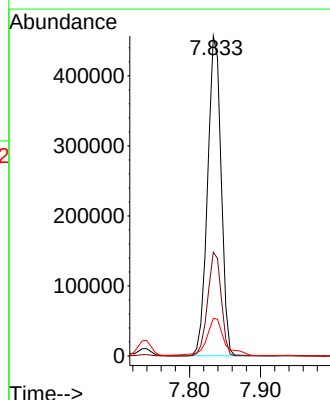
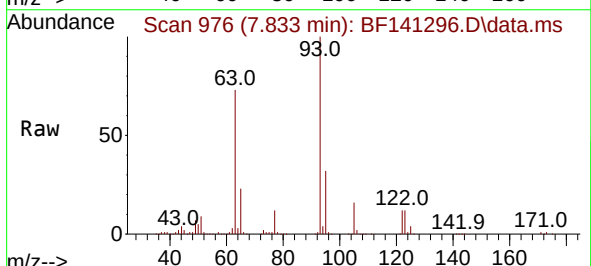
Delta R.T. -0.000 min

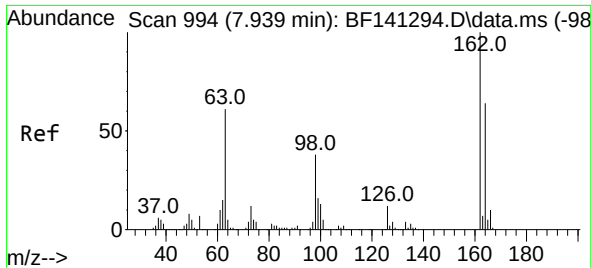
Lab File: BF141296.D

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

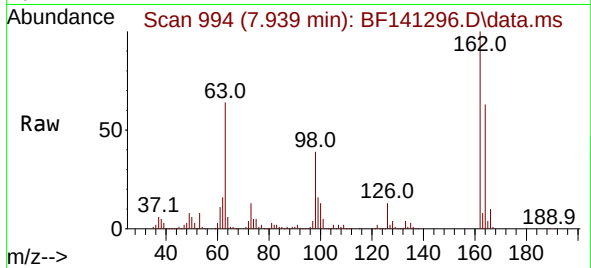
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC060



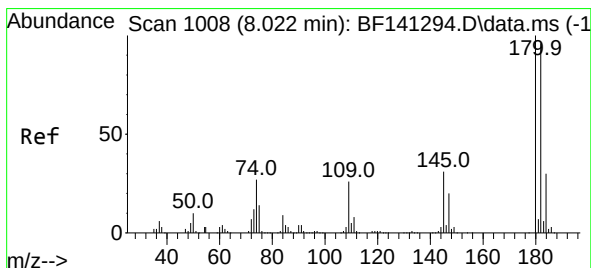
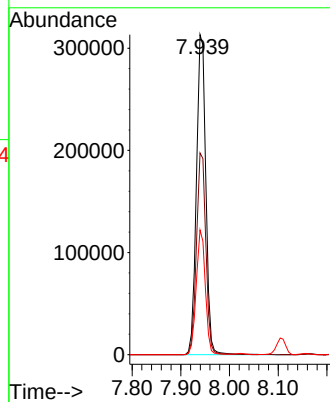
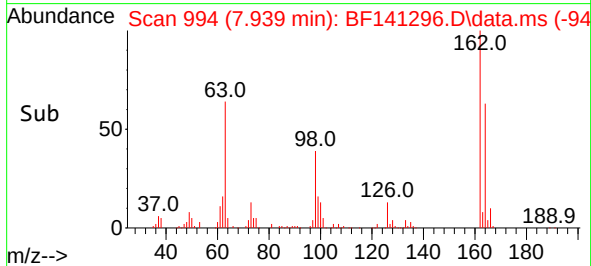
Tgt Ion:162 Resp: 421744

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.2	84.2
98	38.9	18.2	58.2

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

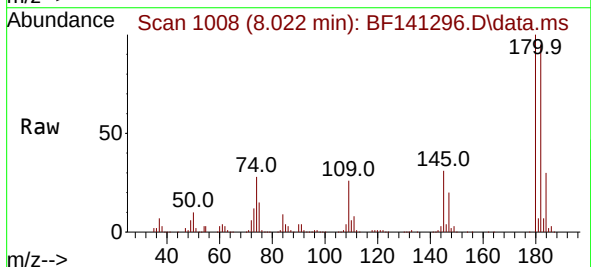
Concen: 55.787 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

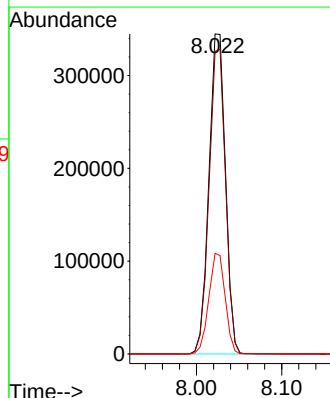
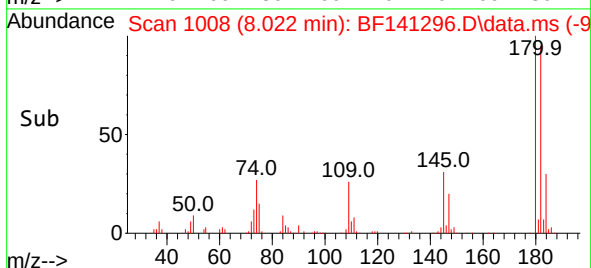
Lab File: BF141296.D

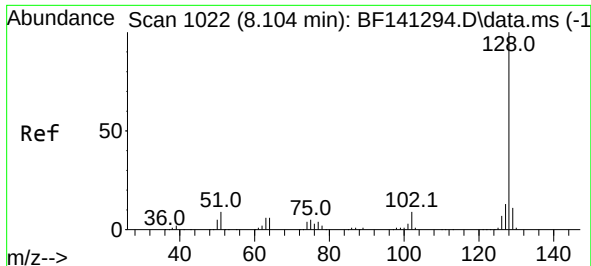
Acq: 29 Jan 2025 16:38



Tgt Ion:180 Resp: 465841

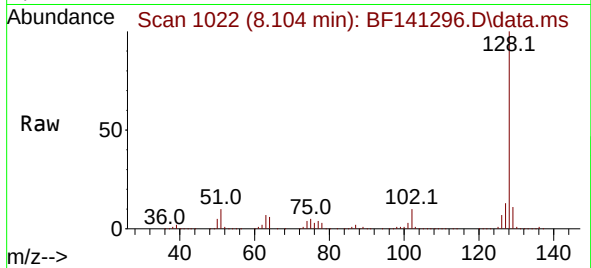
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	31.4	24.9	37.3





#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

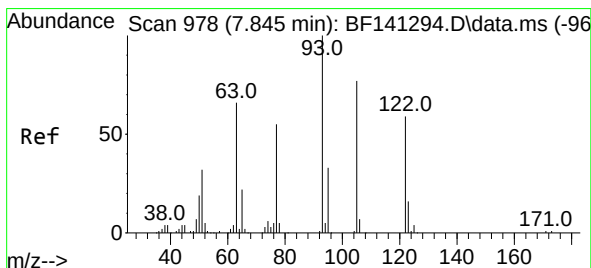
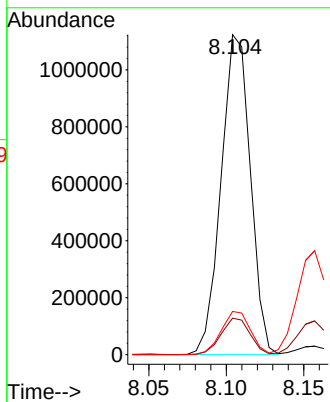
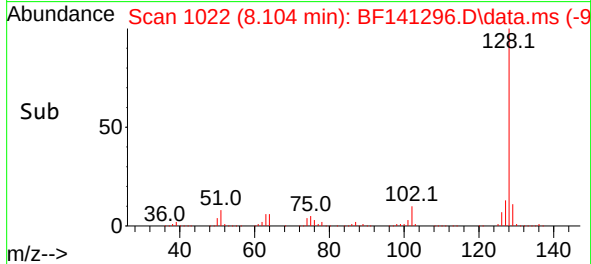
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

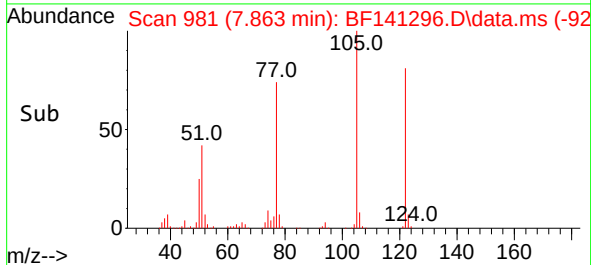
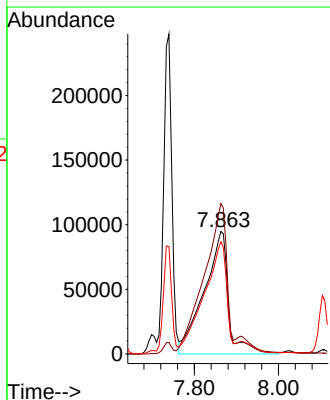
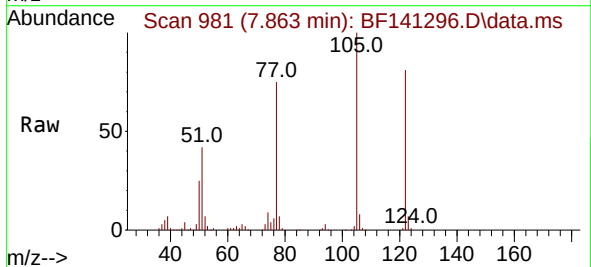
Manual Integrations
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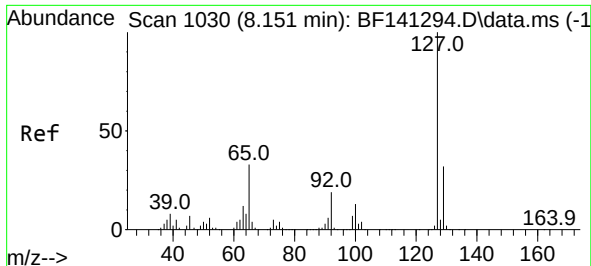
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

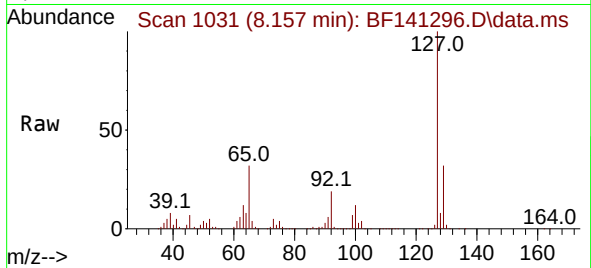
Tgt Ion:122 Resp: 380664
Ion Ratio Lower Upper
122 100
105 122.7 103.4 143.4
77 91.6 70.9 110.9





#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

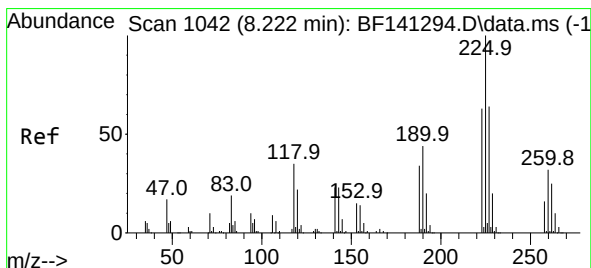
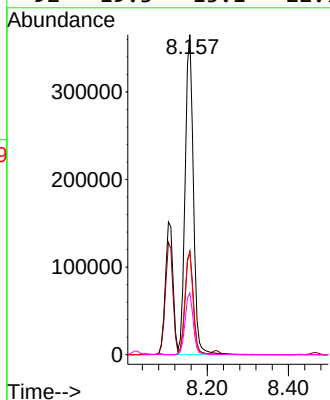
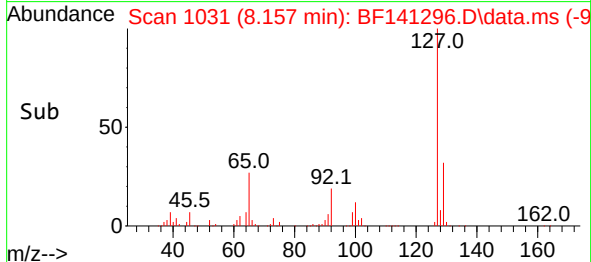
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



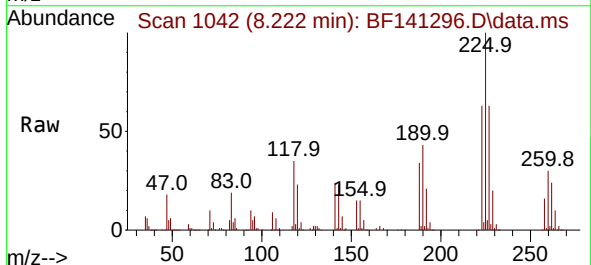
Tgt Ion:127 Resp: 513149
Ion Ratio Lower Upper
127 100
129 32.4 25.7 38.5
65 31.7 26.4 39.6
92 19.3 15.1 22.7

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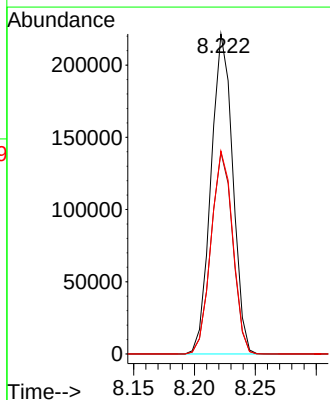
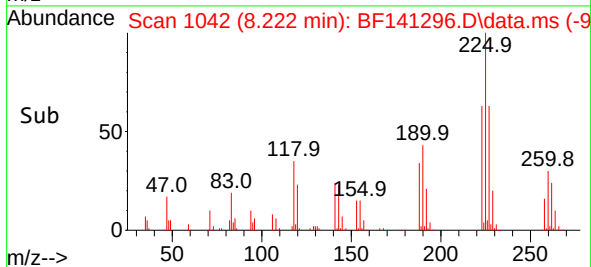
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

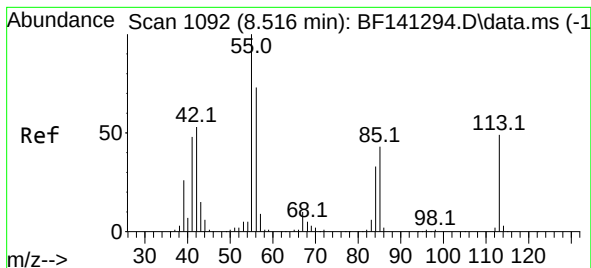


#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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# 1109

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

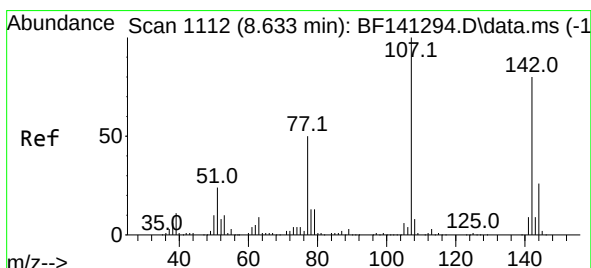
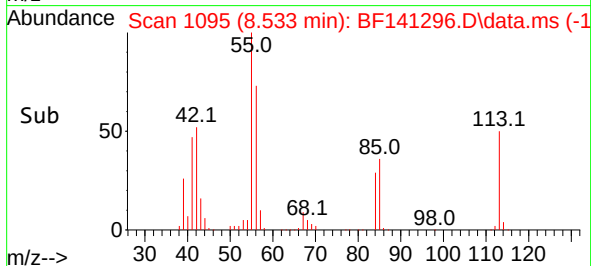
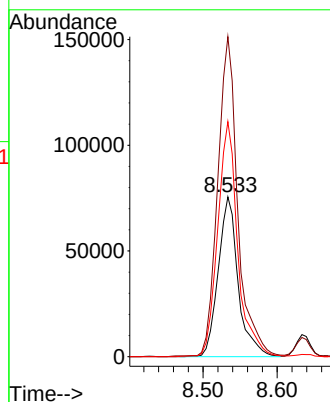
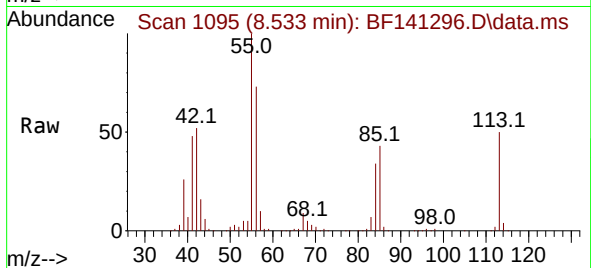
56 147.0 127.9 167.9

Manual Integrations

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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

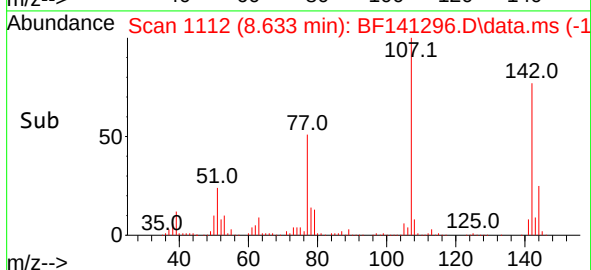
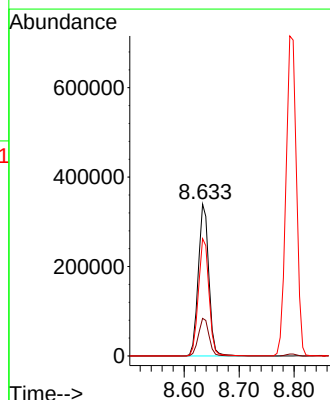
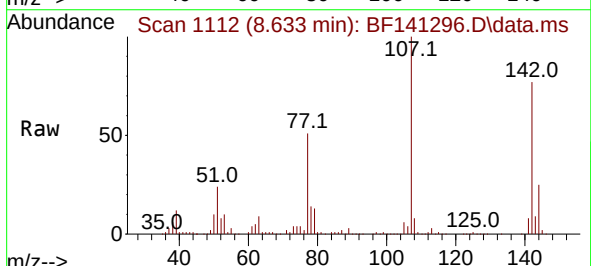
Tgt Ion:107 Resp: 452438

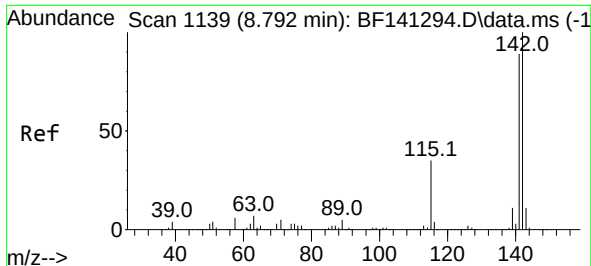
Ion Ratio Lower Upper

107 100

144 24.8 20.7 31.1

142 77.2 63.8 95.8





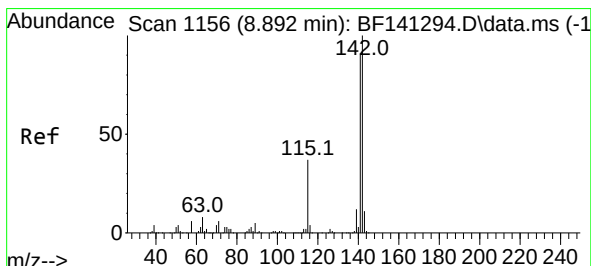
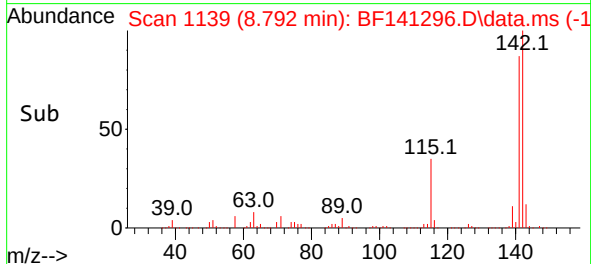
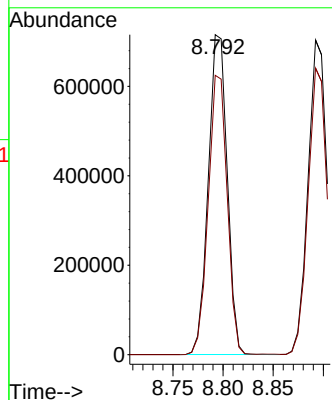
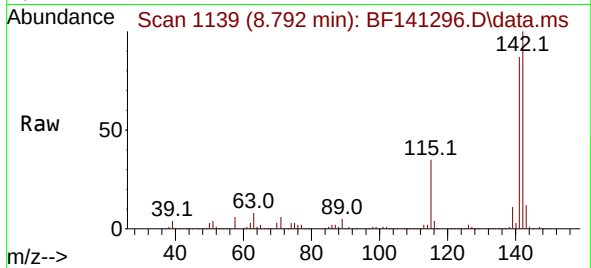
#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 94115
Ion Ratio Lower Upper
142 100
141 87.3 71.3 106.9

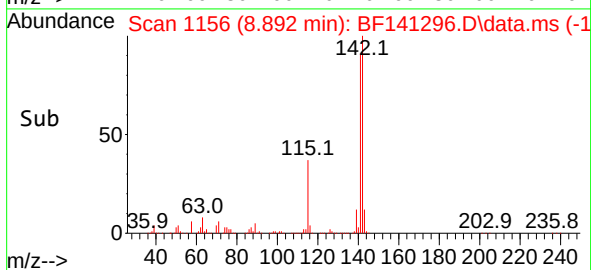
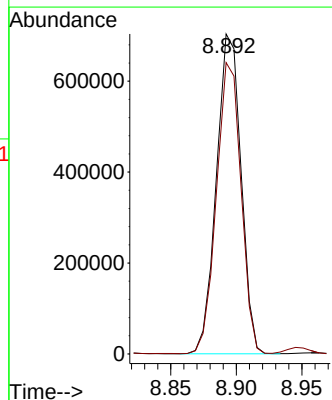
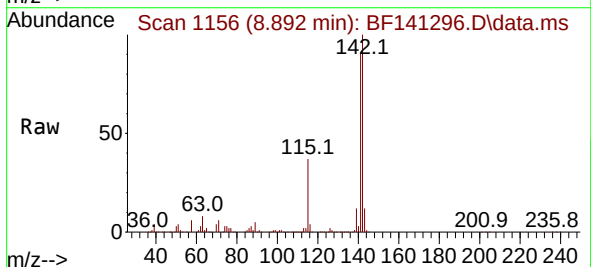
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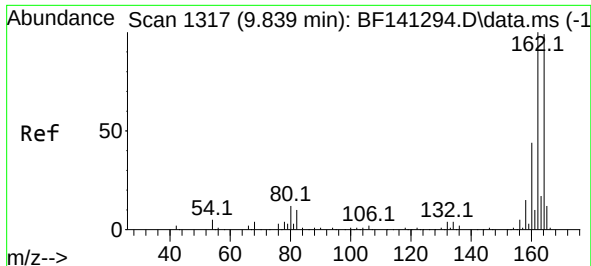
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

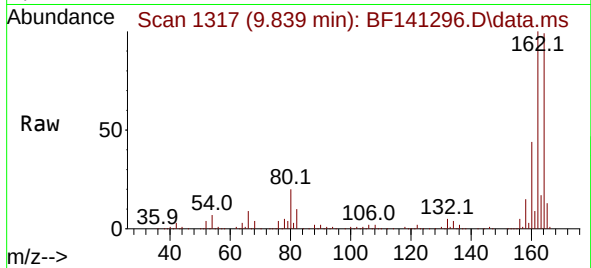
Tgt Ion:142 Resp: 917389
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#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

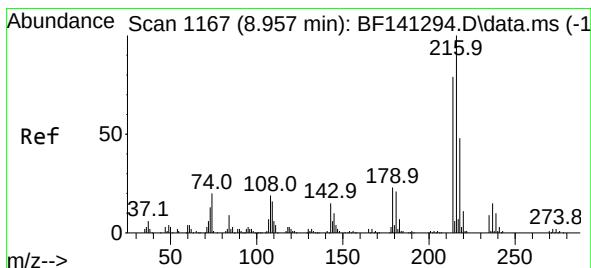
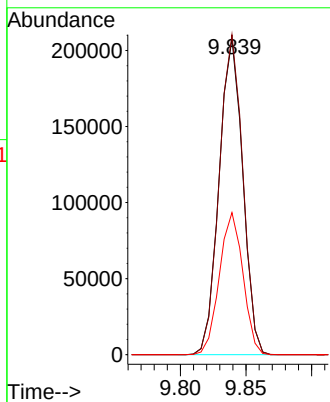
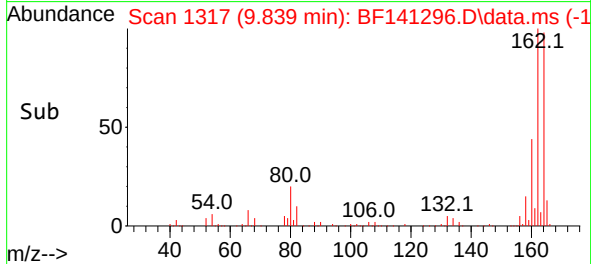
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



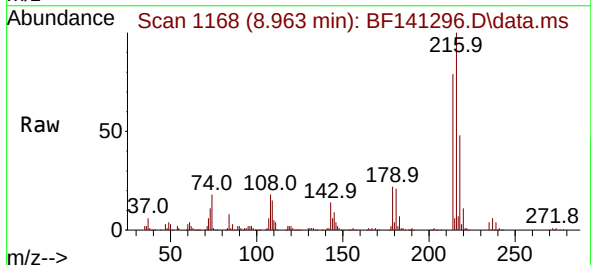
Tgt Ion:164 Resp: 260269
Ion Ratio Lower Upper
164 100
162 101.4 80.6 121.0
160 45.0 35.8 53.6

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APPROVED

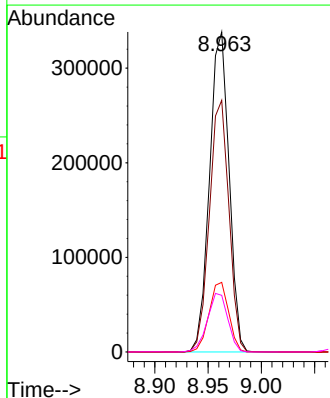
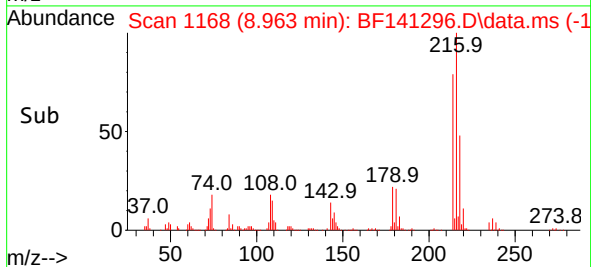
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

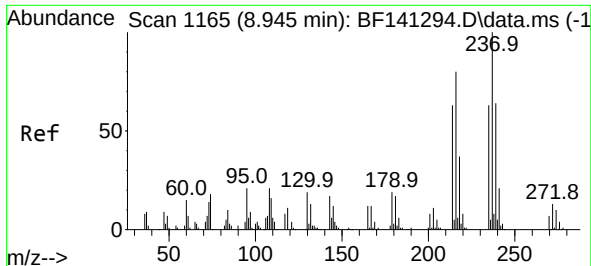


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



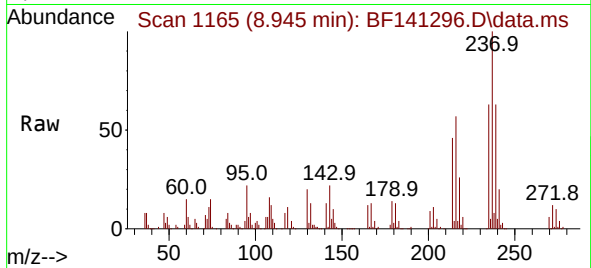
Tgt Ion:216 Resp: 430239
Ion Ratio Lower Upper
216 100
214 78.9 63.2 94.8
179 22.0 17.8 26.8
108 19.3 15.0 22.6





#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

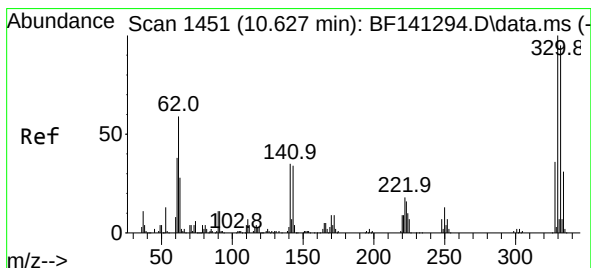
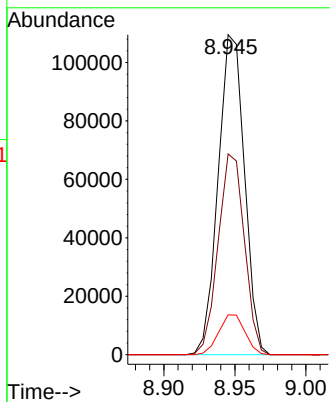
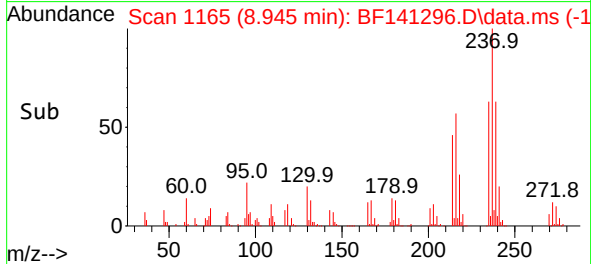
Instrument :
BNA_F
Client SampleId :
SSTDICC060



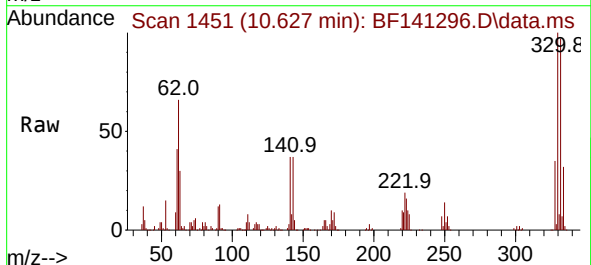
Tgt Ion: 237 Resp: 14138
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 12.5 0.0 32.8

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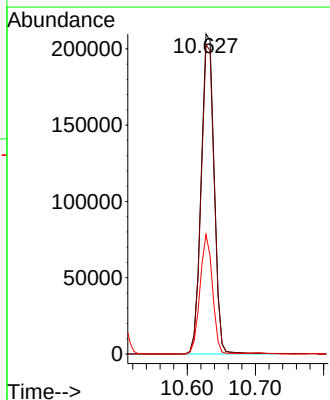
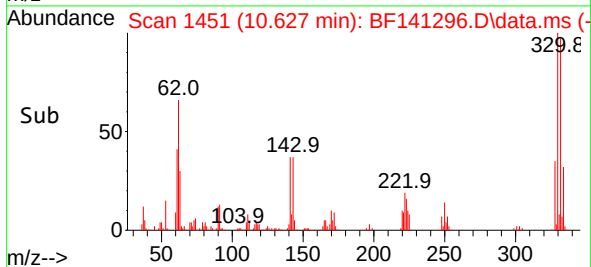
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

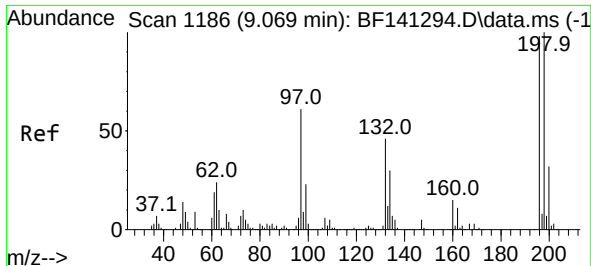


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



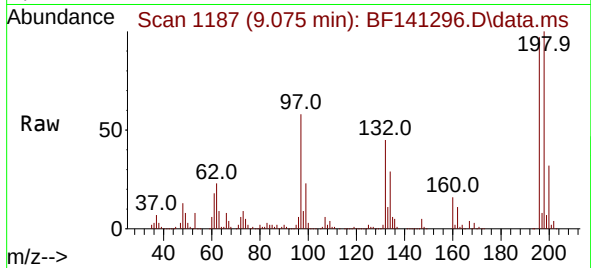
Tgt Ion: 330 Resp: 279105
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.8 28.8 43.2





#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

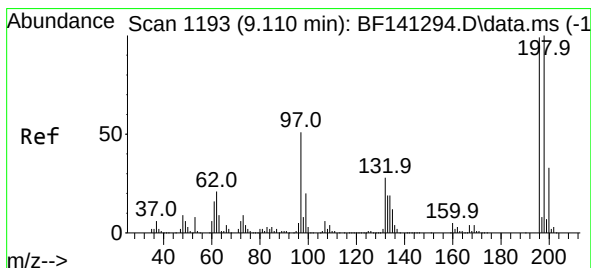
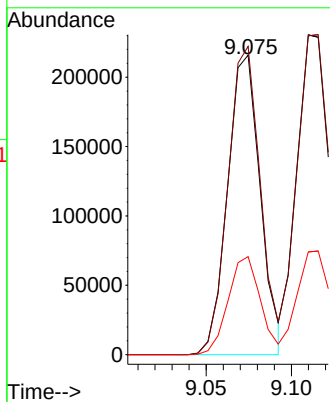
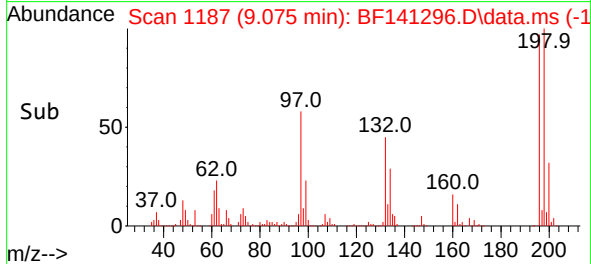
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



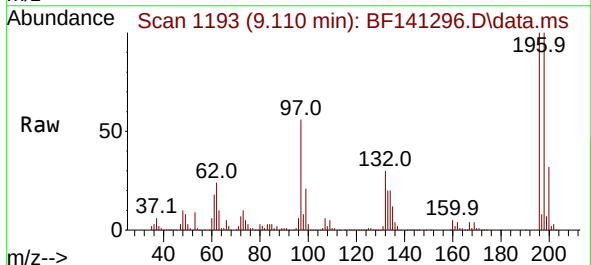
Tgt Ion:196 Resp: 288290
Ion Ratio Lower Upper
196 100
198 102.9 81.8 122.6
200 32.7 26.3 39.5

Manual Integrations
APPROVED

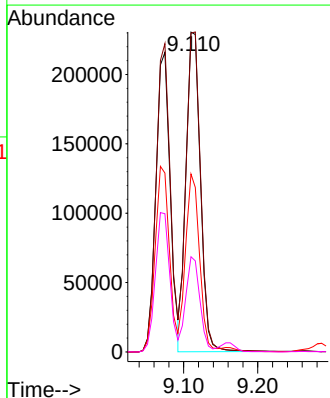
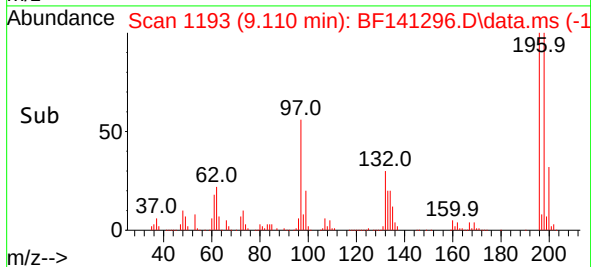
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

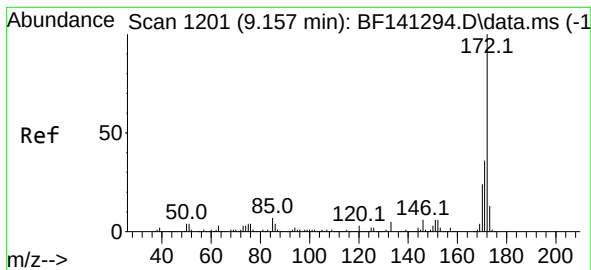


#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



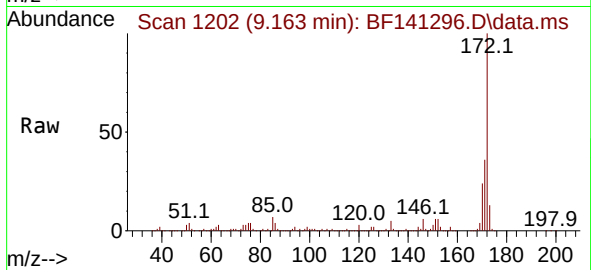
Tgt Ion:196 Resp: 314912
Ion Ratio Lower Upper
196 100
198 99.7 80.5 120.7
97 55.7 42.8 64.2
132 29.7 23.5 35.3





#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

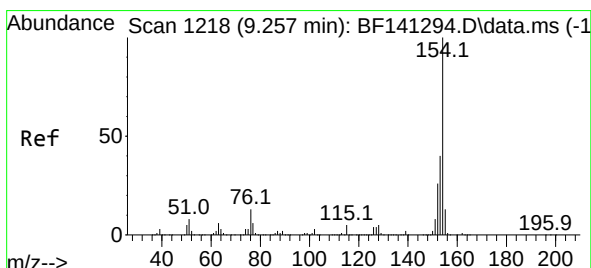
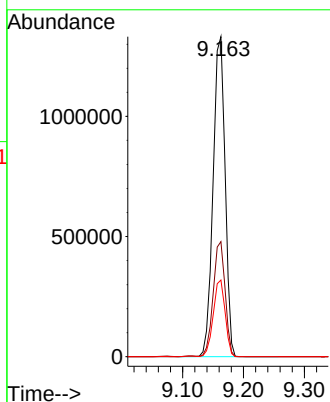
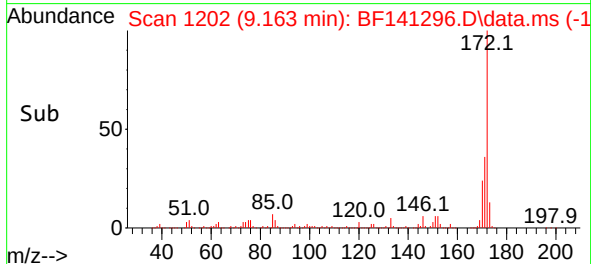
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



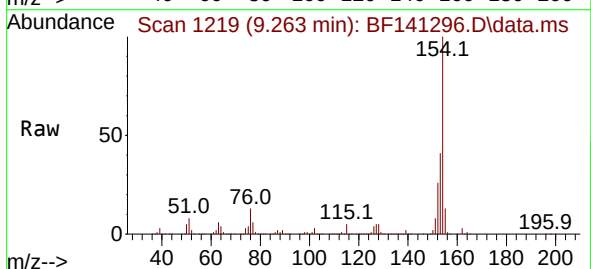
Tgt Ion:172 Resp: 1824372
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.0 28.6

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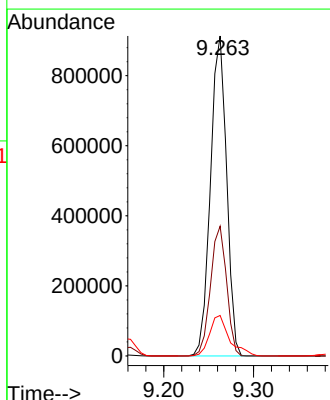
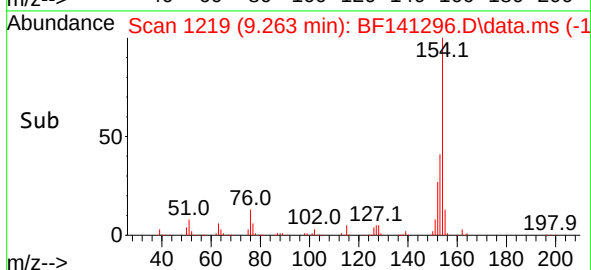
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

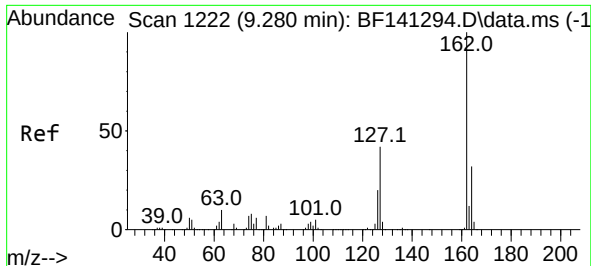


#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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

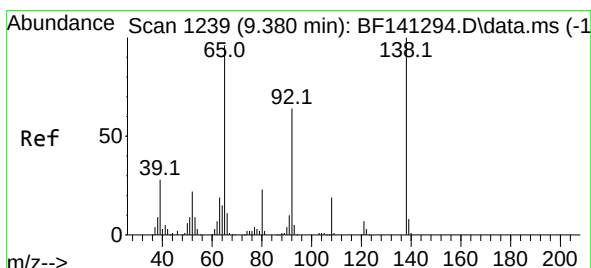
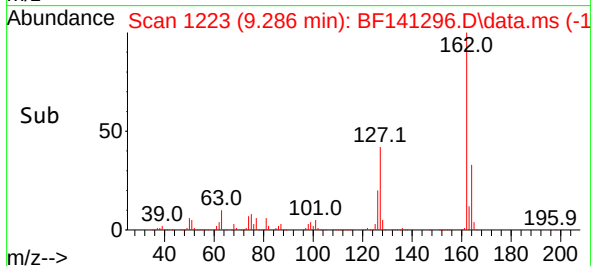
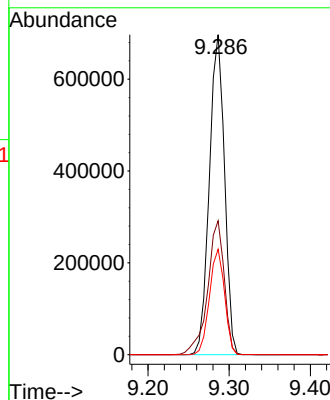
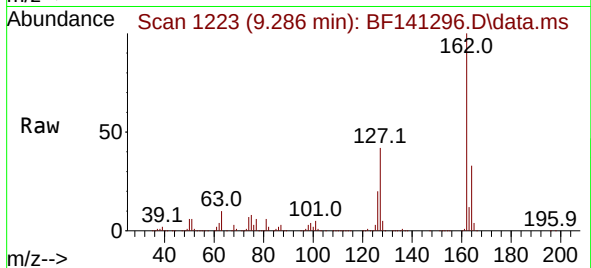
ClientSampleId :

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

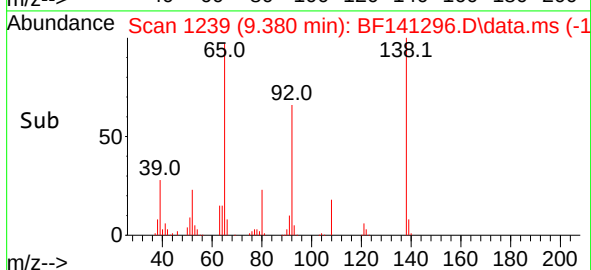
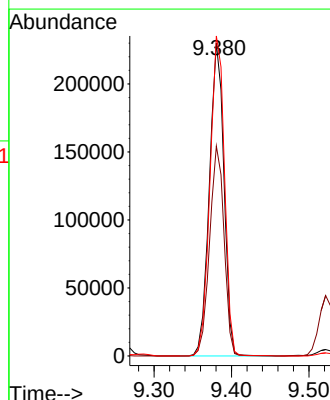
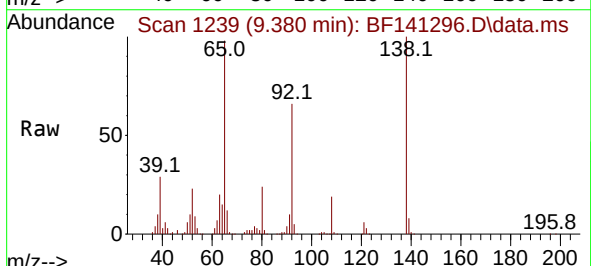
RT: 9.380 min Scan# 1239

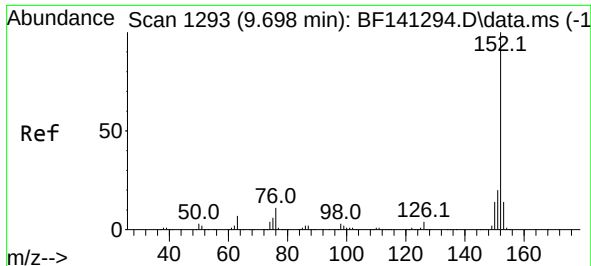
Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

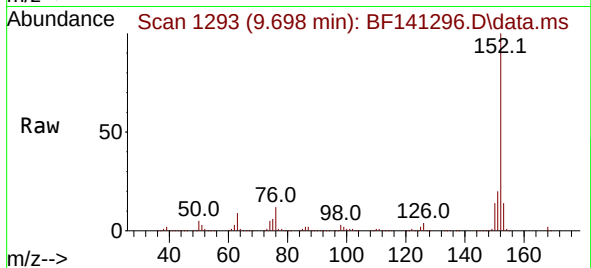
Tgt Ion: 65 Resp: 300339
 Ion Ratio Lower Upper
 65 100
 92 67.1 53.3 79.9
 138 102.3 83.6 125.4





#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

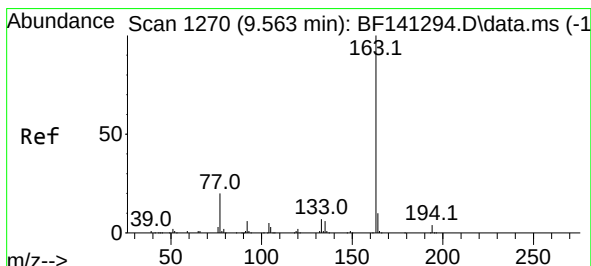
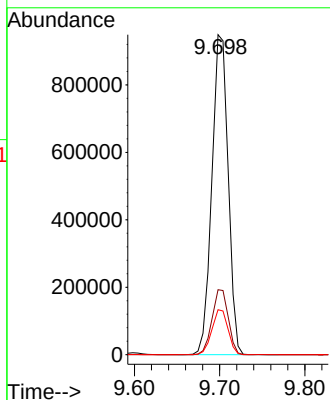
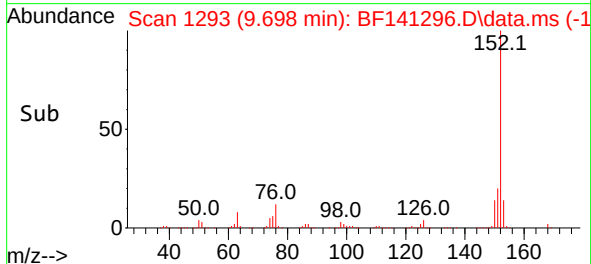
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



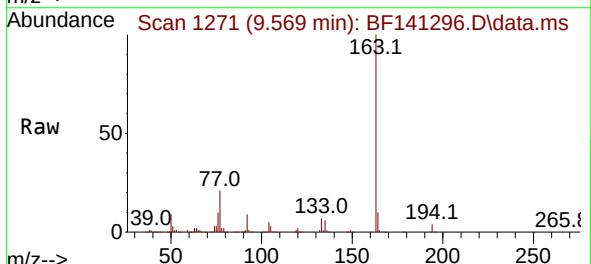
Tgt Ion:152 Resp: 125873
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.1 11.0 16.6

Manual Integrations
APPROVED

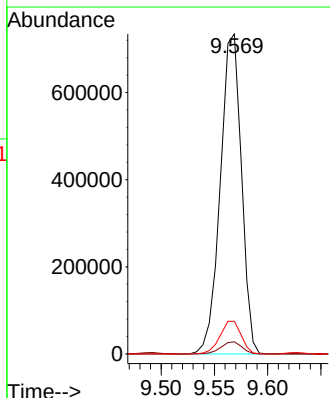
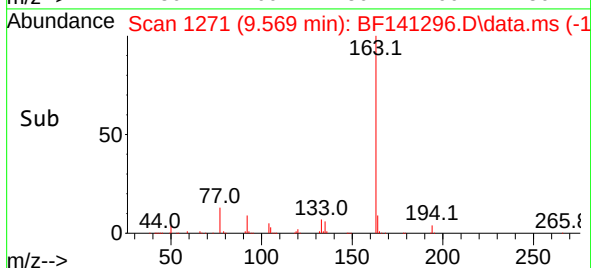
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

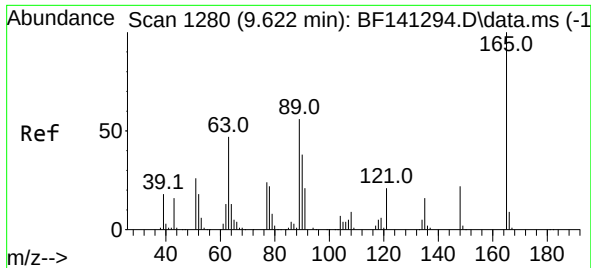


#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



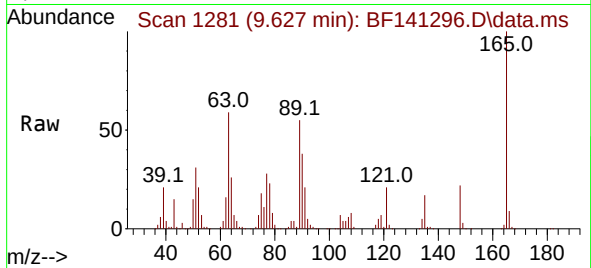
Tgt Ion:163 Resp: 1012298
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.0 12.0





#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

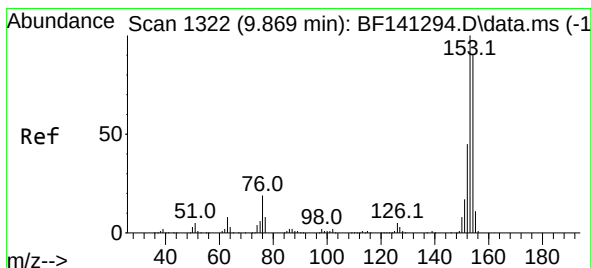
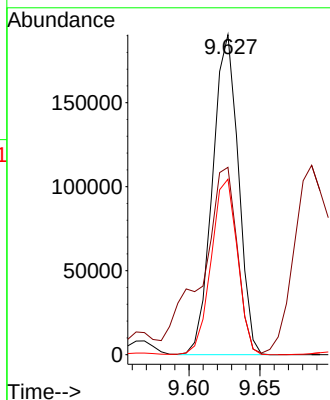
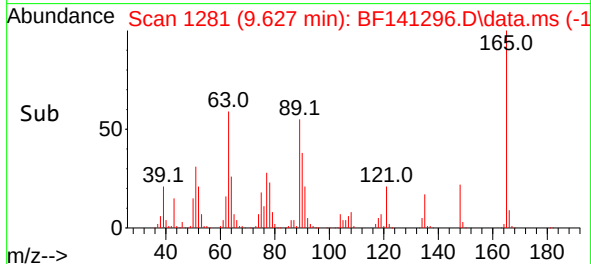
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



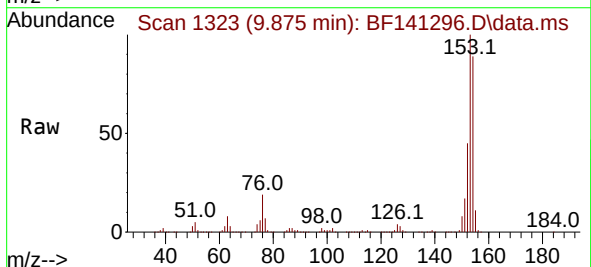
Tgt Ion:165 Resp: 24124
Ion Ratio Lower Upper
165 100
63 58.5 48.1 72.1
89 54.8 44.9 67.3

Manual Integrations
APPROVED

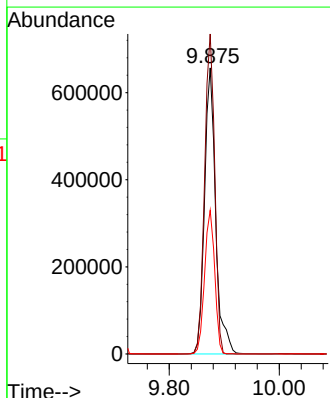
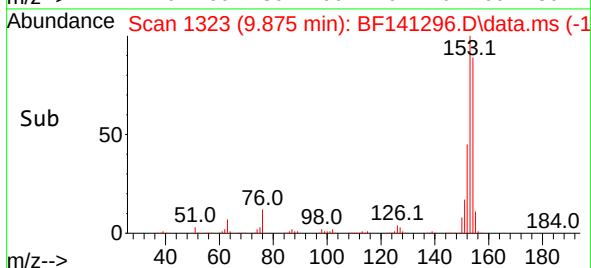
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

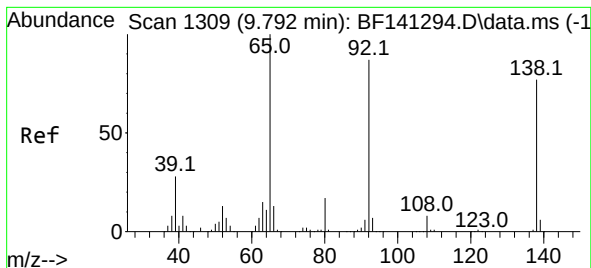


#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



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

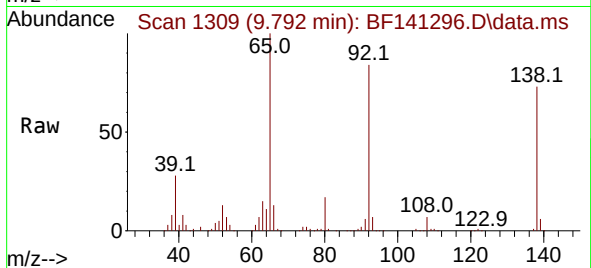
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

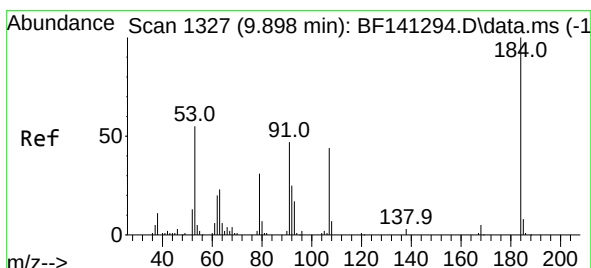
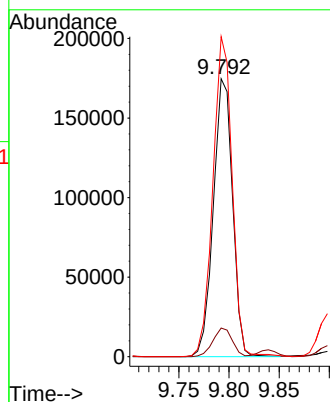
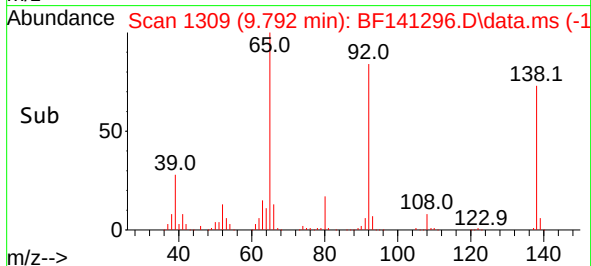


Tgt Ion:	138	Resp:	232680
Ion Ratio	Lower	Upper	
138	100		
108	10.3	8.6	12.8
92	115.2	91.0	136.6

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

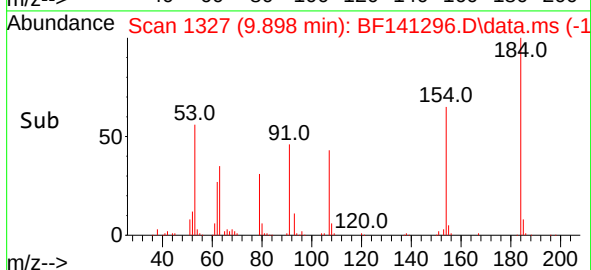
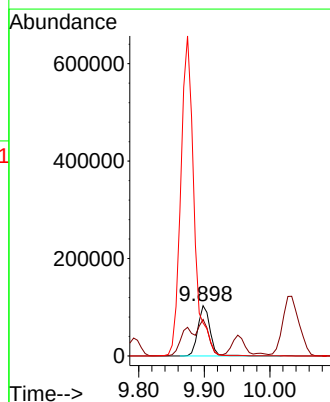
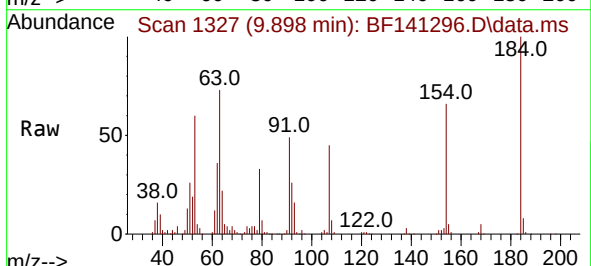
RT: 9.898 min Scan# 1327

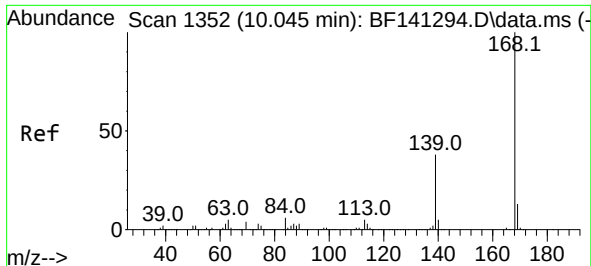
Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

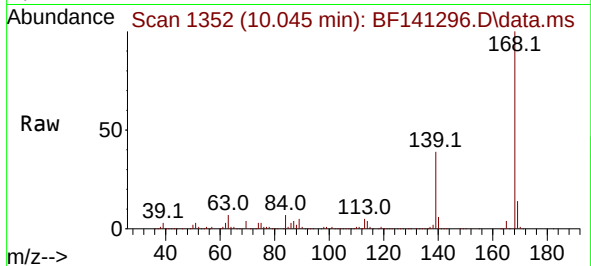
Tgt Ion:	184	Resp:	132244
Ion Ratio	Lower	Upper	
184	100		
63	72.8	54.1	81.1
154	65.5	50.7	76.1





#55
Dibenzenofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

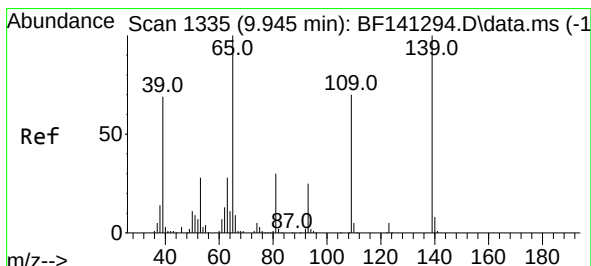
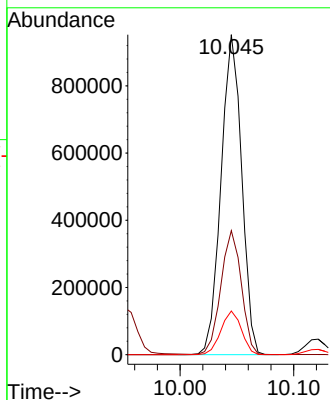
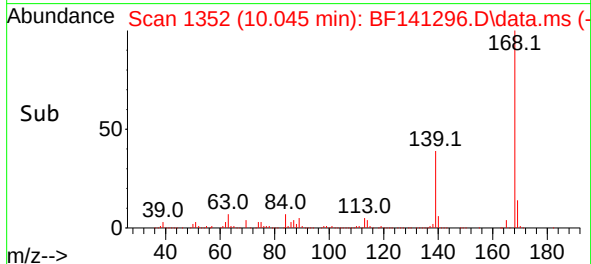
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



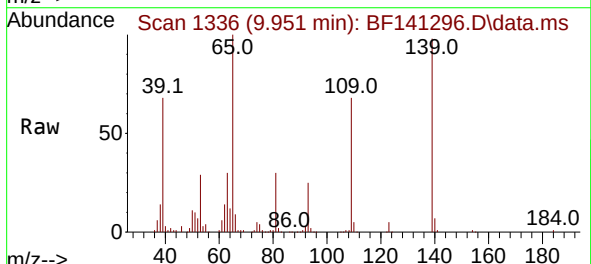
Tgt Ion:168 Resp: 120202
Ion Ratio Lower Upper
168 100
139 38.8 30.6 46.0
169 13.7 10.8 16.2

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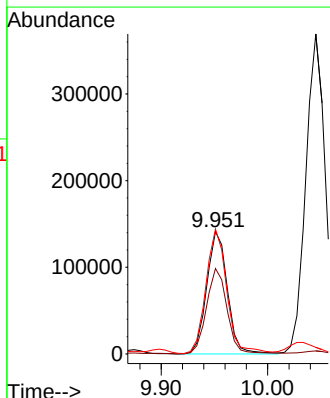
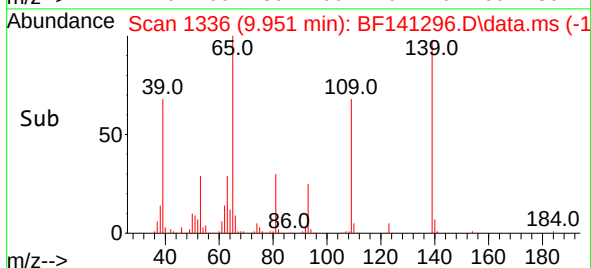
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

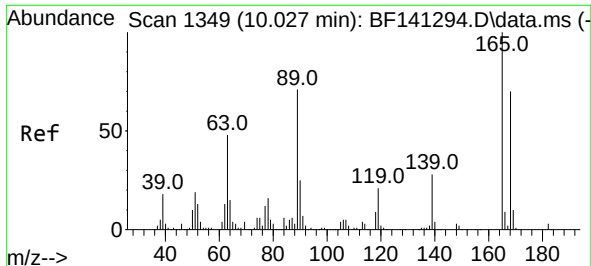


#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



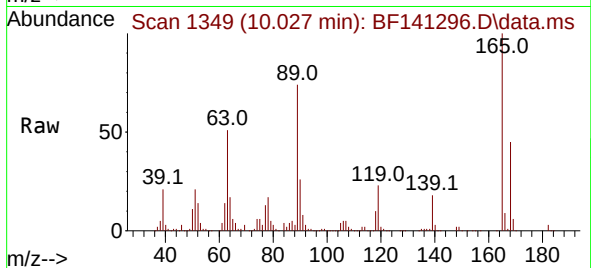
Tgt Ion:139 Resp: 190620
Ion Ratio Lower Upper
139 100
109 69.8 50.2 90.2
65 102.1 80.6 120.6





#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

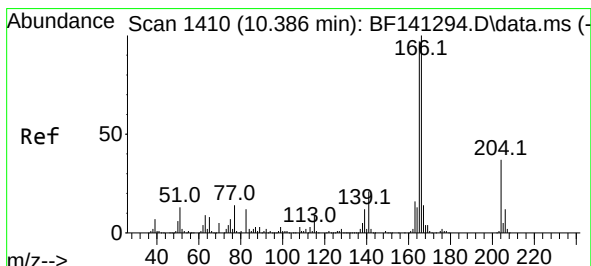
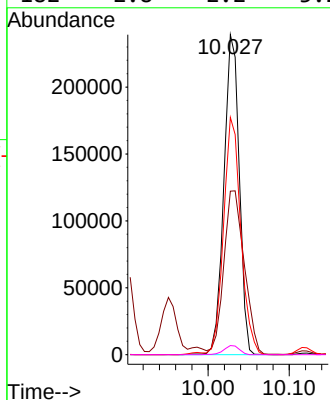
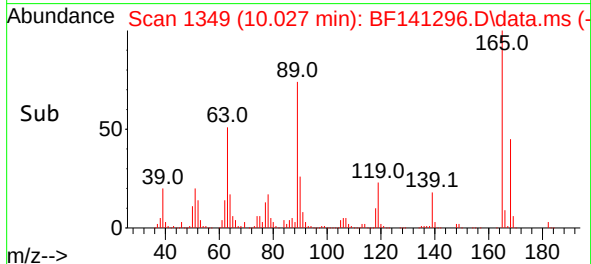
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



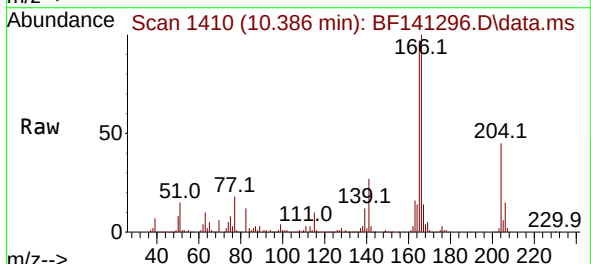
Tgt Ion:165 Resp: 31522
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 74.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

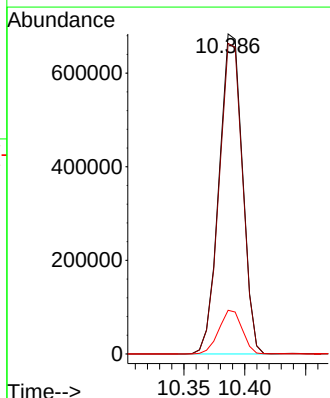
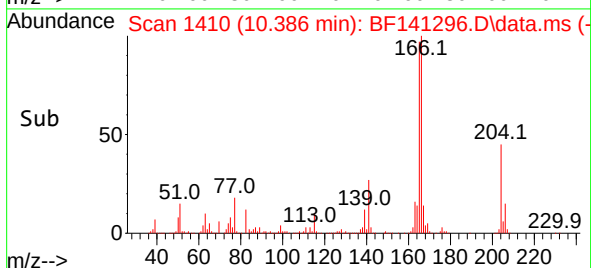
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

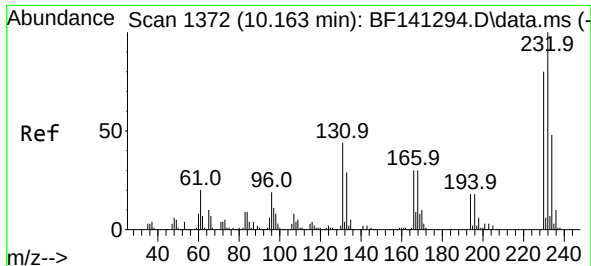


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



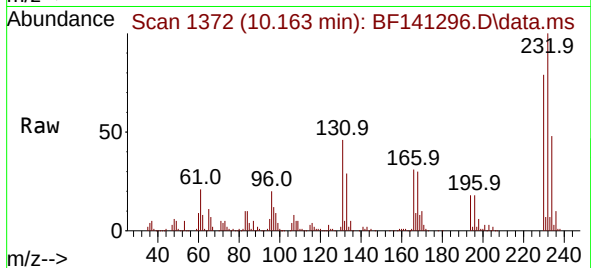
Tgt Ion:166 Resp: 915246
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 13.6 10.9 16.3





#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

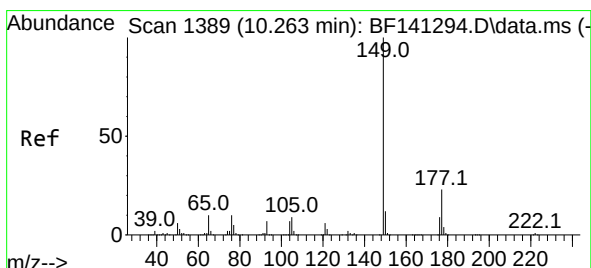
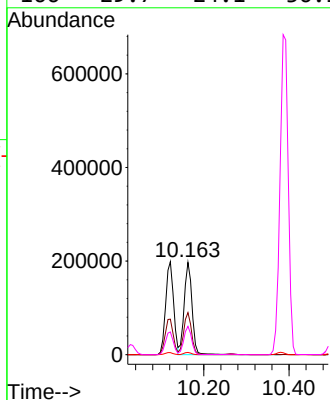
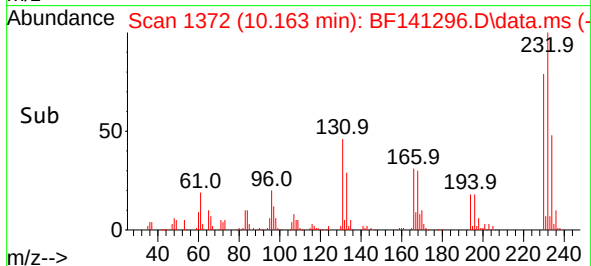
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



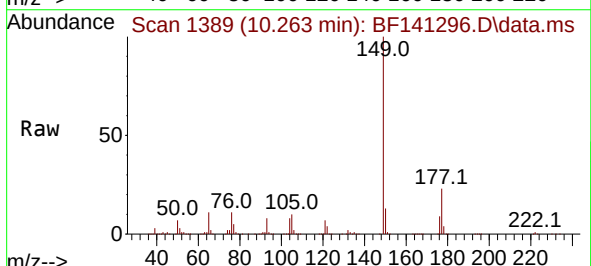
Tgt Ion:232 Resp: 252964
Ion Ratio Lower Upper
232 100
131 45.3 36.4 54.6
130 2.3 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
APPROVED

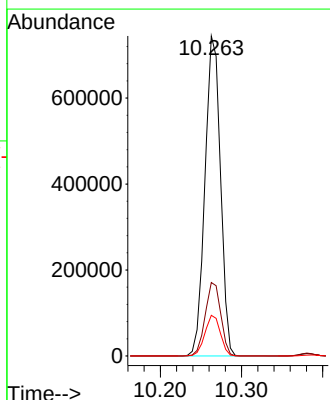
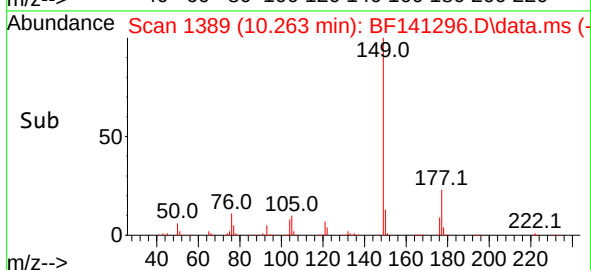
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

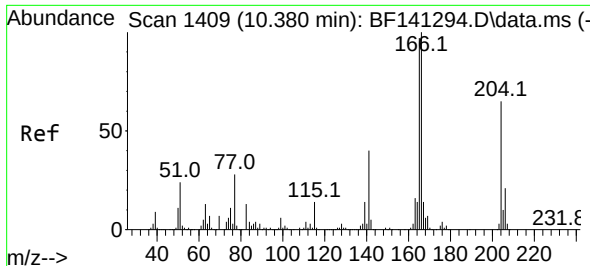


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



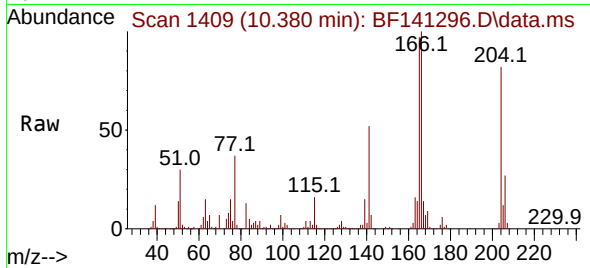
Tgt Ion:149 Resp: 983788
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.7 10.0 15.0





#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

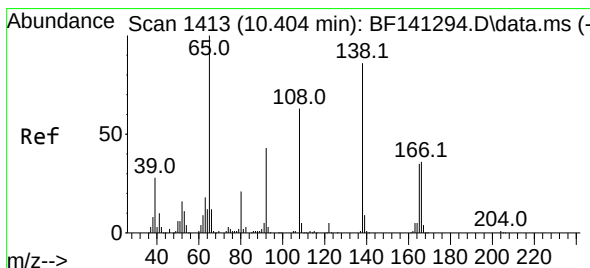
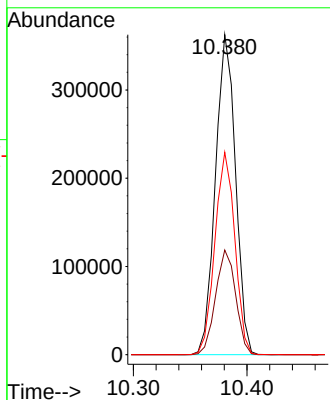
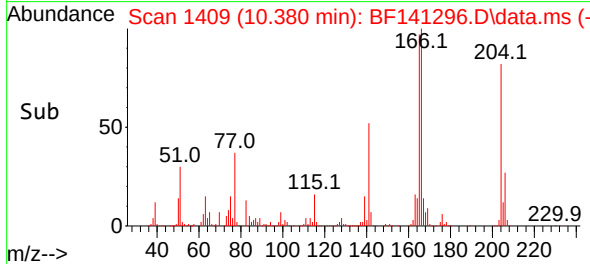
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



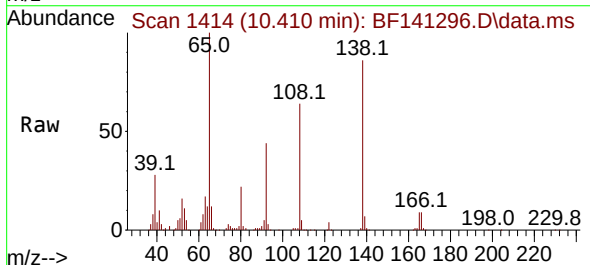
Tgt Ion:204 Resp: 44584
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.2 49.5 74.3

Manual Integrations
APPROVED

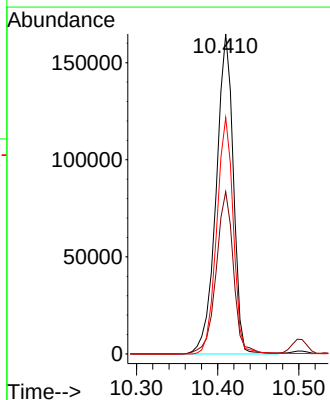
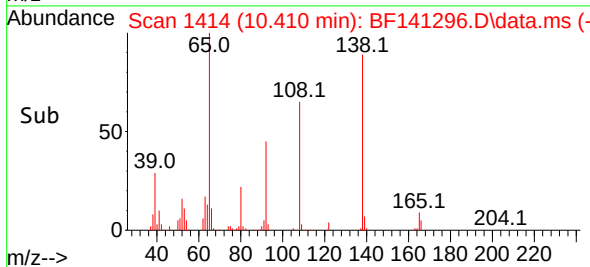
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

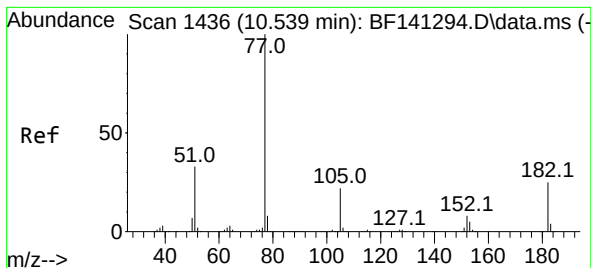


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



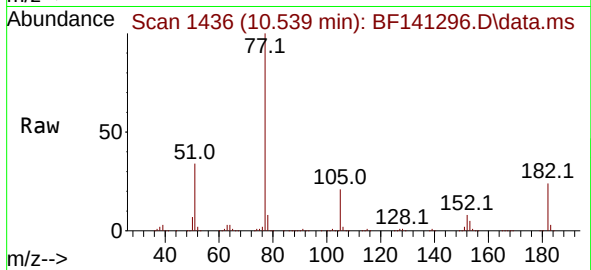
Tgt Ion:138 Resp: 242716
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 73.8 53.1 93.1





#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

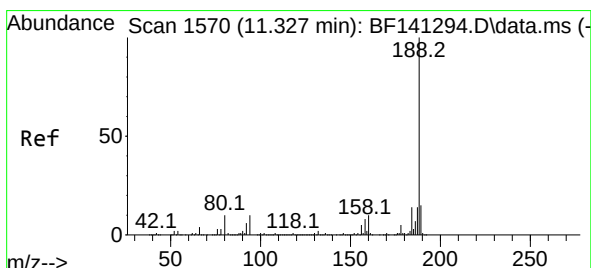
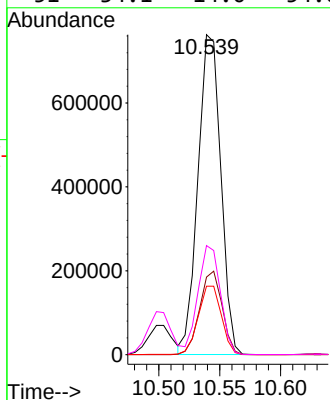
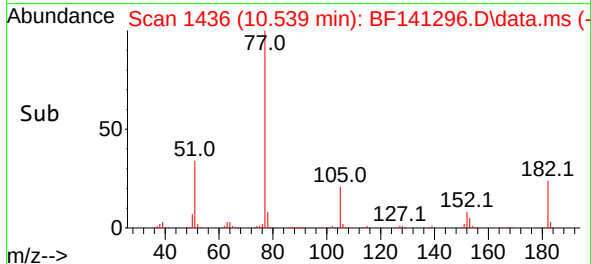
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



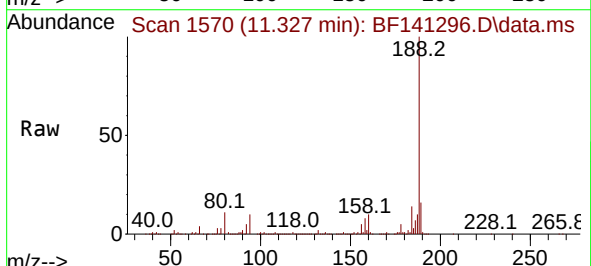
Tgt Ion: 77 Resp: 996600
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.4 1.8 41.8
51 34.1 14.0 54.0

Manual Integrations
APPROVED

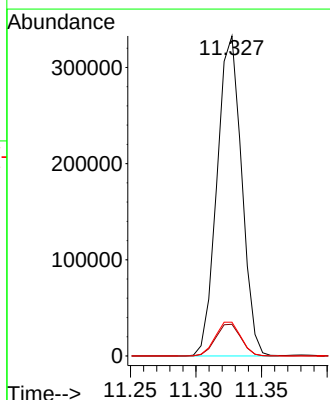
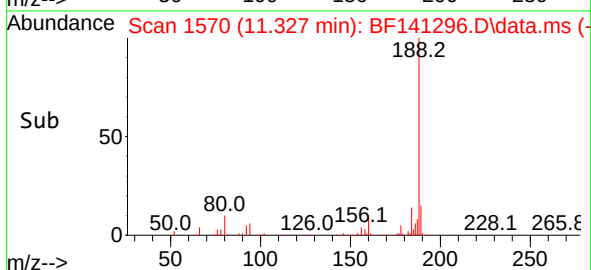
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

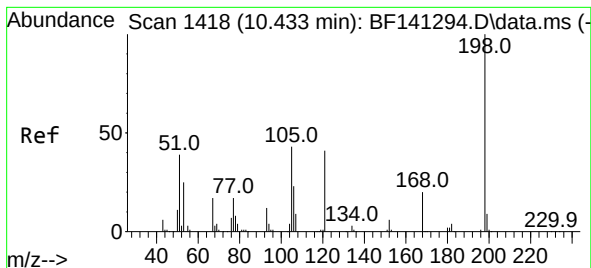


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



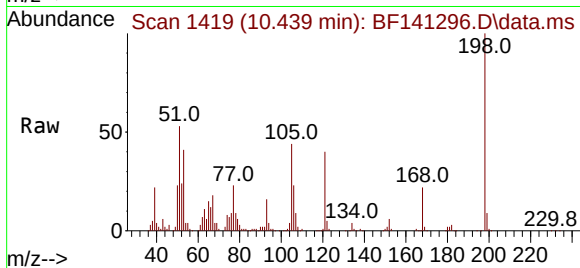
Tgt Ion:188 Resp: 434671
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.2 12.4





#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

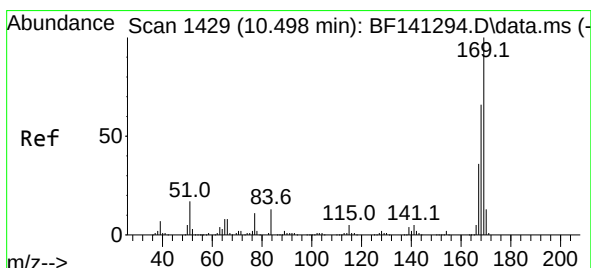
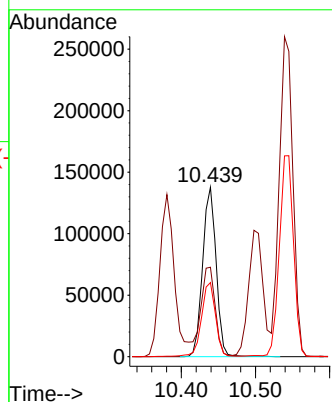
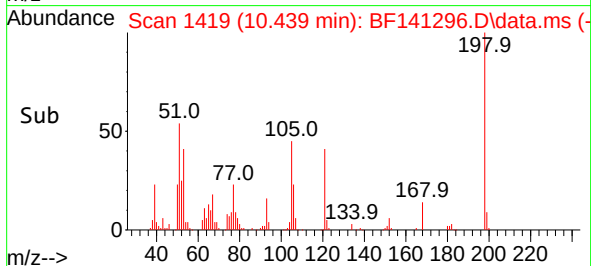
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



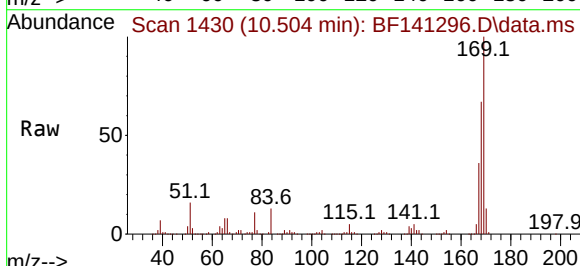
Tgt Ion:198 Resp: 17424
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.7 24.4 64.4

Manual Integrations
APPROVED

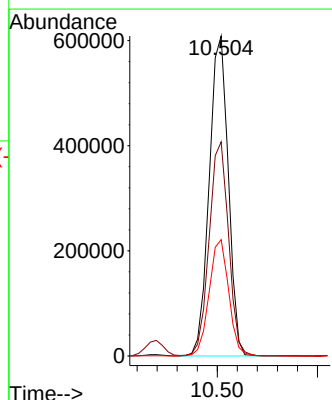
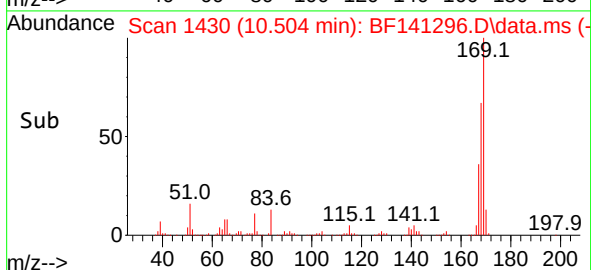
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

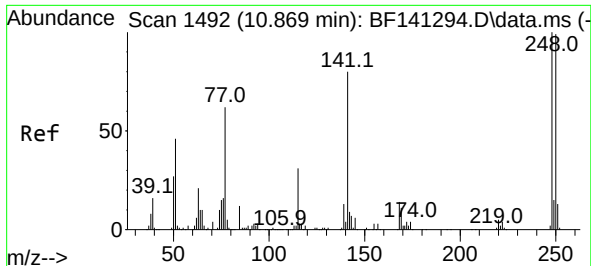


#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



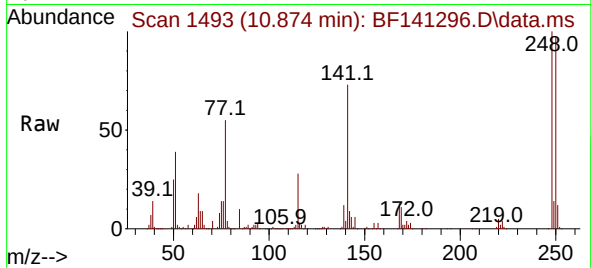
Tgt Ion:169 Resp: 800147
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.3 28.8 43.2





#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

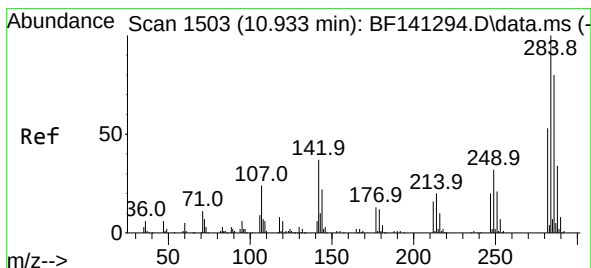
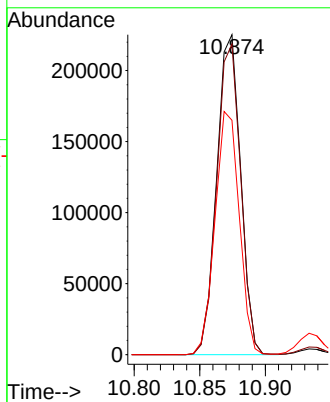
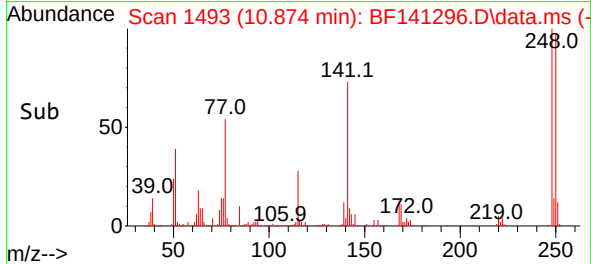
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



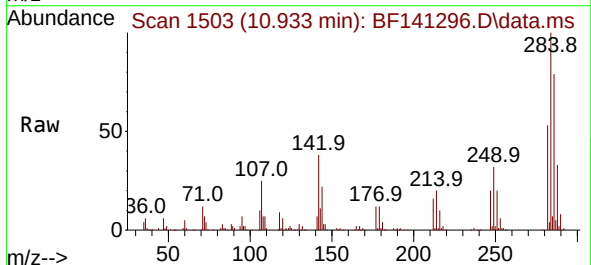
Tgt Ion:248 Resp: 28664
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 73.2 63.7 95.5

Manual Integrations
APPROVED

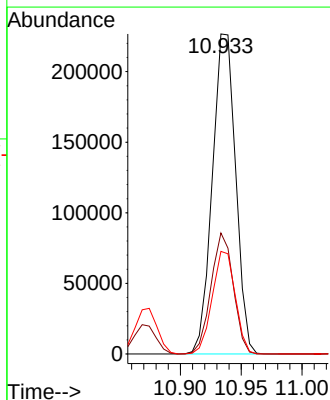
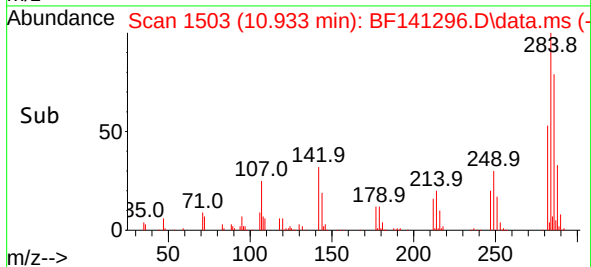
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

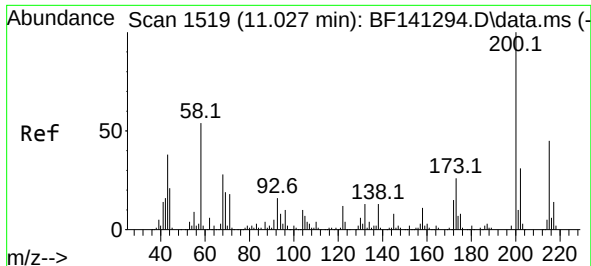


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



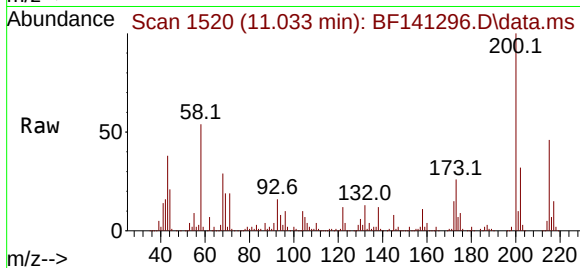
Tgt Ion:284 Resp: 302508
Ion Ratio Lower Upper
284 100
142 37.8 29.5 44.3
249 32.0 25.4 38.2





#69
 Atrazine
 Concen: 66.863 ng
 RT: 11.033 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF141296.D
 Acq: 29 Jan 2025 16:38

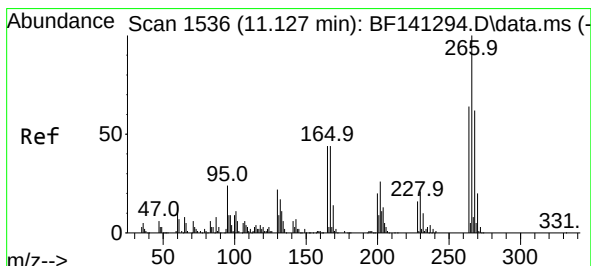
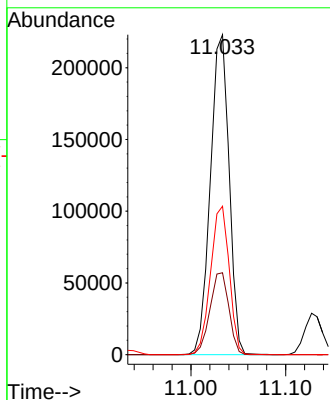
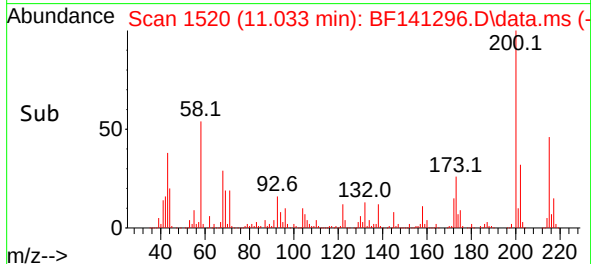
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



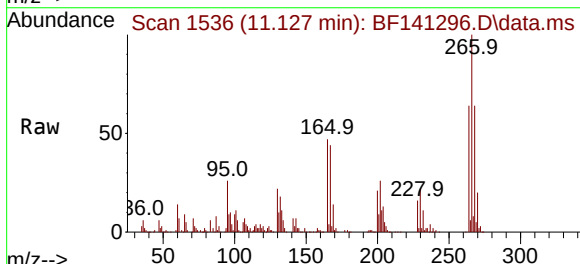
Tgt Ion:200 Resp: 306524
 Ion Ratio Lower Upper
 200 100
 173 25.6 5.9 45.9
 215 46.4 25.2 65.2

Manual Integrations
 APPROVED

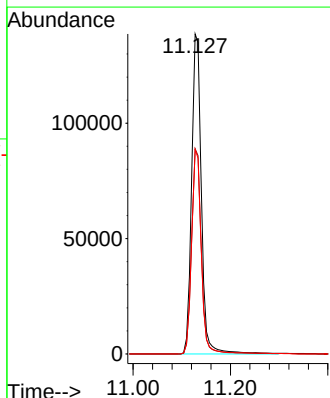
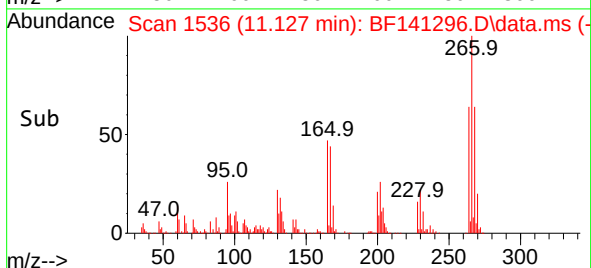
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

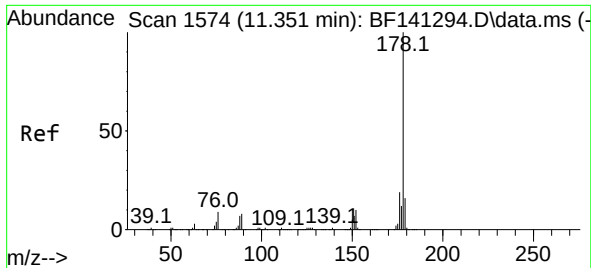


#70
 Pentachlorophenol
 Concen: 65.443 ng
 RT: 11.127 min Scan# 1536
 Delta R.T. -0.000 min
 Lab File: BF141296.D
 Acq: 29 Jan 2025 16:38



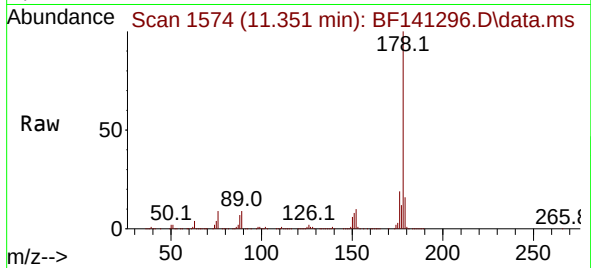
Tgt Ion:266 Resp: 194335
 Ion Ratio Lower Upper
 266 100
 268 64.1 49.9 74.9
 264 63.9 51.0 76.4





#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

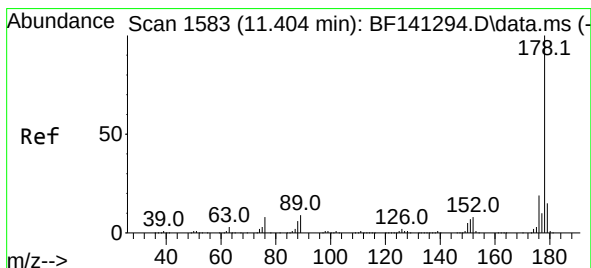
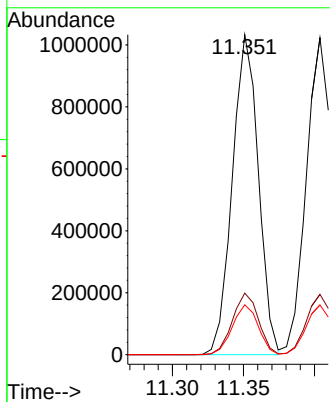
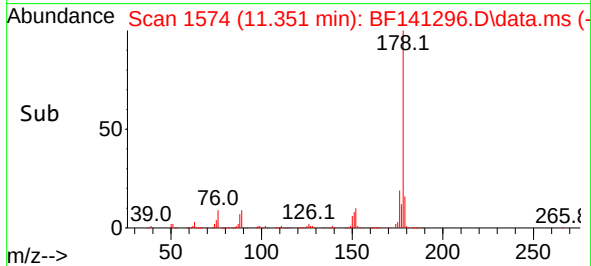
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



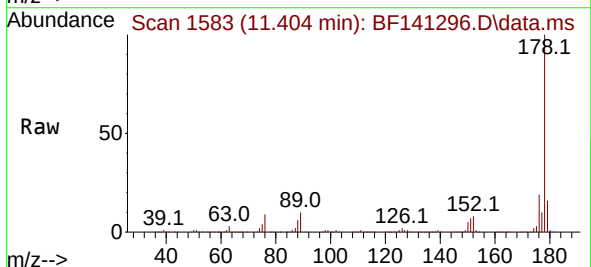
Tgt Ion:178 Resp: 1316980
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.5 18.7

Manual Integrations
APPROVED

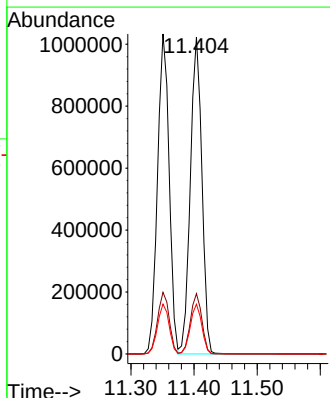
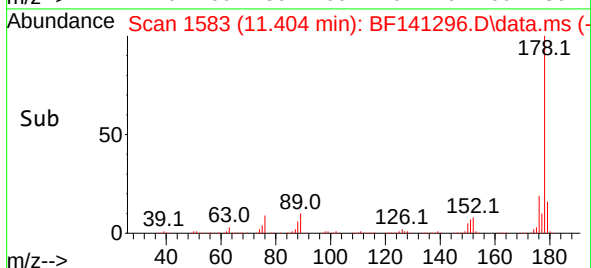
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

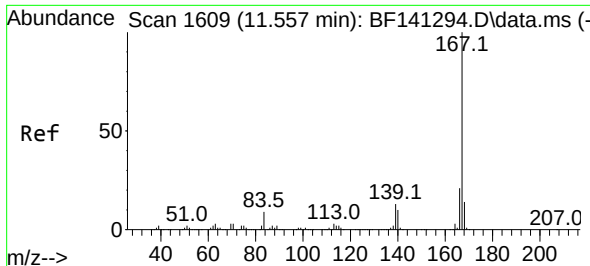


#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



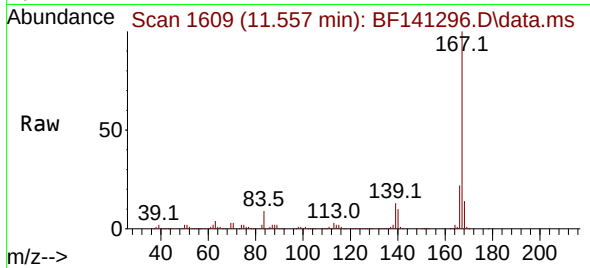
Tgt Ion:178 Resp: 1298334
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.7 12.3 18.5





#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

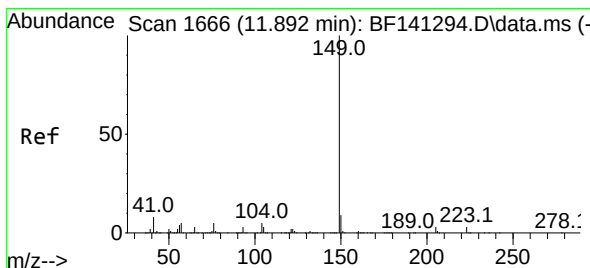
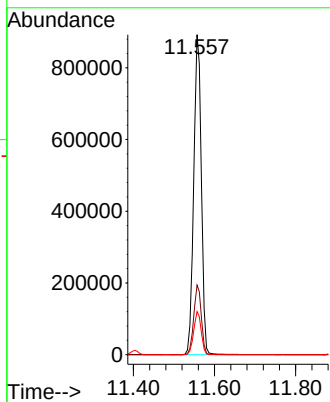
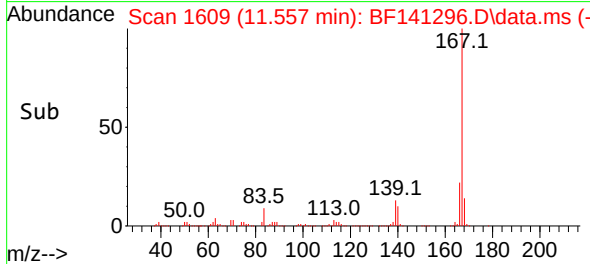
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



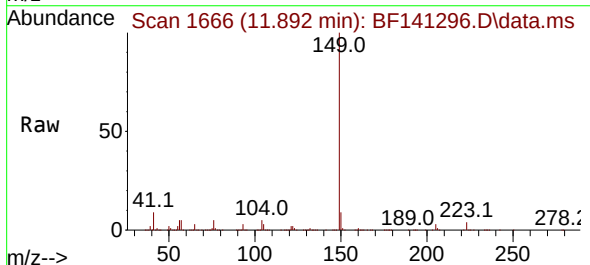
Tgt Ion:167 Resp: 1173330
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.4 10.6 16.0

Manual Integrations
 APPROVED

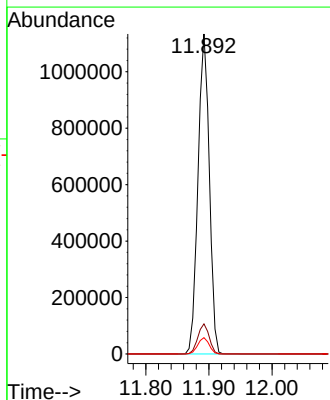
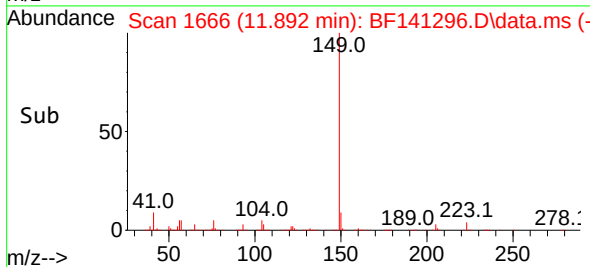
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

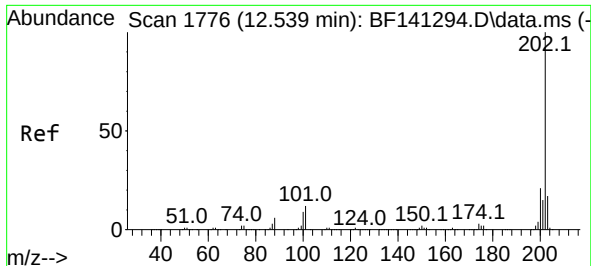


#74
 Di-n-butylphthalate
 Concen: 55.325 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. -0.000 min
 Lab File: BF141296.D
 Acq: 29 Jan 2025 16:38



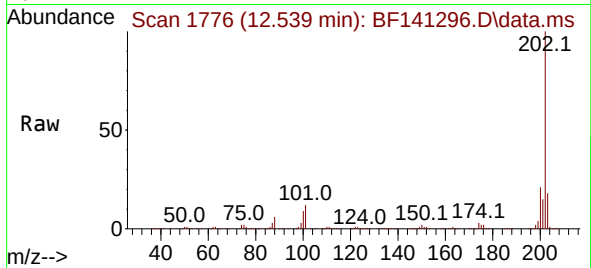
Tgt Ion:149 Resp: 1410222
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 5.1 3.9 5.9





#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

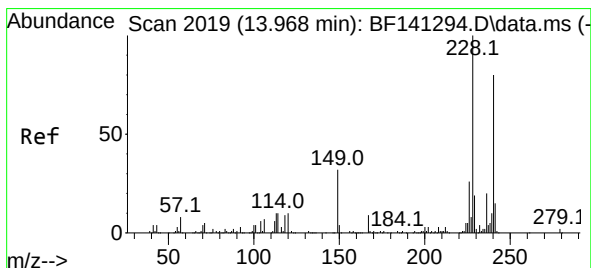
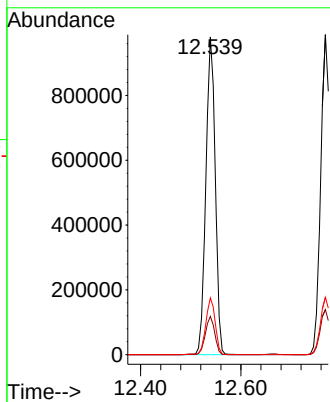
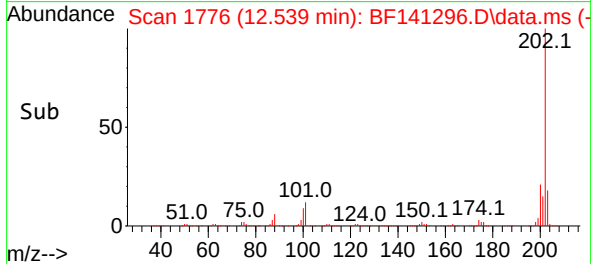
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



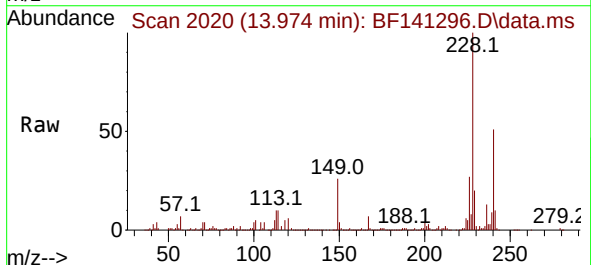
Tgt Ion:202 Resp: 127999
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.5

Manual Integrations
APPROVED

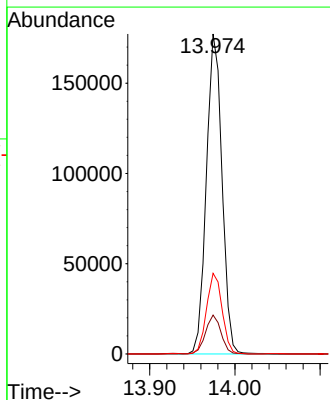
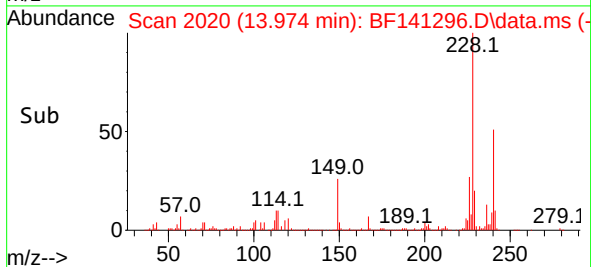
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

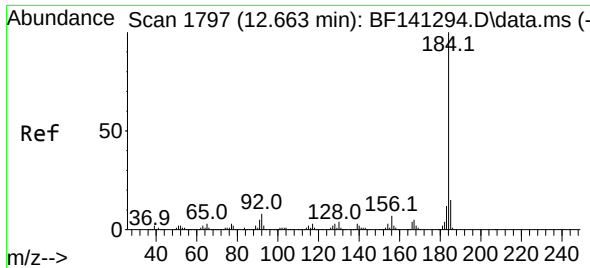


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



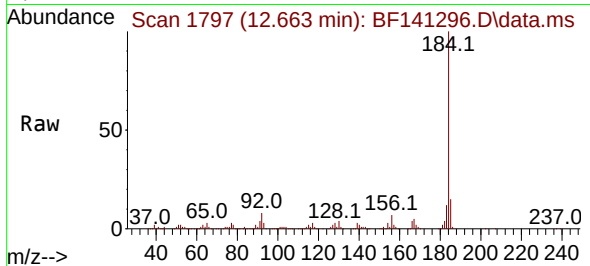
Tgt Ion:240 Resp: 225615
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.2 19.7 29.5





#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

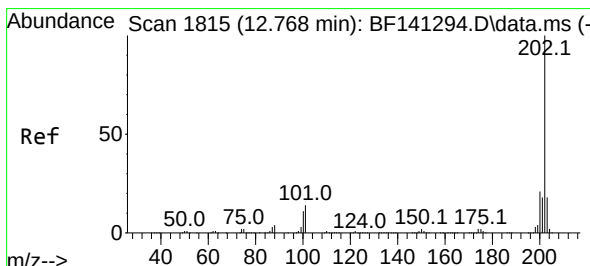
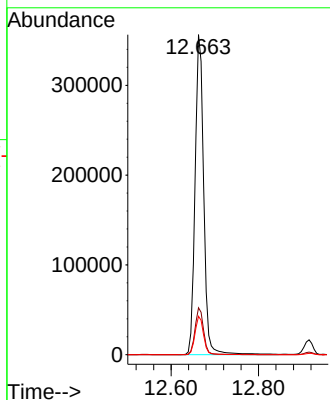
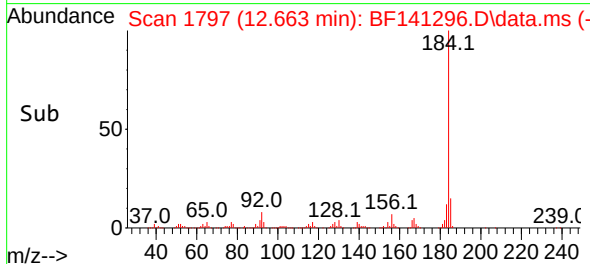
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



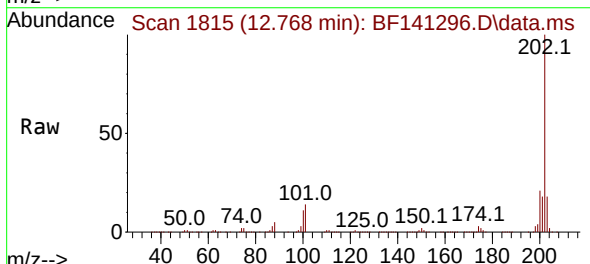
Tgt Ion:184 Resp: 490009
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 12.0 9.5 14.3

Manual Integrations
APPROVED

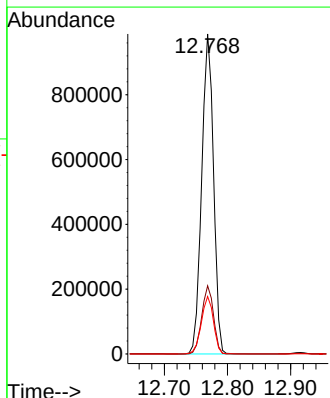
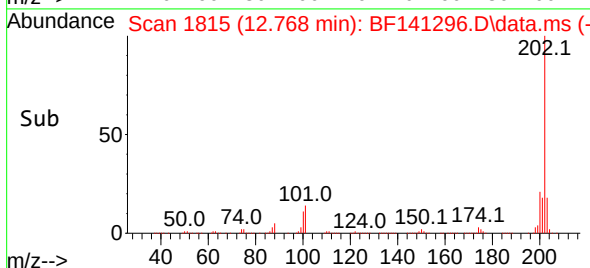
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

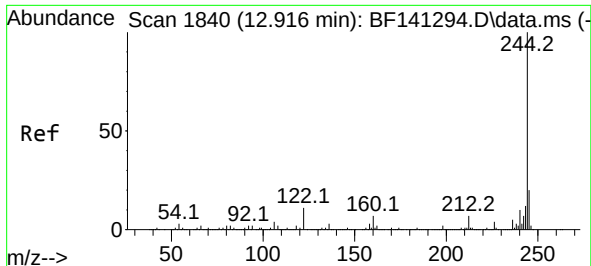


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



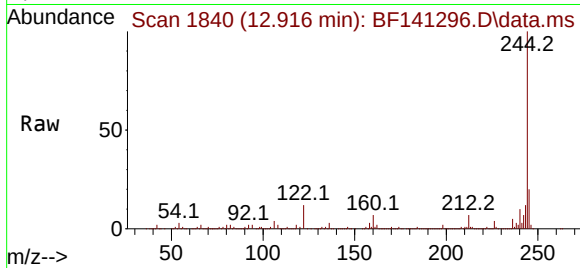
Tgt Ion:202 Resp: 1284820
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#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

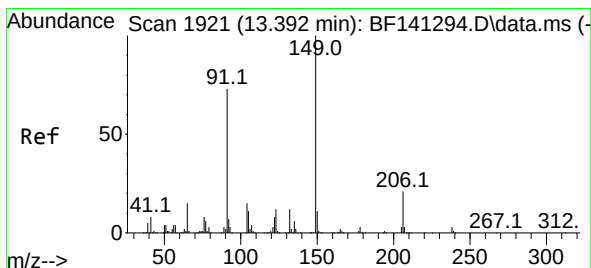
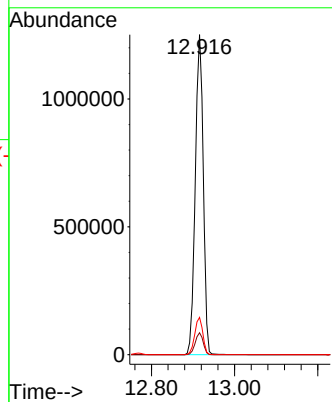
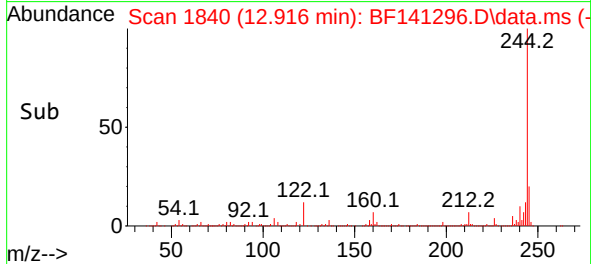
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



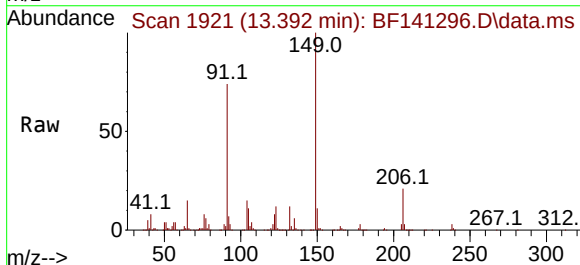
Tgt Ion:244 Resp: 166559
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.6 8.8 13.2

Manual Integrations
 APPROVED

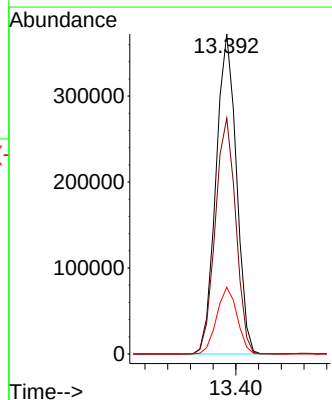
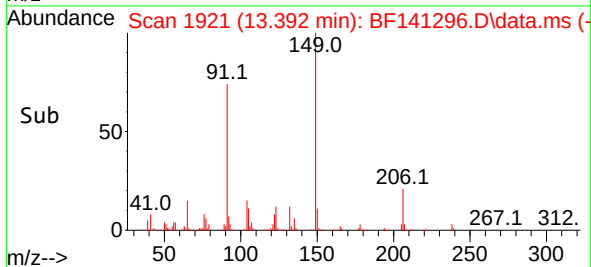
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

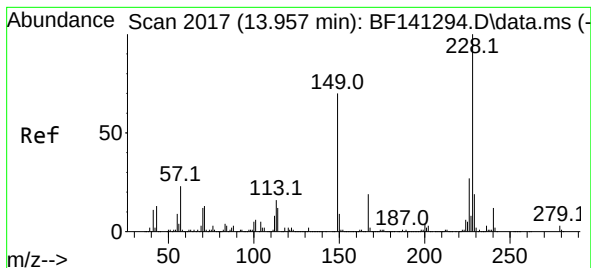


#80
 Butylbenzylphthalate
 Concen: 60.745 ng
 RT: 13.392 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF141296.D
 Acq: 29 Jan 2025 16:38



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# 2017

Delta R.T. -0.000 min

Lab File: BF141296.D

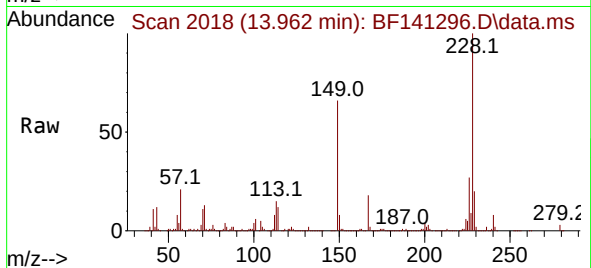
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:228 Resp: 917219

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

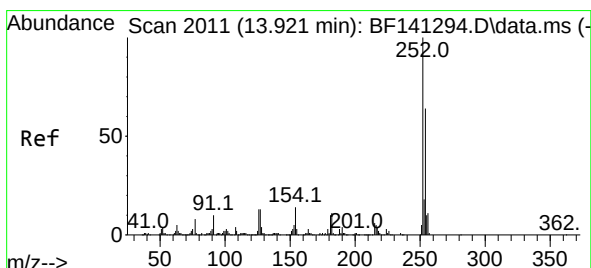
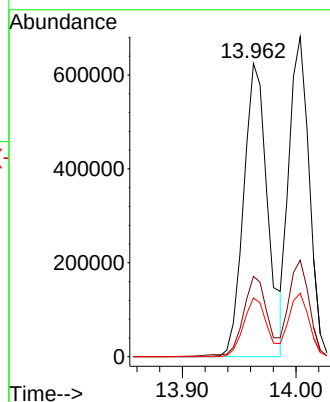
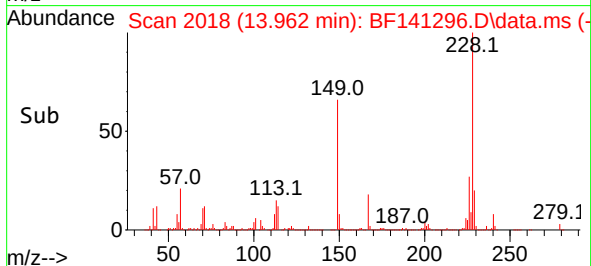
229 20.0 15.5 23.3

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

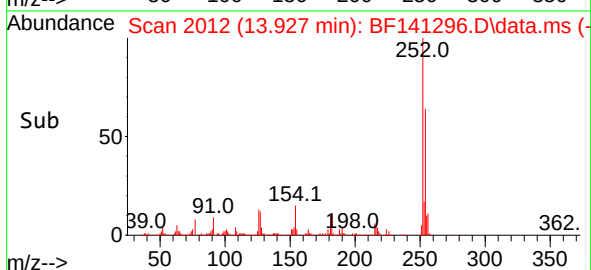
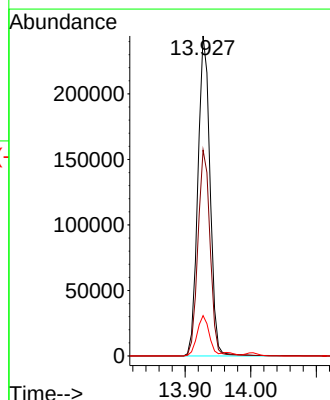
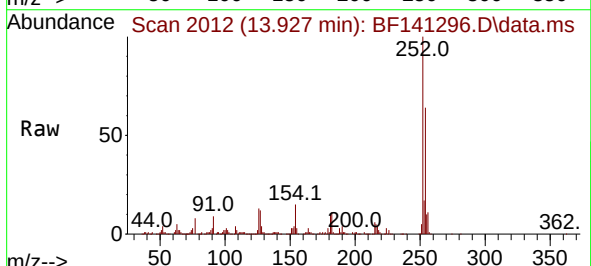
Tgt Ion:252 Resp: 315503

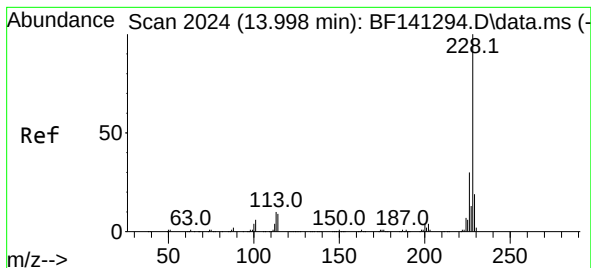
Ion Ratio Lower Upper

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# 20

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

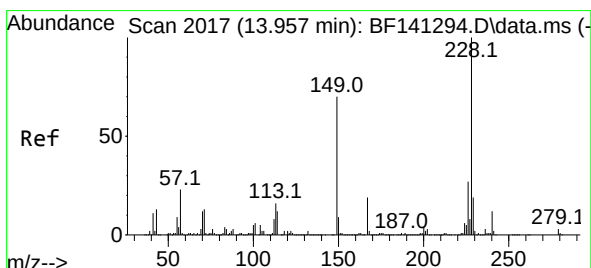
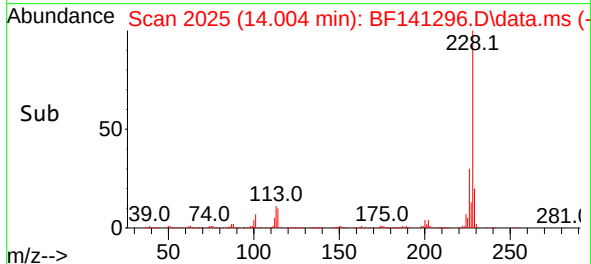
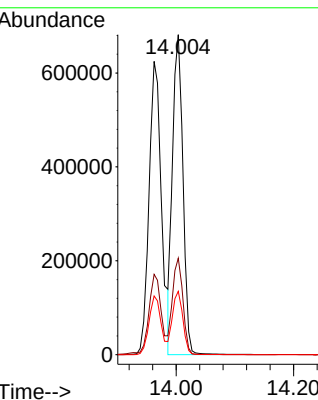
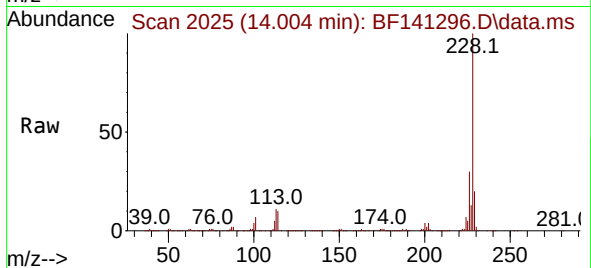
229 19.8 15.6 23.4

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

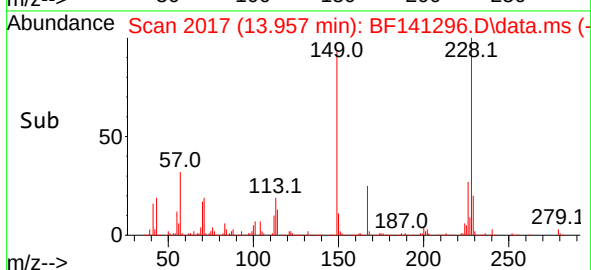
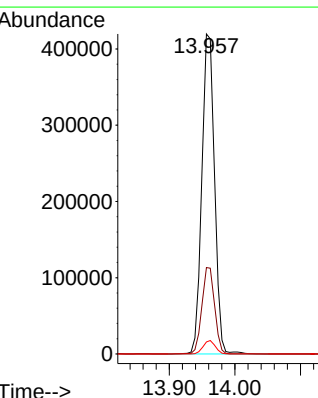
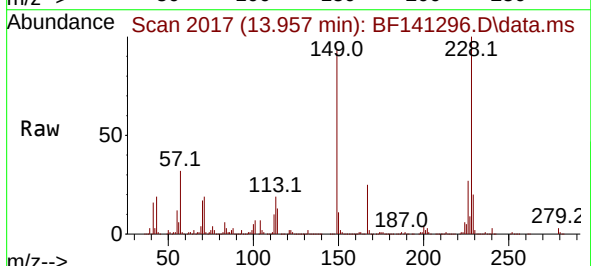
Tgt Ion:149 Resp: 564642

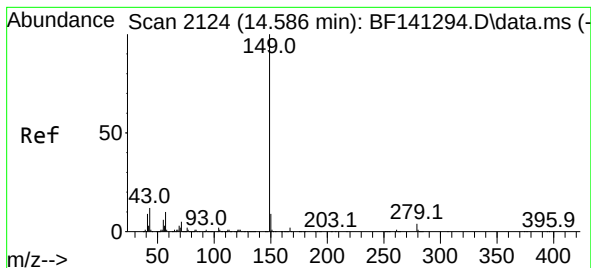
Ion Ratio Lower Upper

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

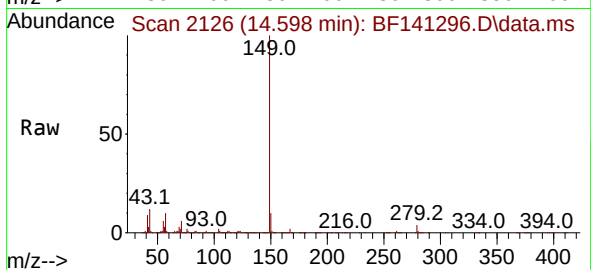
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:149 Resp: 95147

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

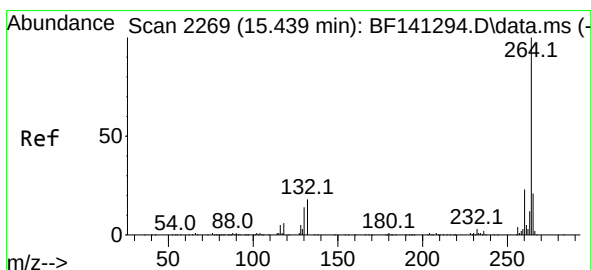
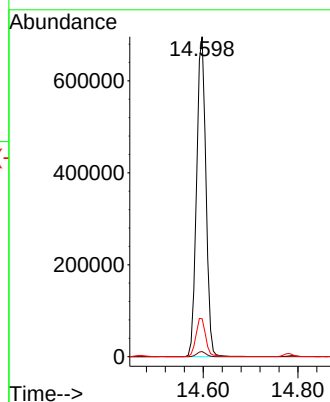
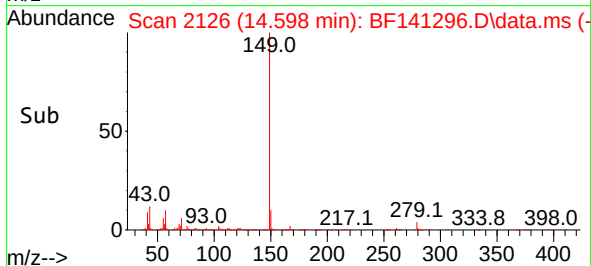
43 12.6 9.8 14.8

Manual Integrations

APPROVED

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

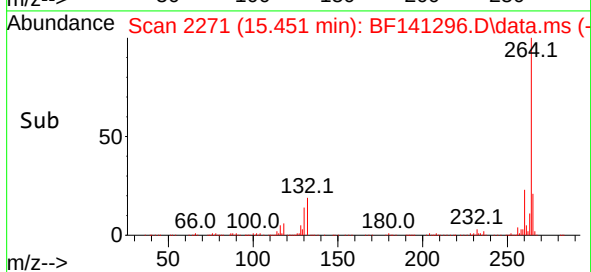
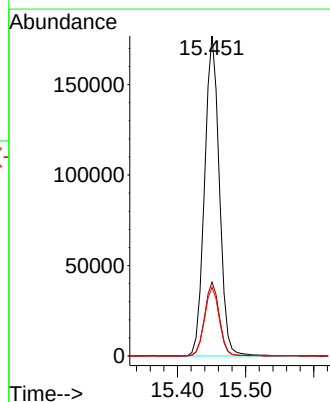
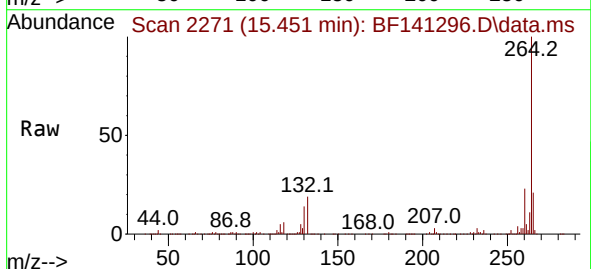
Tgt Ion:264 Resp: 265921

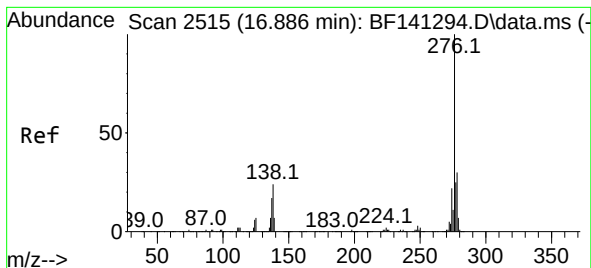
Ion Ratio Lower Upper

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

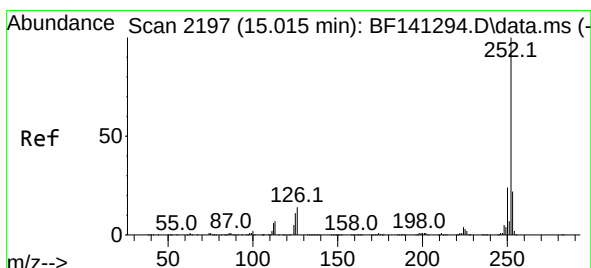
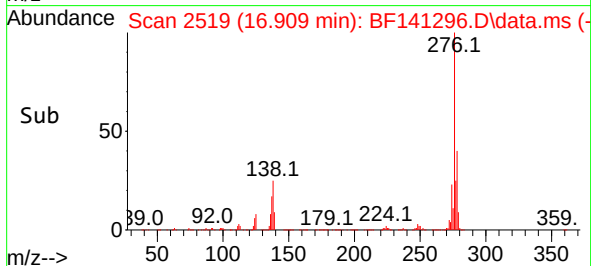
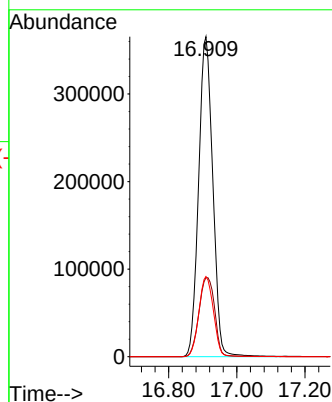
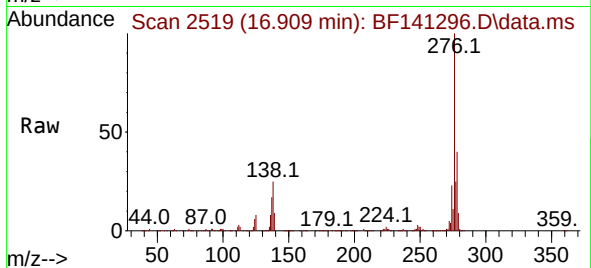
277 25.8 20.3 30.5

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

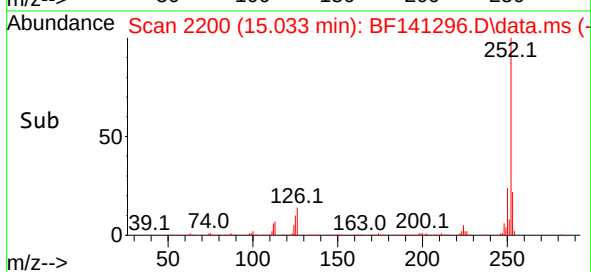
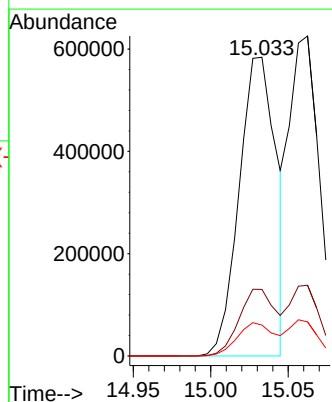
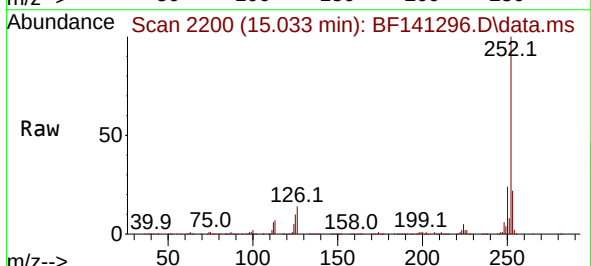
Tgt Ion:252 Resp: 971433

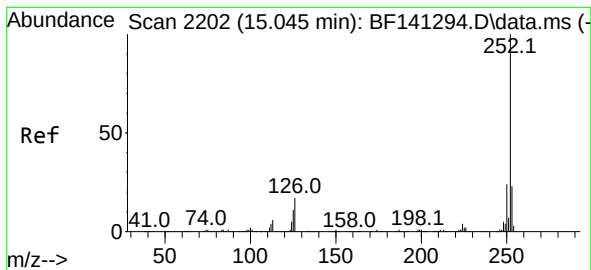
Ion Ratio Lower Upper

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

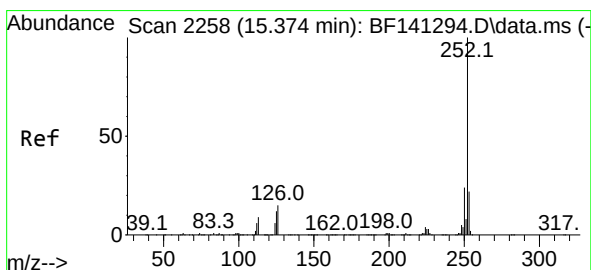
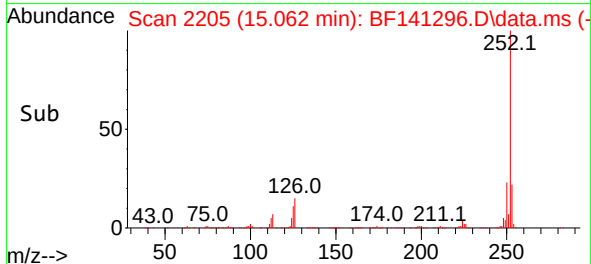
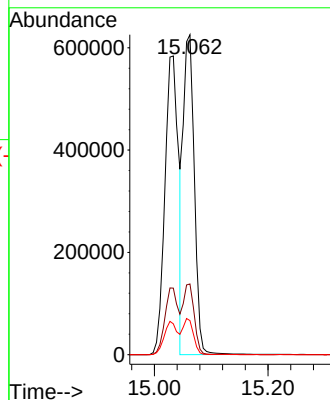
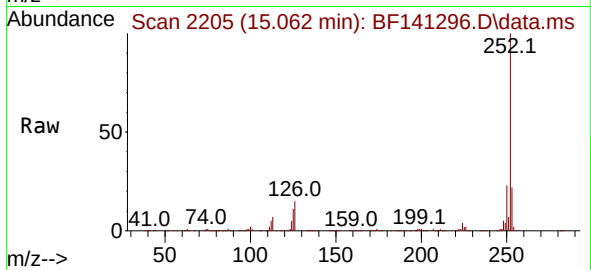
Tgt Ion:252 Resp: 84584
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.6 26.4
 125 10.6 8.4 12.6

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

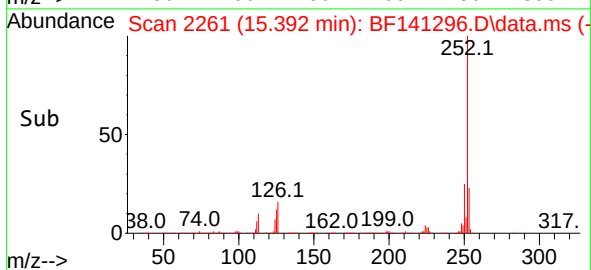
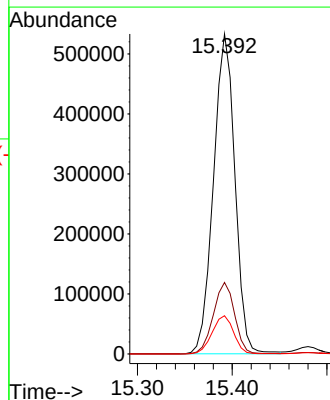
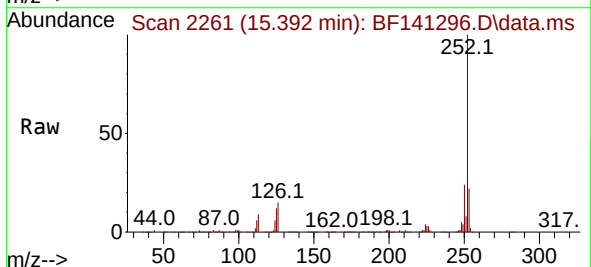
RT: 15.392 min Scan# 2261

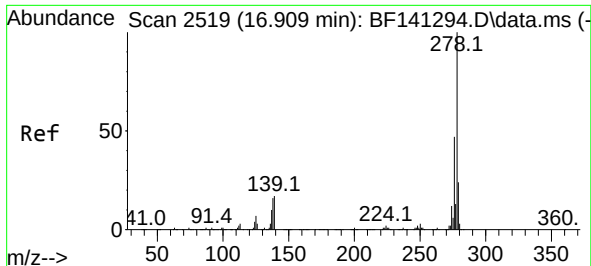
Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

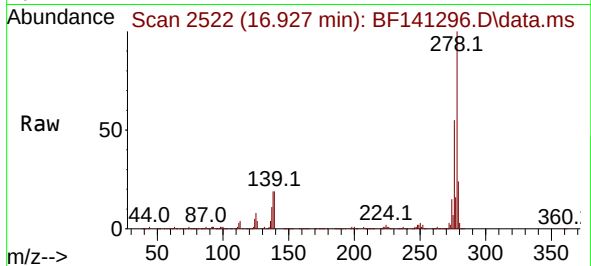
Tgt Ion:252 Resp: 838283
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.2 25.8
 125 12.0 9.4 14.2





#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

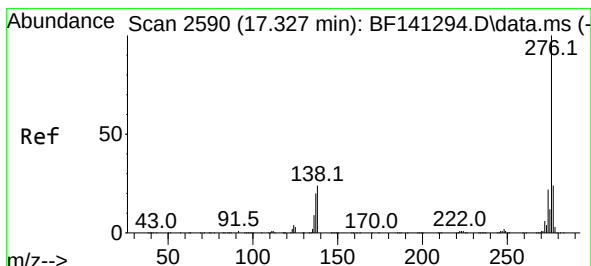
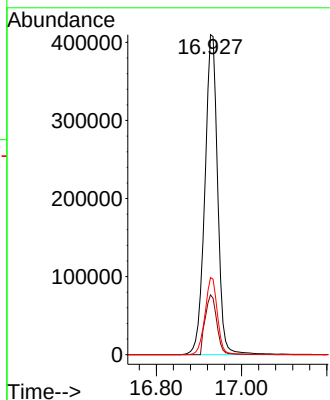
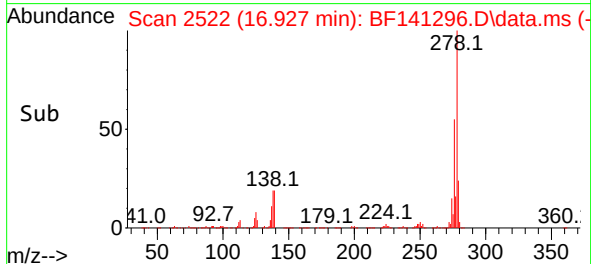
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



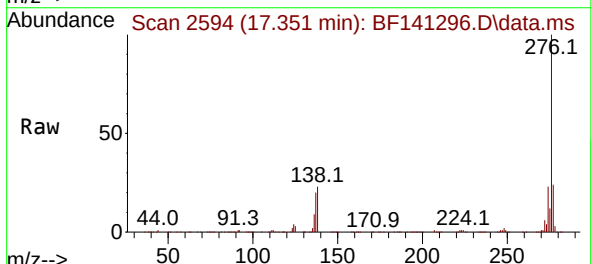
Tgt Ion:278 Resp: 854214
Ion Ratio Lower Upper
278 100
139 18.7 13.9 20.9
279 24.1 18.8 28.2

Manual Integrations
APPROVED

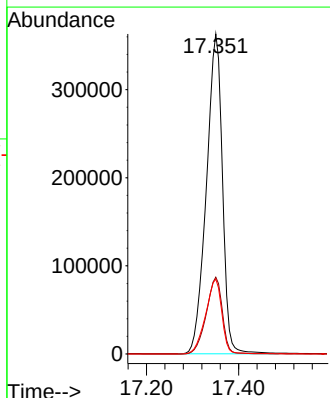
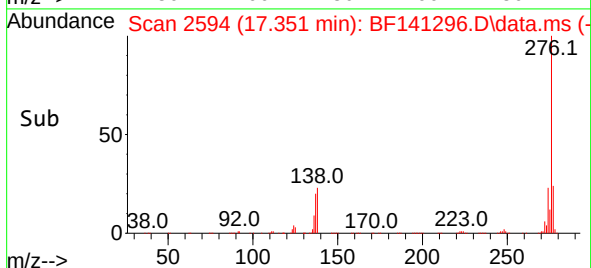
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

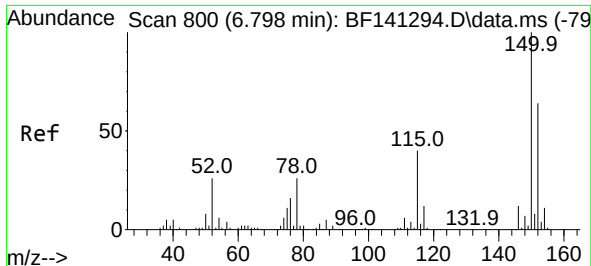
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

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

- 1
- 2
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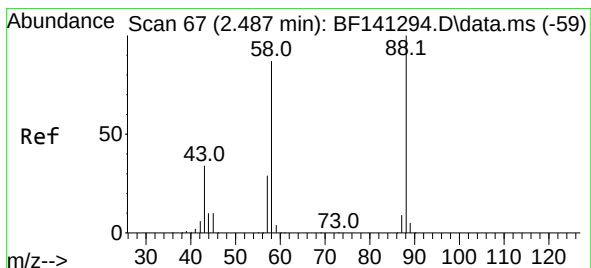
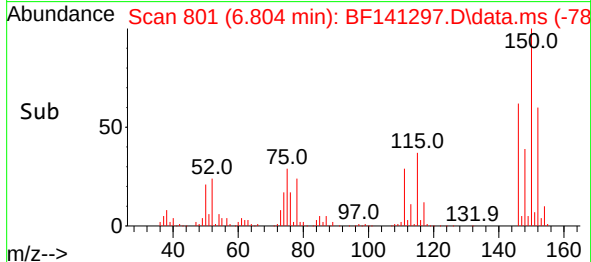
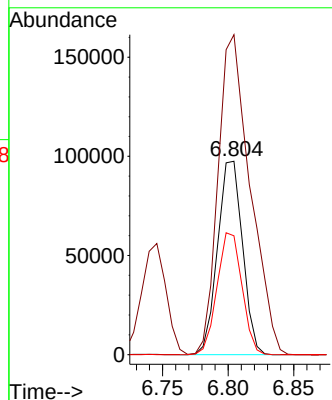
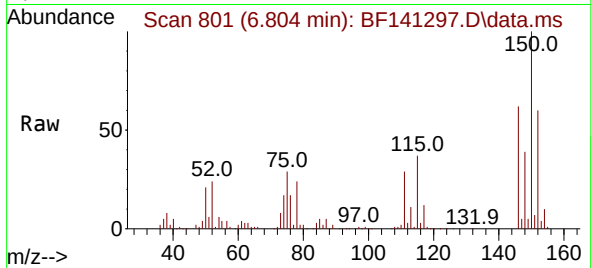
1



#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

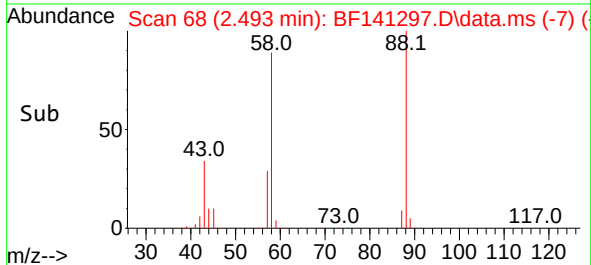
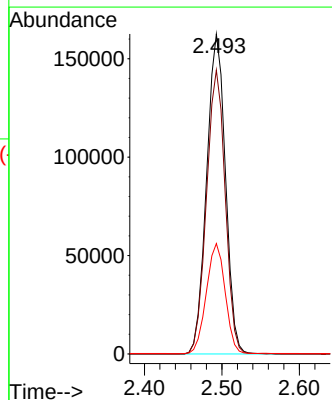
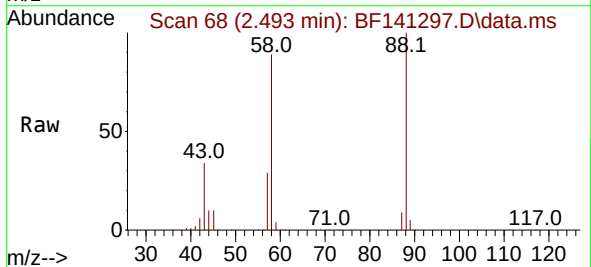
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

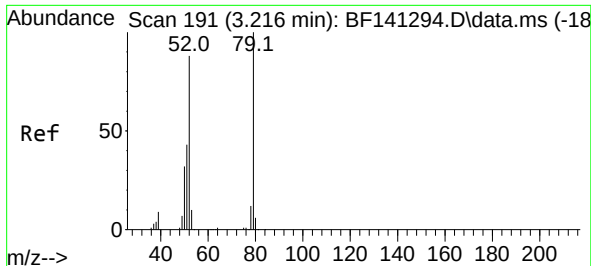
Tgt Ion:152 Resp: 129386
Ion Ratio Lower Upper
152 100
150 165.5 125.9 188.9
115 61.4 49.7 74.5



#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

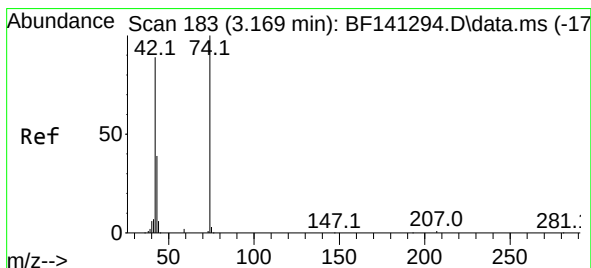
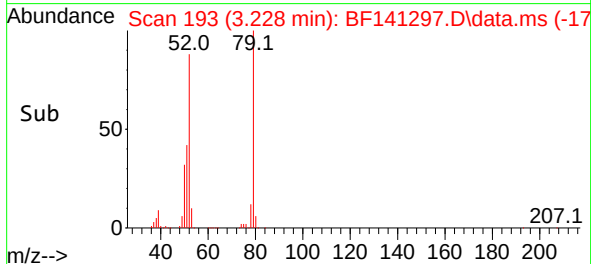
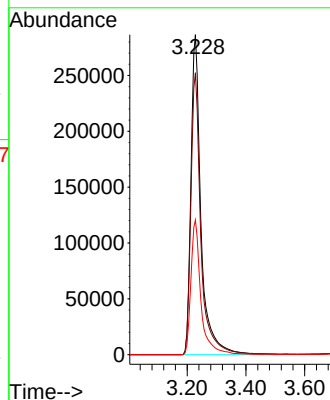
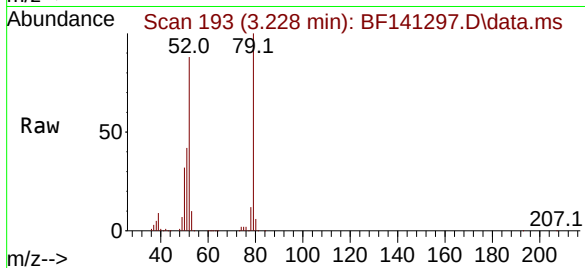
Tgt Ion: 79 Resp: 684346

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

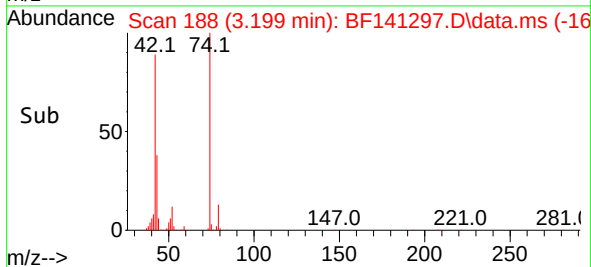
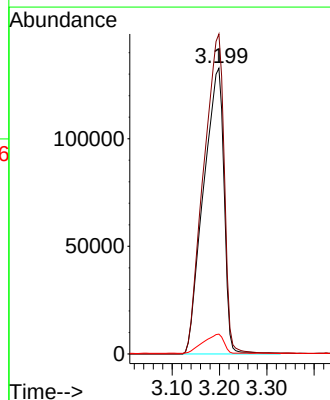
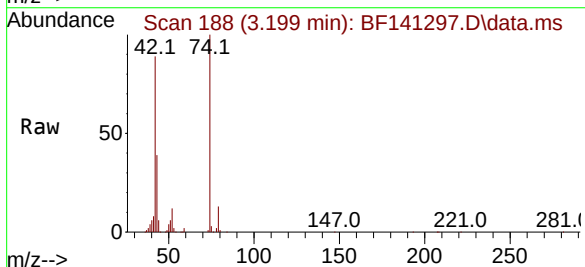
Tgt Ion: 42 Resp: 399245

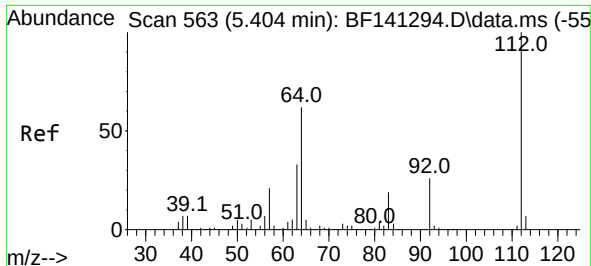
Ion Ratio Lower Upper

42 100

74 112.0 90.3 135.5

44 6.9 5.7 8.5

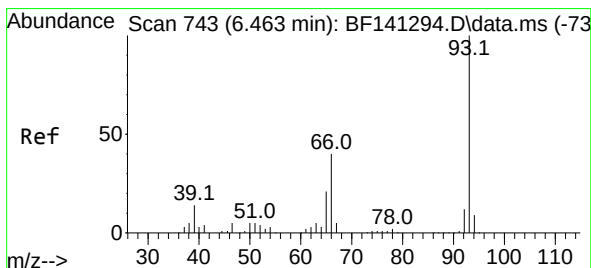
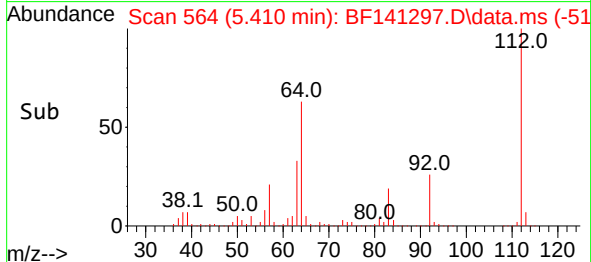
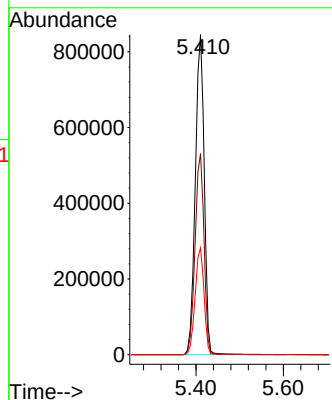
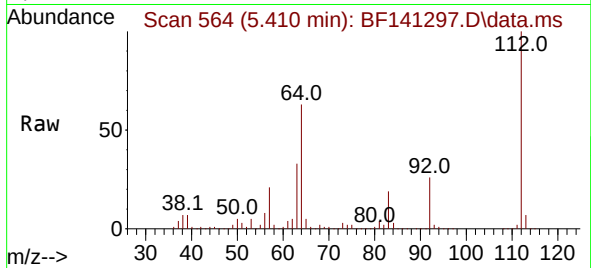




#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

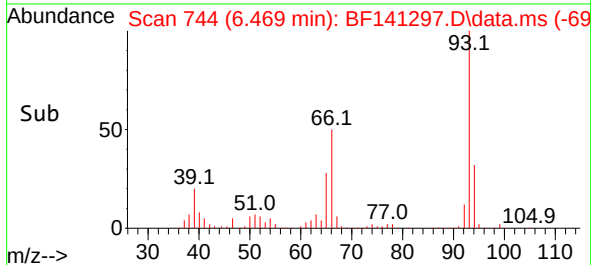
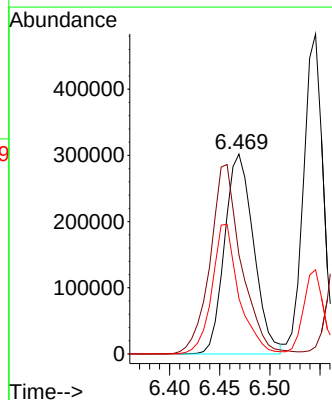
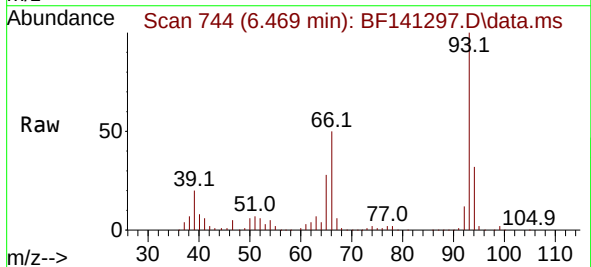
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

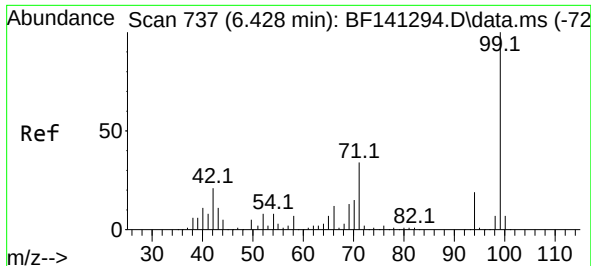
Tgt Ion:112 Resp: 1203835
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.4 26.1 39.1



#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#

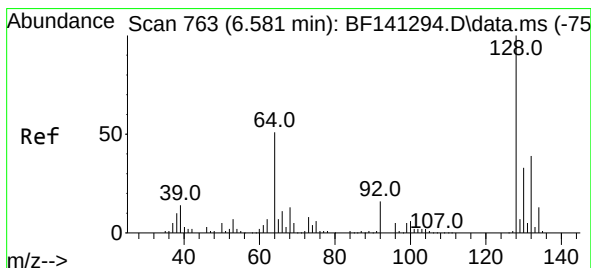
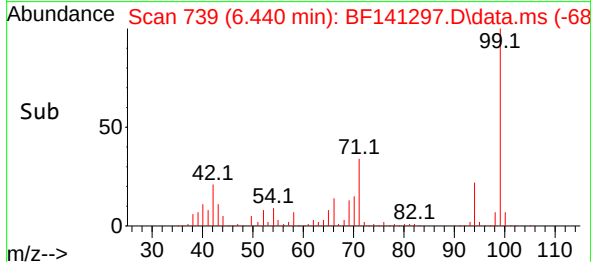
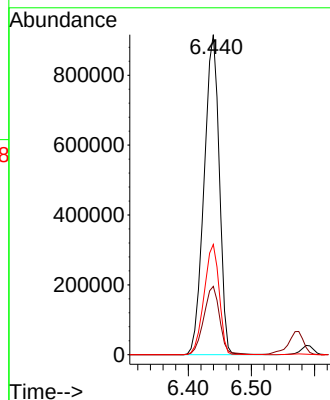
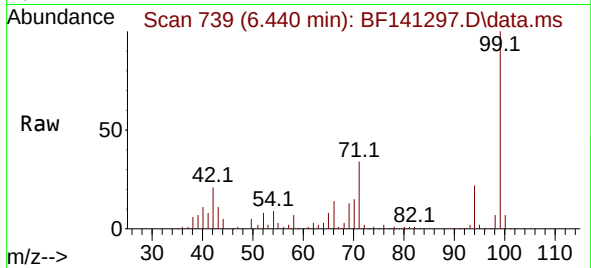




#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

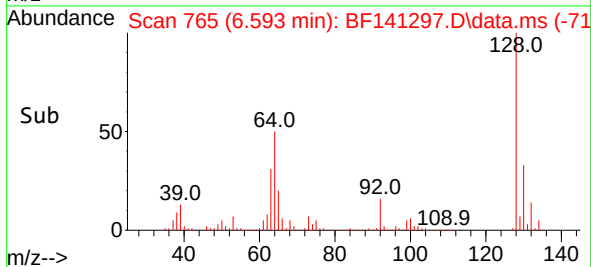
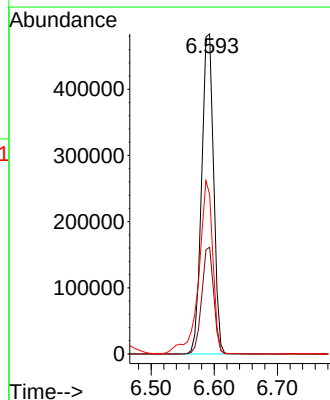
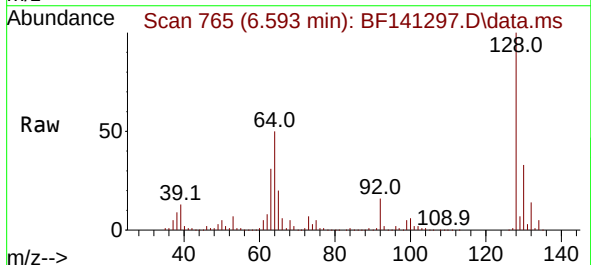
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BNA_F
ClientSampleId :
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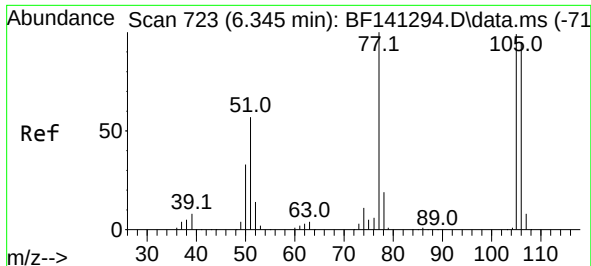
Tgt Ion: 99 Resp: 1526343
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 34.4 26.9 40.3



#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

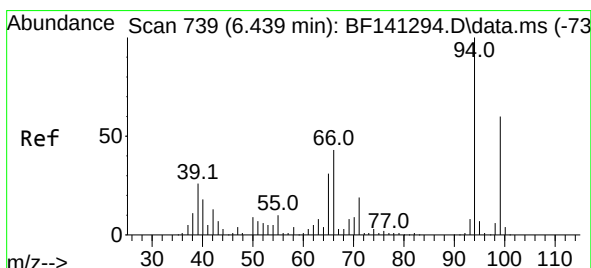
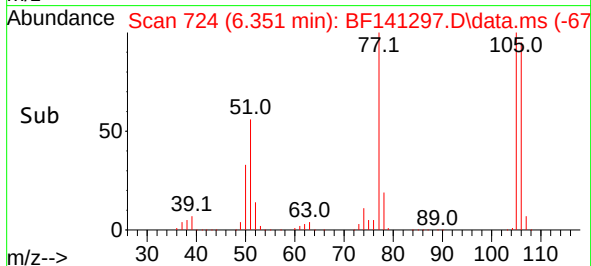
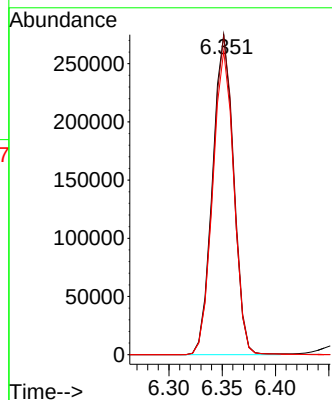
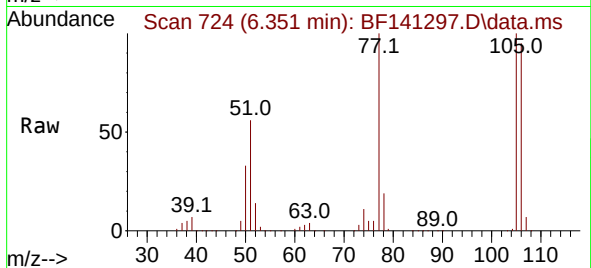




#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

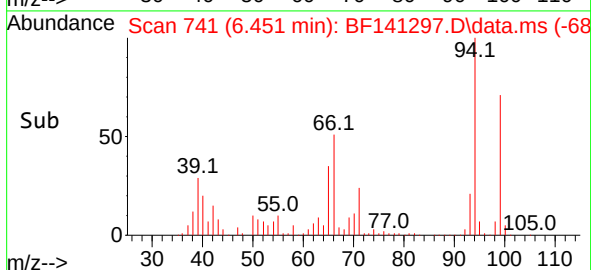
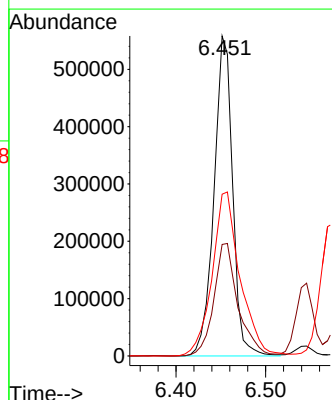
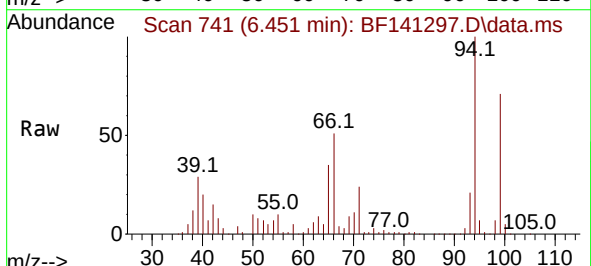
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

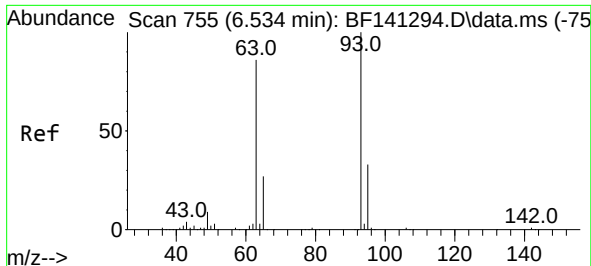
Tgt Ion: 77 Resp: 376227
Ion Ratio Lower Upper
77 100
105 99.7 79.4 119.4
106 94.9 74.6 114.6



#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



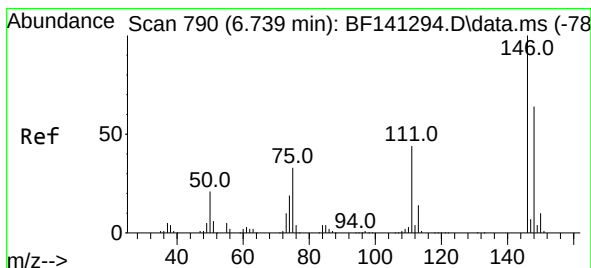
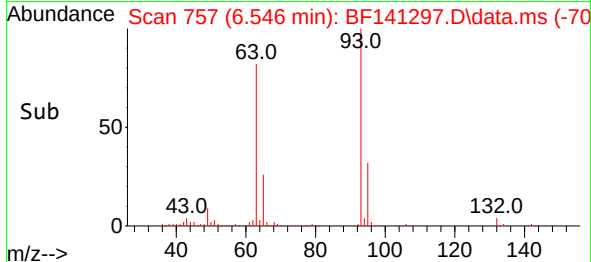
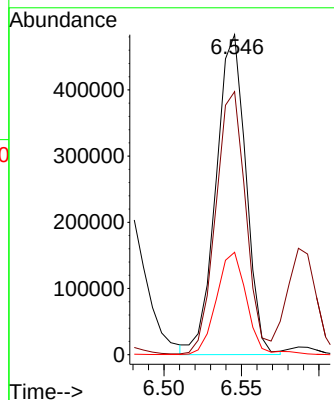
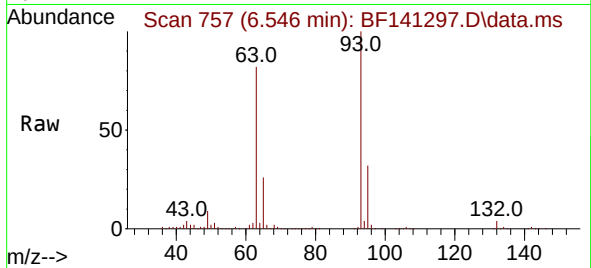


#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 701
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 648287

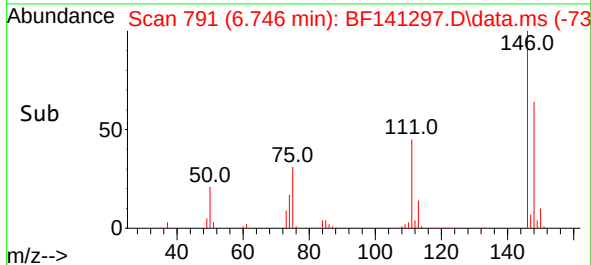
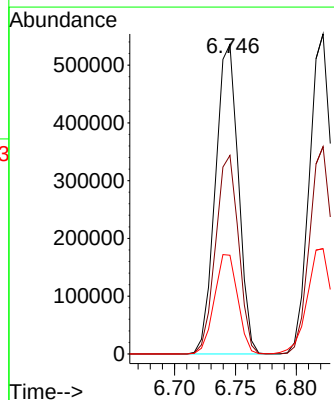
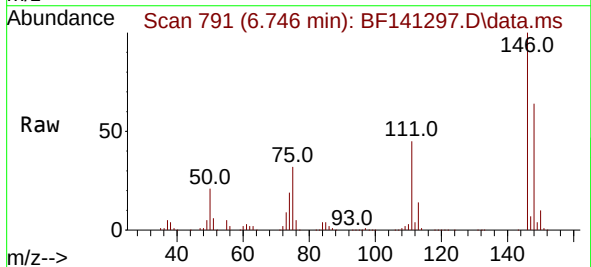
Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	32.0	12.4	52.4

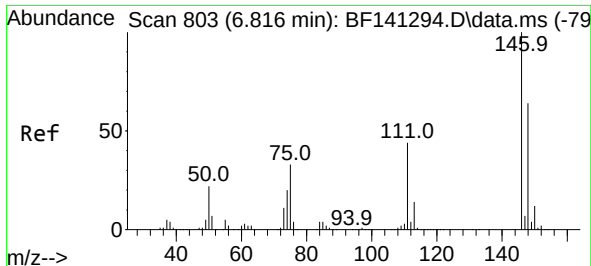


#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

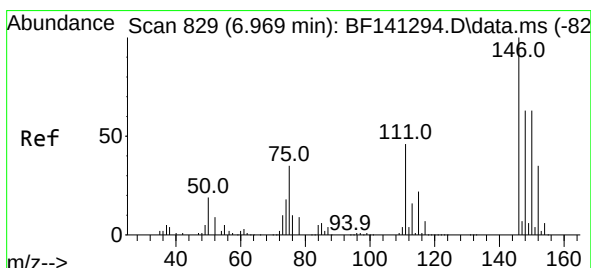
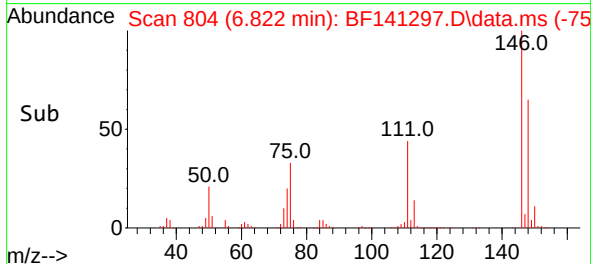
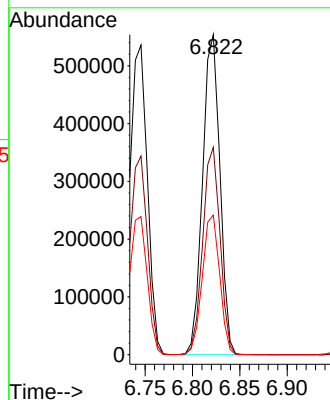
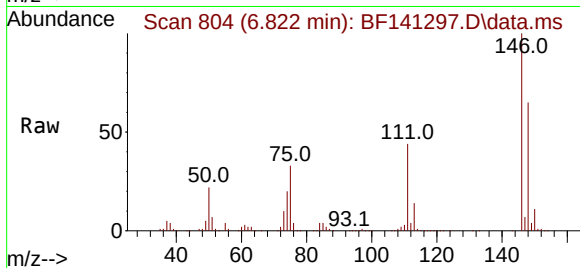
Tgt Ion:146 Resp: 706528

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

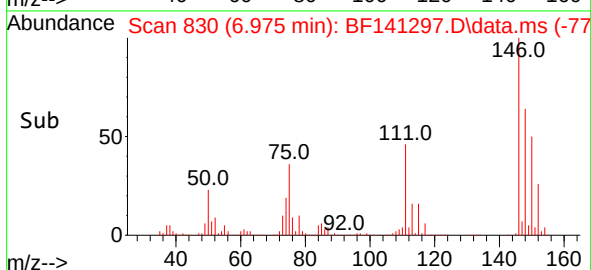
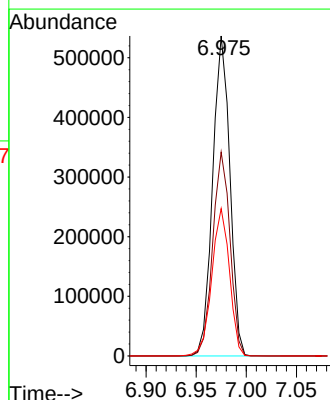
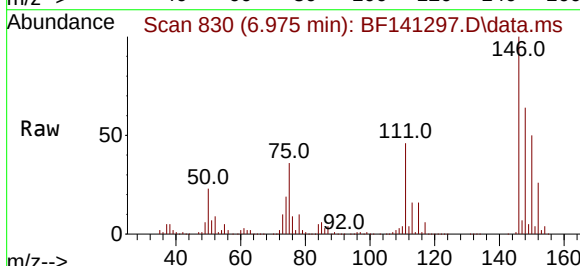
Tgt Ion:146 Resp: 641551

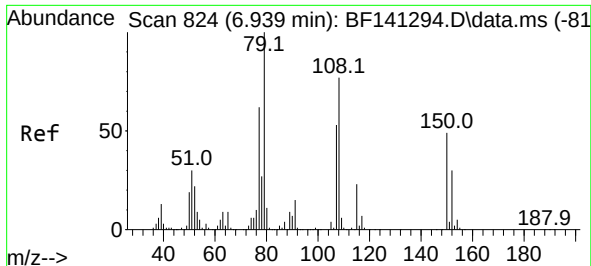
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.1 36.6 55.0

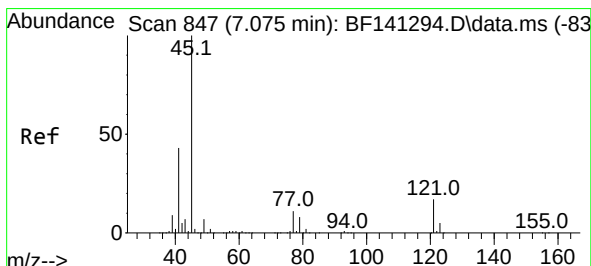
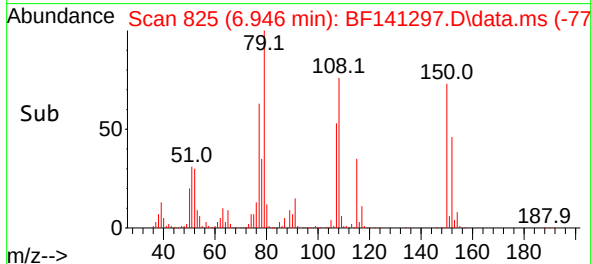
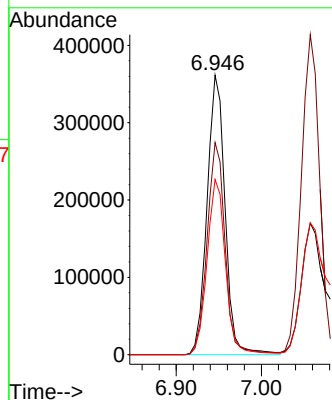
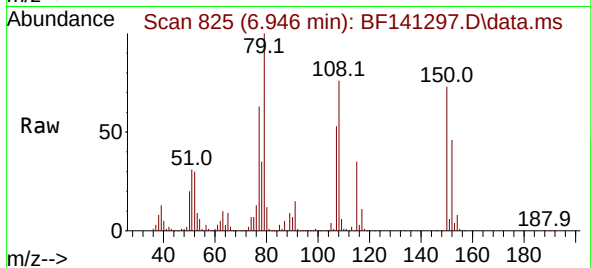




#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

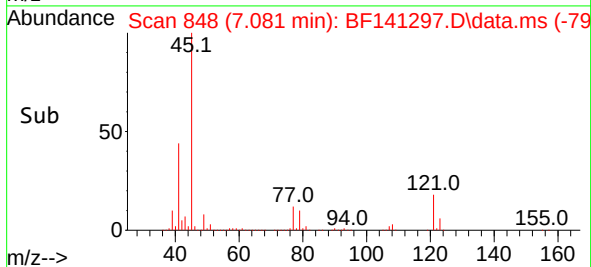
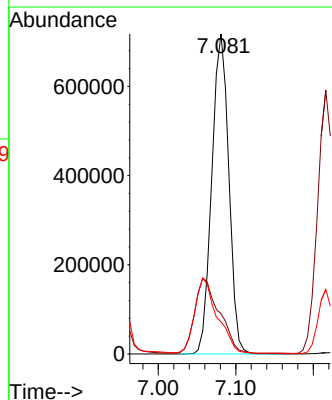
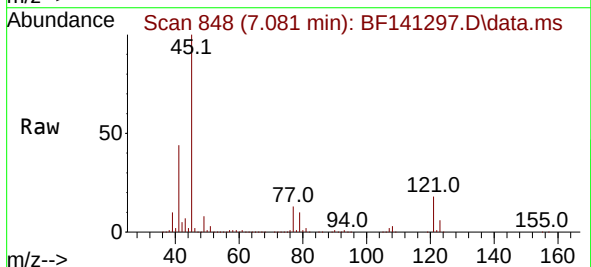
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

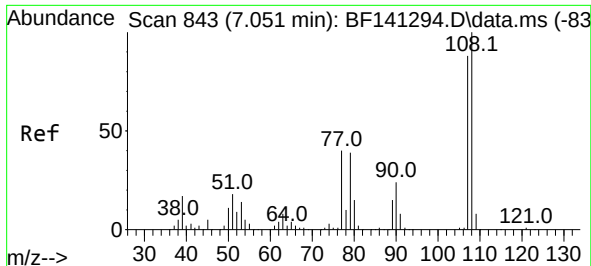
Tgt Ion: 79 Resp: 532270
Ion Ratio Lower Upper
79 100
108 75.9 61.4 92.0
77 62.7 49.9 74.9



#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

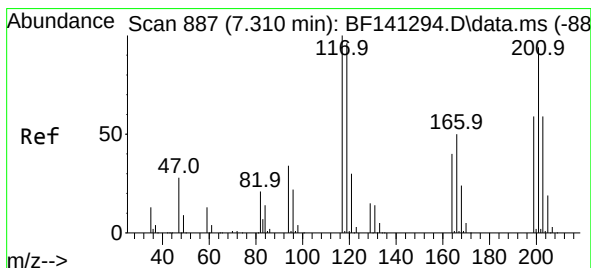
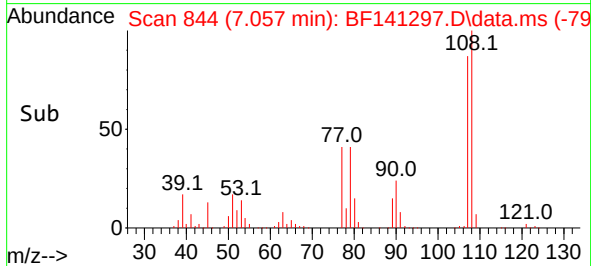
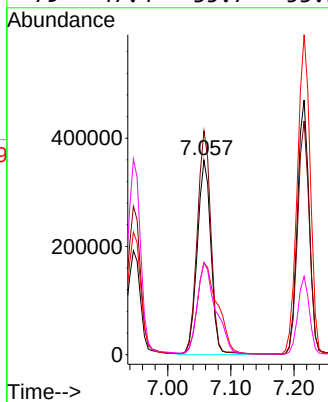
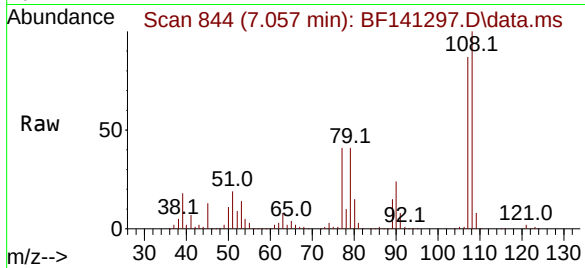




#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

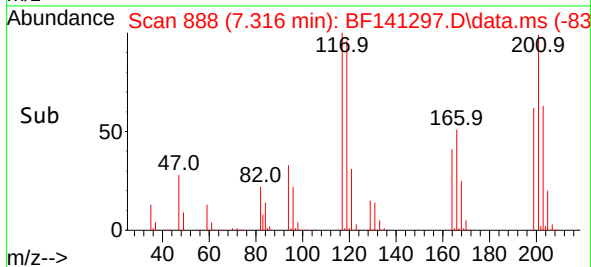
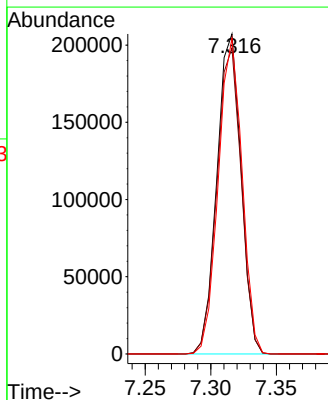
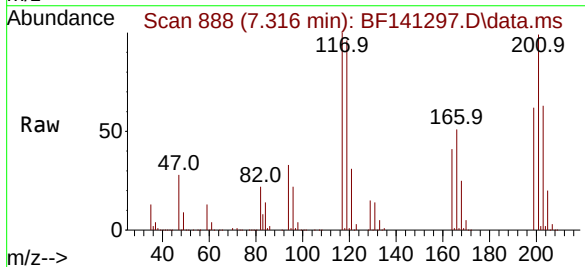
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

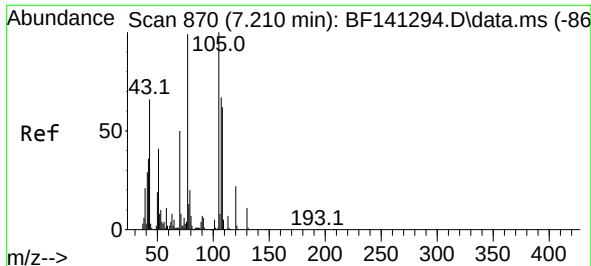
Tgt Ion:107	Resp: 545097
Ion Ratio	Lower Upper
107 100	
108 115.2	90.8 136.2
77 47.5	36.2 54.4
79 47.4	35.7 53.5



#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

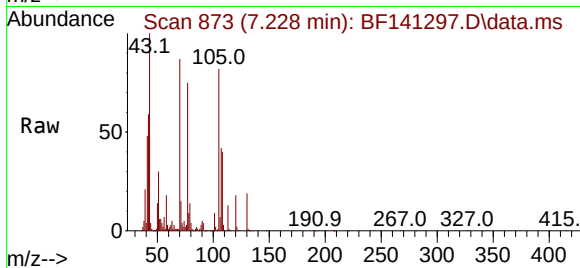
Tgt Ion:117	Resp: 265593
Ion Ratio	Lower Upper
117 100	
119 95.7	76.6 114.8
201 98.6	74.8 112.2



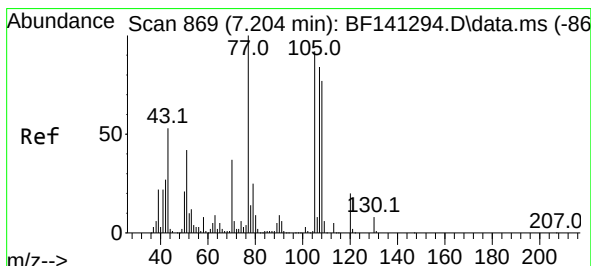
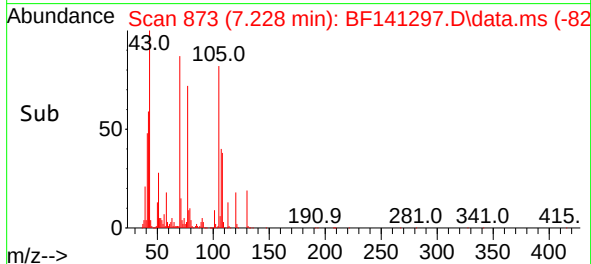
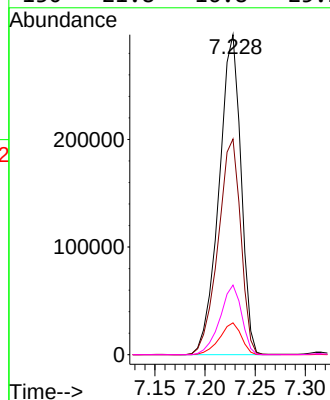


#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

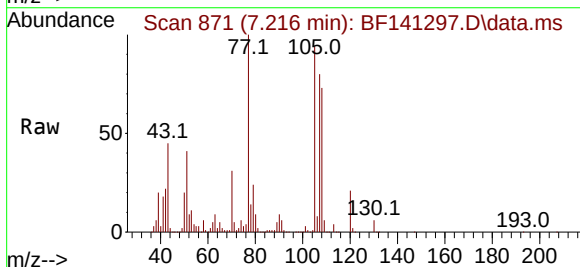
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



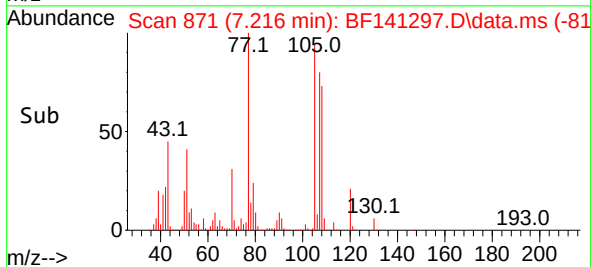
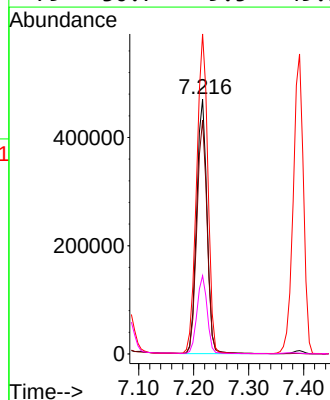
Tgt Ion: 70 Resp: 452303
Ion Ratio Lower Upper
70 100
42 67.4 56.8 85.2
101 9.9 7.7 11.5
130 21.8 16.8 25.2

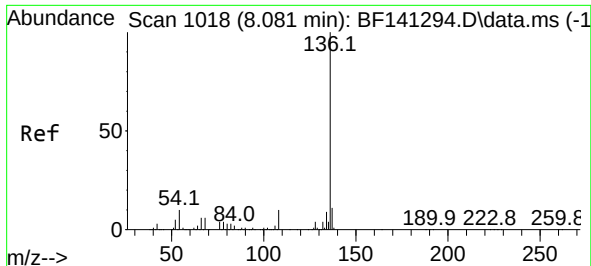


#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05



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



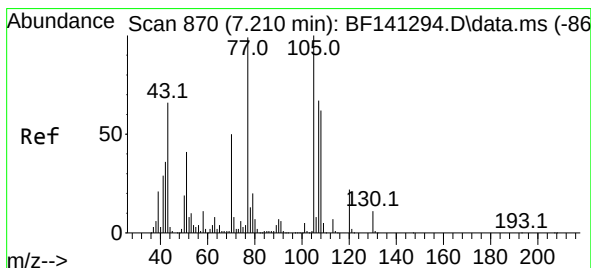
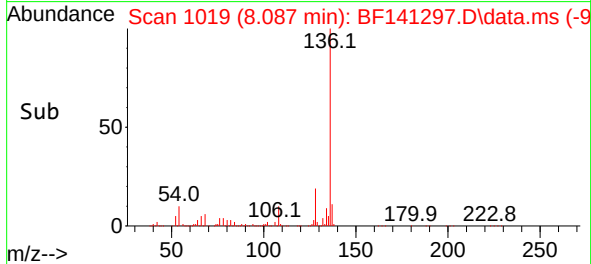
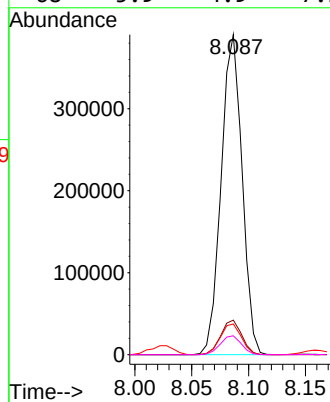
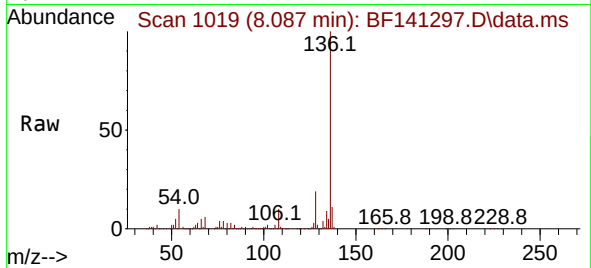


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 500219

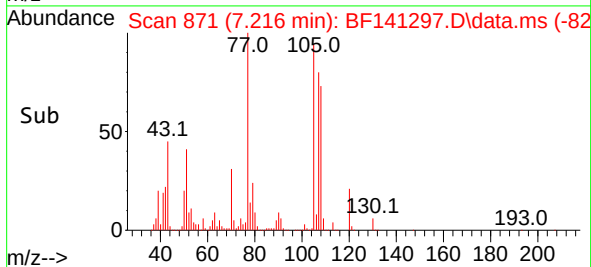
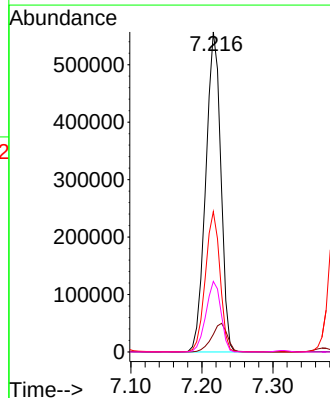
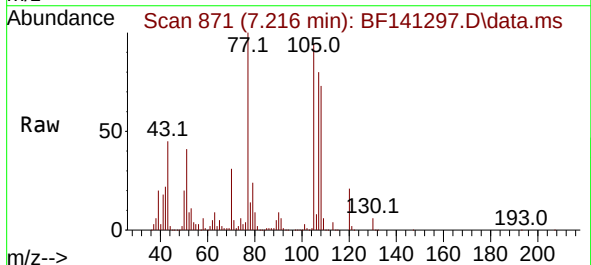
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	7.8	11.8
68	5.9	4.9	7.3

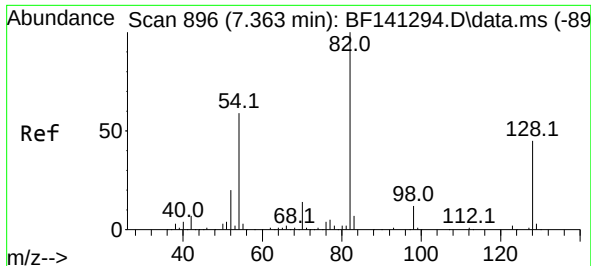


#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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# 896

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

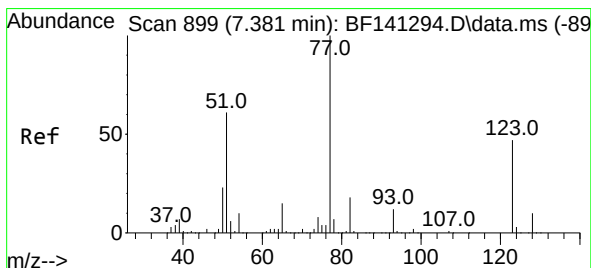
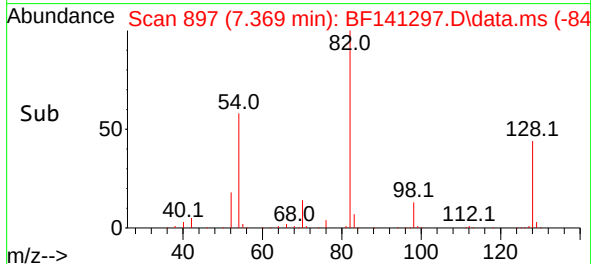
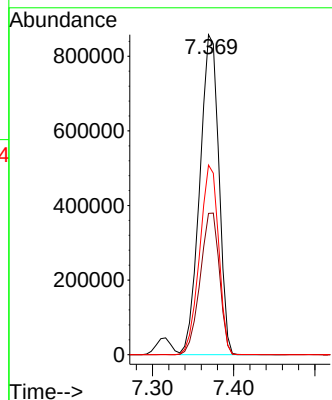
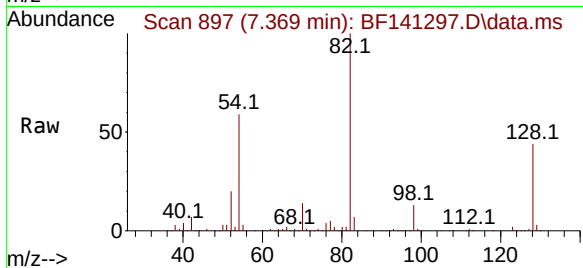
BNA_F

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

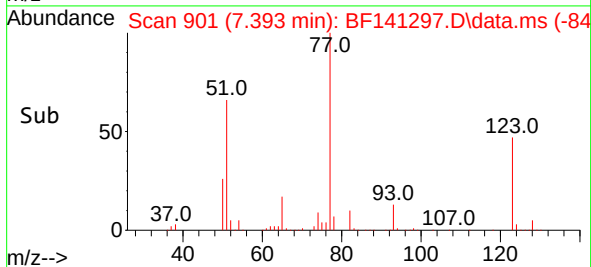
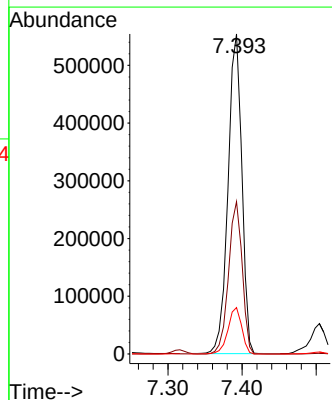
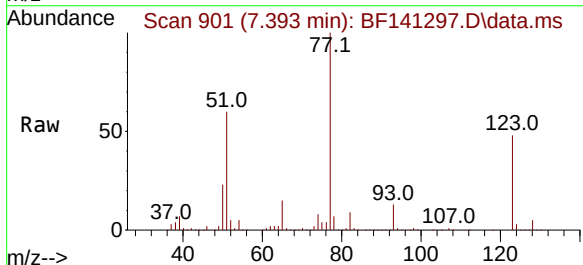
Delta R.T. 0.006 min

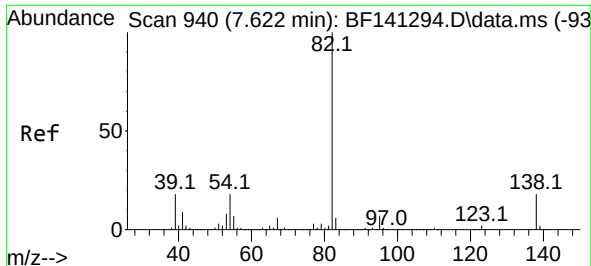
Lab File: BF141297.D

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

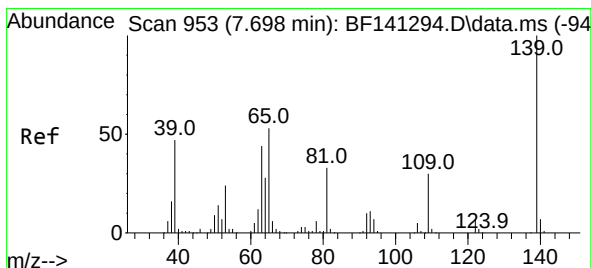
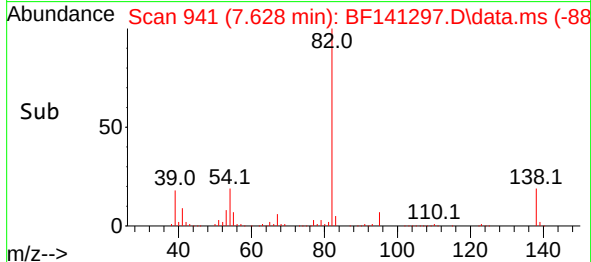
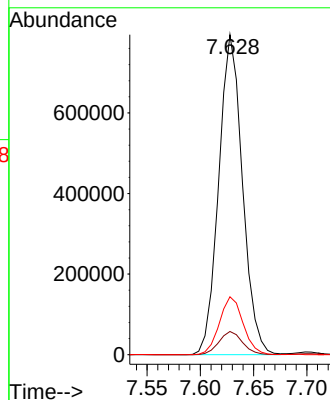
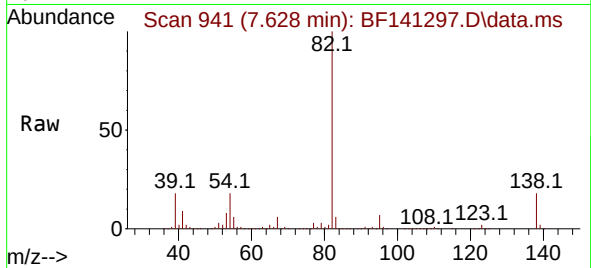




#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 941
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

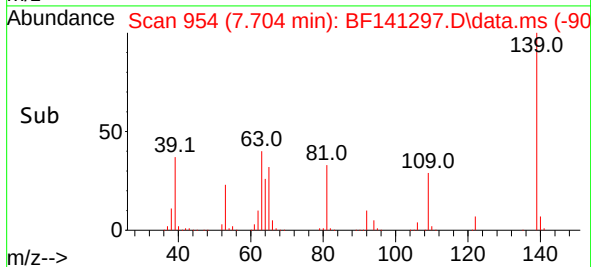
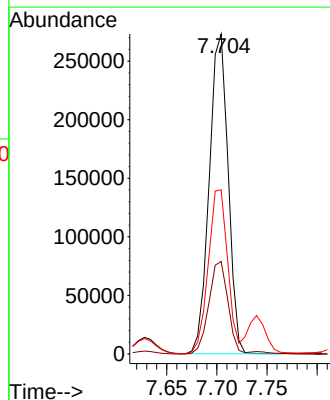
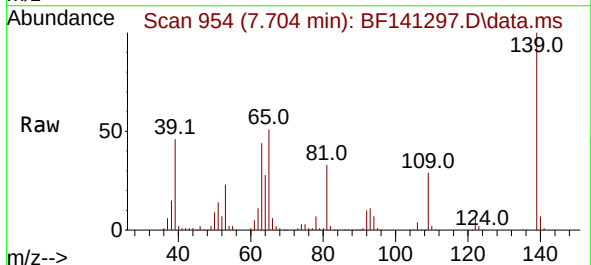
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

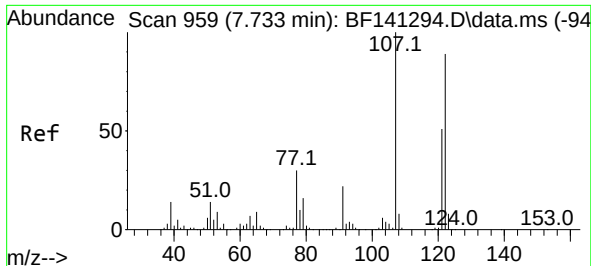
Tgt Ion: 82 Resp: 1229697
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 18.1 14.7 22.1



#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

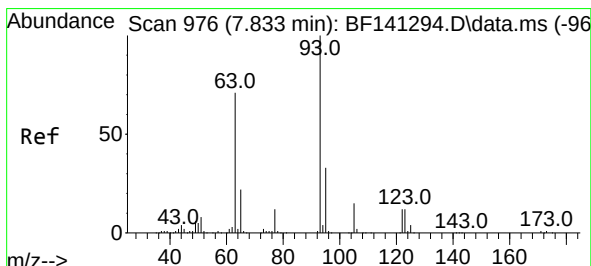
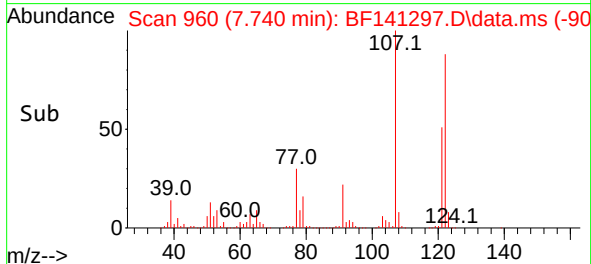
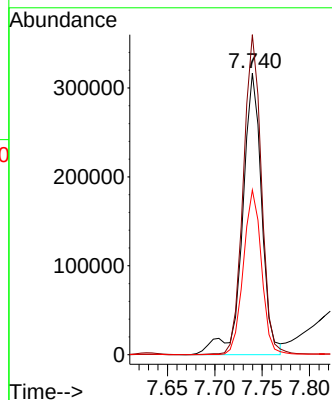
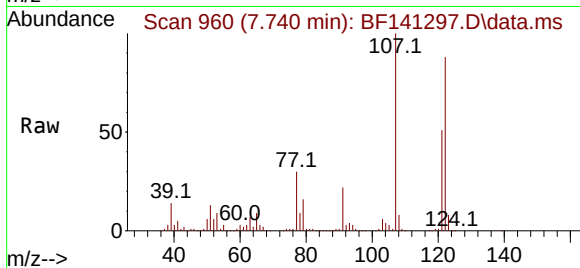
Tgt Ion:122 Resp: 445560

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

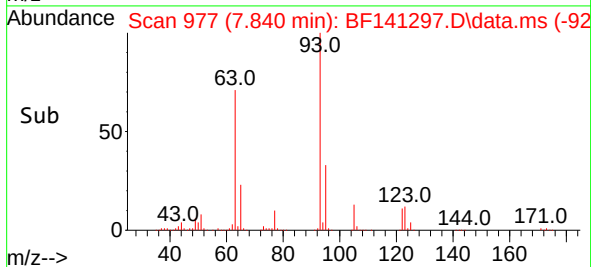
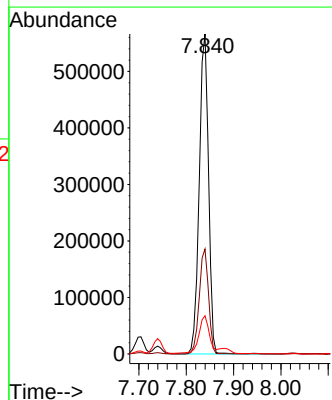
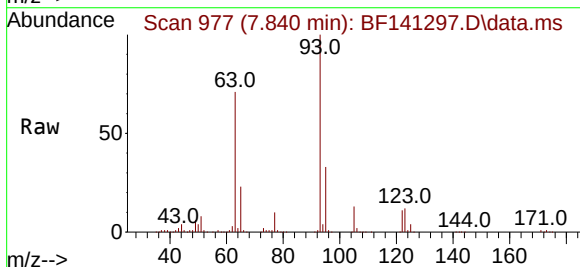
Tgt Ion: 93 Resp: 767960

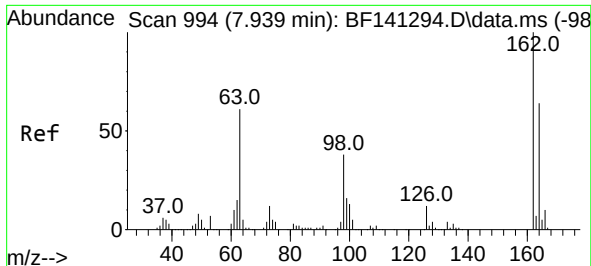
Ion Ratio Lower Upper

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

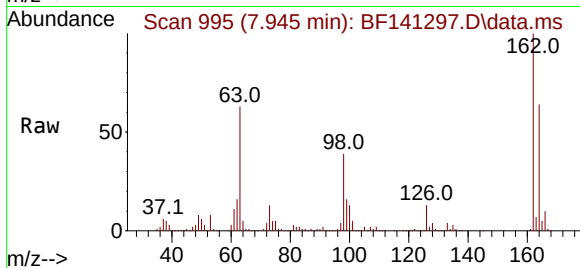
Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



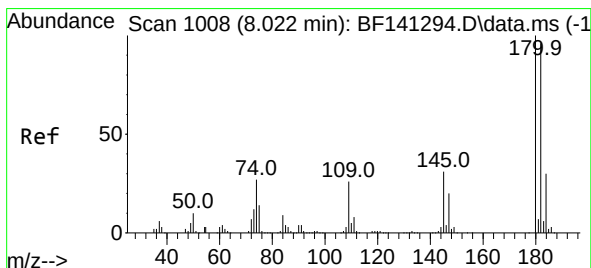
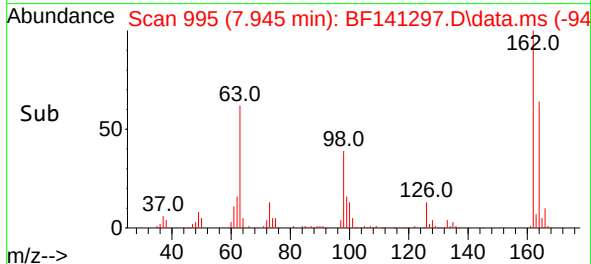
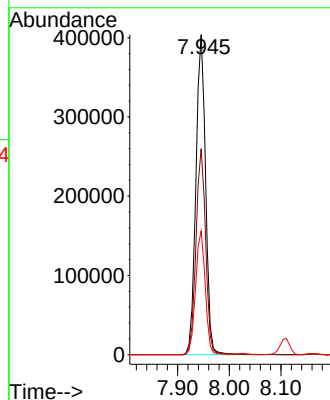
Tgt Ion:162 Resp: 525117

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

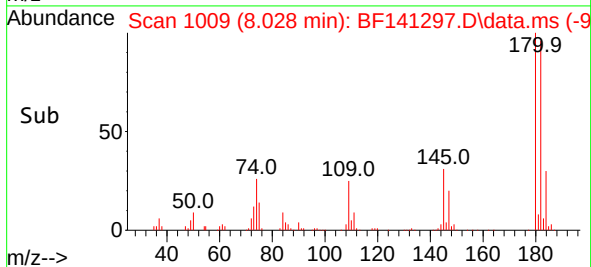
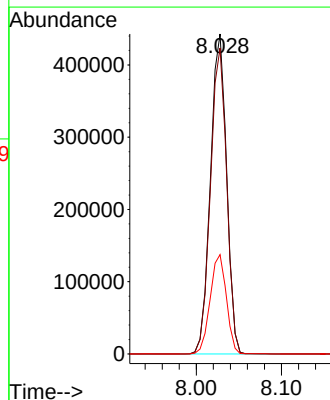
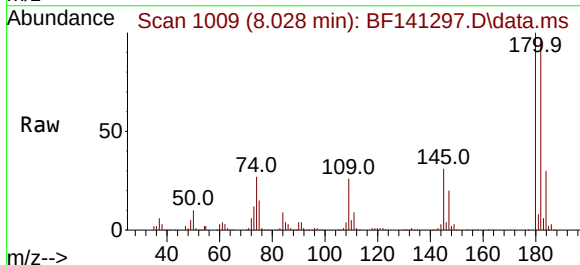
Tgt Ion:180 Resp: 584061

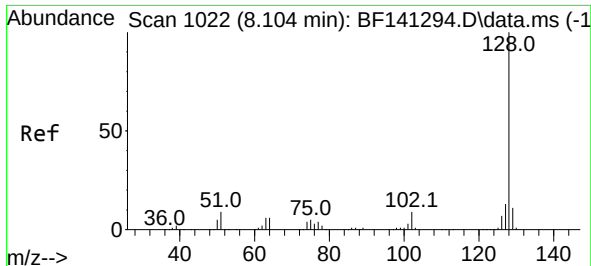
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3

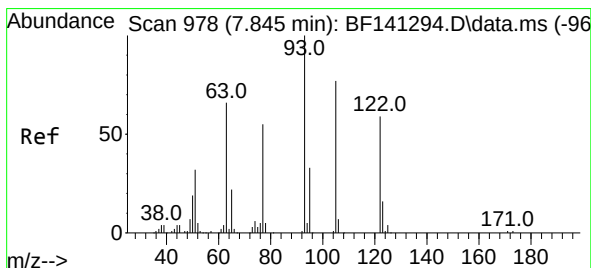
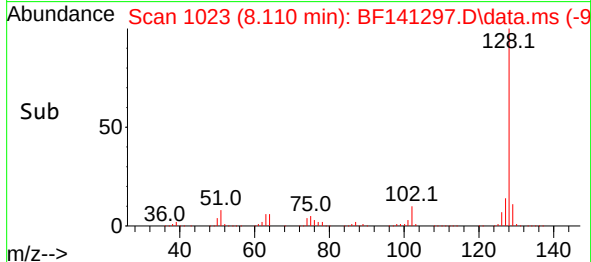
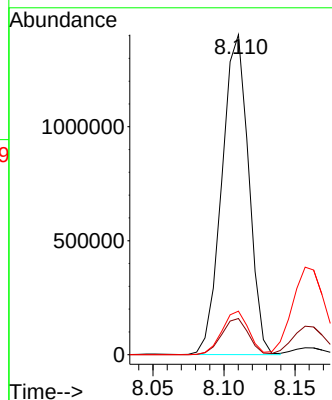
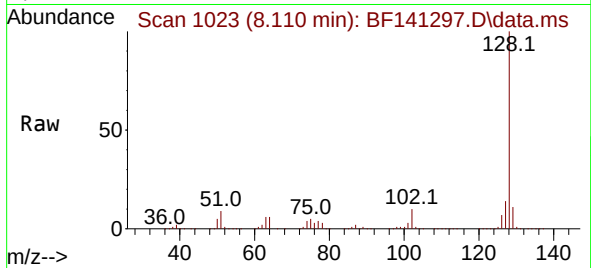




#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

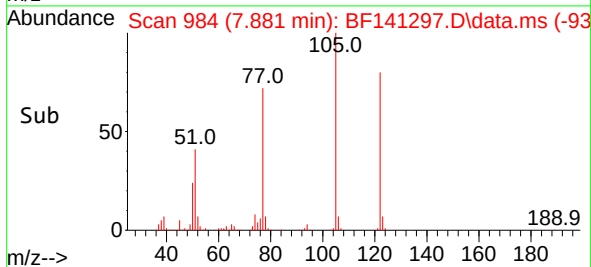
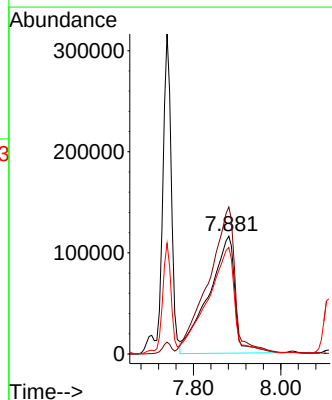
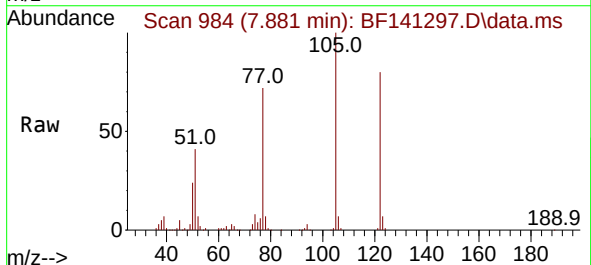
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

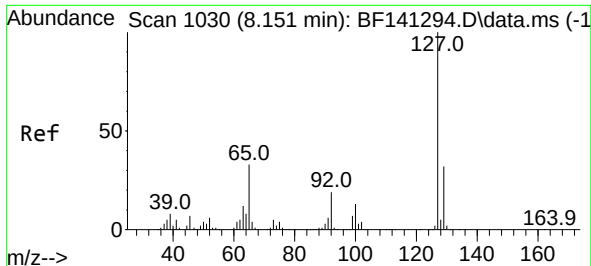
Tgt Ion:128 Resp: 1838789
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.6 10.6 15.8



#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



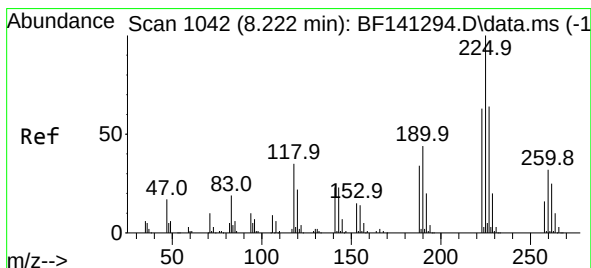
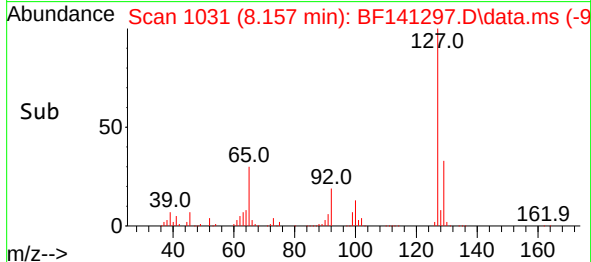
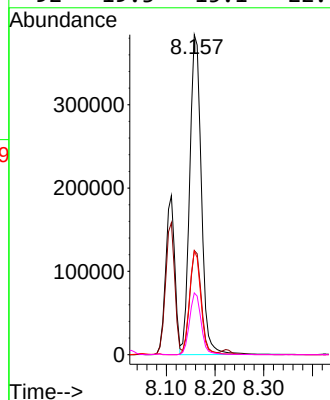
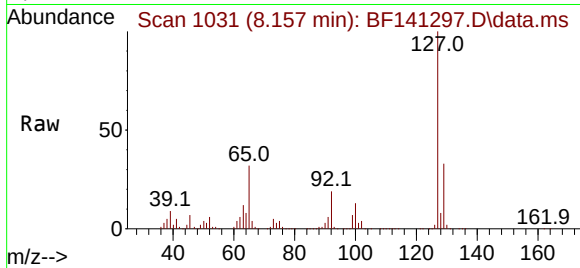


#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 636568

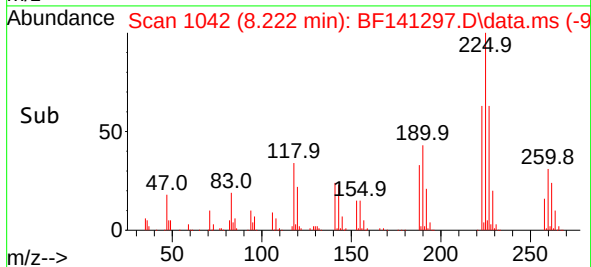
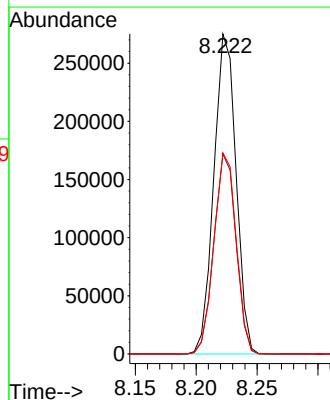
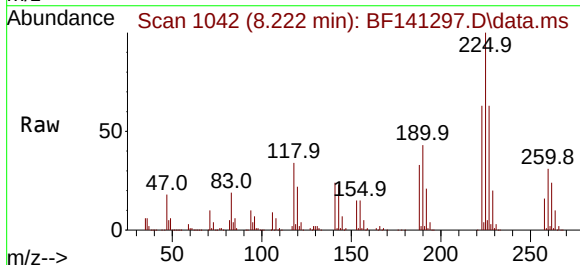
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.4	26.4	39.6
92	19.3	15.1	22.7

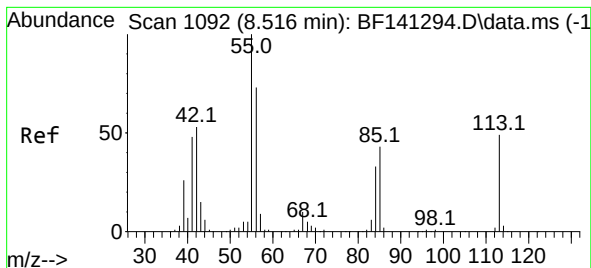


#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

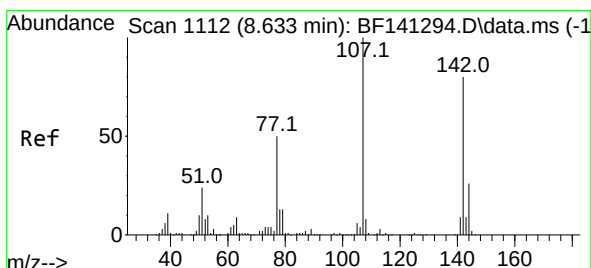
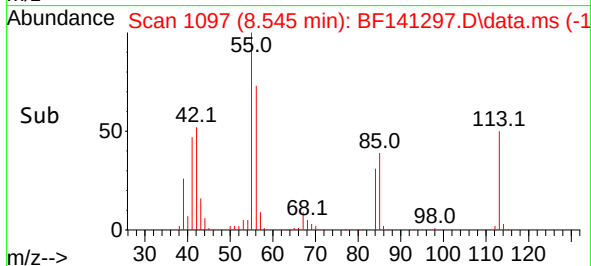
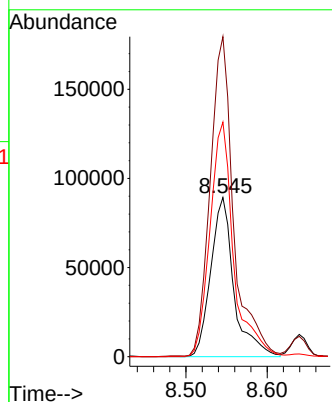
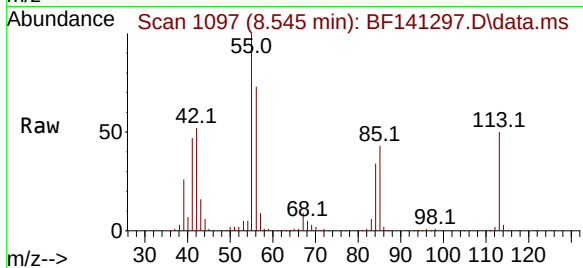
Tgt Ion:113 Resp: 177093

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

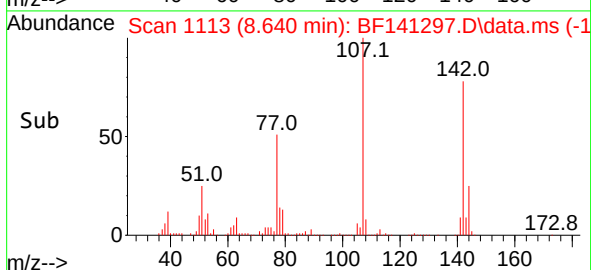
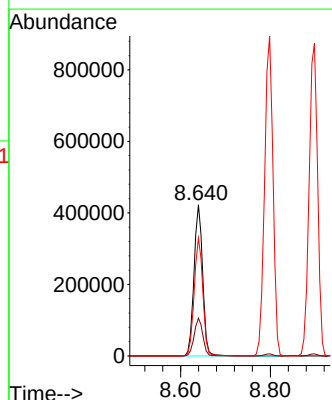
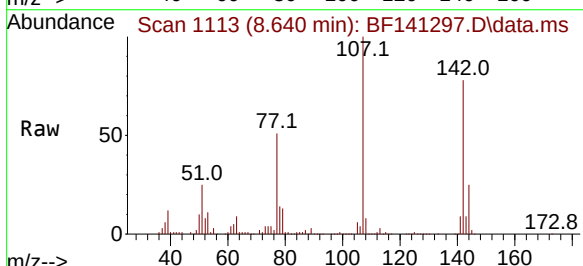
Tgt Ion:107 Resp: 566827

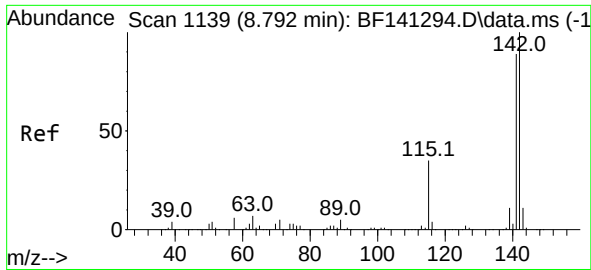
Ion Ratio Lower Upper

107 100

144 24.9 20.7 31.1

142 77.9 63.8 95.8

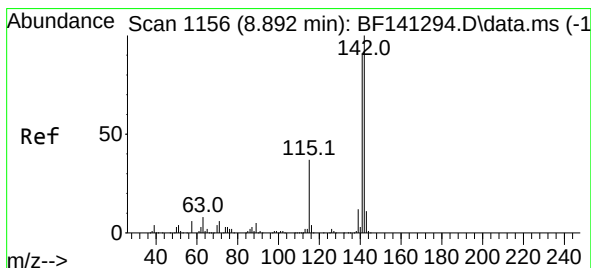
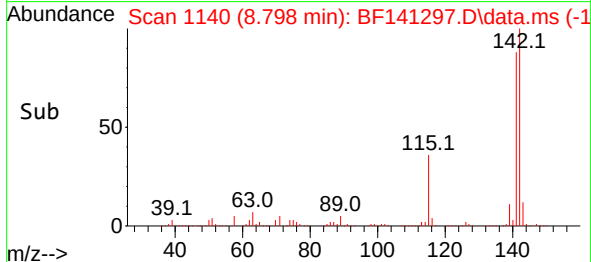
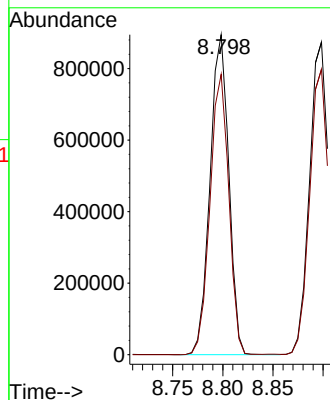
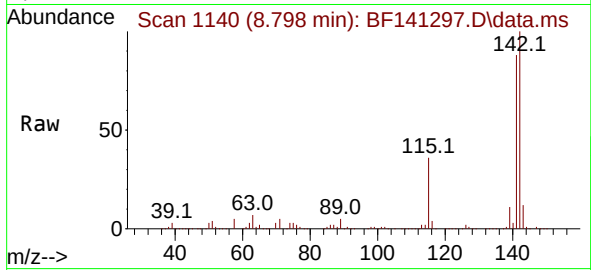




#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

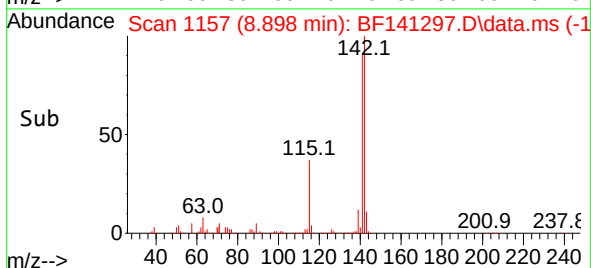
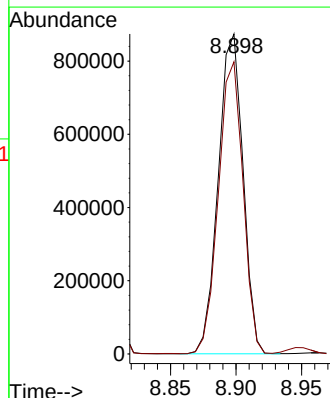
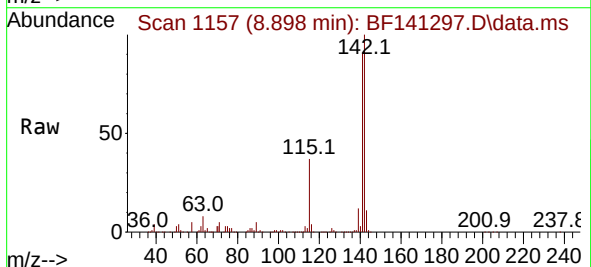
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

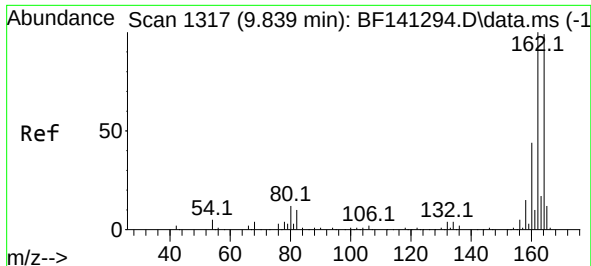
Tgt Ion:142 Resp: 1165995
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9



#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

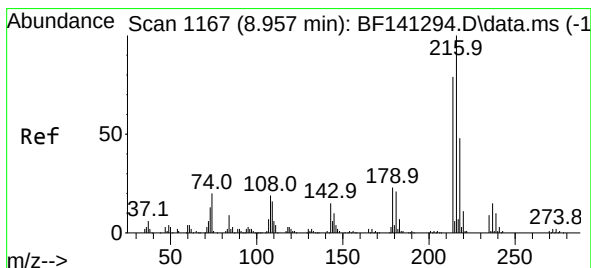
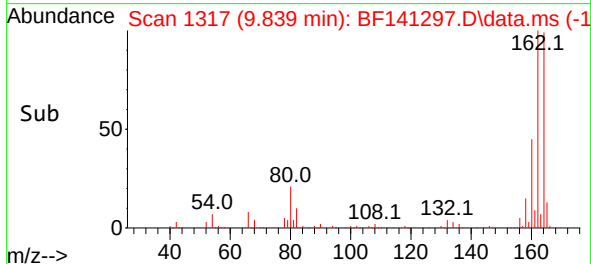
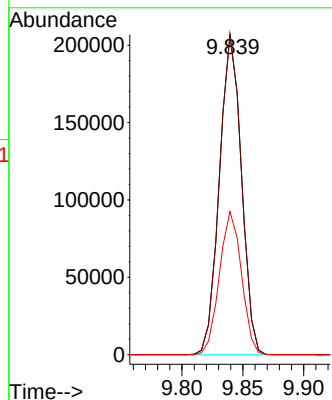
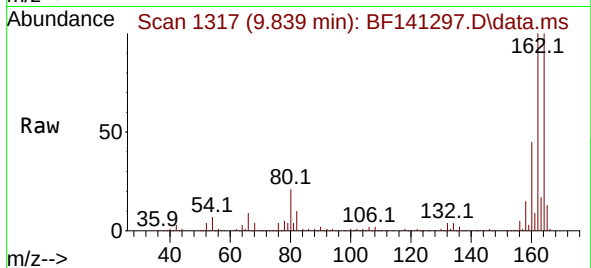
Tgt Ion:164 Resp: 259556

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

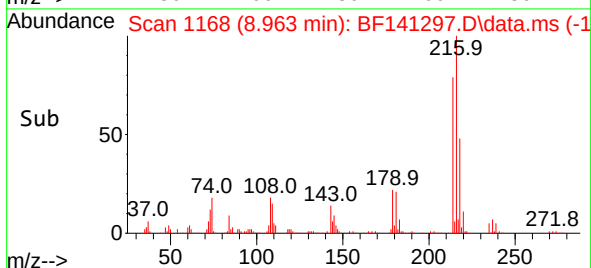
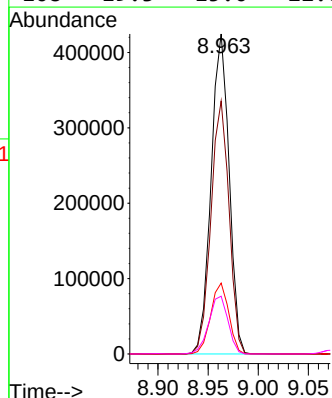
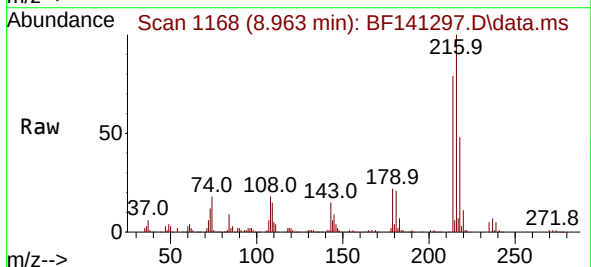
Ion Ratio Lower Upper

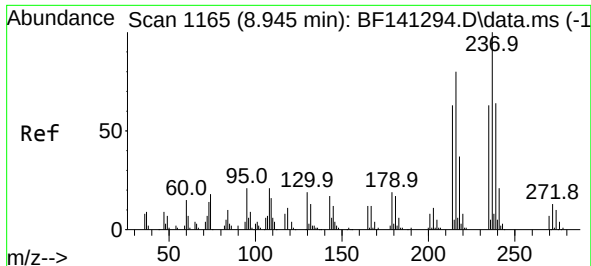
216 100

214 79.2 63.2 94.8

179 22.3 17.8 26.8

108 19.3 15.0 22.6

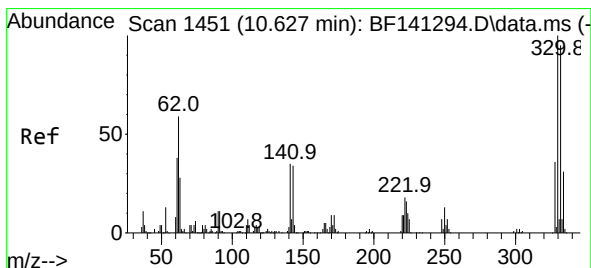
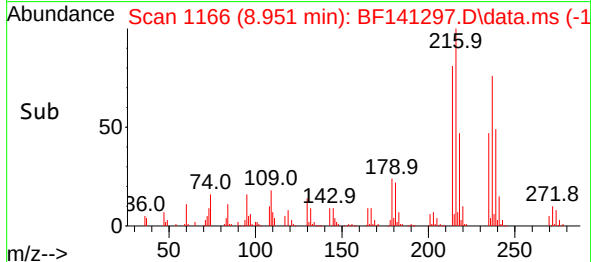
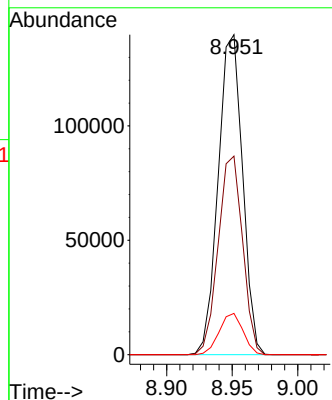
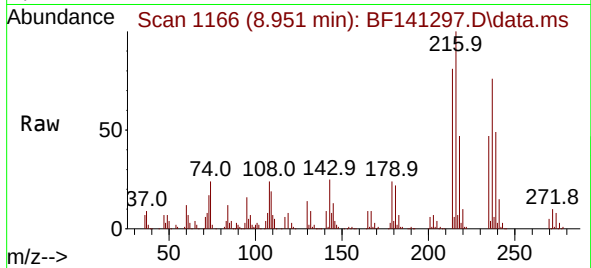




#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

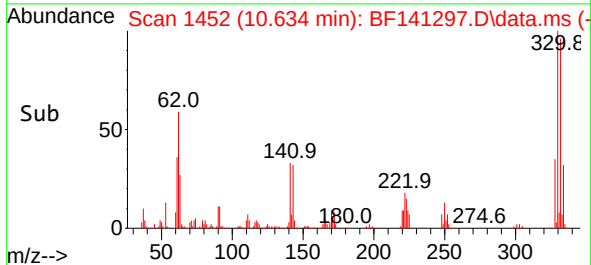
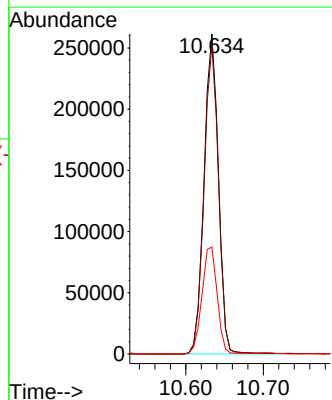
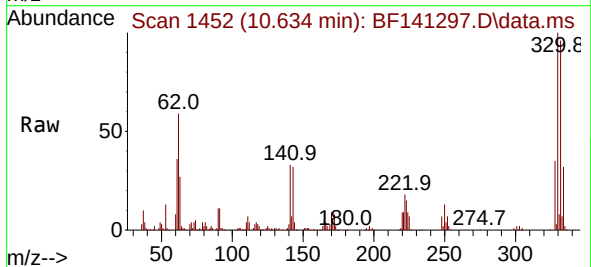
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

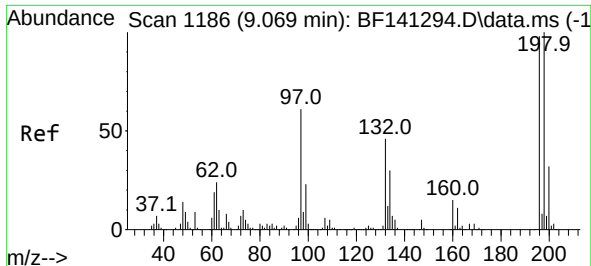
Tgt Ion:237 Resp: 180658
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 12.9 0.0 32.8



#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

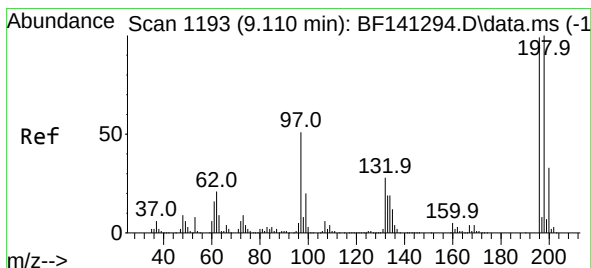
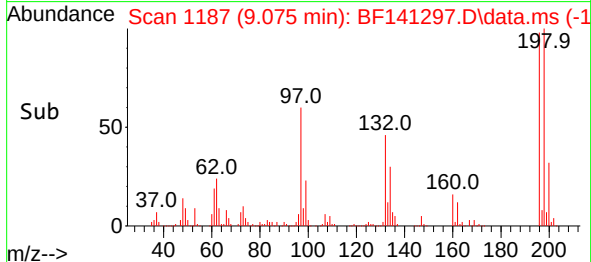
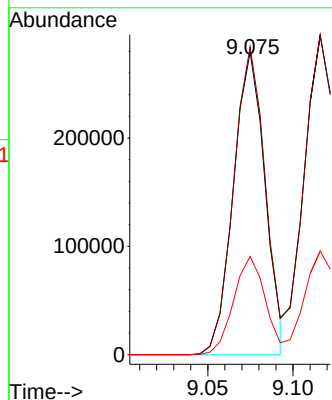
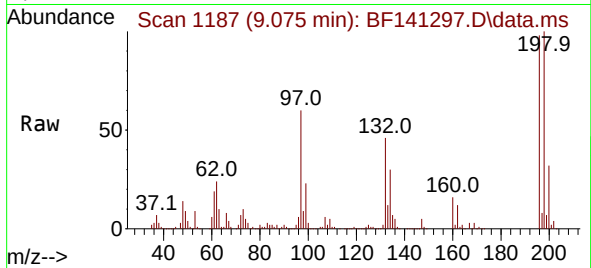




#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

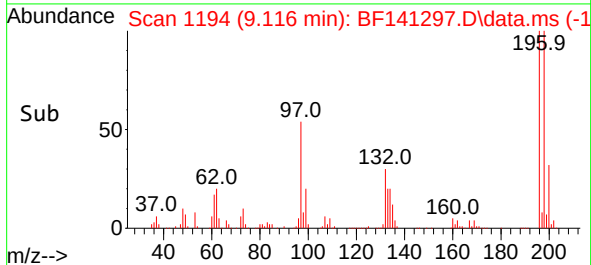
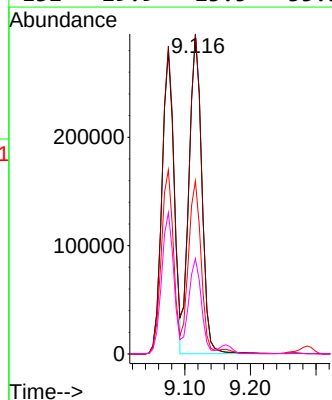
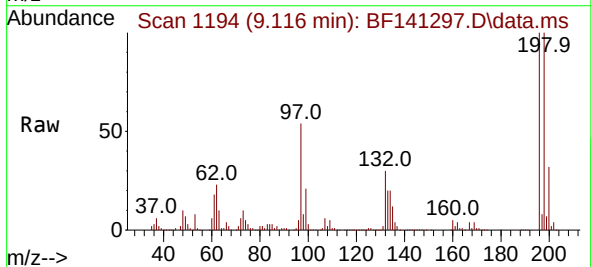
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

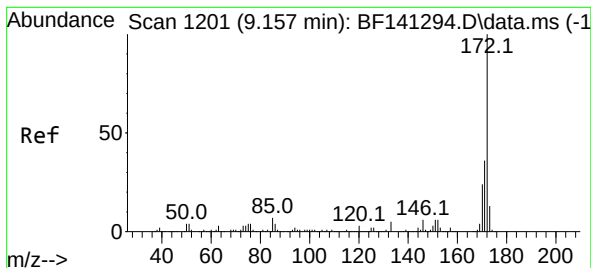
Tgt Ion:196 Resp: 360370
Ion Ratio Lower Upper
196 100
198 101.8 81.8 122.6
200 32.5 26.3 39.5



#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

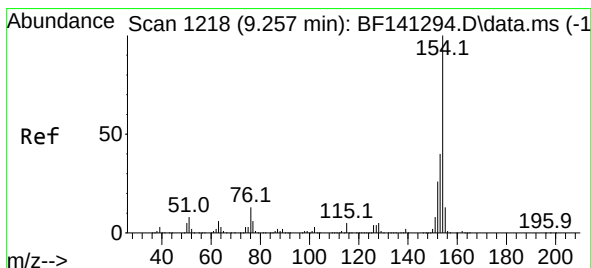
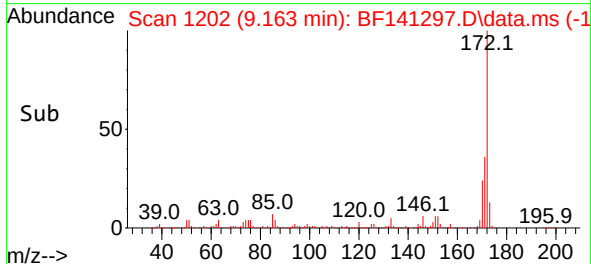
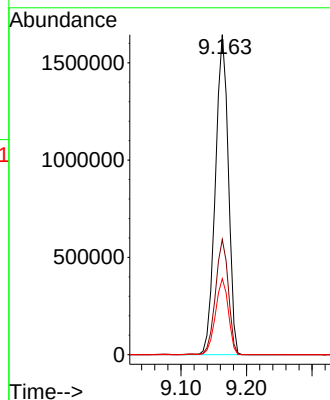
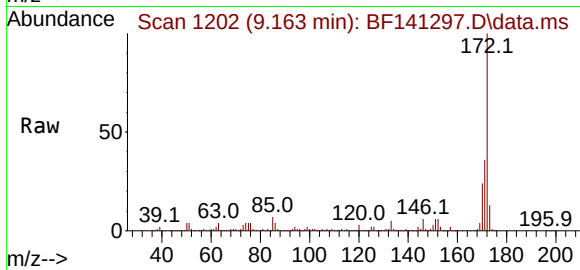
Tgt Ion:172 Resp: 2248567

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

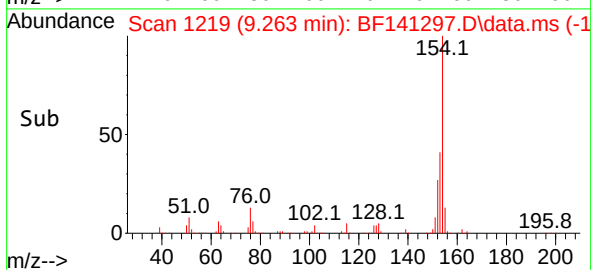
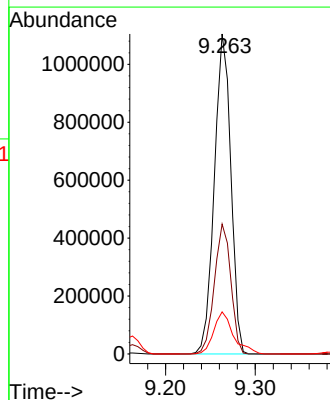
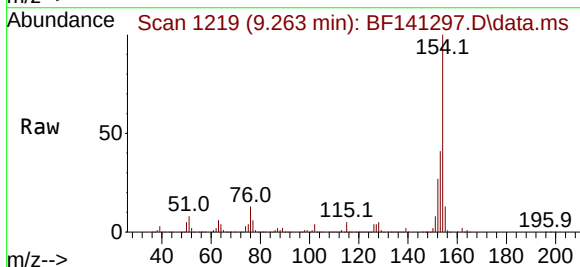
Tgt Ion:154 Resp: 1412015

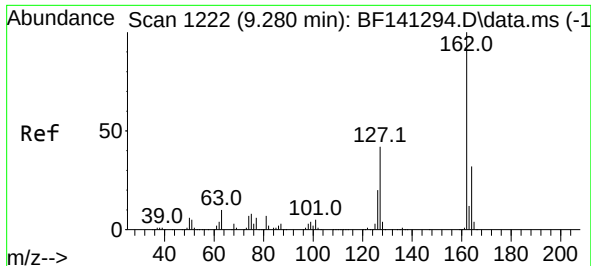
Ion Ratio Lower Upper

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

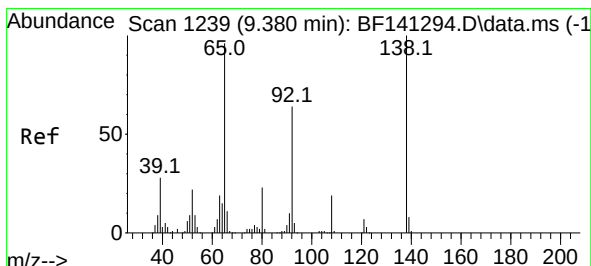
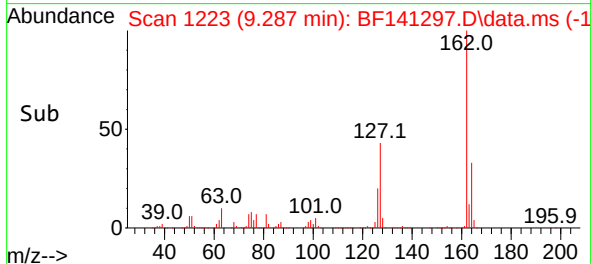
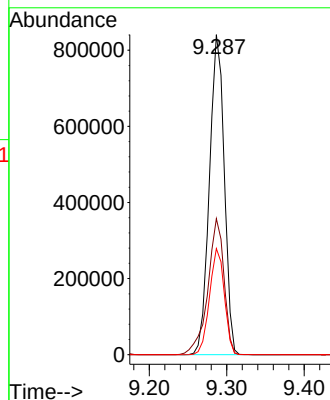
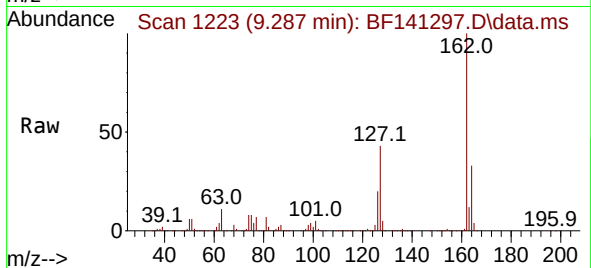
Tgt Ion:162 Resp: 1118593

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

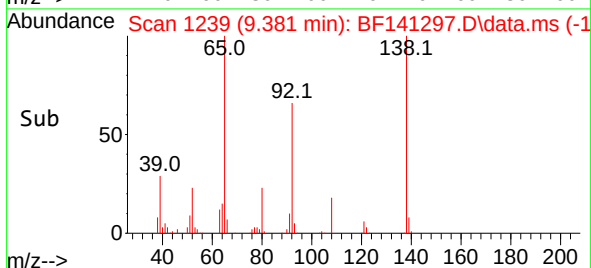
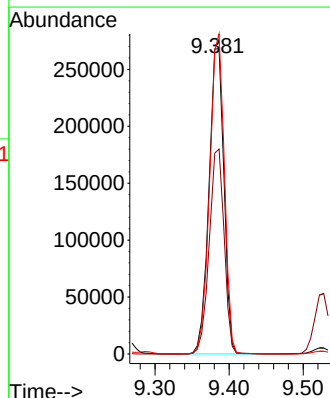
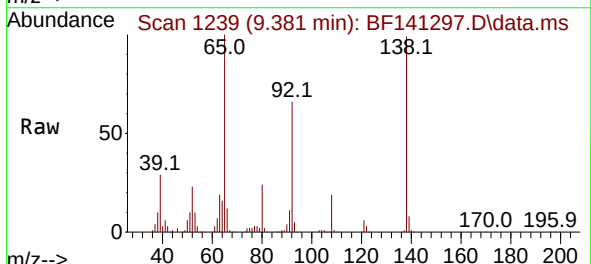
Tgt Ion: 65 Resp: 378379

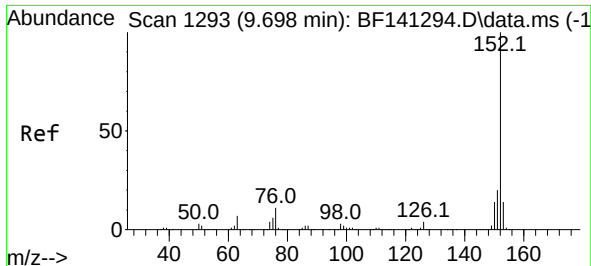
Ion Ratio Lower Upper

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

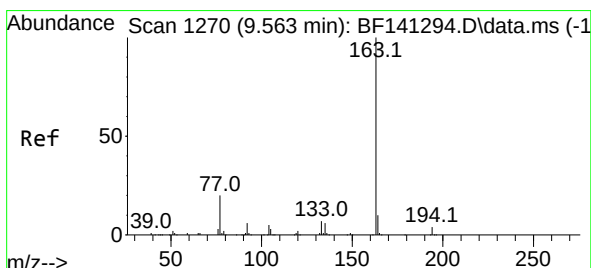
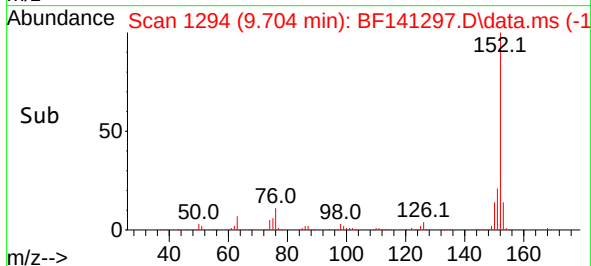
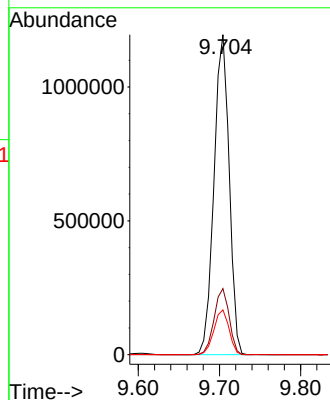
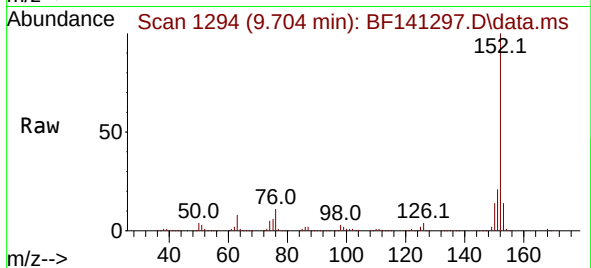
Tgt Ion:152 Resp: 1552508

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

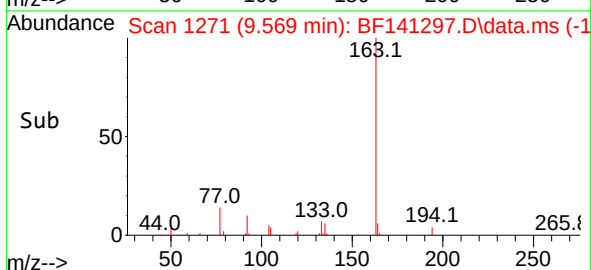
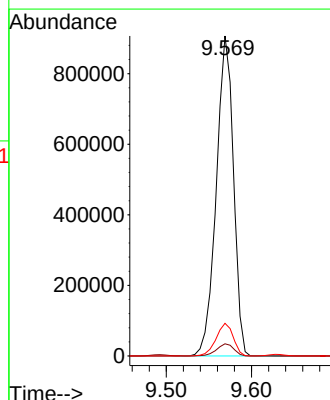
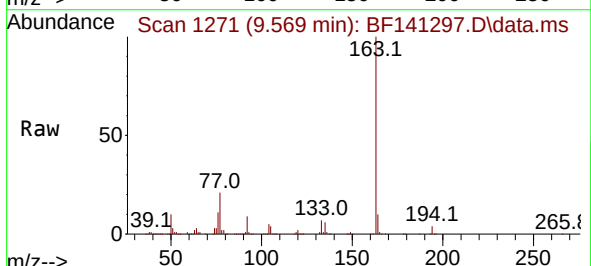
Tgt Ion:163 Resp: 1269770

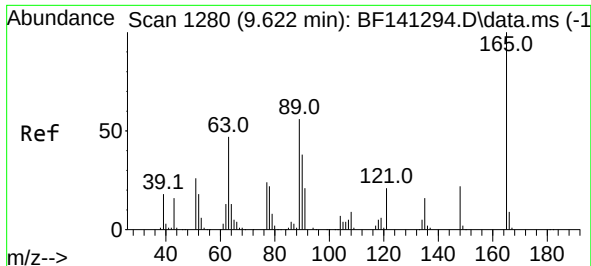
Ion Ratio Lower Upper

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

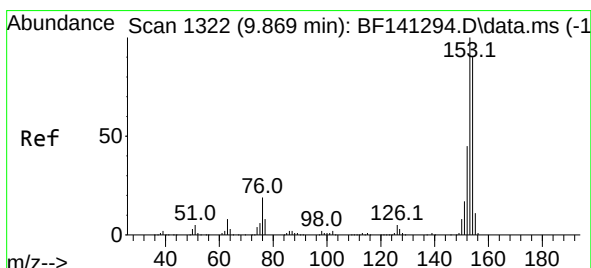
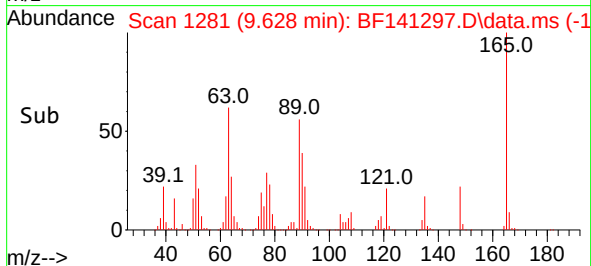
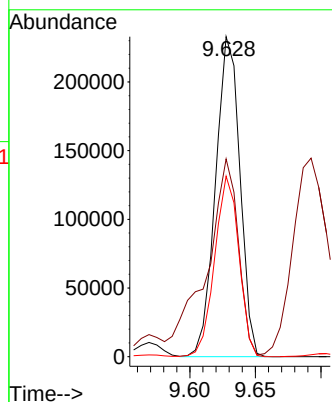
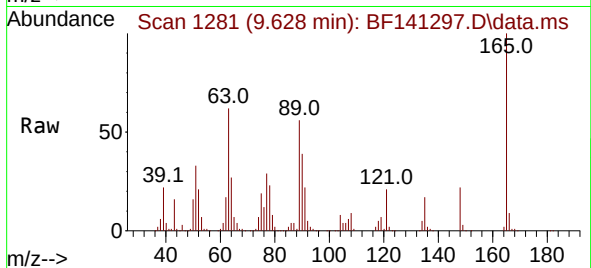
Tgt Ion:165 Resp: 300867

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

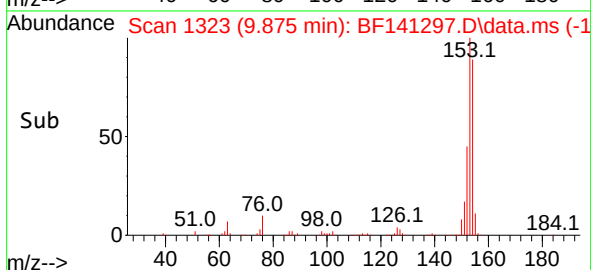
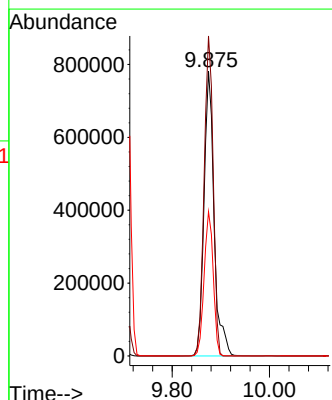
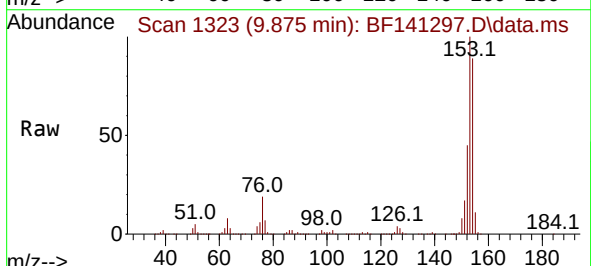
Tgt Ion:154 Resp: 1120345

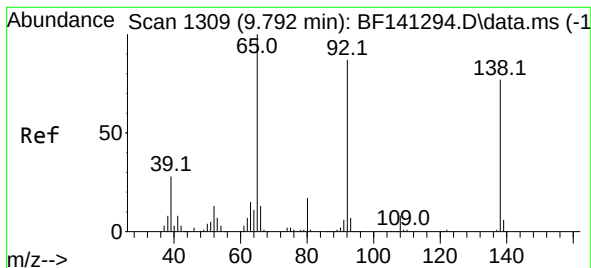
Ion Ratio Lower Upper

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

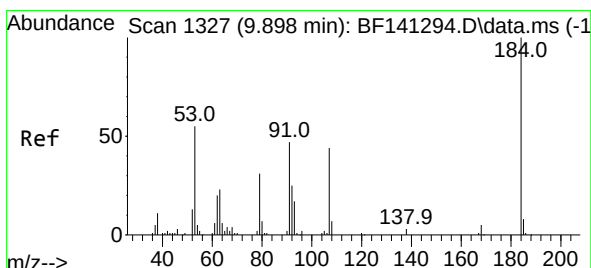
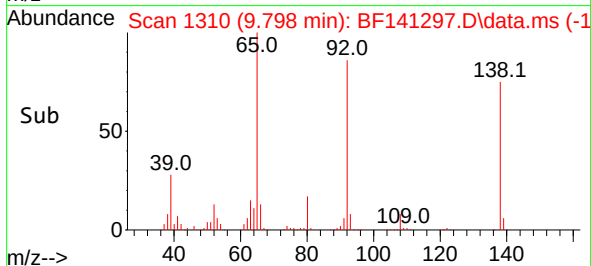
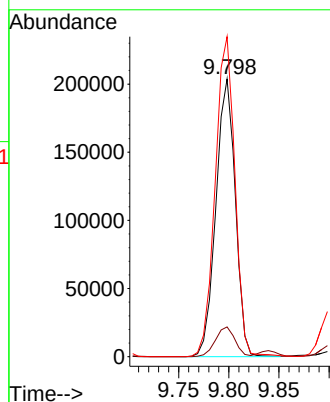
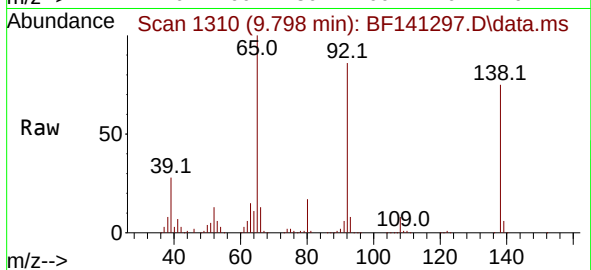
Tgt Ion:138 Resp: 274410

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

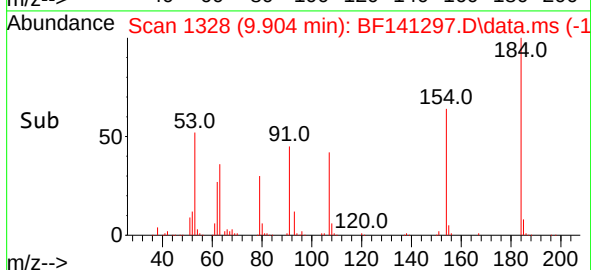
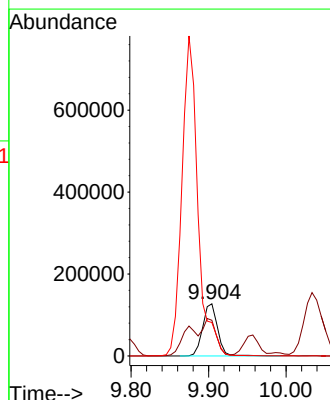
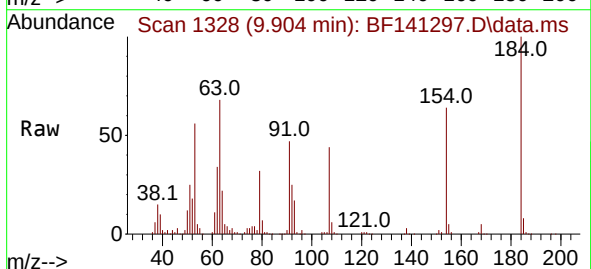
Tgt Ion:184 Resp: 169946

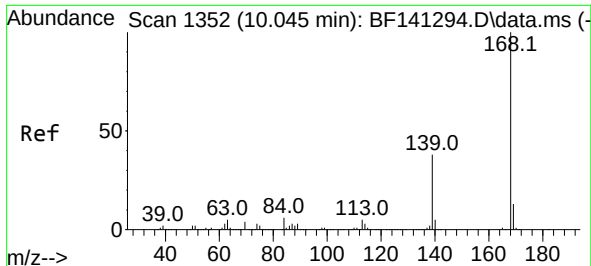
Ion Ratio Lower Upper

184 100

63 68.3 54.1 81.1

154 64.0 50.7 76.1

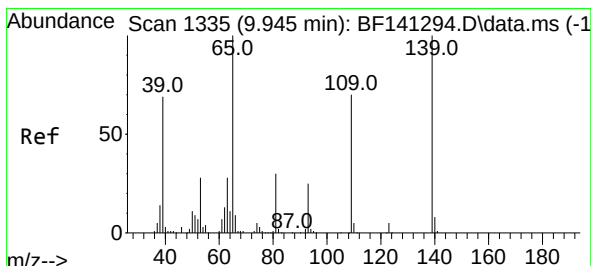
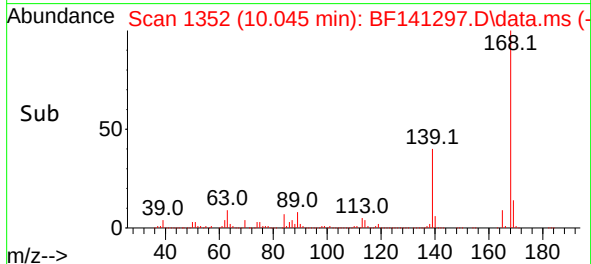
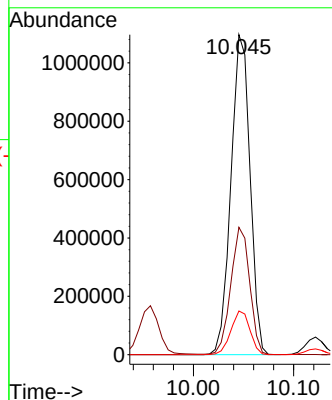
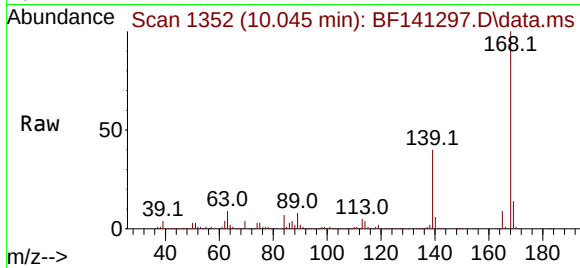




#55
Dibenzenofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

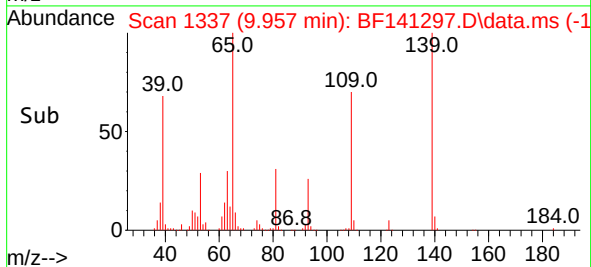
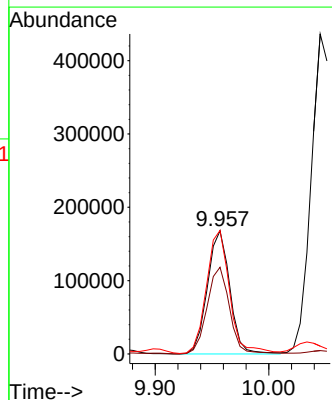
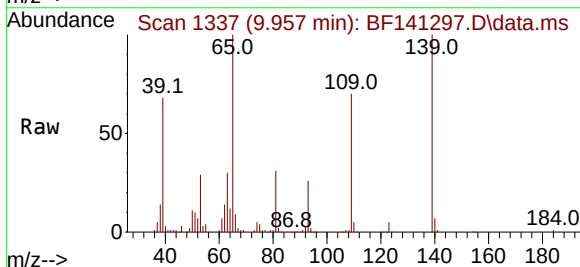
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

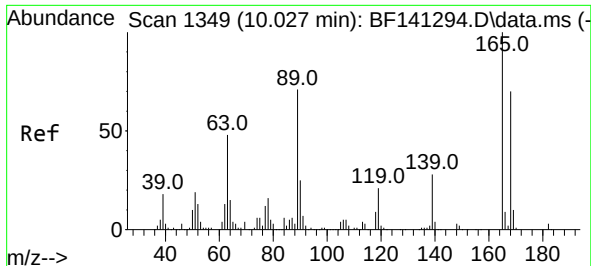
Tgt Ion:168 Resp: 1451668
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.7 10.8 16.2



#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

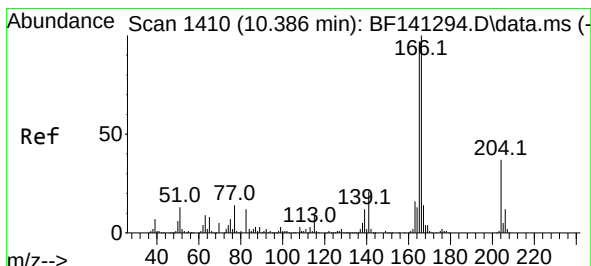
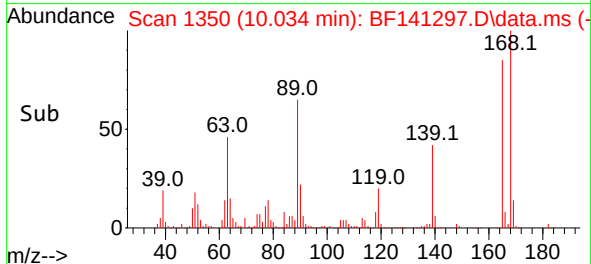
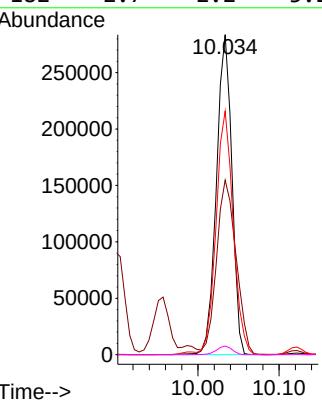
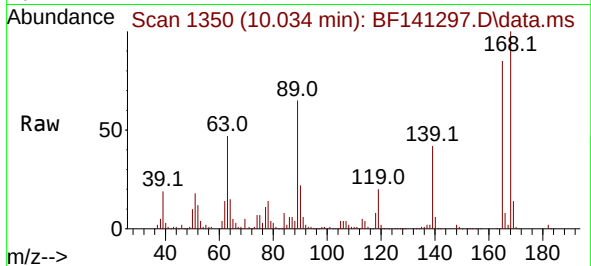




#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

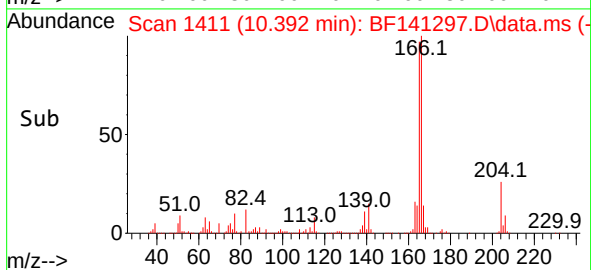
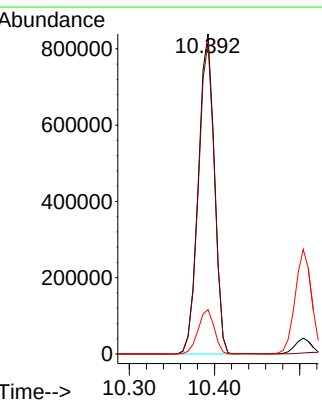
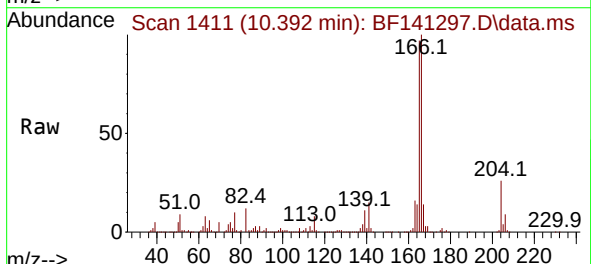
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

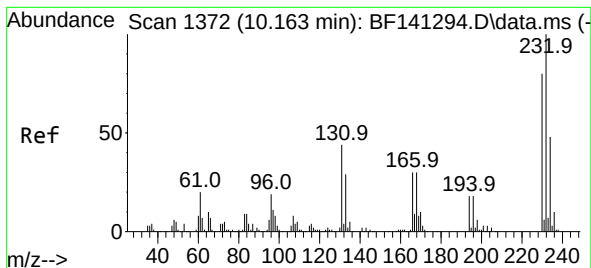
Tgt Ion:	165	Resp:	375659
Ion	Ratio	Lower	Upper
165	100		
63	54.5	39.2	58.8
89	76.1	56.9	85.3
182	2.7	2.2	3.2



#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

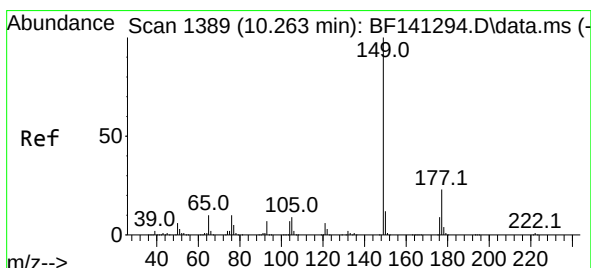
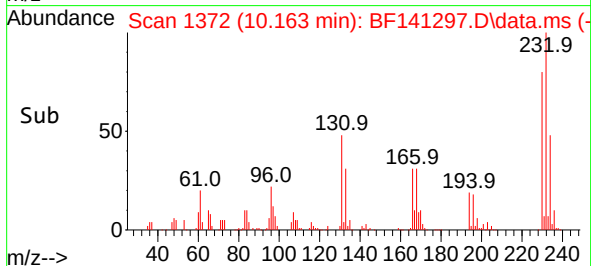
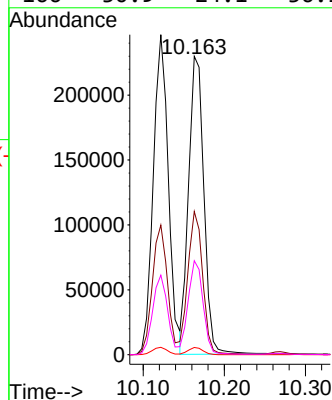
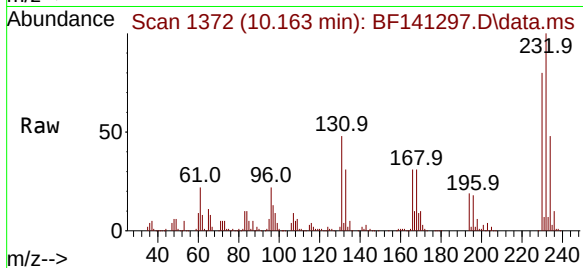




#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

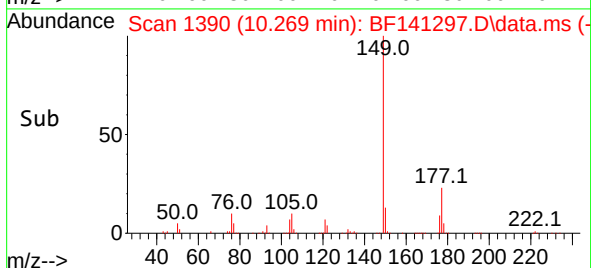
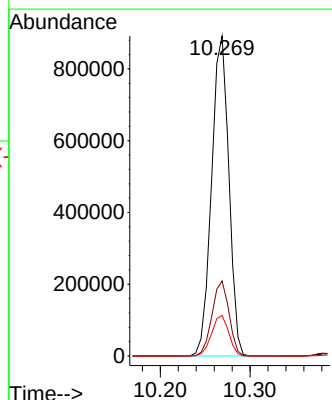
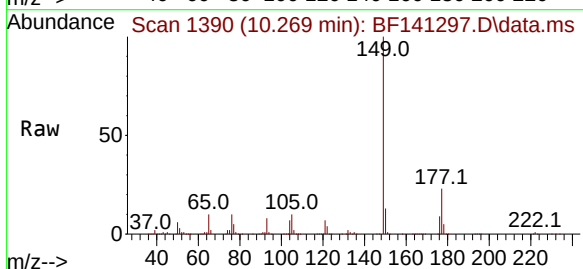
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

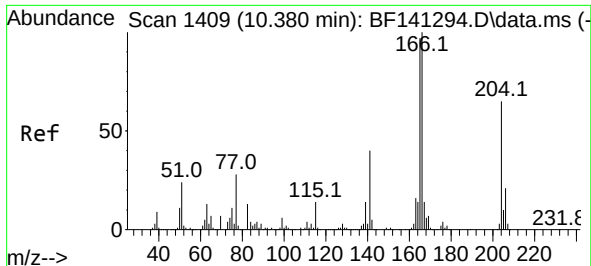
Tgt Ion:232 Resp: 302300
Ion Ratio Lower Upper
232 100
131 47.5 36.4 54.6
130 2.4 1.9 2.9
166 30.9 24.1 36.1



#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

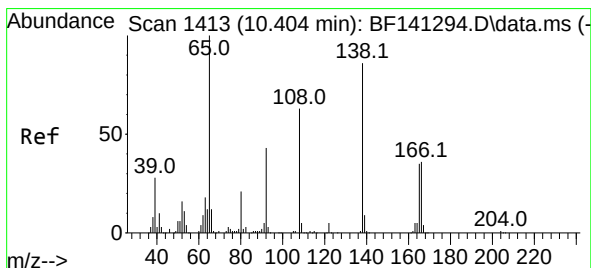
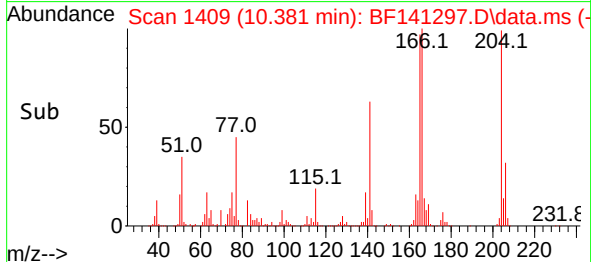
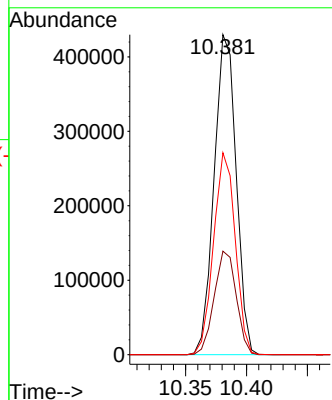
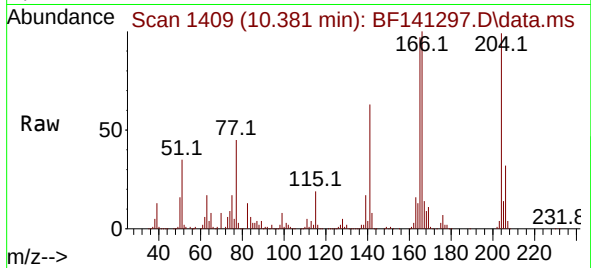




#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

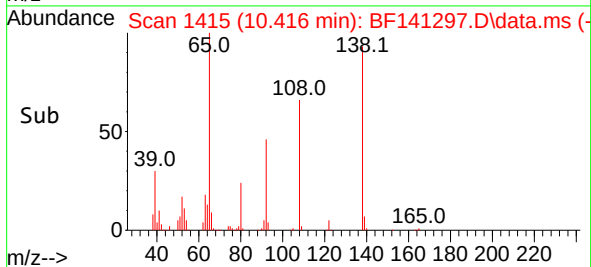
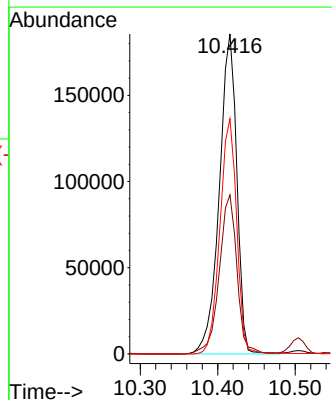
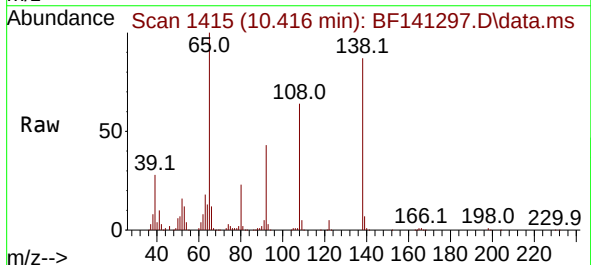
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

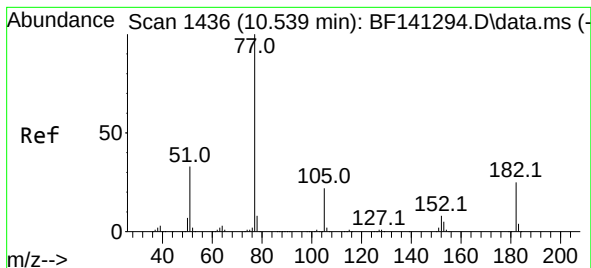
Tgt Ion:204 Resp: 541468
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.1 49.5 74.3



#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

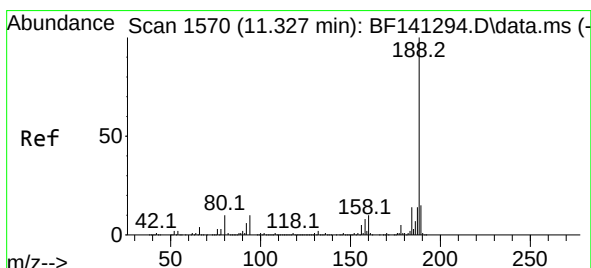
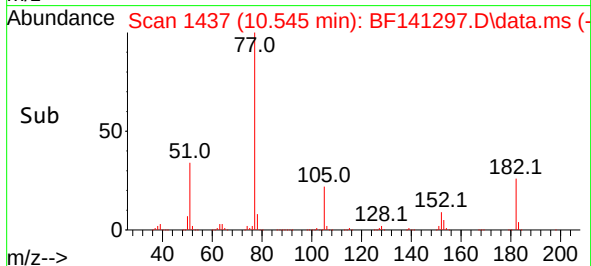
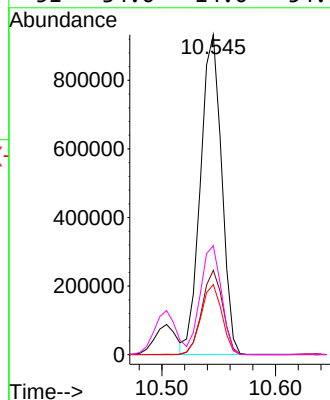
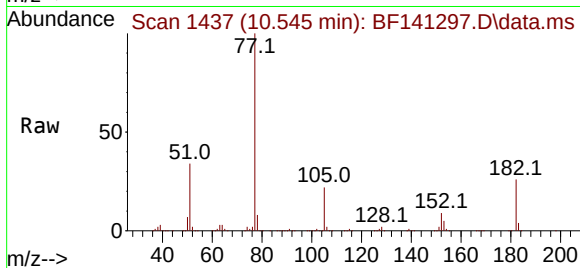
Ion Ratio Lower Upper

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

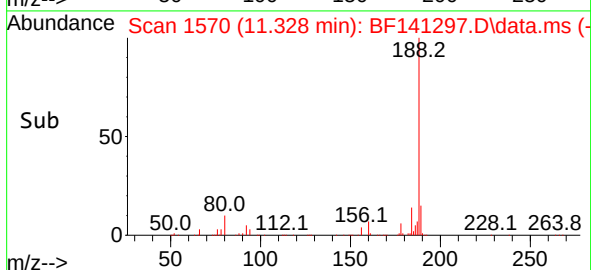
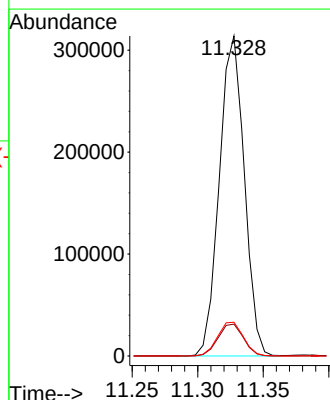
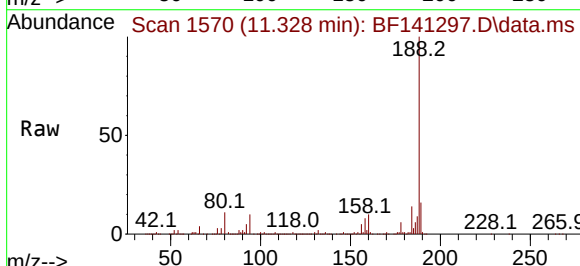
Tgt Ion:188 Resp: 415634

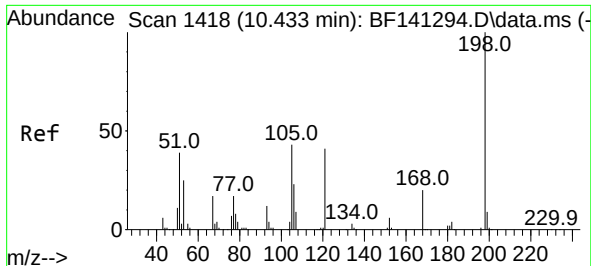
Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

80 10.6 8.2 12.4

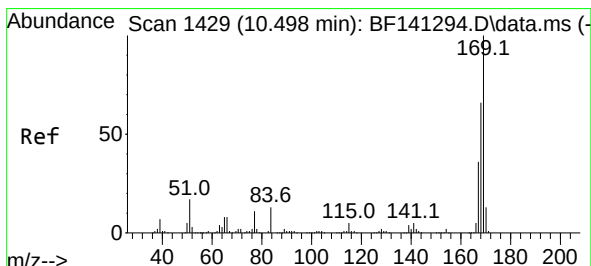
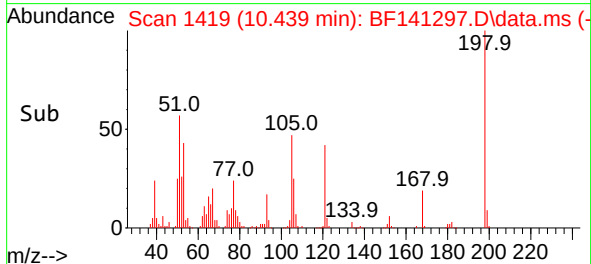
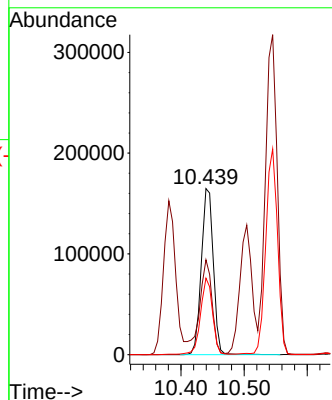
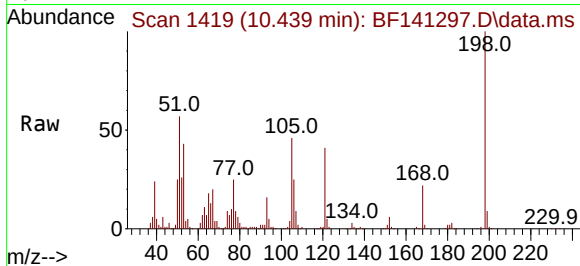




#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

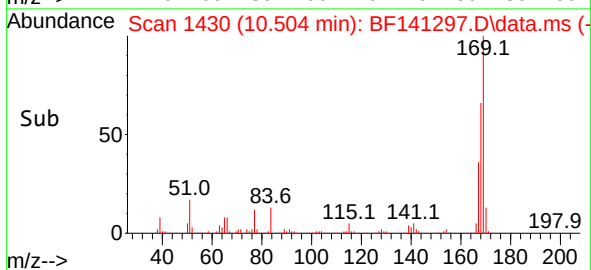
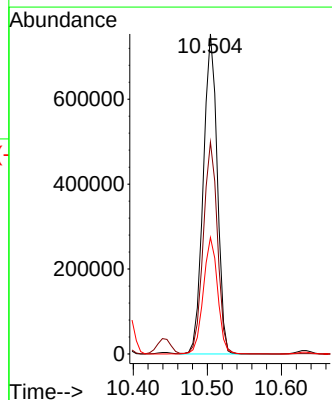
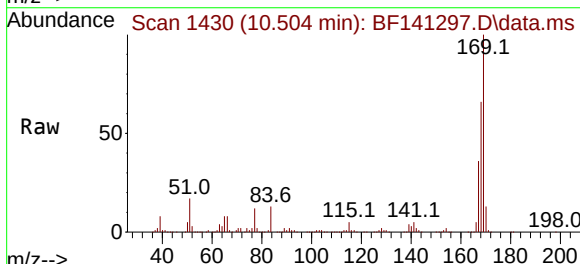
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

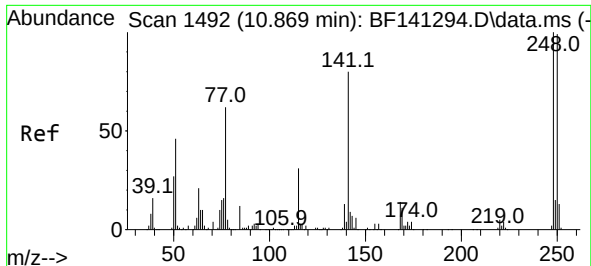
Tgt Ion:198 Resp: 217265
Ion Ratio Lower Upper
198 100
51 57.1 33.4 73.4
105 46.0 24.4 64.4



#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

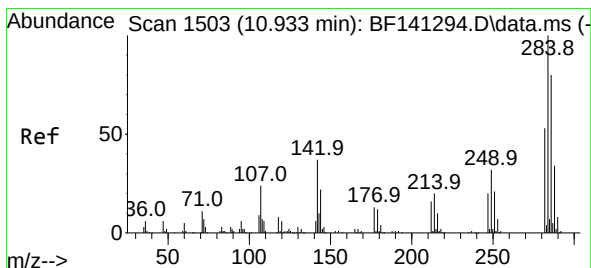
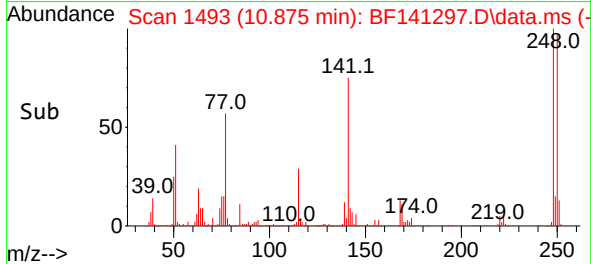
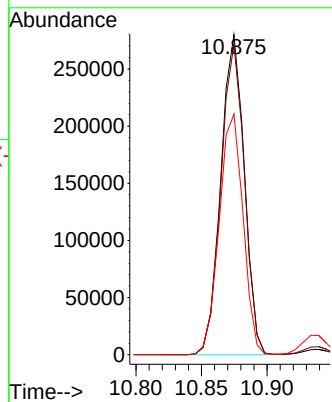
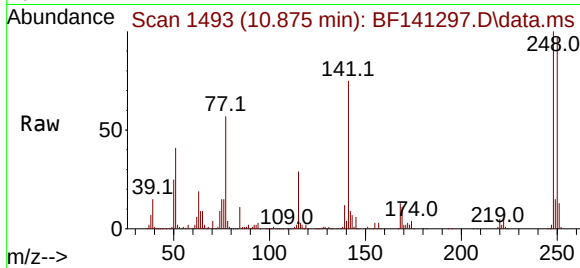




#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

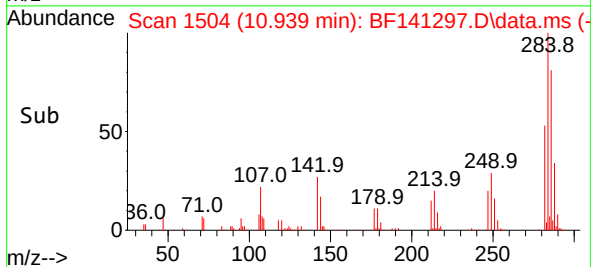
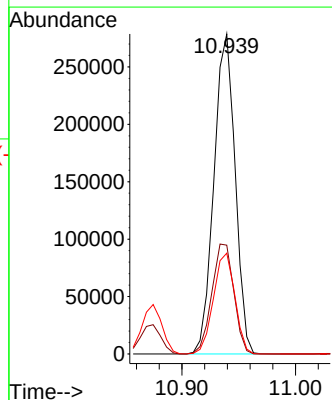
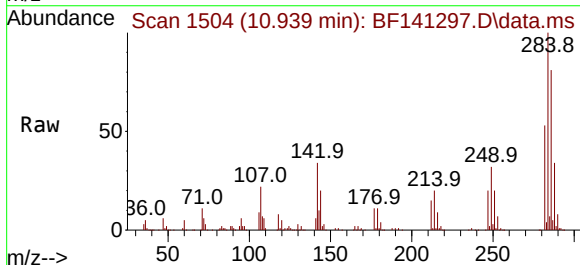
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

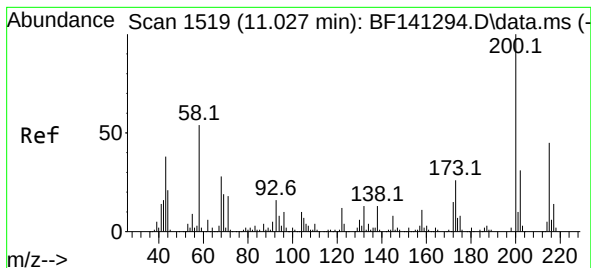
Tgt Ion:248 Resp: 348615
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 75.1 63.7 95.5



#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# 1520

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

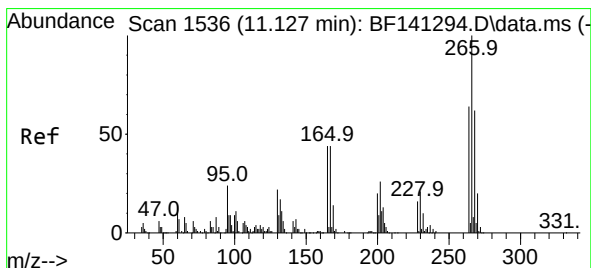
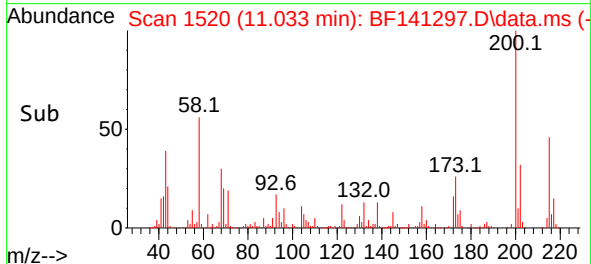
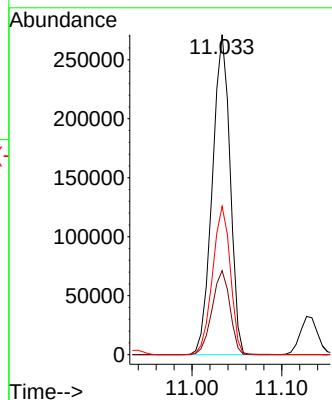
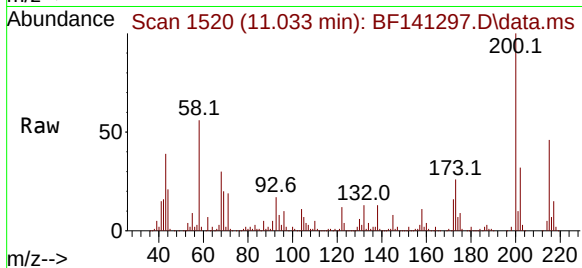
Tgt Ion:200 Resp: 372792

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

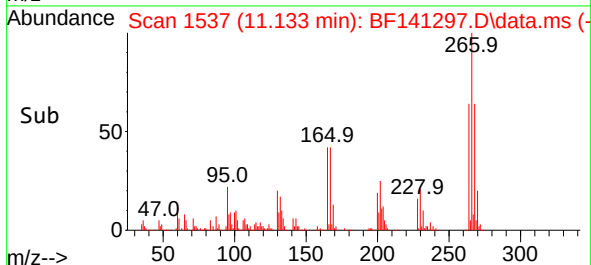
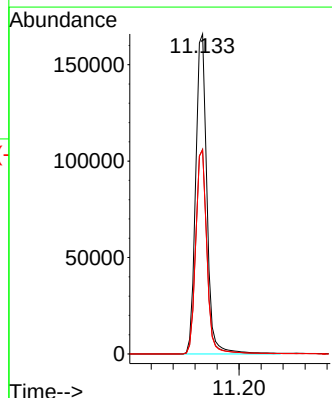
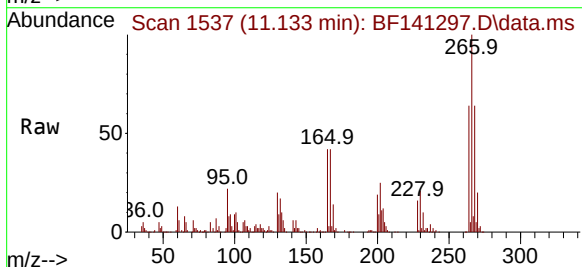
Tgt Ion:266 Resp: 235030

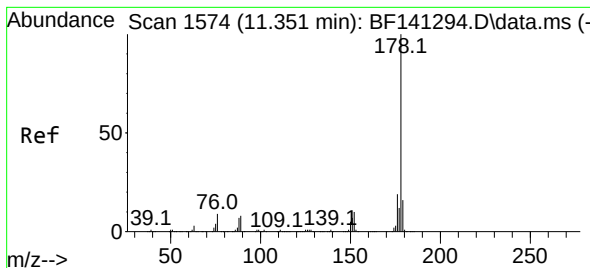
Ion Ratio Lower Upper

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

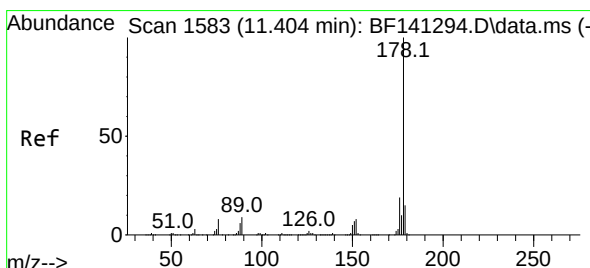
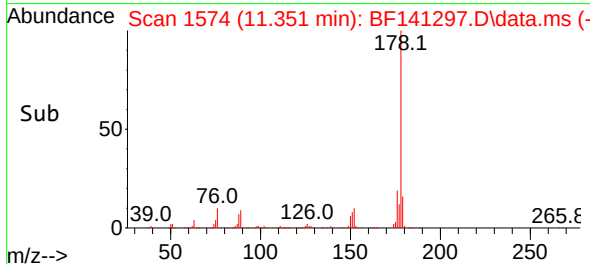
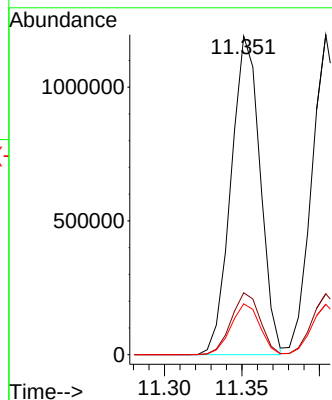
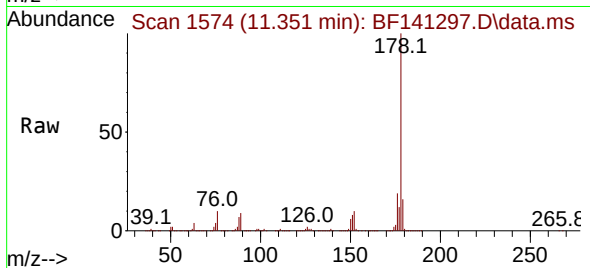
Tgt Ion:178 Resp: 1557660

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

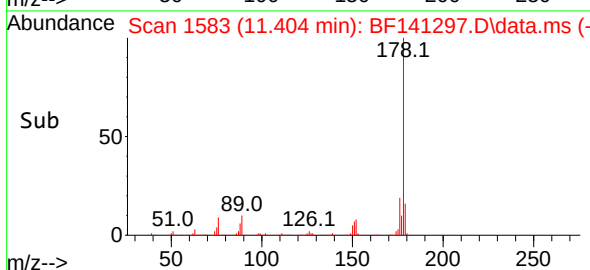
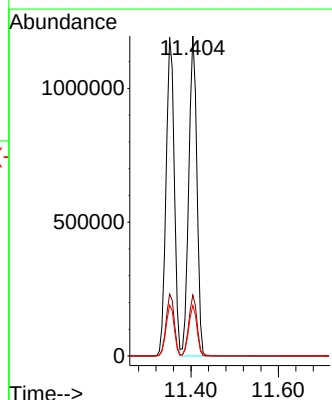
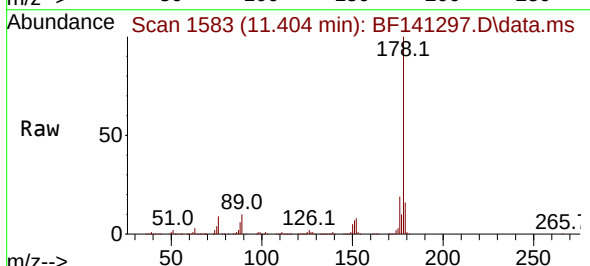
Tgt Ion:178 Resp: 1535860

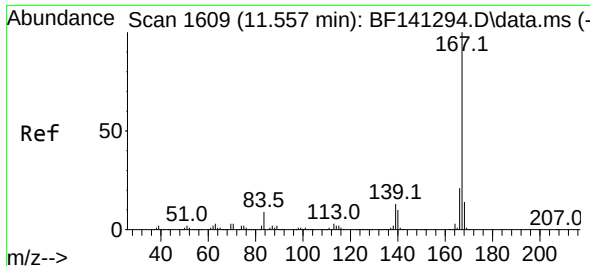
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

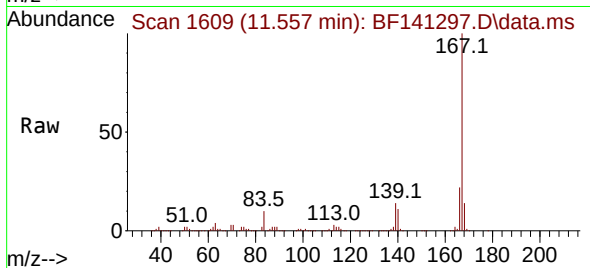
179 15.8 12.3 18.5



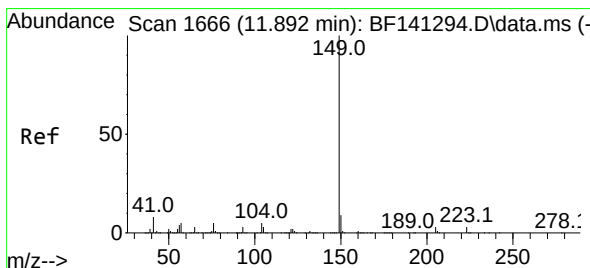
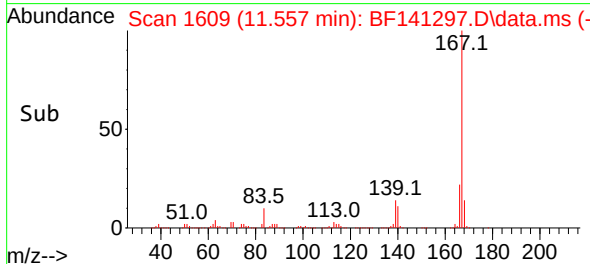
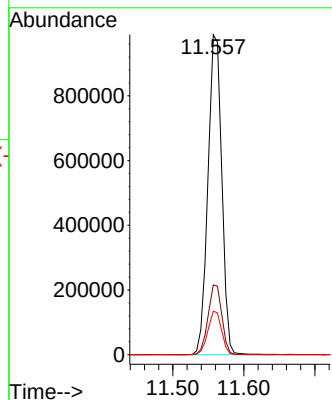


#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

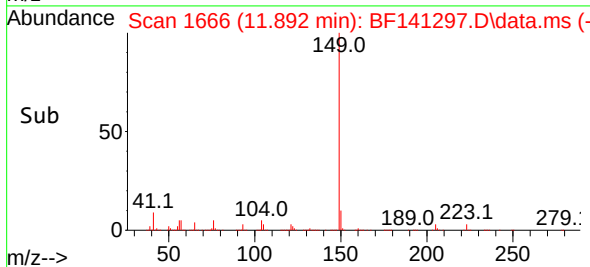
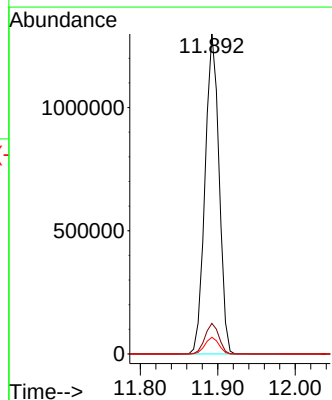
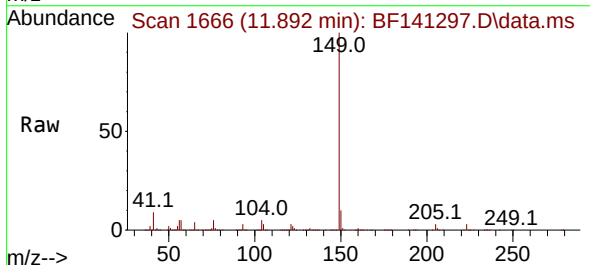


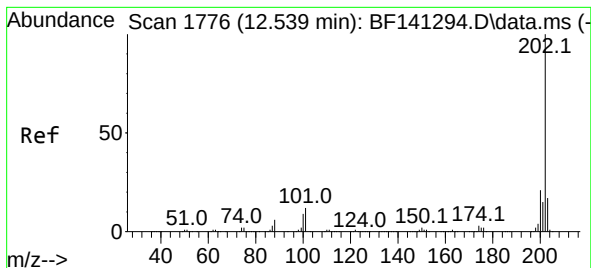
Tgt Ion:167 Resp: 1342447
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#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# 1

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

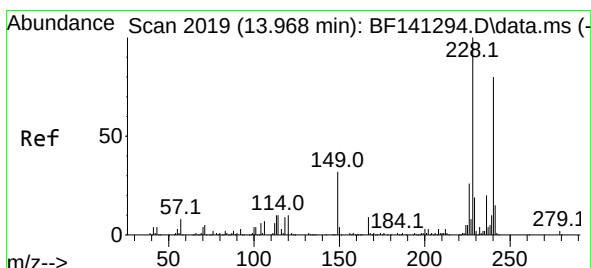
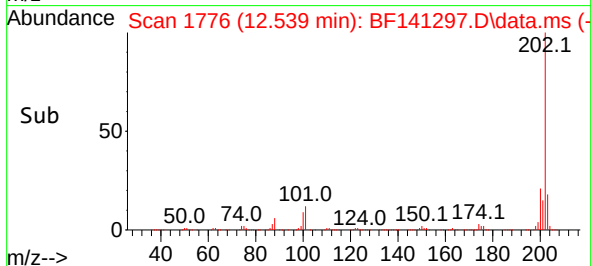
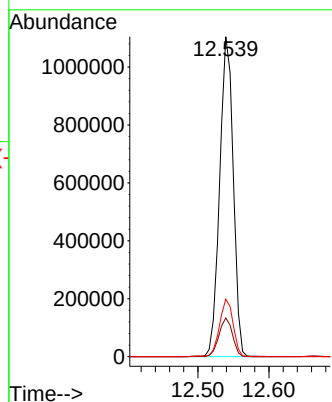
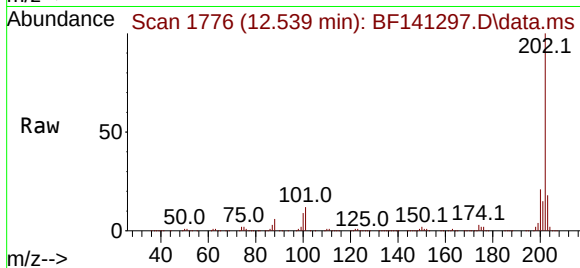
Tgt Ion:202 Resp: 1463196

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

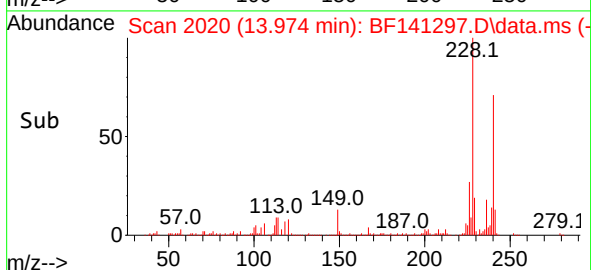
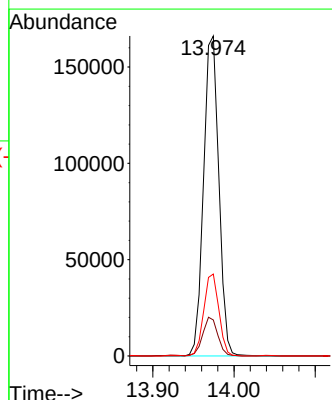
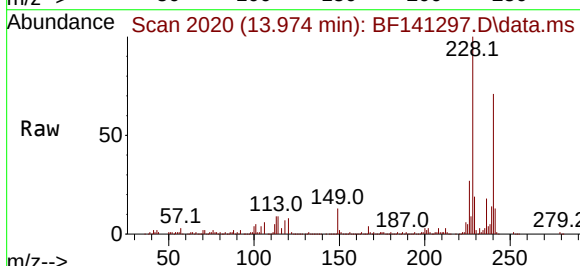
Tgt Ion:240 Resp: 216592

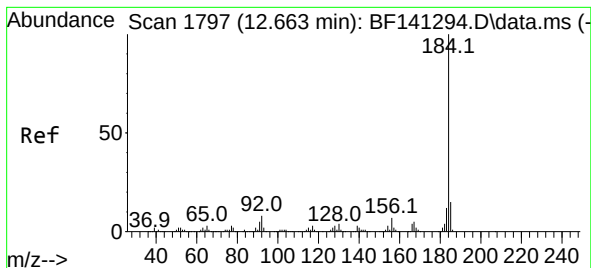
Ion Ratio Lower Upper

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

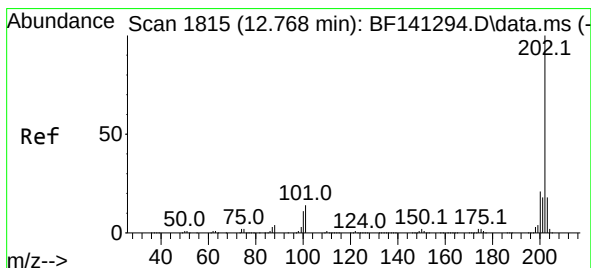
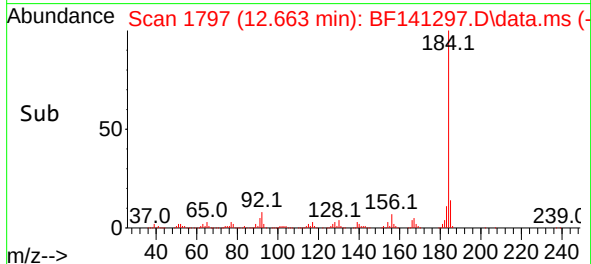
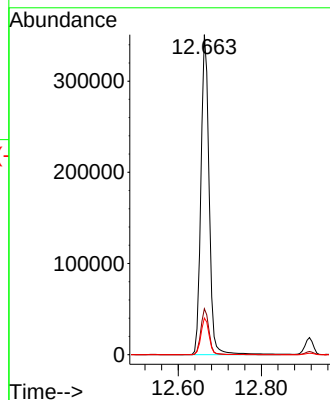
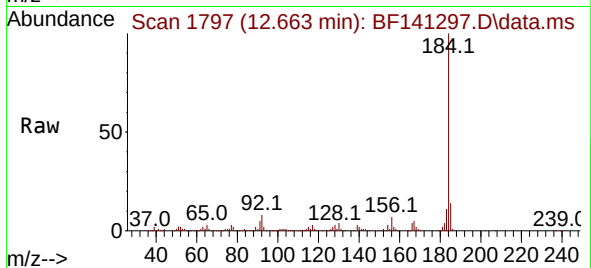
Tgt Ion:184 Resp: 481470

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

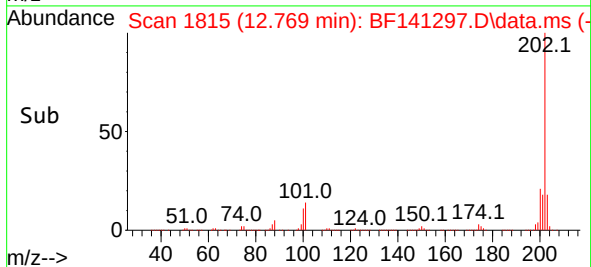
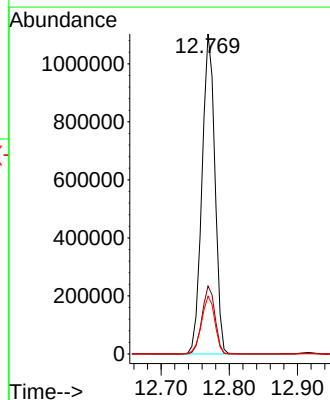
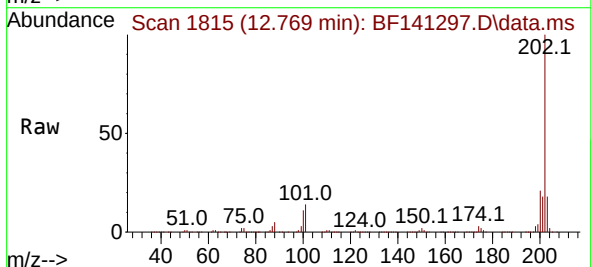
Tgt Ion:202 Resp: 1450076

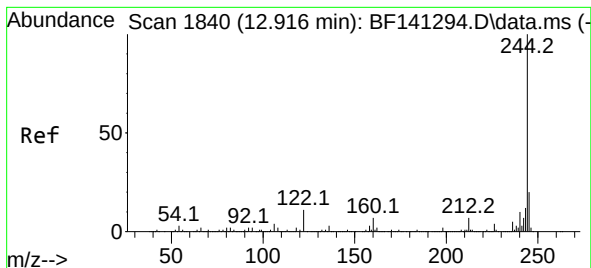
Ion Ratio Lower Upper

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

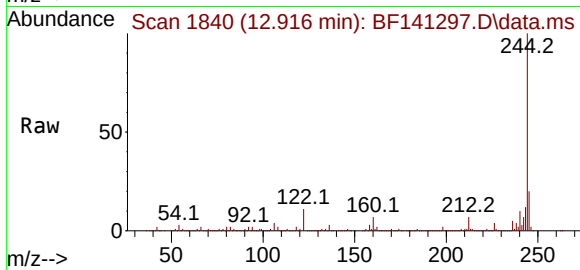
Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



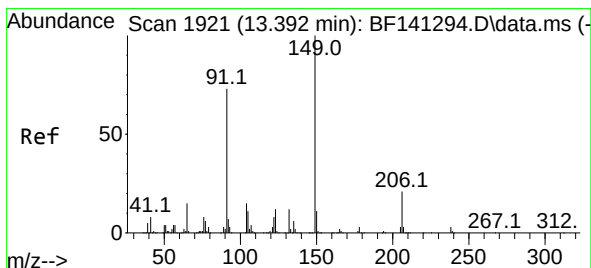
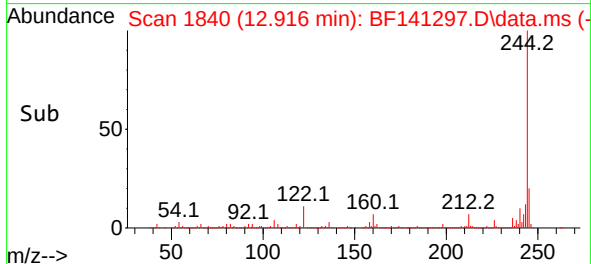
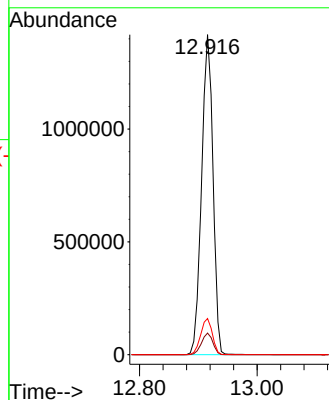
Tgt Ion:244 Resp: 1910783

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

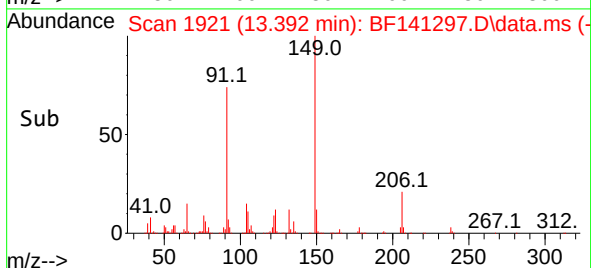
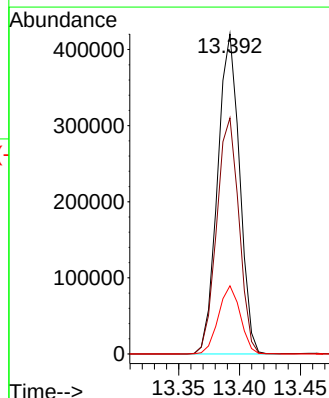
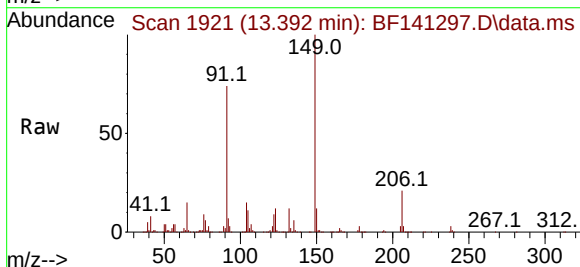
Tgt Ion:149 Resp: 528754

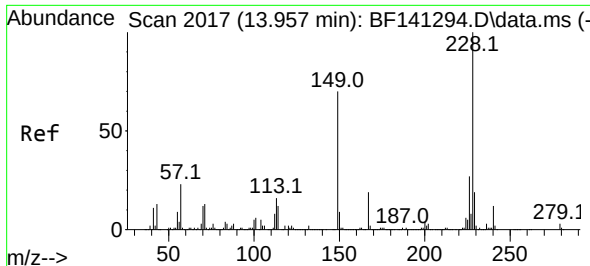
Ion Ratio Lower Upper

149 100

91 73.8 58.6 87.8

206 21.3 16.7 25.1

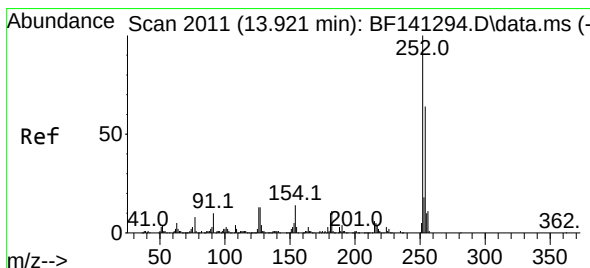
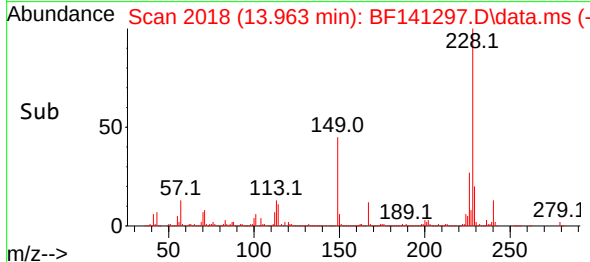
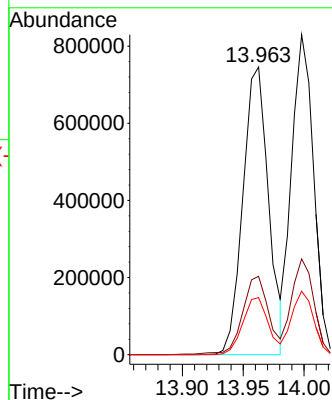
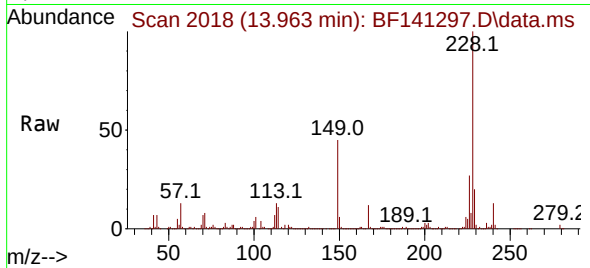




#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

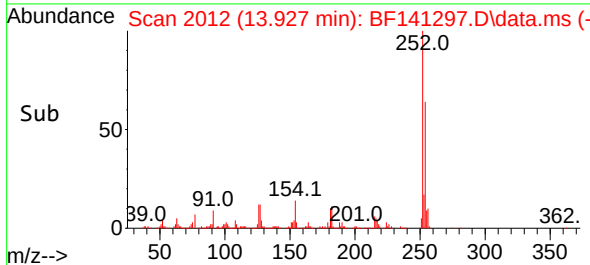
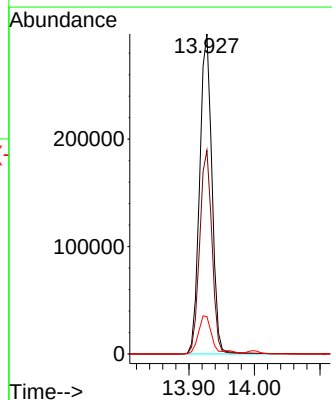
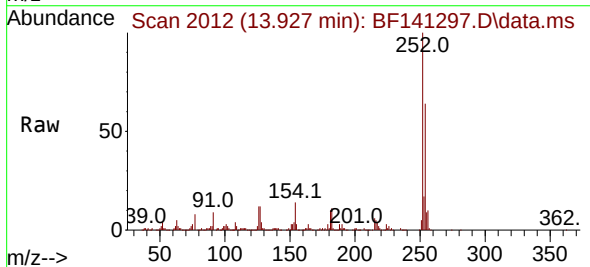
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

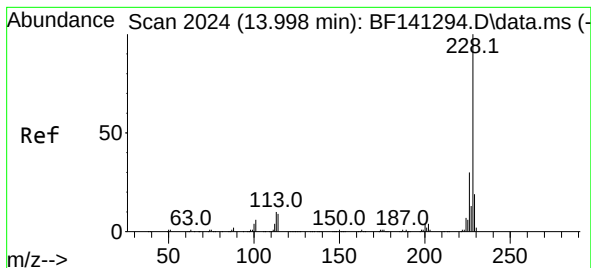
Tgt Ion:228 Resp: 1095972
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.8 15.5 23.3



#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

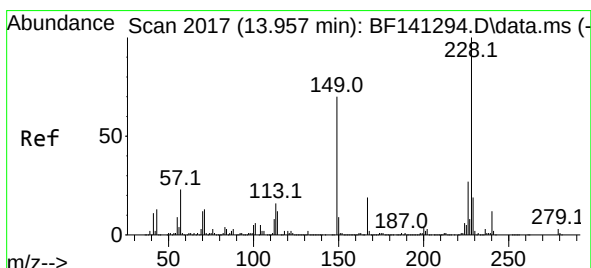
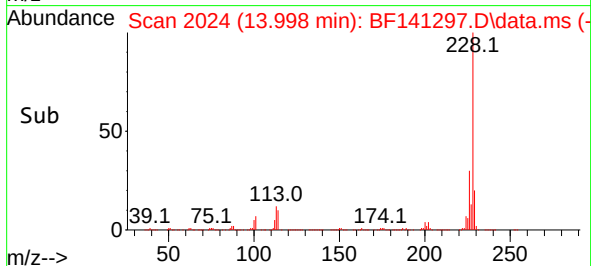
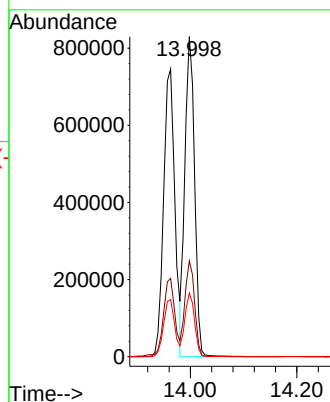
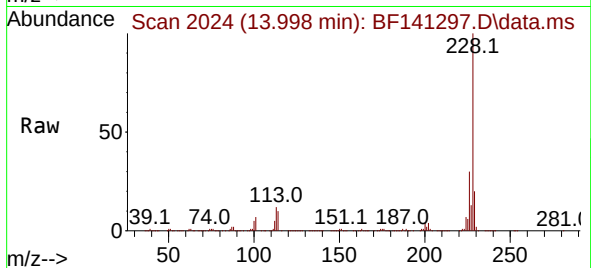
Tgt Ion:228 Resp: 1048083

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

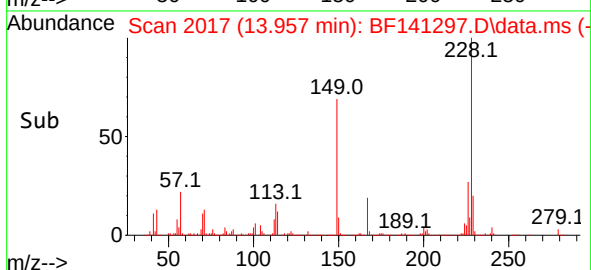
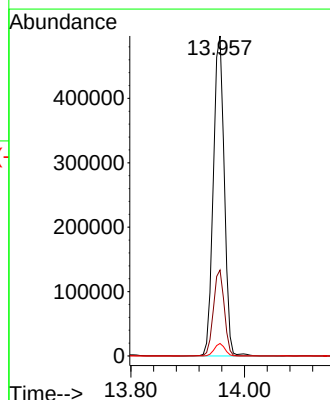
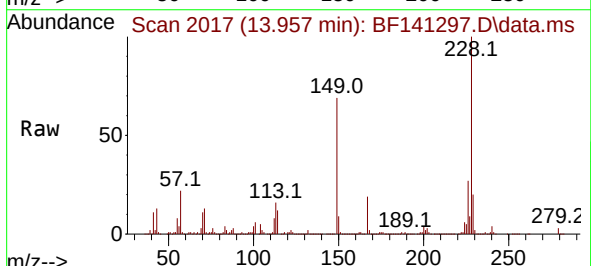
Tgt Ion:149 Resp: 662151

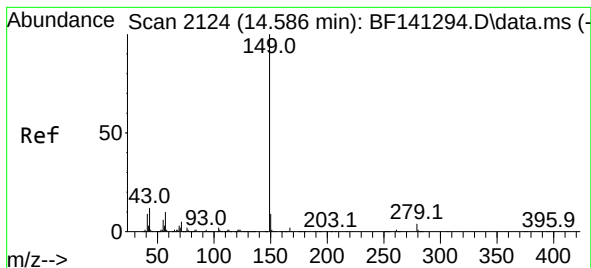
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

279 3.9 3.3 4.9

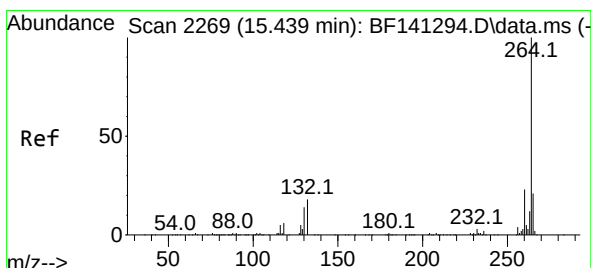
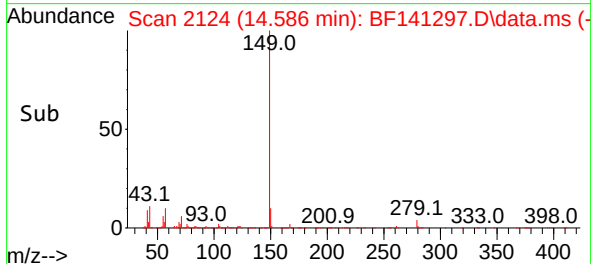
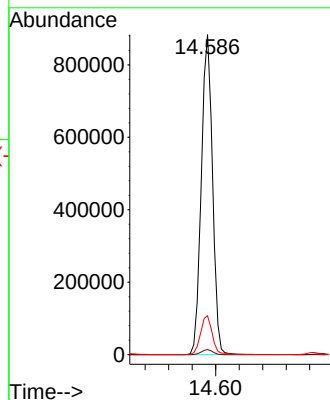
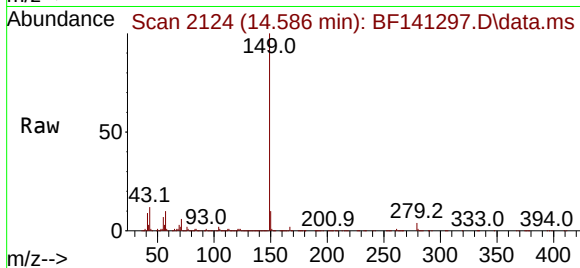




#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

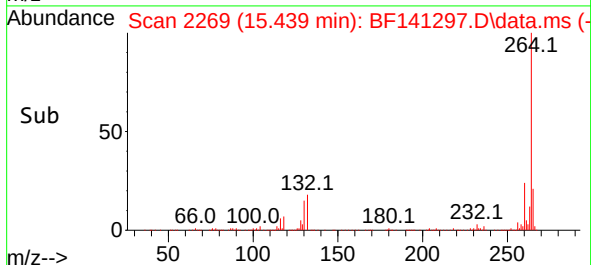
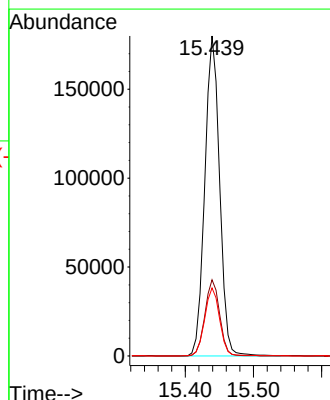
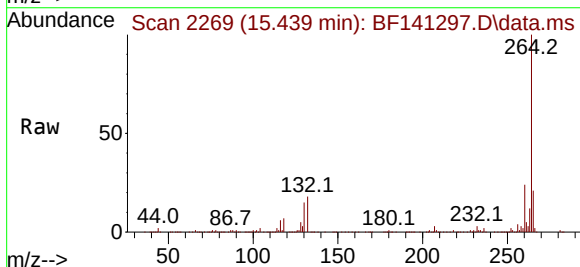
Instrument : BNA_F
ClientSampleId : SSTDICC080

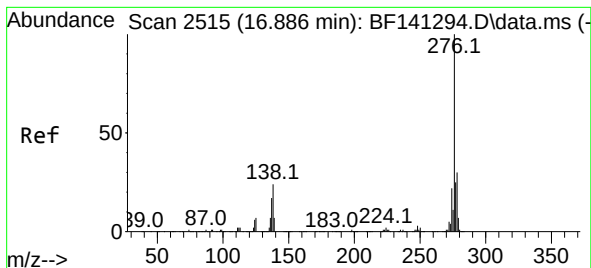
Tgt Ion:149 Resp: 1171131
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 9.8 14.8



#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 :

SSTDICC080

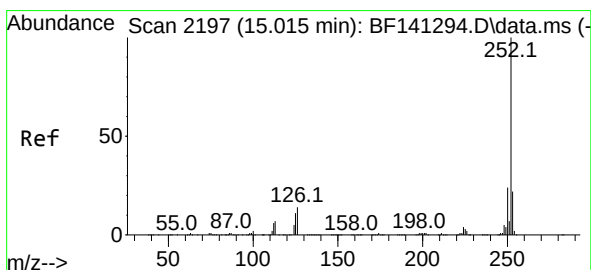
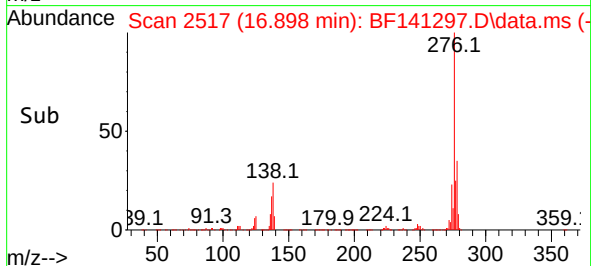
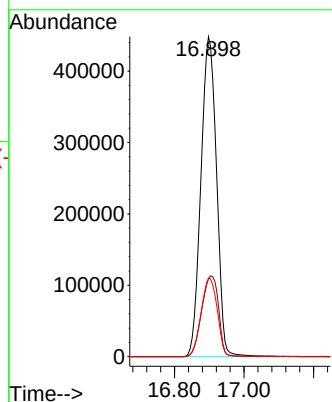
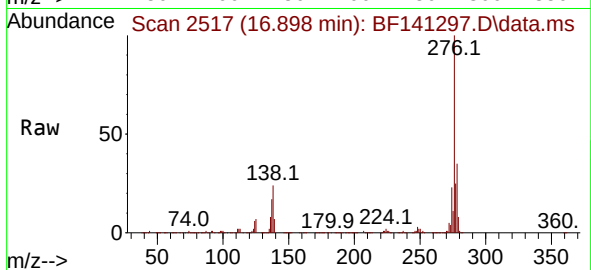
Tgt Ion:276 Resp: 1399119

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

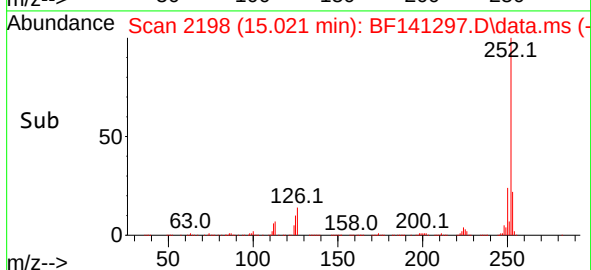
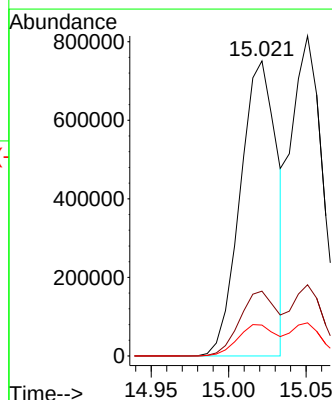
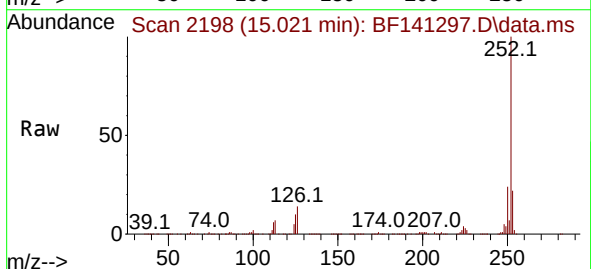
Tgt Ion:252 Resp: 1235245

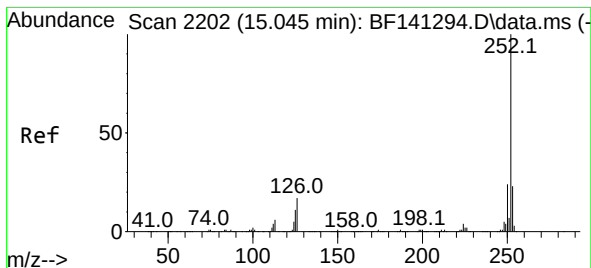
Ion Ratio Lower Upper

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

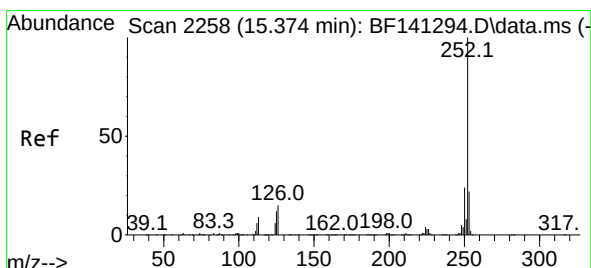
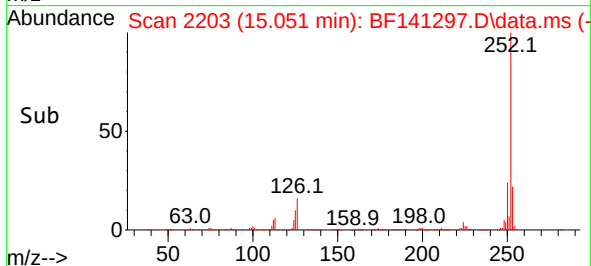
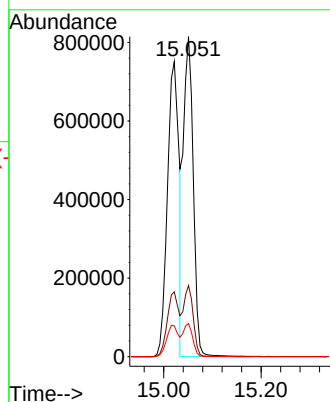
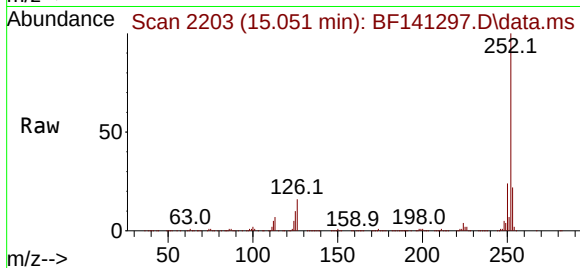
Tgt Ion:252 Resp: 1146296

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

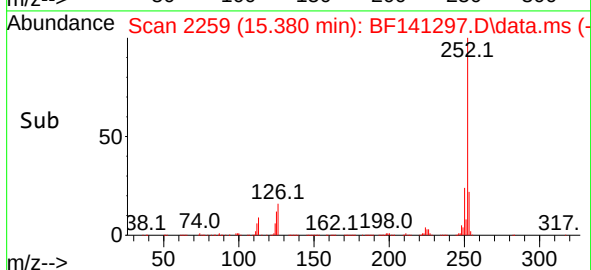
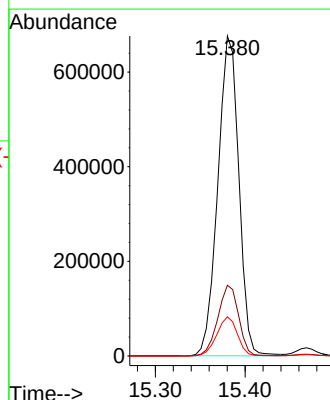
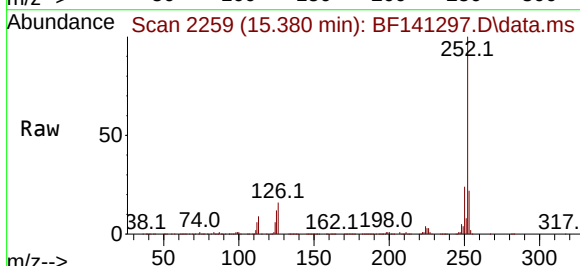
Tgt Ion:252 Resp: 1098491

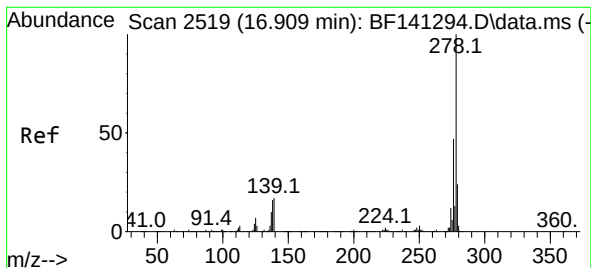
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

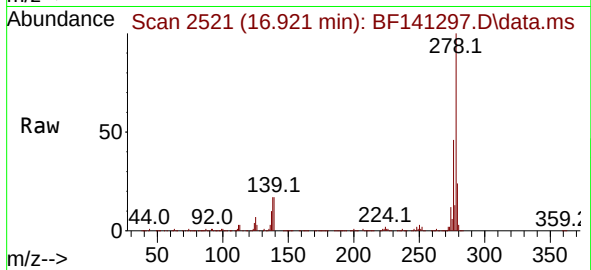
125 12.3 9.4 14.2



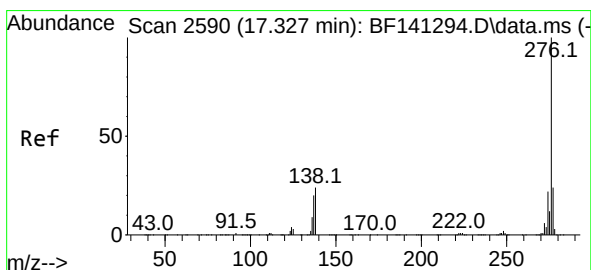
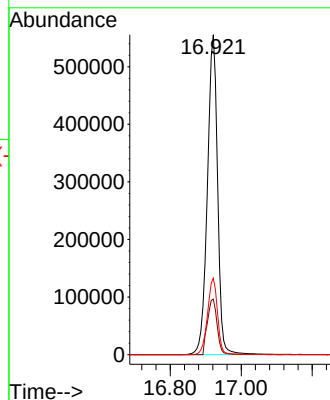
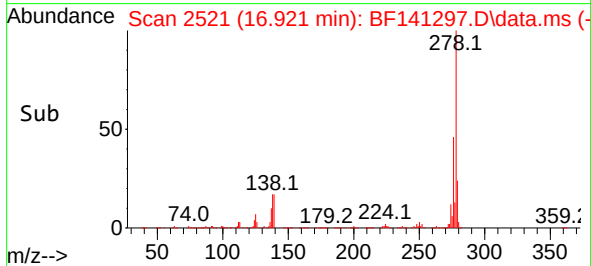


#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2521
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

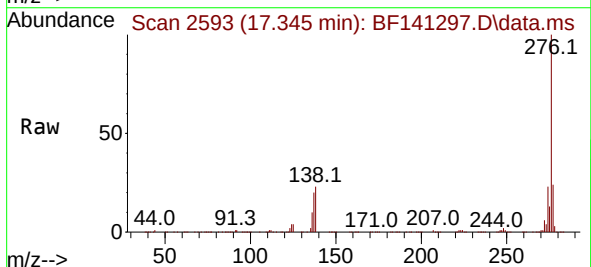
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



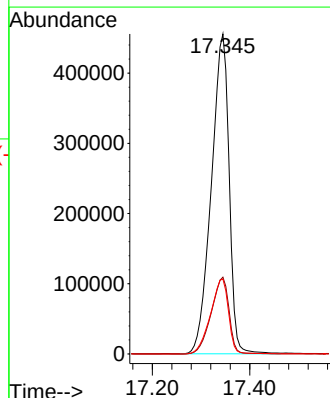
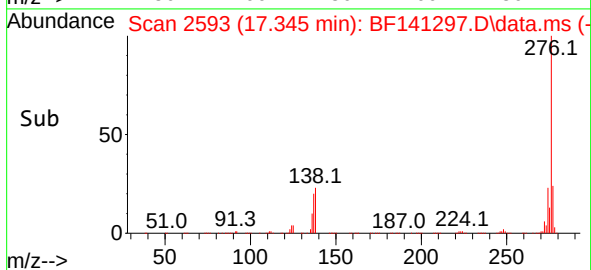
Tgt Ion:278 Resp: 1117397
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.9 18.8 28.2



#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

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)
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

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)
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

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

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

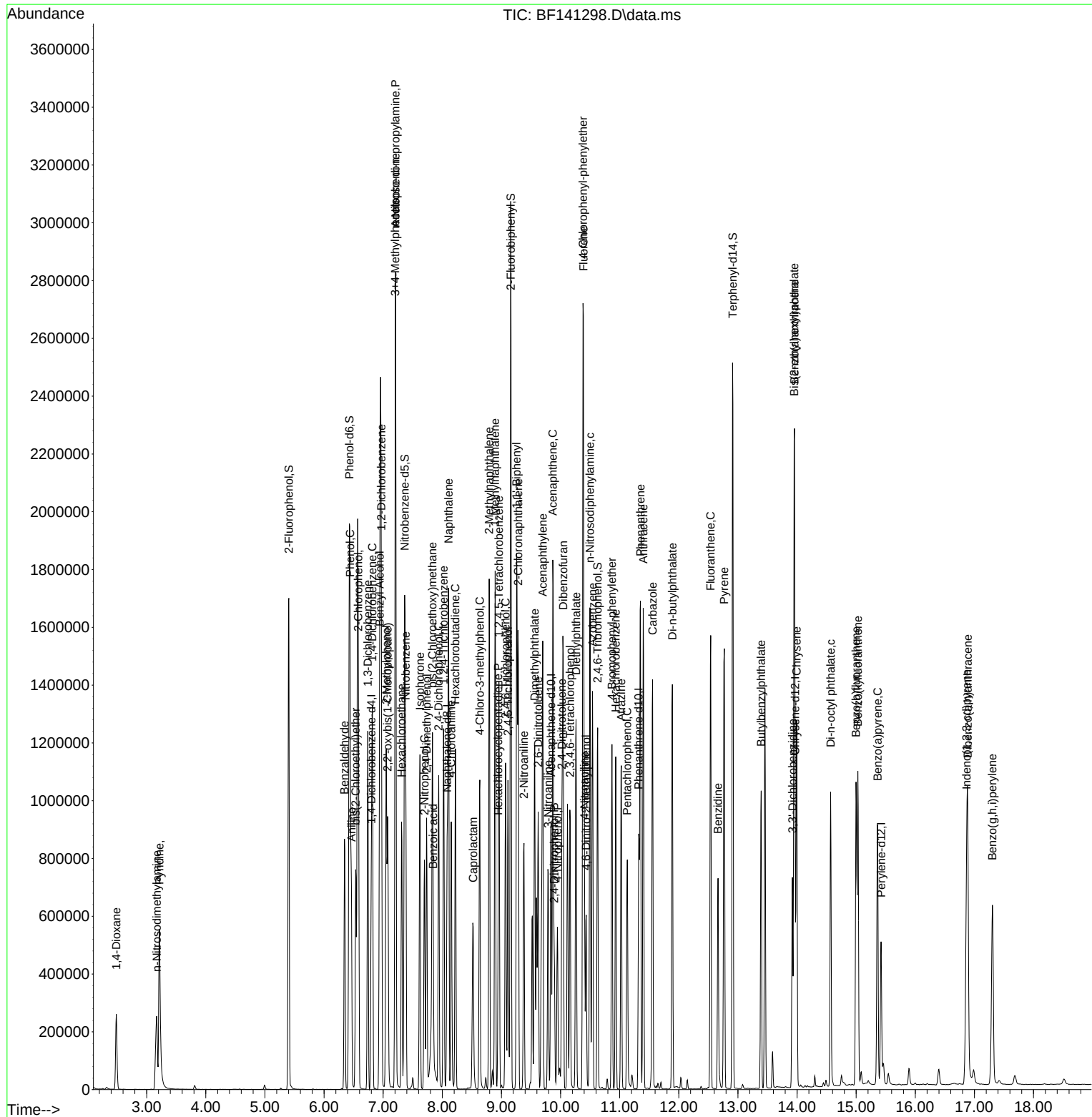
Quant Time: Jan 30 03:16:08 2025

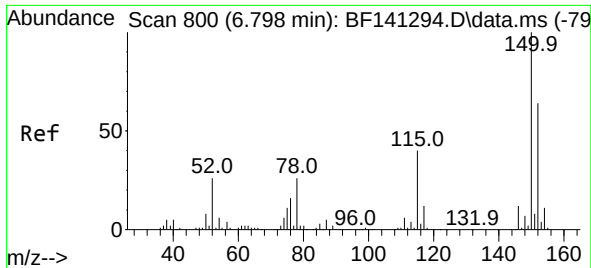
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration





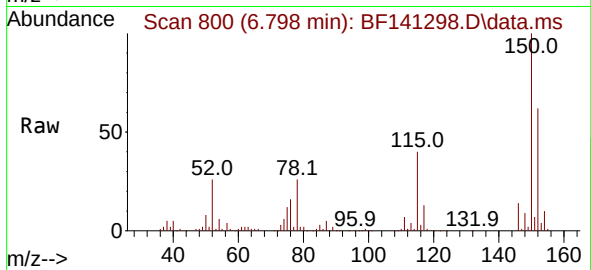
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

Client Sample Id :

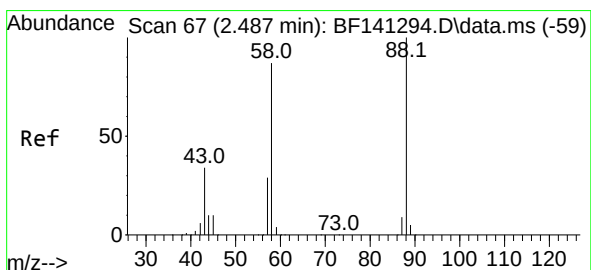
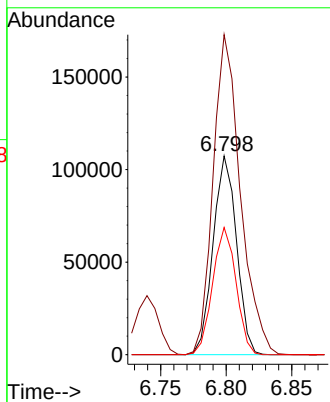
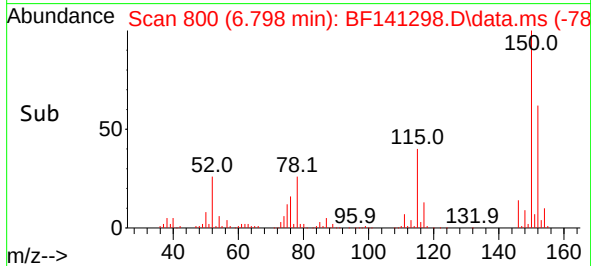
ICVBF012925



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

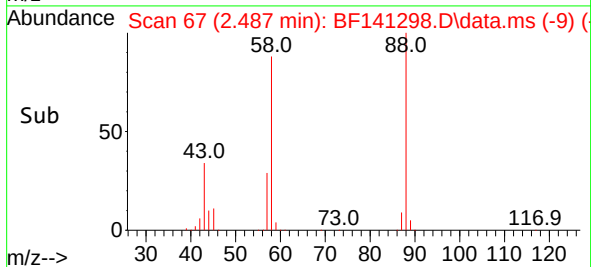
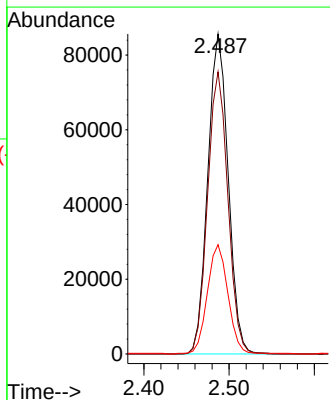
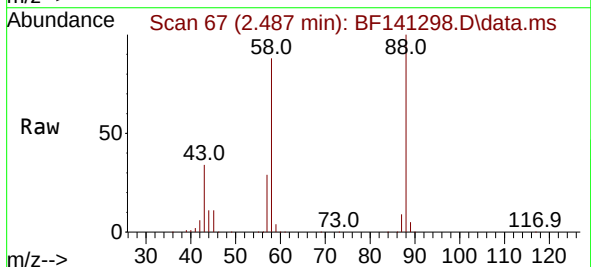
Manual Integrations
APPROVED

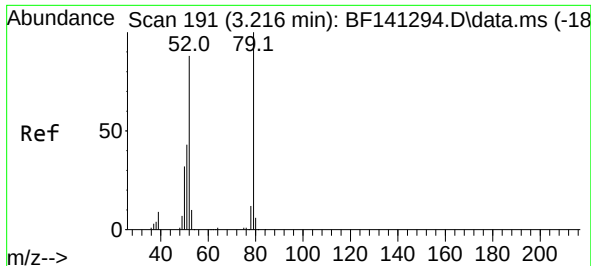
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





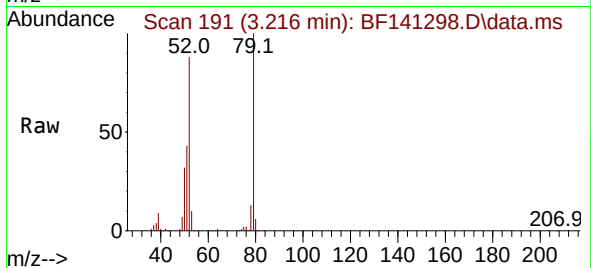
#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

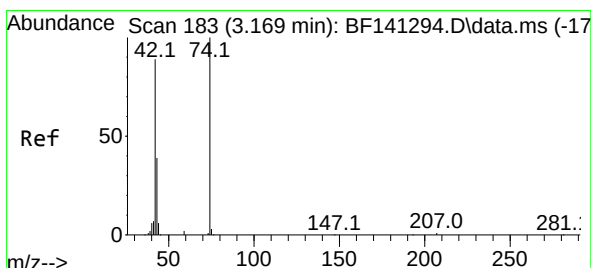
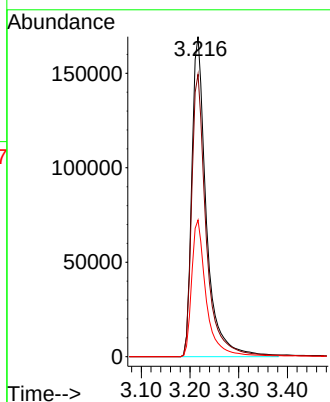
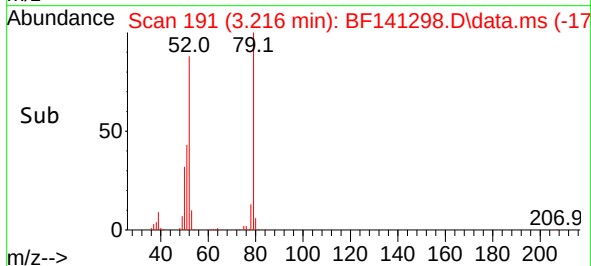
ICVBF012925



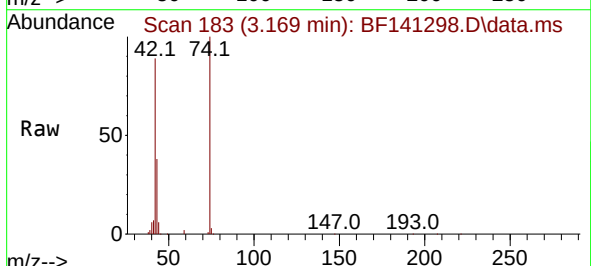
Tgt Ion: 79 Resp: 353478
Ion Ratio Lower Upper
79 100
52 88.3 70.3 105.5
51 42.7 34.3 51.5

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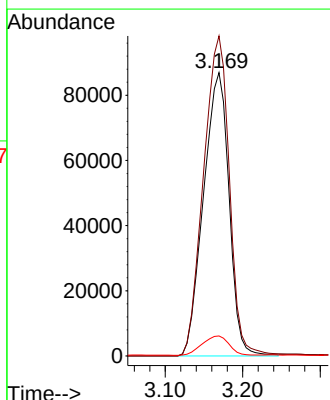
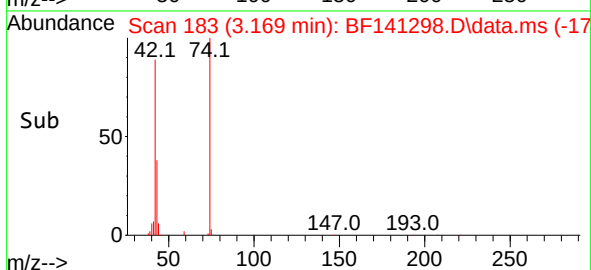
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

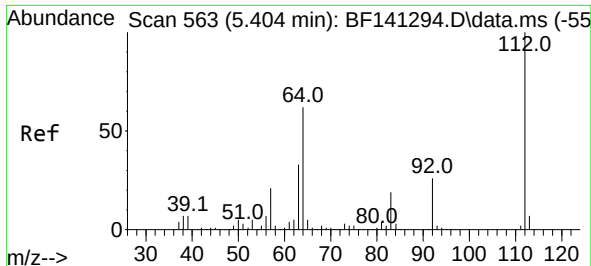


#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

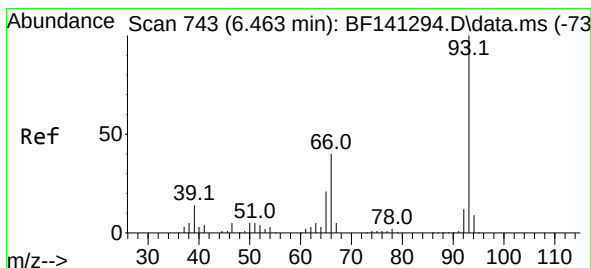
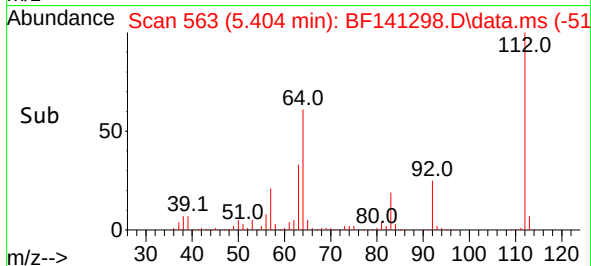
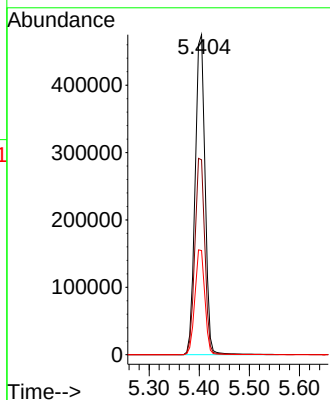
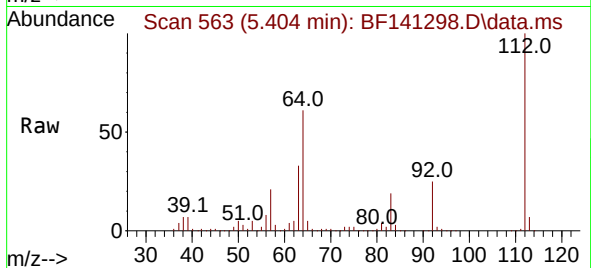
ClientSampleId :

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

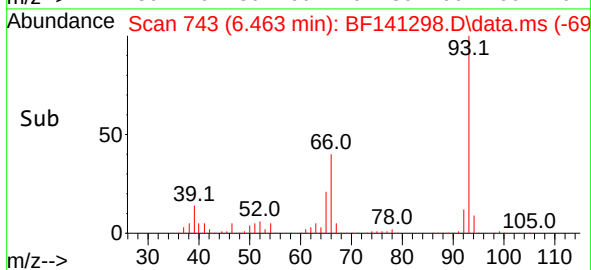
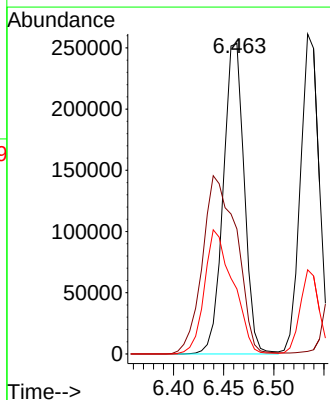
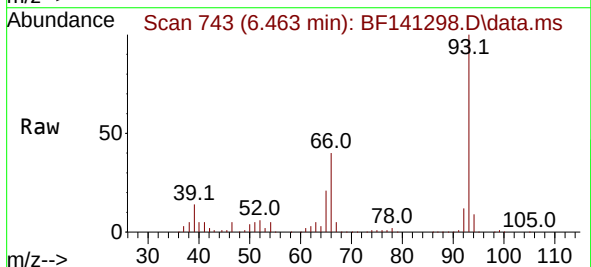
Manual Integrations
APPROVED

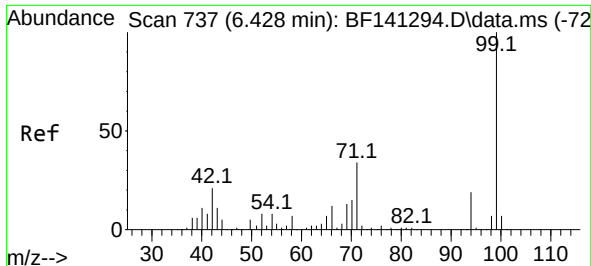
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

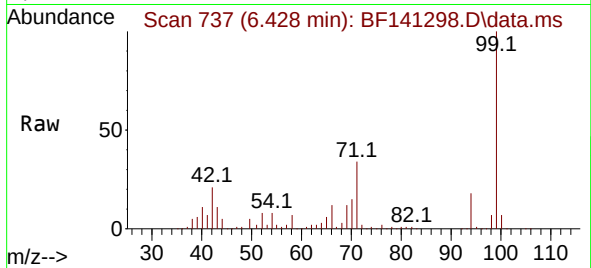
Tgt Ion: 93 Resp: 368792
Ion Ratio Lower Upper
93 100
66 40.3 32.5 48.7
65 20.9 17.0 25.6





#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

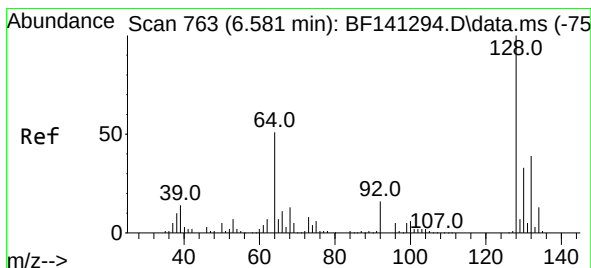
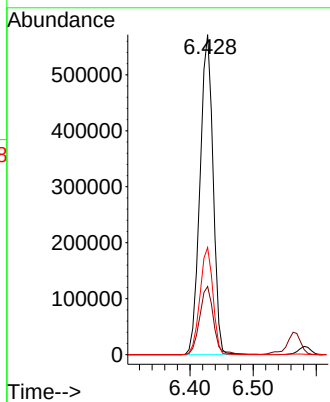
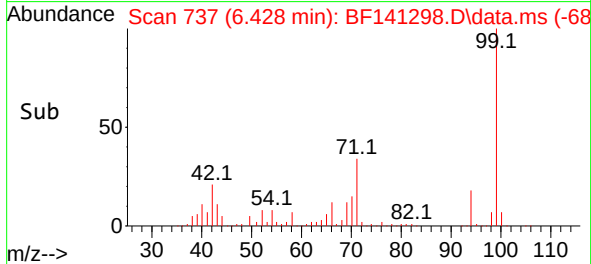
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



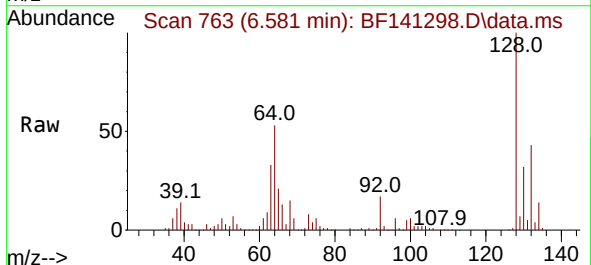
Tgt Ion: 99 Resp: 824574
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 33.5 26.9 40.3

Manual Integrations
APPROVED

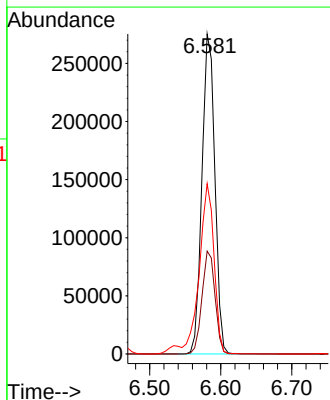
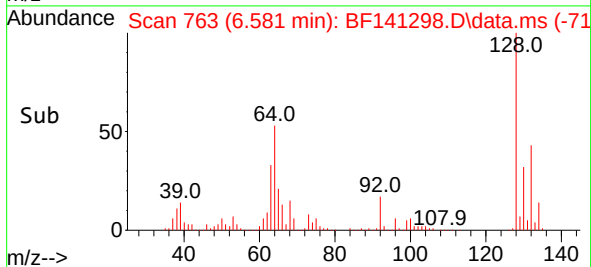
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

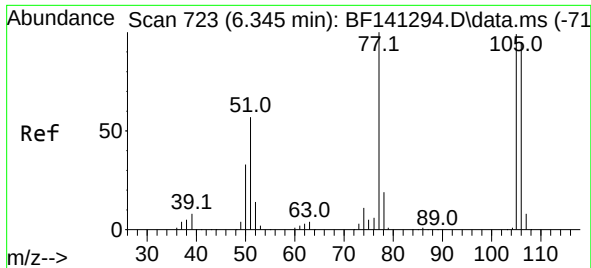


#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



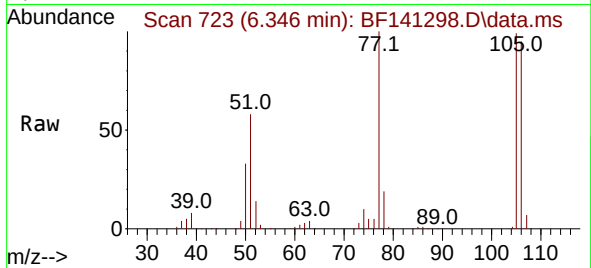
Tgt Ion:128 Resp: 349085
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 53.2 32.9 72.9





#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

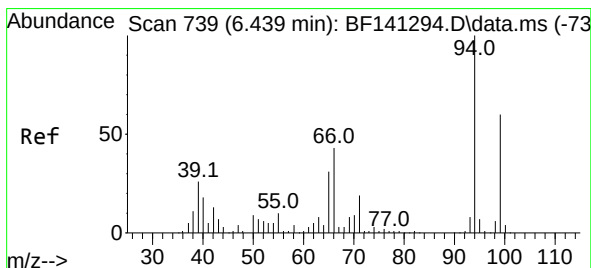
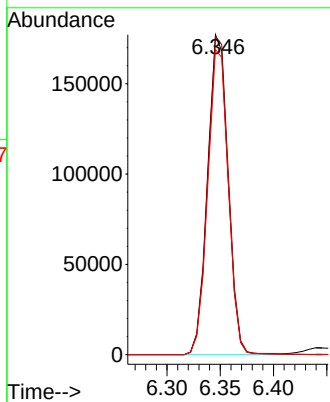
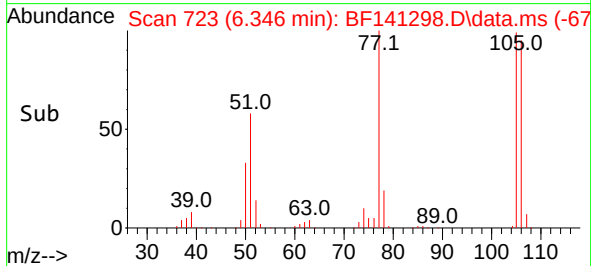
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



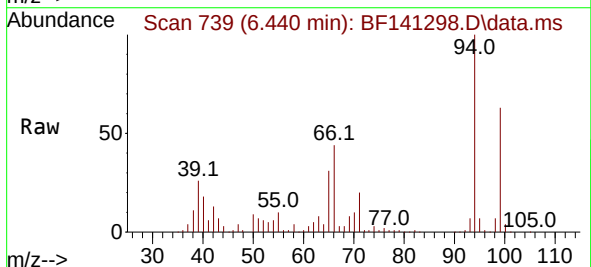
Tgt Ion: 77 Resp: 23653
Ion Ratio Lower Upper
77 100
105 99.5 79.4 119.4
106 95.3 74.6 114.6

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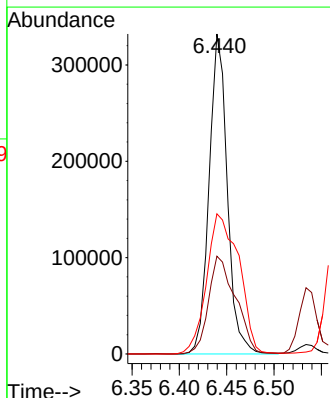
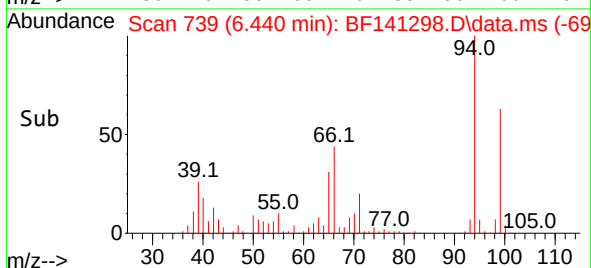
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

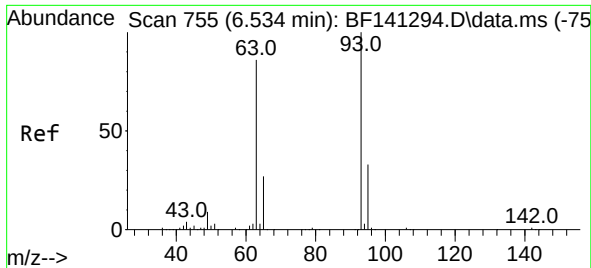


#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





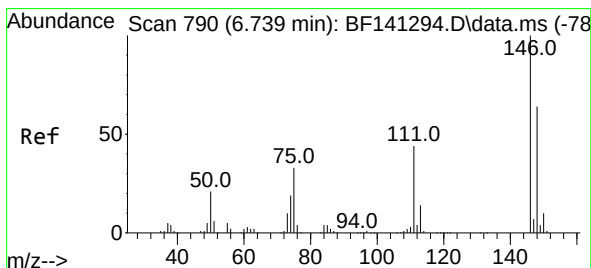
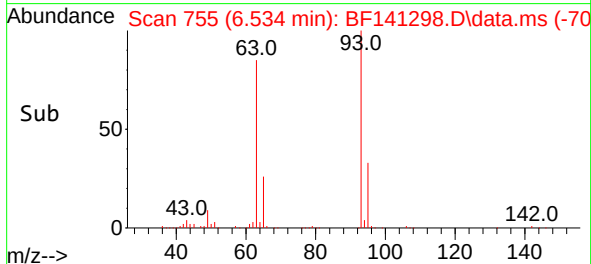
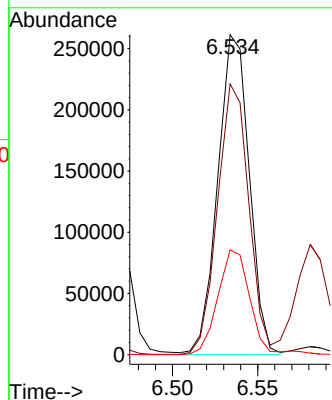
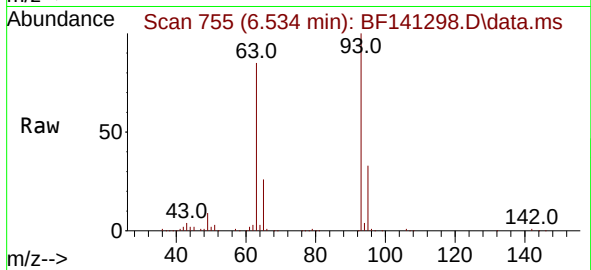
#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

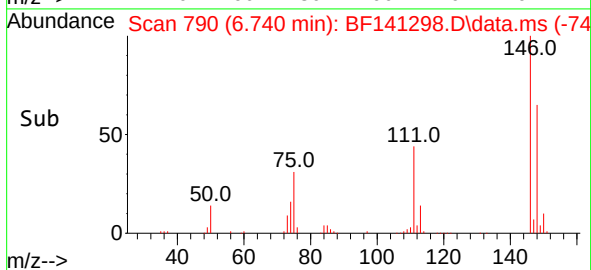
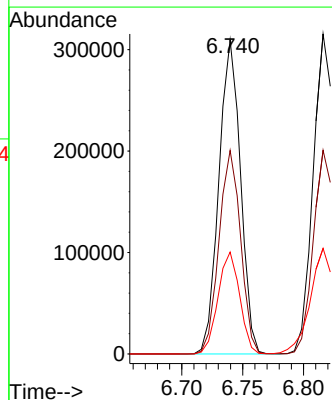
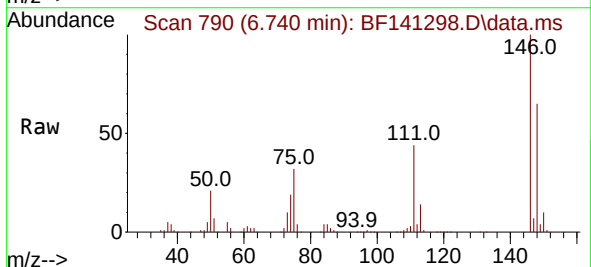
Manual Integrations
APPROVED

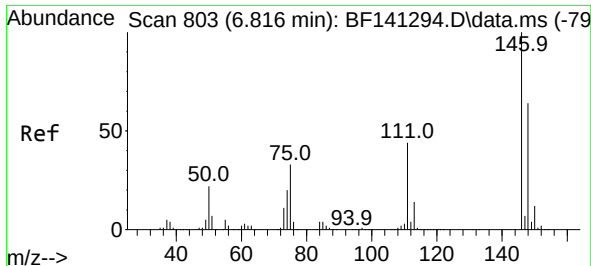
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

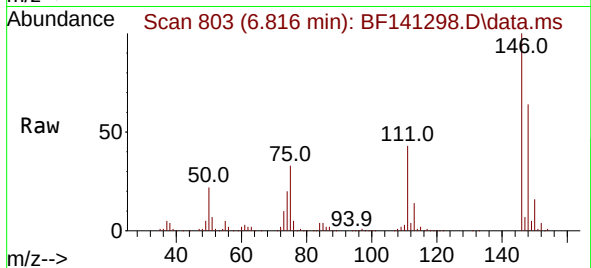
Tgt Ion:146 Resp: 382682
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
75 32.4 26.2 39.4





#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

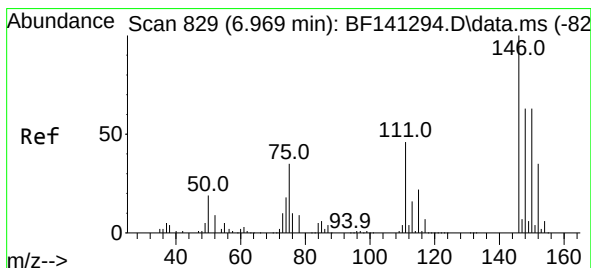
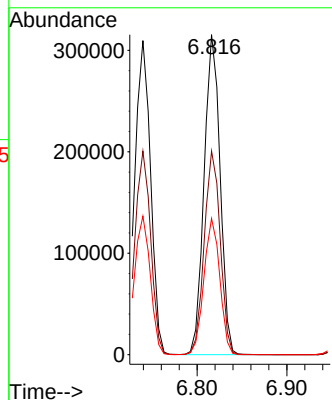
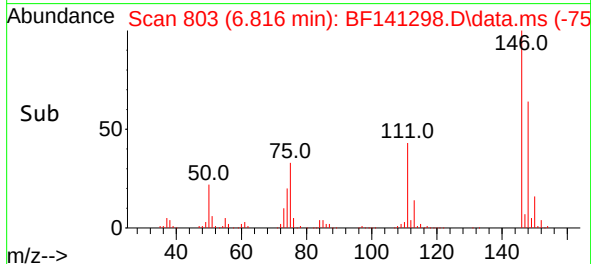
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



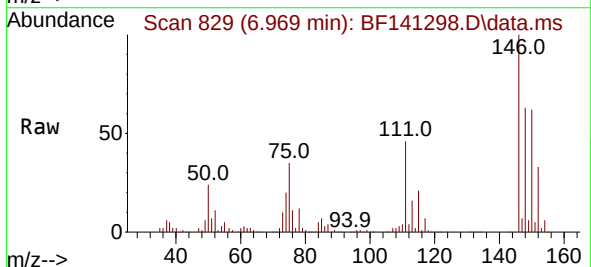
Tgt Ion:146 Resp: 390597
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
111 42.5 35.0 52.4

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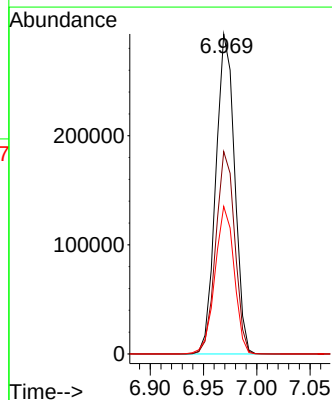
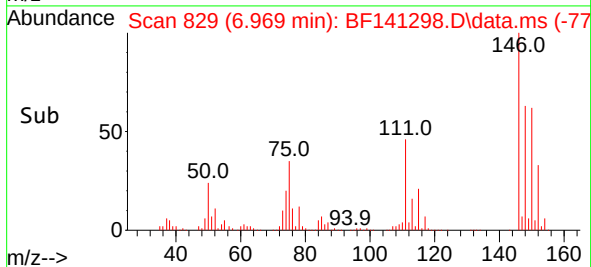
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

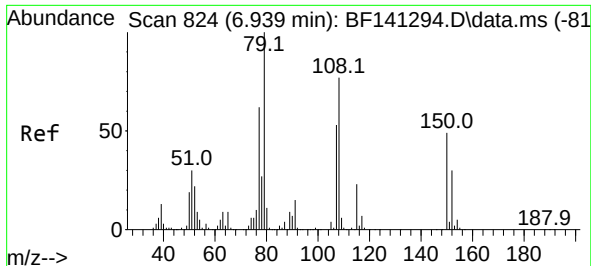


#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



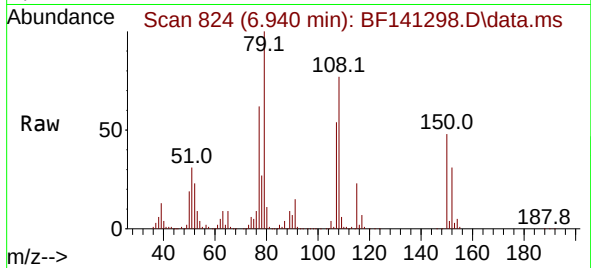
Tgt Ion:146 Resp: 359529
Ion Ratio Lower Upper
146 100
148 63.3 50.5 75.7
111 46.1 36.6 55.0





#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

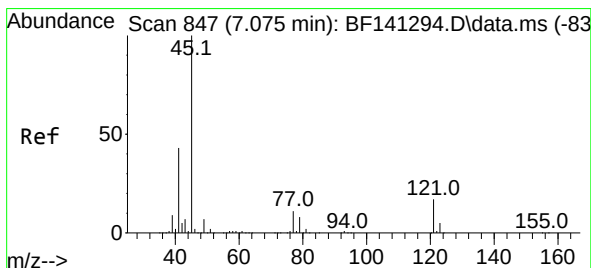
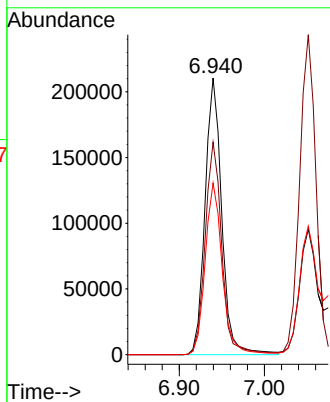
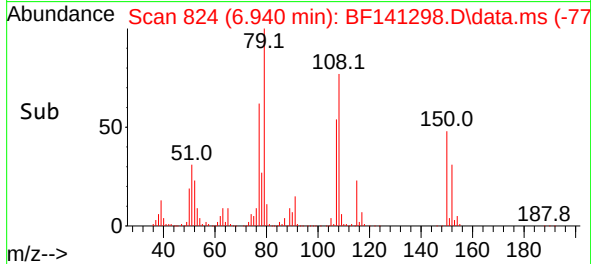
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



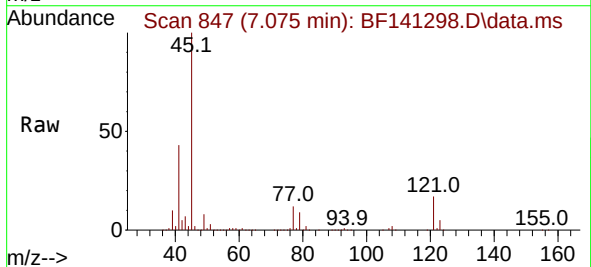
Tgt Ion: 79 Resp: 286519
Ion Ratio Lower Upper
79 100
108 76.8 61.4 92.0
77 62.0 49.9 74.9

Manual Integrations
APPROVED

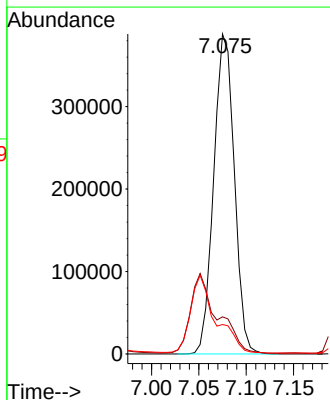
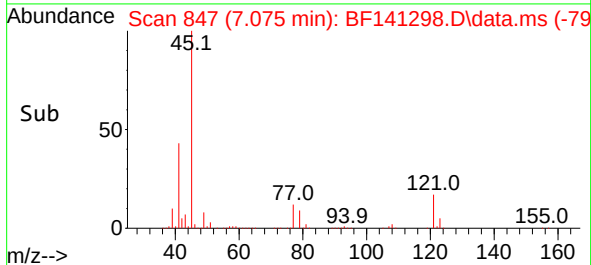
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

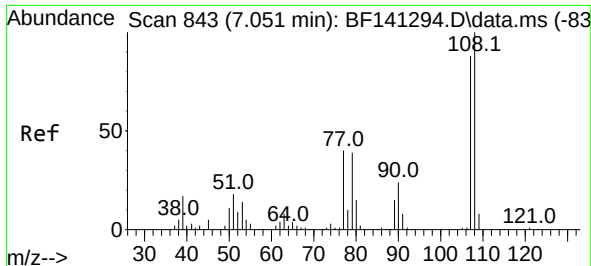


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



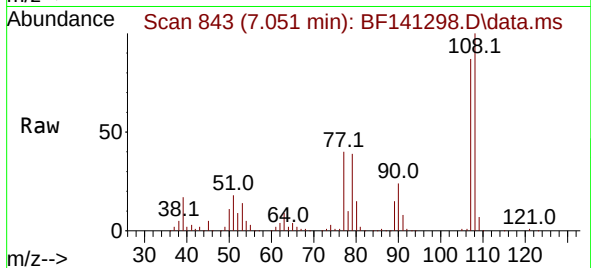
Tgt Ion: 45 Resp: 587637
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.8
79 9.2 0.0 29.1





#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

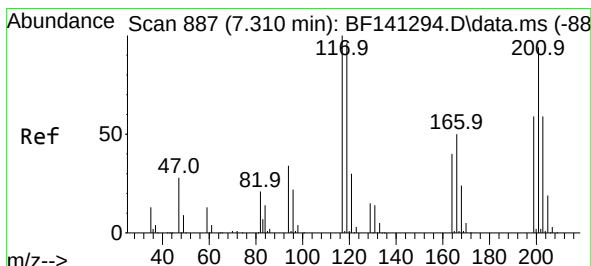
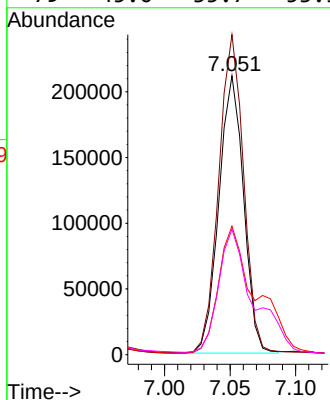
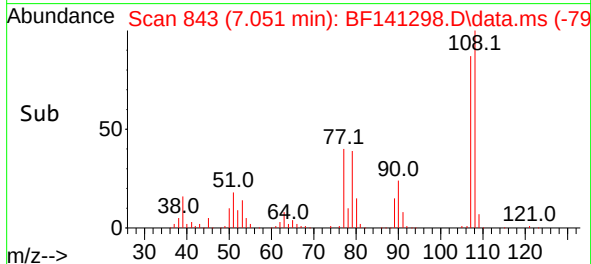
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



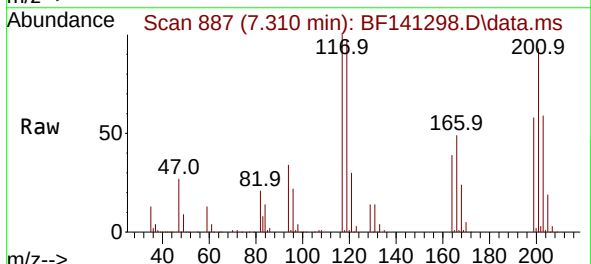
Tgt Ion:107 Resp: 276450
Ion Ratio Lower Upper
107 100
108 114.8 90.8 136.2
77 46.1 36.2 54.4
79 45.0 35.7 53.5

Manual Integrations
APPROVED

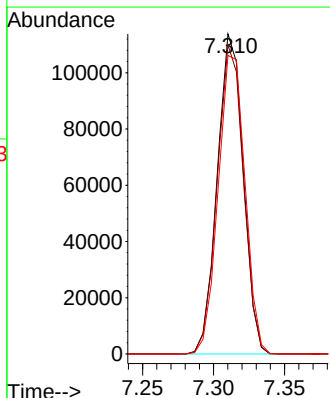
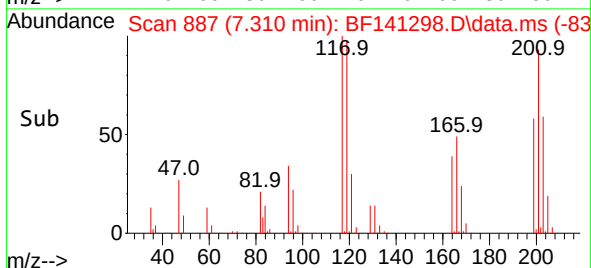
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

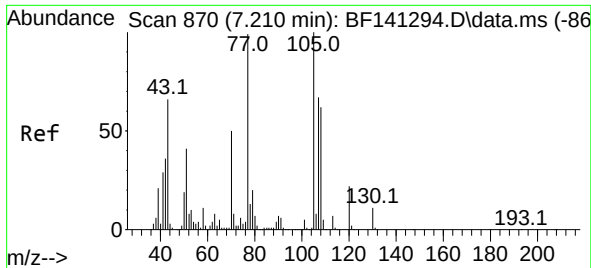


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





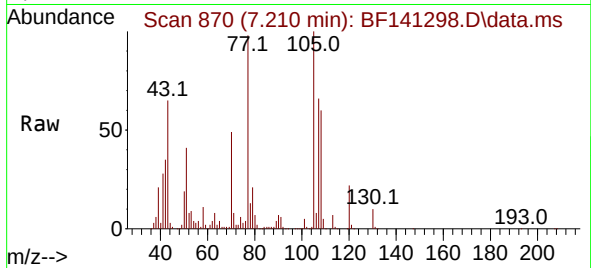
#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

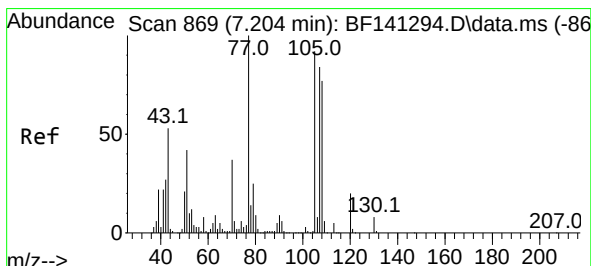
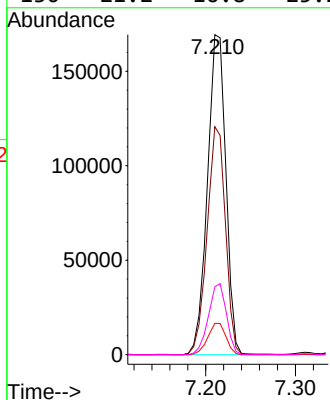
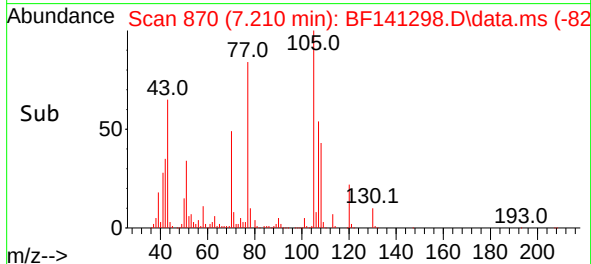
ICVBF012925



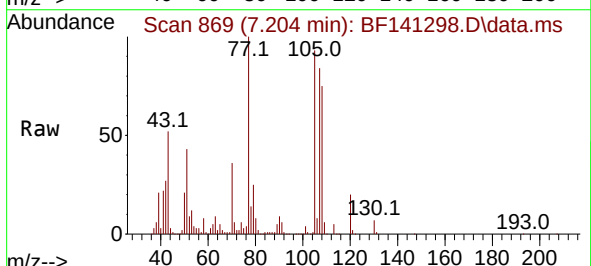
Tgt Ion: 70 Resp: 241878
Ion Ratio Lower Upper
70 100
42 71.3 56.8 85.2
101 9.8 7.7 11.5
130 21.2 16.8 25.2

Manual Integrations
APPROVED

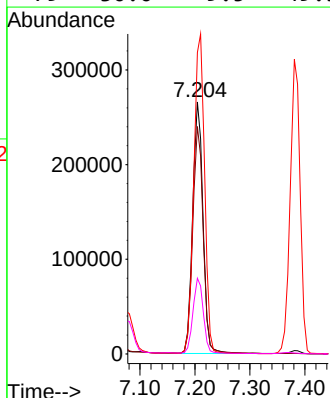
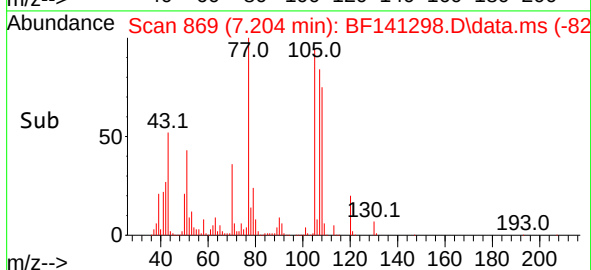
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

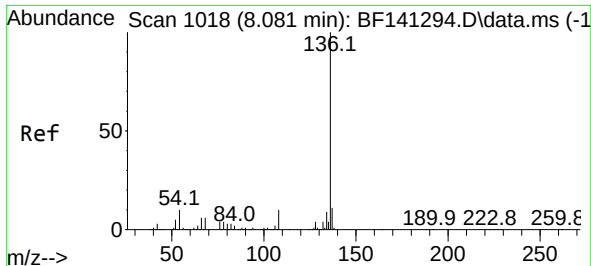


#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



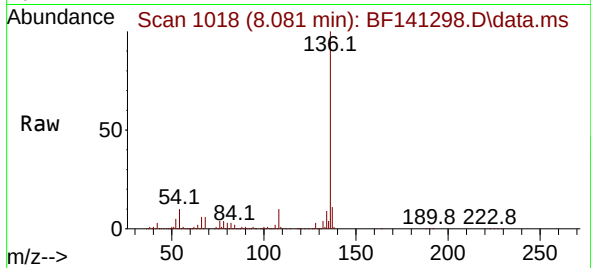
Tgt Ion:107 Resp: 347046
Ion Ratio Lower Upper
107 100
108 90.2 70.9 110.9
77 119.7 98.5 138.5
79 30.0 9.5 49.5





#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

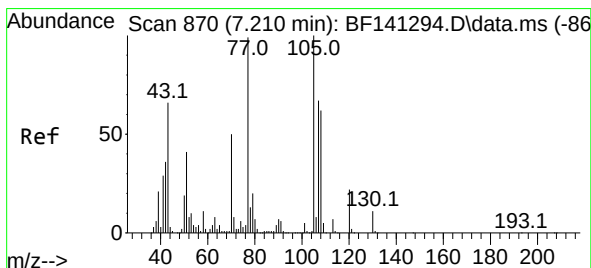
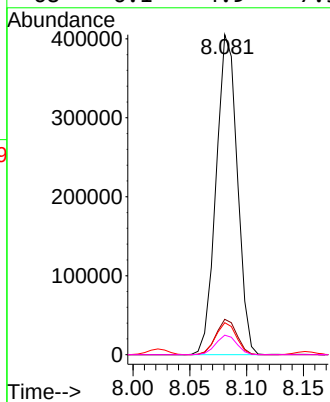
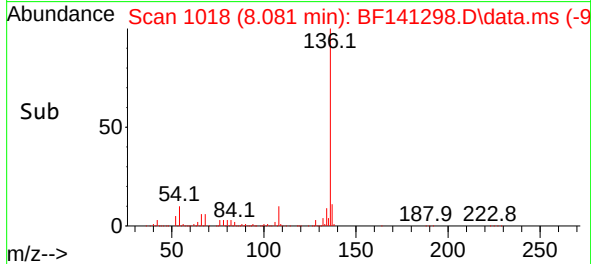
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



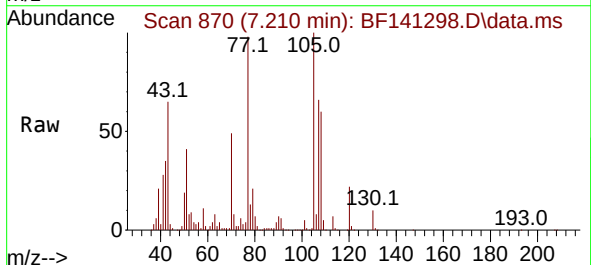
Tgt Ion:	136	Resp:	52564
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	10.0	7.8	11.8
68	6.1	4.9	7.3

Manual Integrations
APPROVED

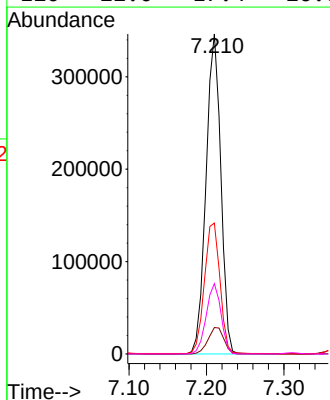
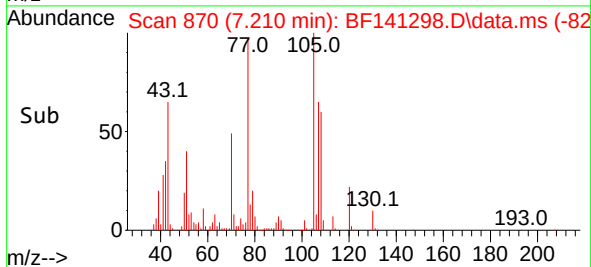
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

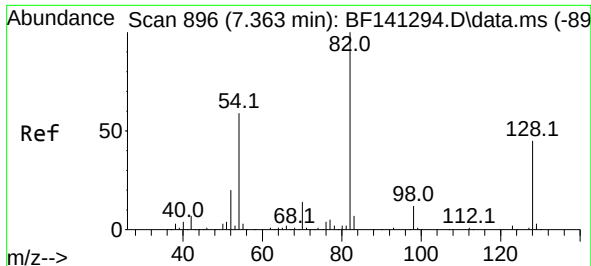


#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

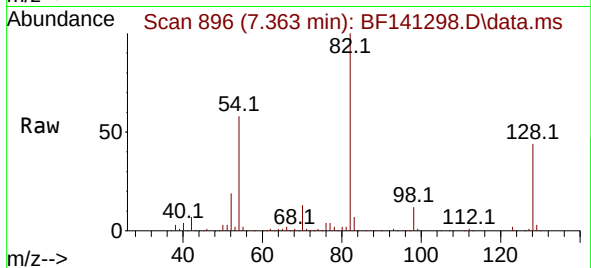
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

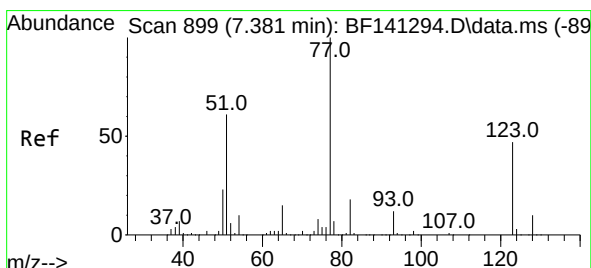
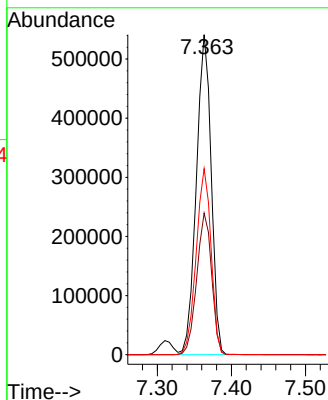
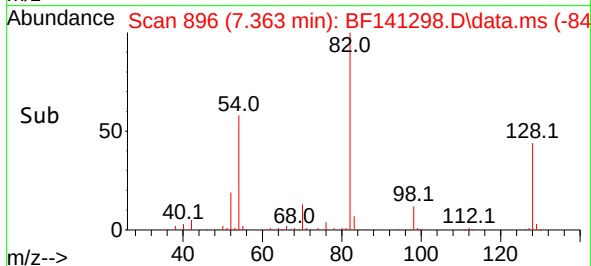


Tgt Ion: 82 Resp: 754118

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

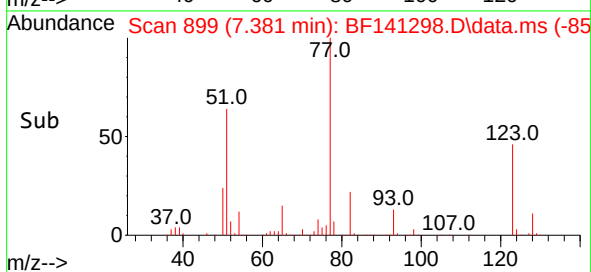
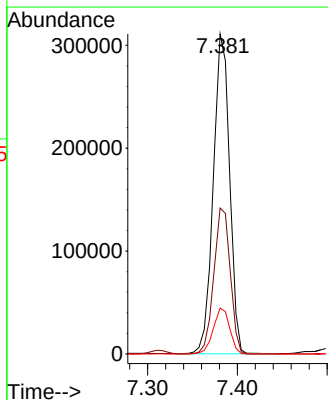
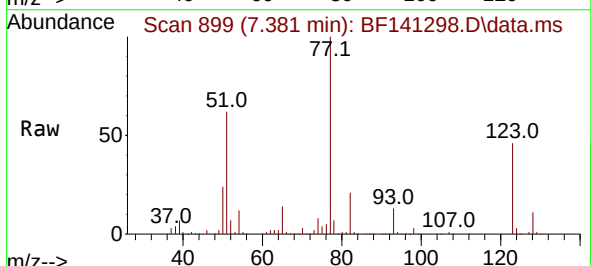
Delta R.T. -0.012 min

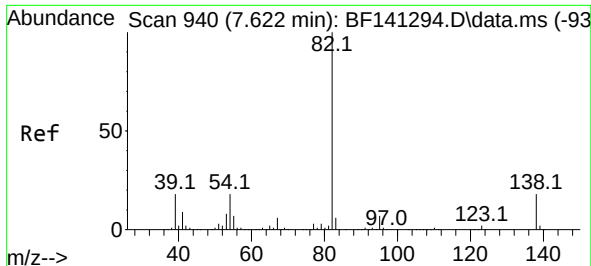
Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 391907

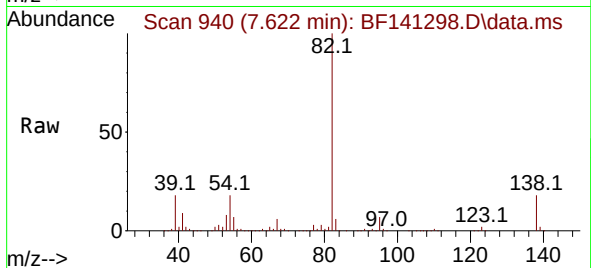
Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	14.4	11.8	17.6





#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

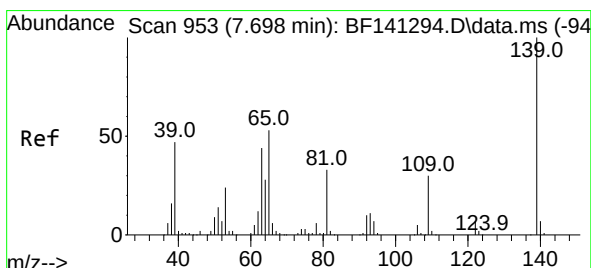
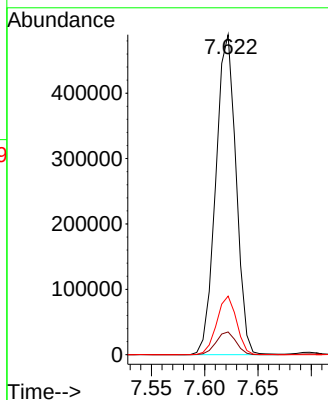
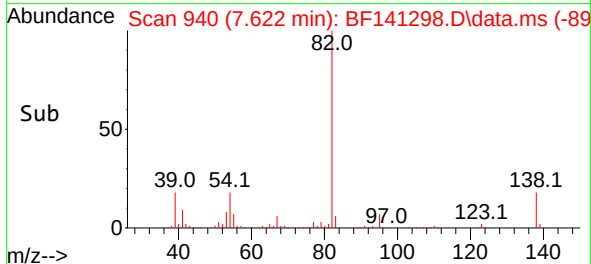
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



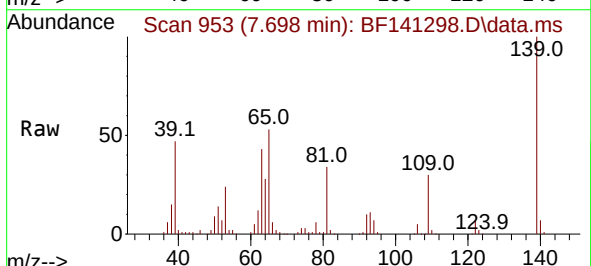
Tgt Ion: 82 Resp: 645309
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.3 14.7 22.1

Manual Integrations
APPROVED

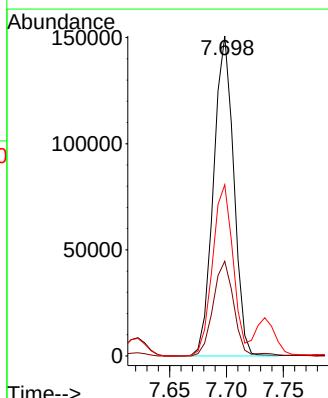
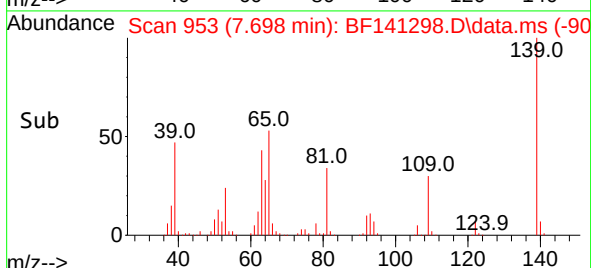
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

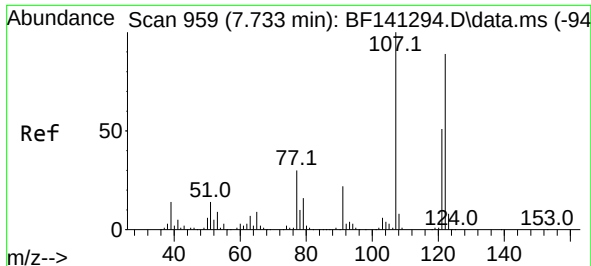


#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

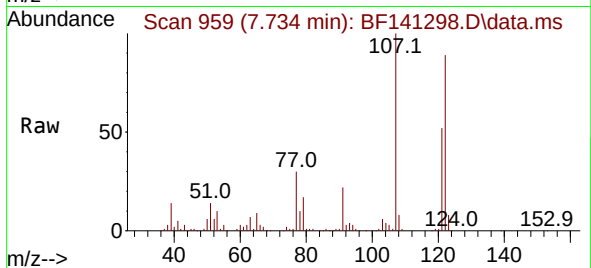
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:122 Resp: 236052

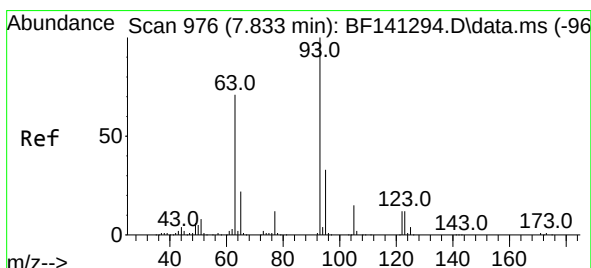
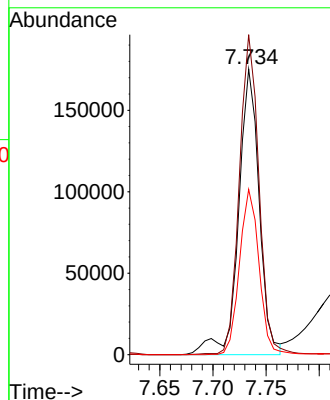
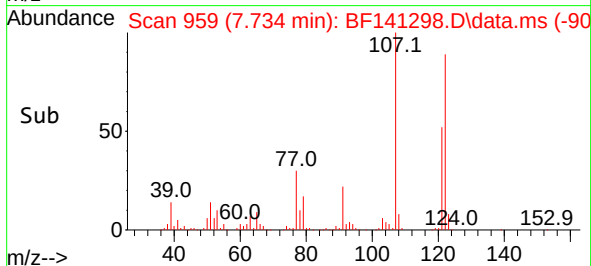
Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	57.9	46.1	69.1

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

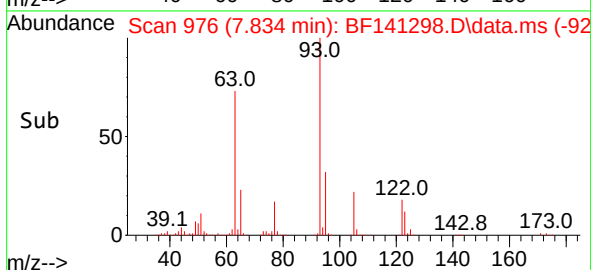
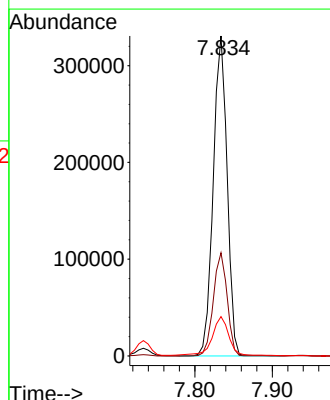
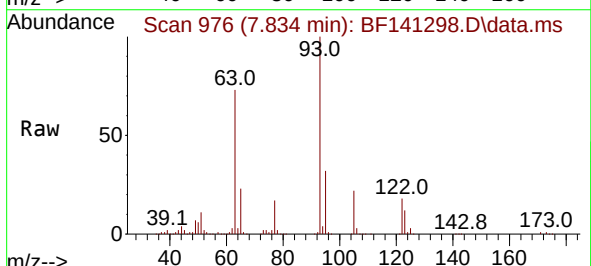
Delta R.T. -0.006 min

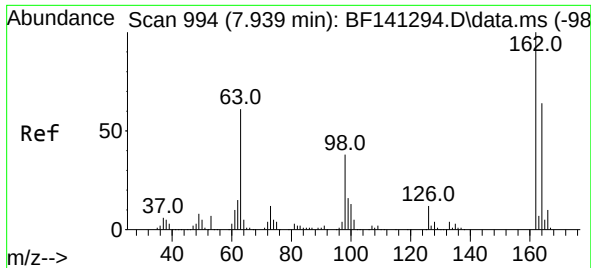
Lab File: BF141298.D

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

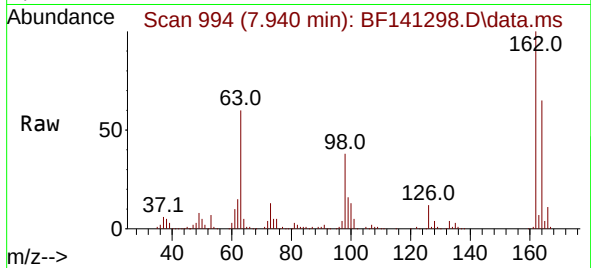
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

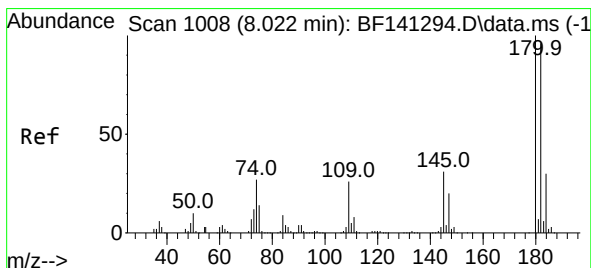
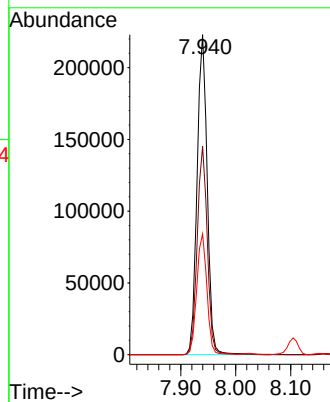
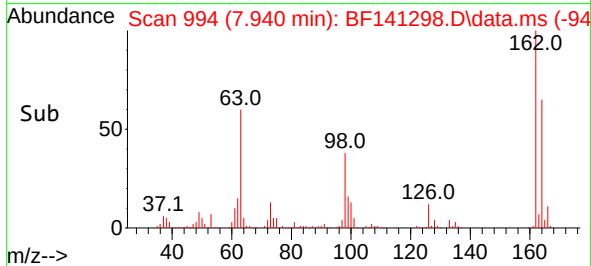


Tgt Ion:162	Resp: 28609
Ion Ratio	Lower Upper
162 100	
164 65.1	44.2 84.2
98 37.7	18.2 58.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 36.488 ng

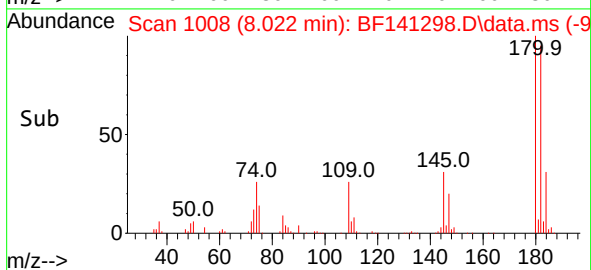
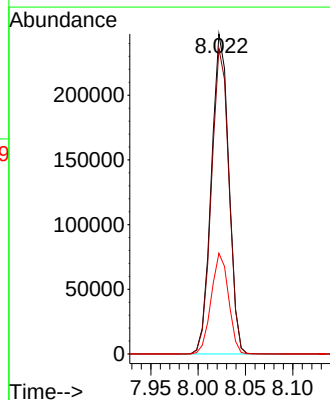
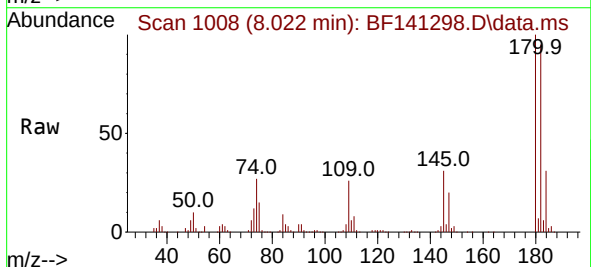
RT: 8.022 min Scan# 1008

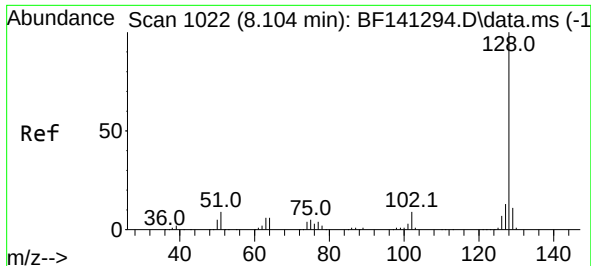
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

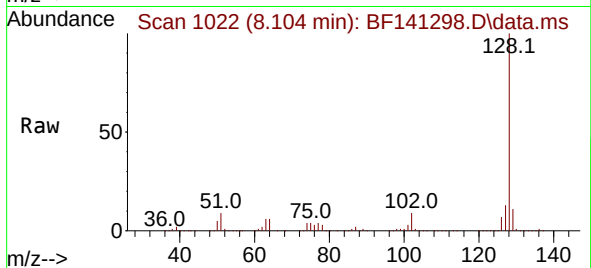
Tgt Ion:180	Resp: 316431
Ion Ratio	Lower Upper
180 100	
182 95.4	76.4 114.6
145 31.4	24.9 37.3





#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

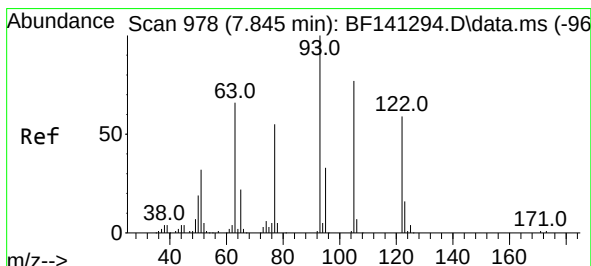
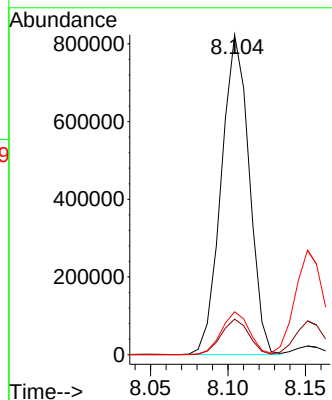
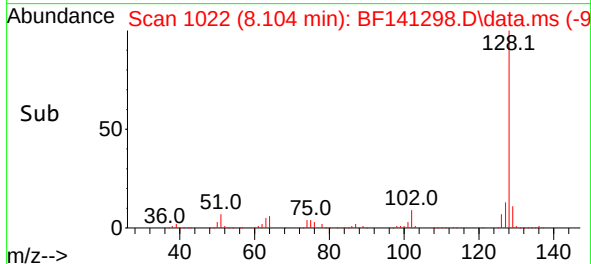
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



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

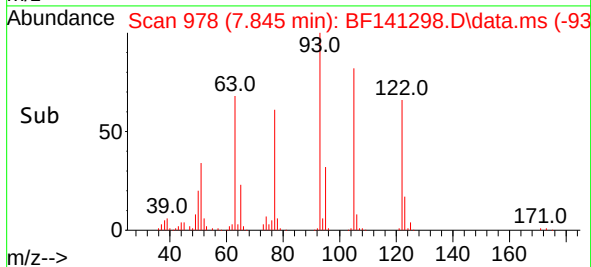
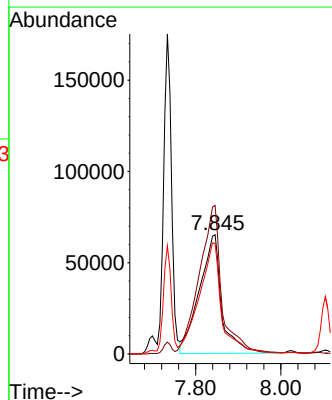
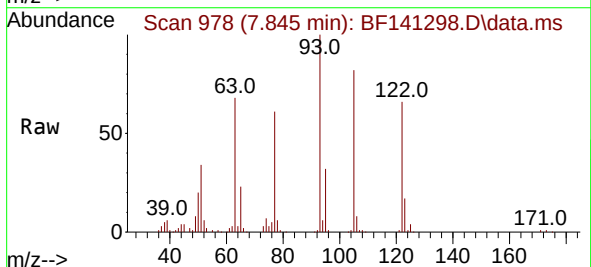
Manual Integrations
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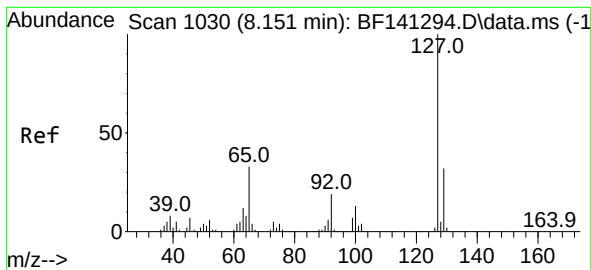
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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

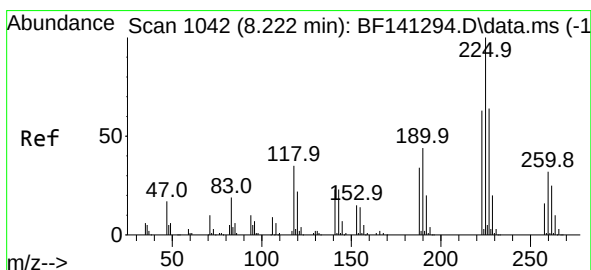
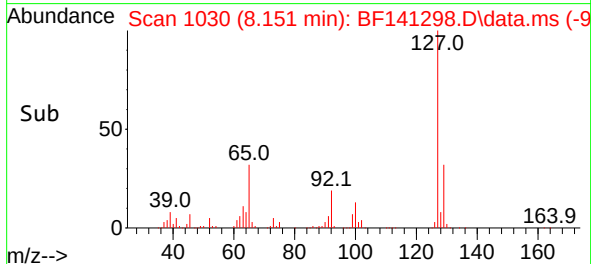
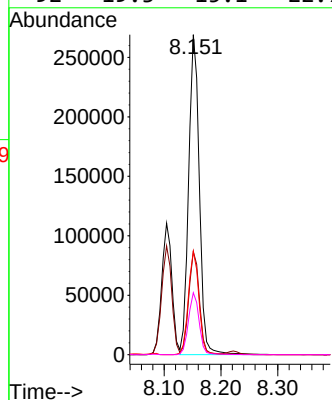
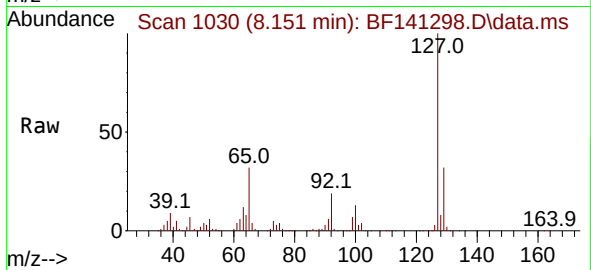
ClientSampleId :

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

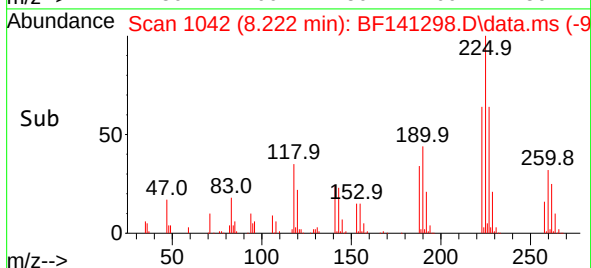
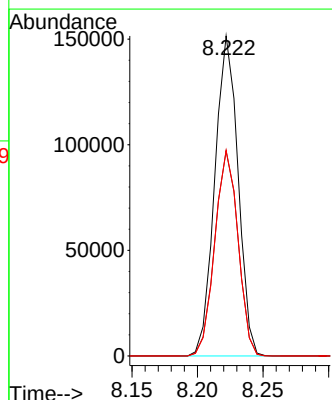
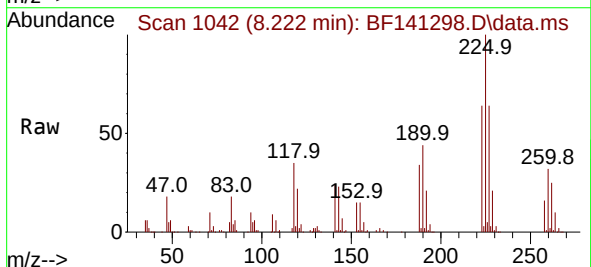
Manual Integrations
APPROVED

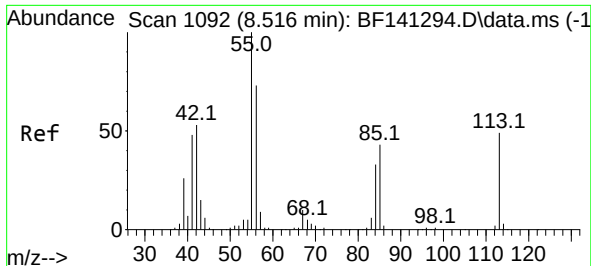
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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





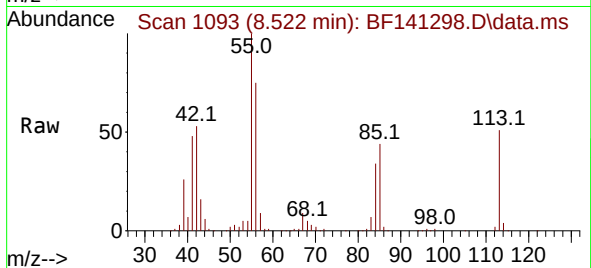
#35
 Caprolactam
 Concen: 37.662 ng
 RT: 8.522 min Scan# 1093
 Delta R.T. -0.024 min
 Lab File: BF141298.D
 Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

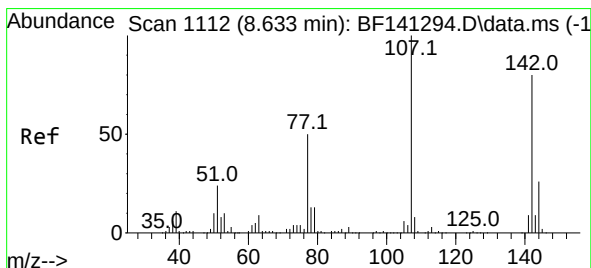
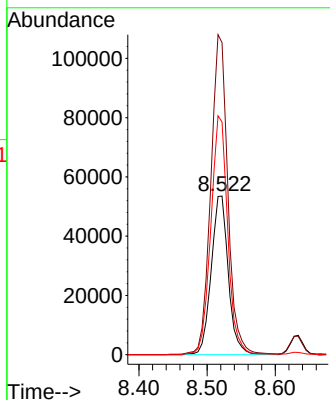
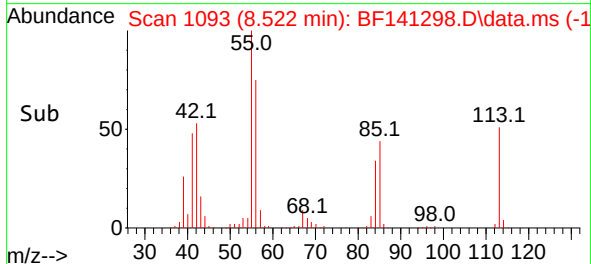
ICVBF012925



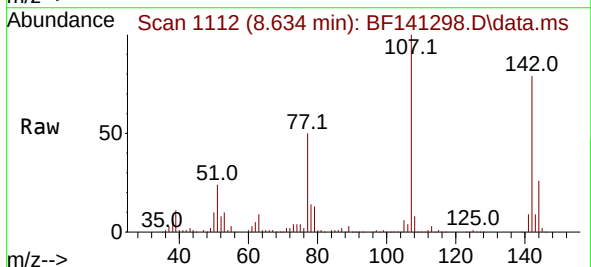
Tgt Ion:113 Resp: 9340
 Ion Ratio Lower Upper
 113 100
 55 196.8 182.9 222.9
 56 146.7 127.9 167.9

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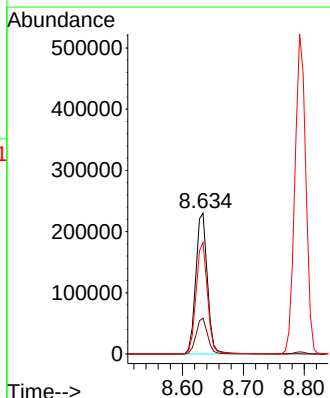
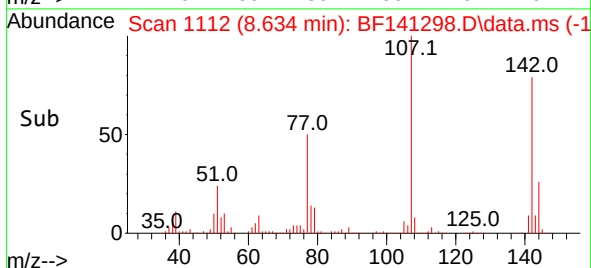
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

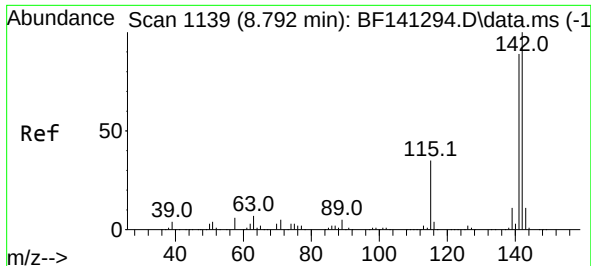


#36
 4-Chloro-3-methylphenol
 Concen: 37.480 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141298.D
 Acq: 29 Jan 2025 17:31



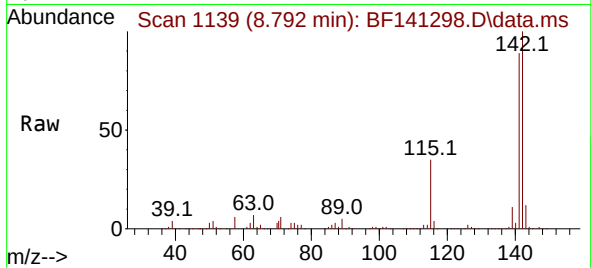
Tgt Ion:107 Resp: 305288
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.7 31.1
 142 79.1 63.8 95.8





#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

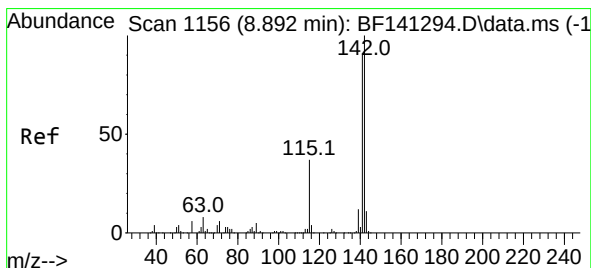
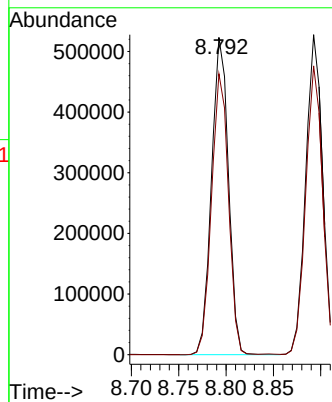
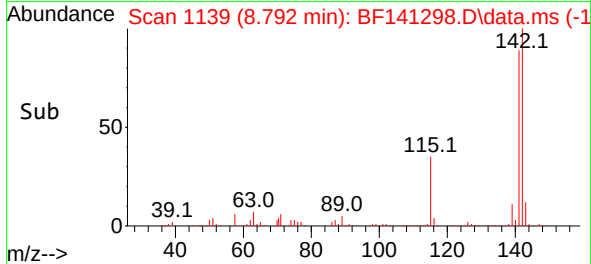
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



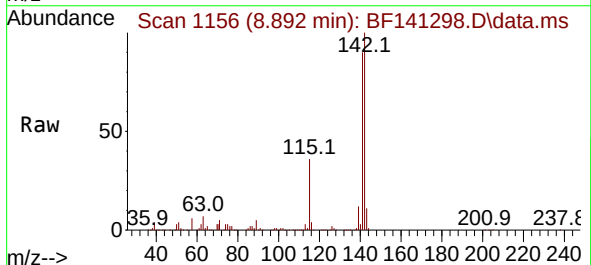
Tgt Ion:142 Resp: 65122
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

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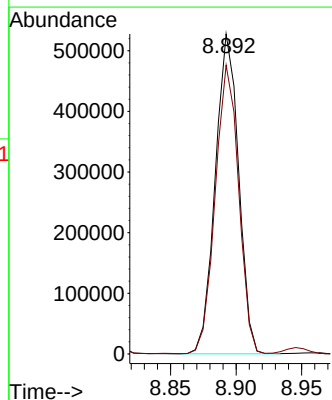
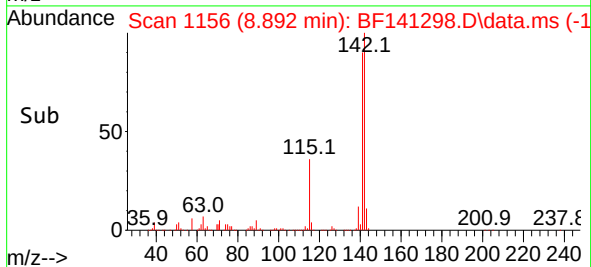
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

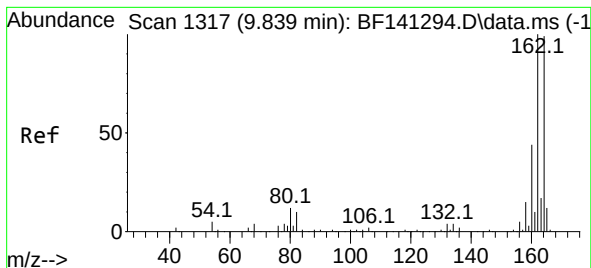


#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

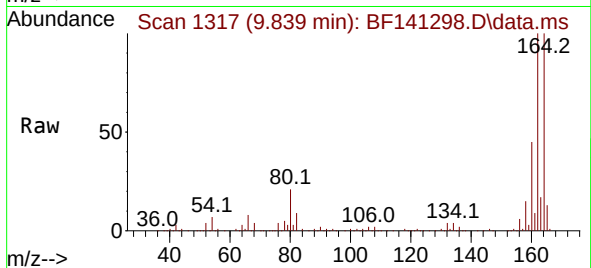
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:164 Resp: 279764

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

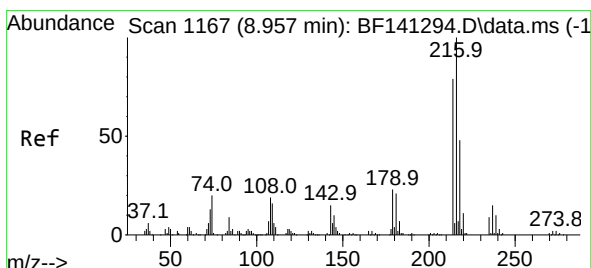
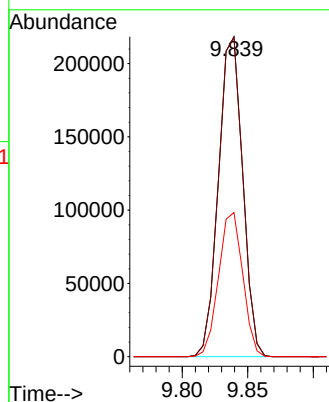
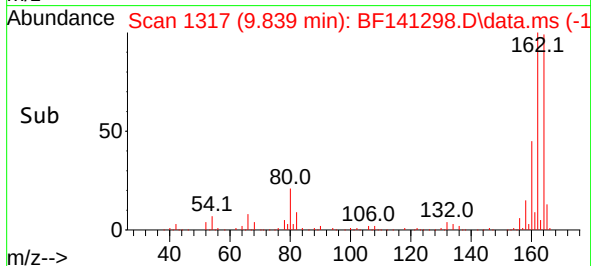
160 45.1 35.8 53.6

Manual Integrations

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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

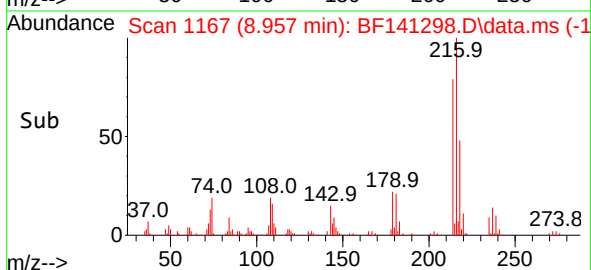
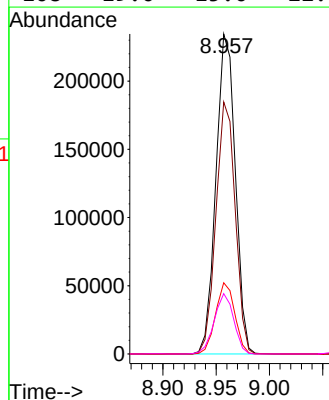
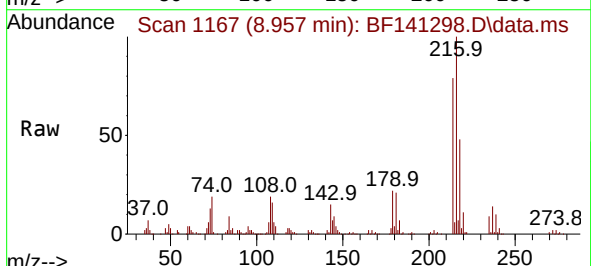
Ion Ratio Lower Upper

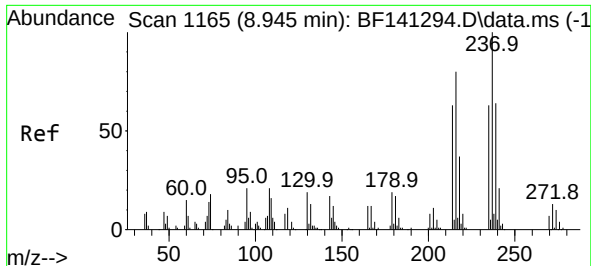
216 100

214 78.4 63.2 94.8

179 22.0 17.8 26.8

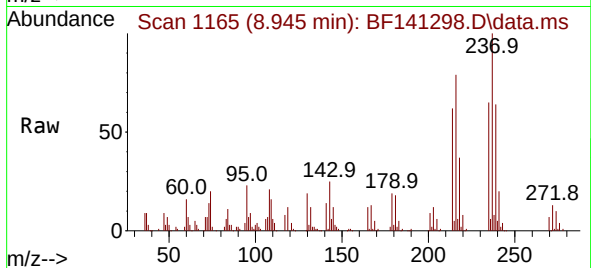
108 19.0 15.0 22.6





#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

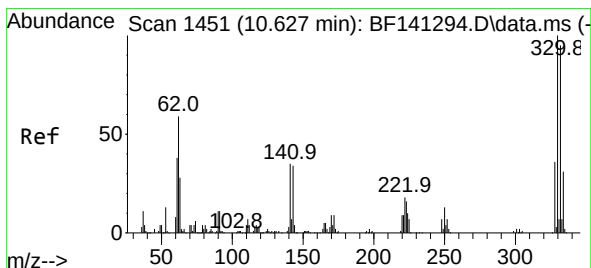
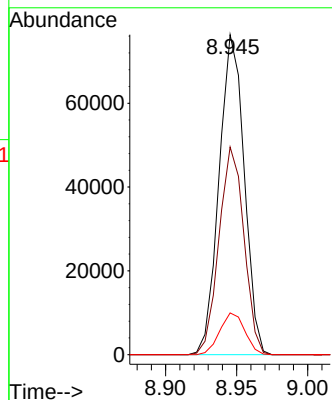
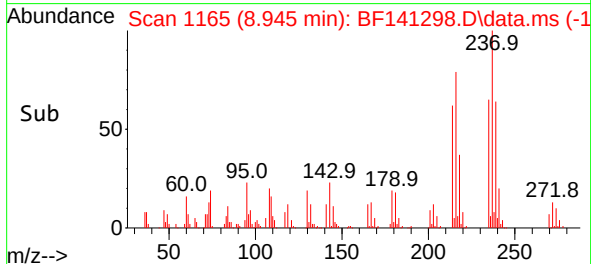
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



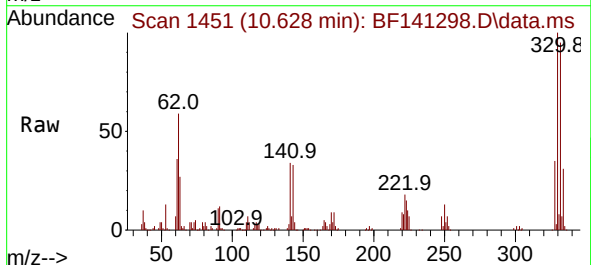
Tgt Ion: 237 Resp: 93930
Ion Ratio Lower Upper
237 100
235 64.9 42.9 82.9
272 13.1 0.0 32.8

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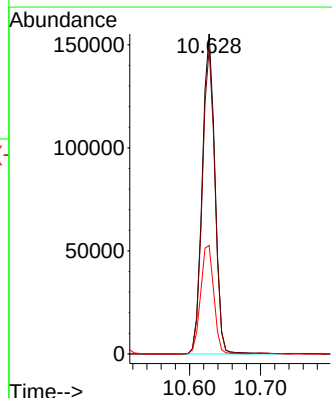
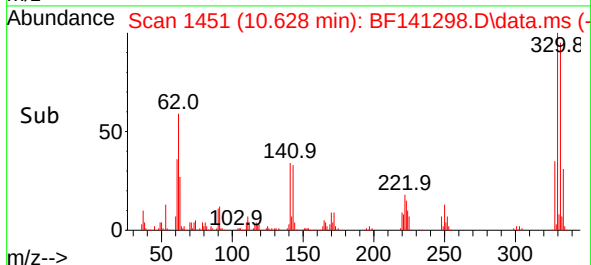
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

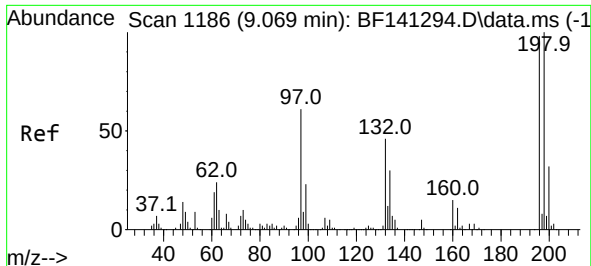


#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





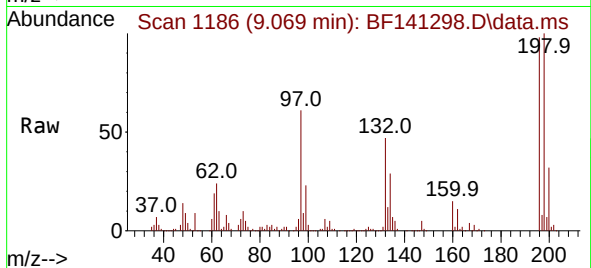
#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



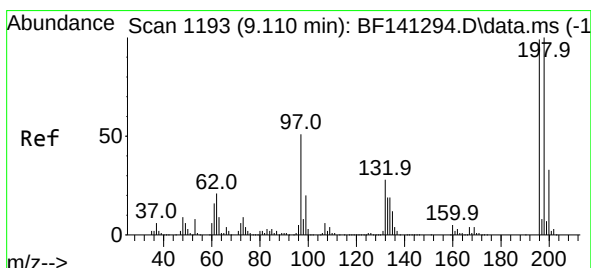
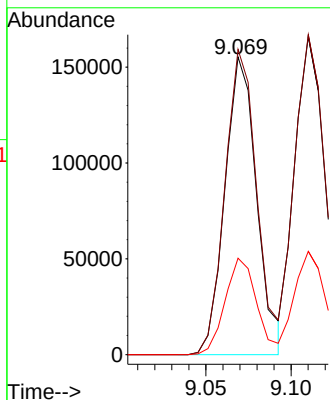
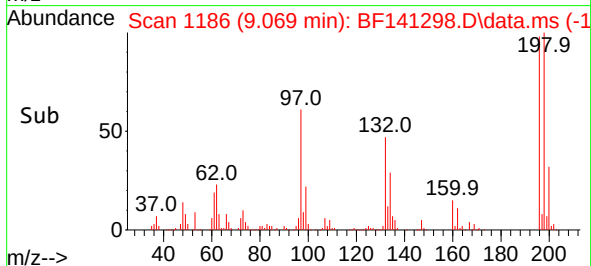
Tgt Ion:196 Resp: 201214
Ion Ratio Lower Upper
196 100
198 102.5 81.8 122.6
200 32.4 26.3 39.5

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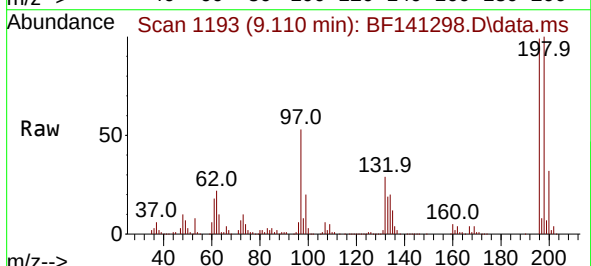
APPROVED

Reviewed By :Yogesh Patel 01/30/2025

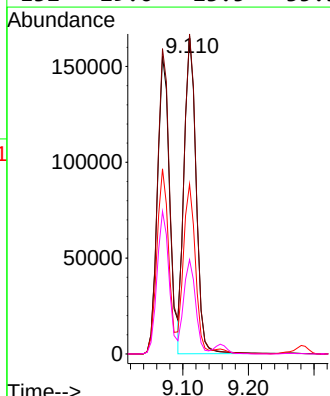
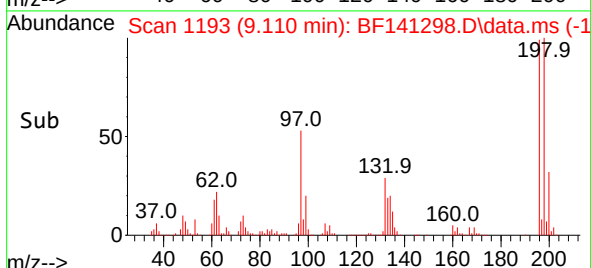
Supervised By :mohammad ahmed 02/04/2025

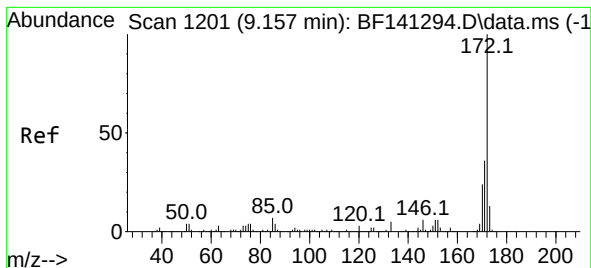


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



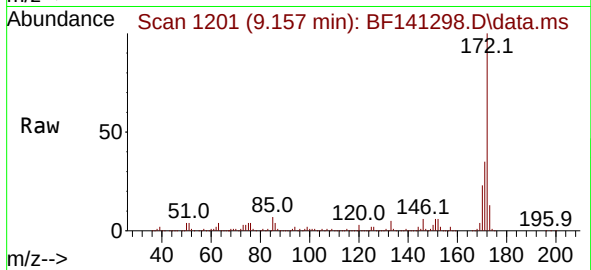
Tgt Ion:196 Resp: 209611
Ion Ratio Lower Upper
196 100
198 100.6 80.5 120.7
97 53.3 42.8 64.2
132 29.6 23.5 35.3





#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

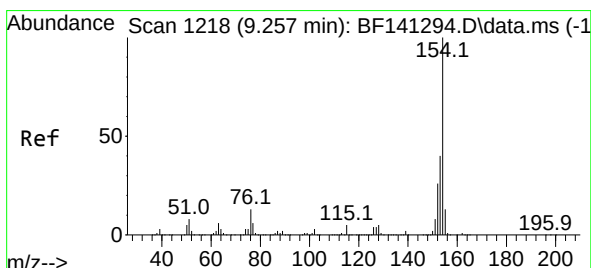
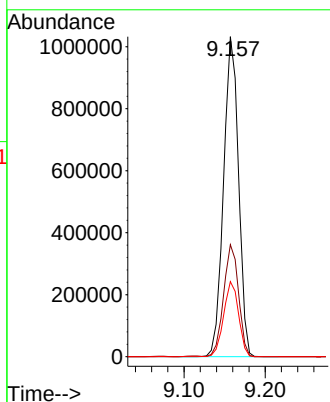
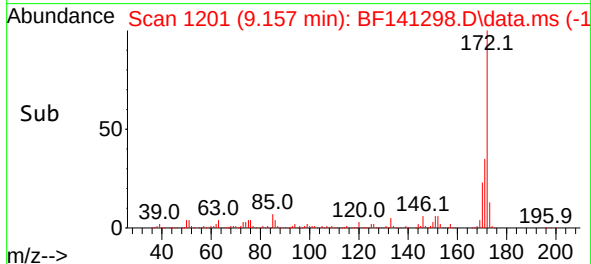
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



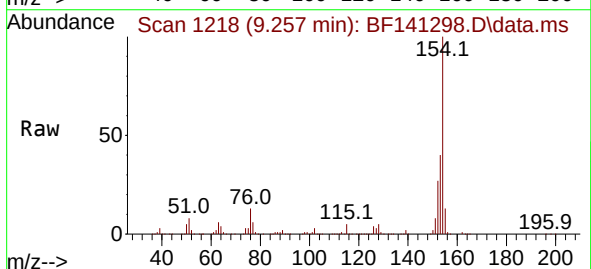
Tgt Ion:172 Resp: 132572
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.4 19.0 28.6

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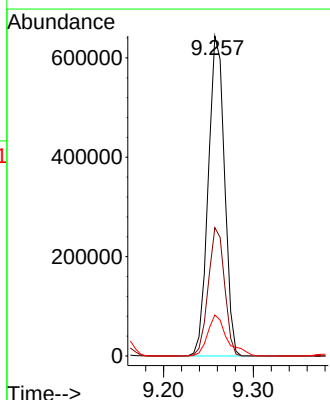
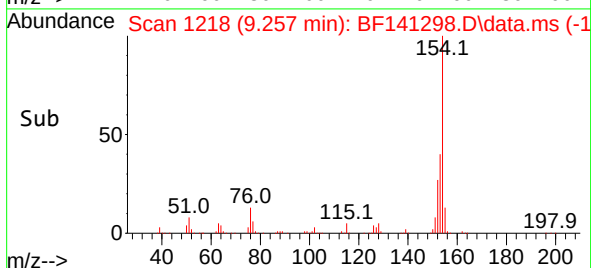
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

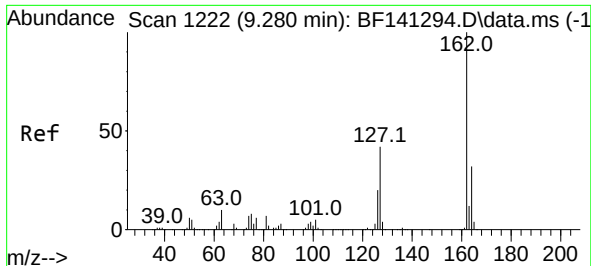


#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

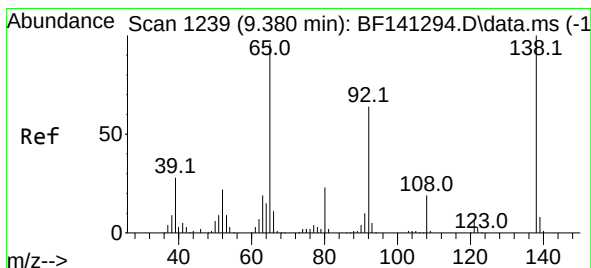
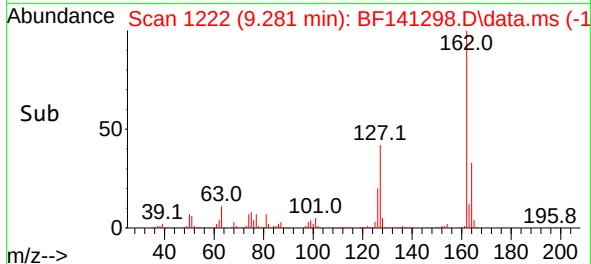
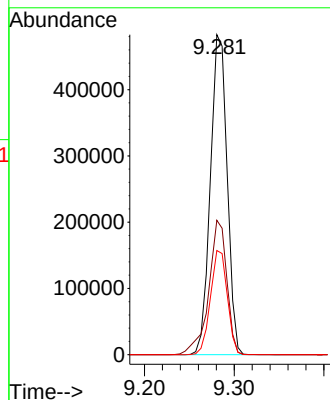
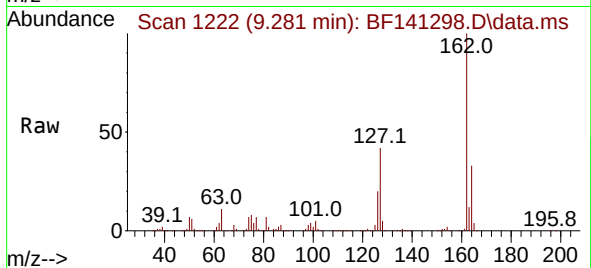
ClientSampleId :

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
 APPROVED

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



#48

2-Nitroaniline

Concen: 37.970 ng

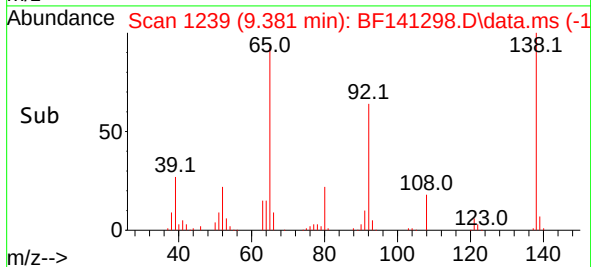
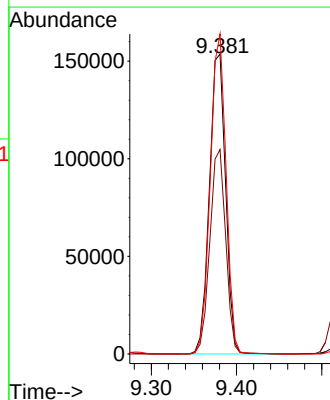
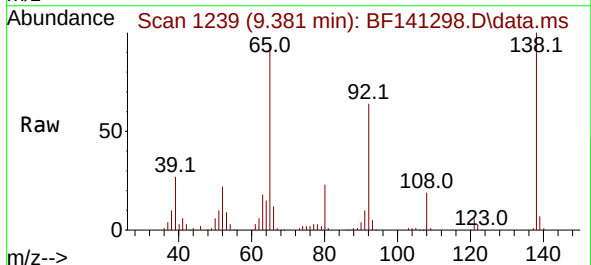
RT: 9.381 min Scan# 1239

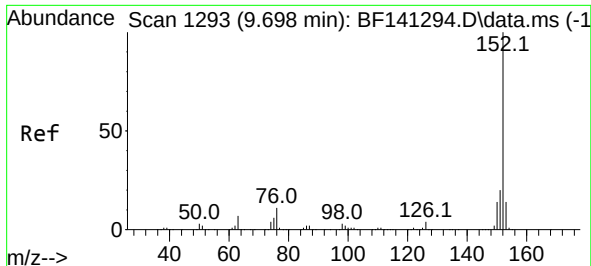
Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

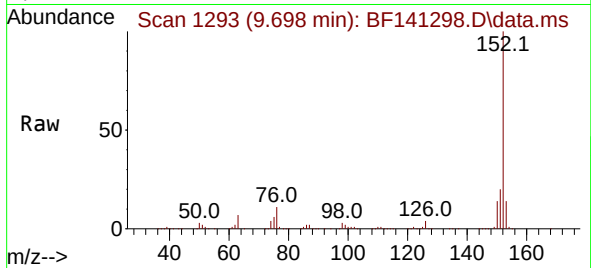
Tgt Ion: 65 Resp: 203104
 Ion Ratio Lower Upper
 65 100
 92 68.1 53.3 79.9
 138 106.7 83.6 125.4





#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

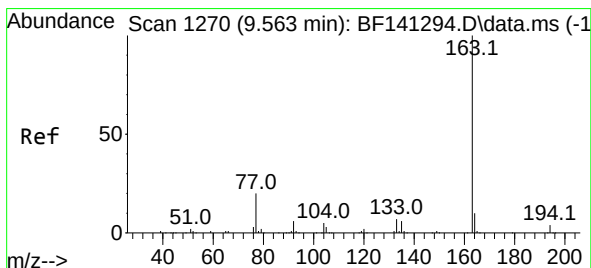
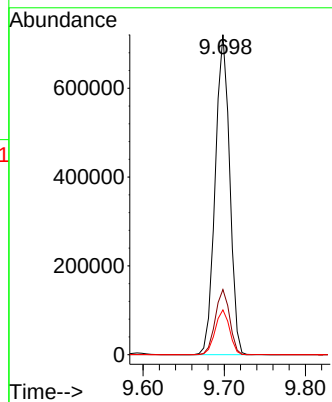
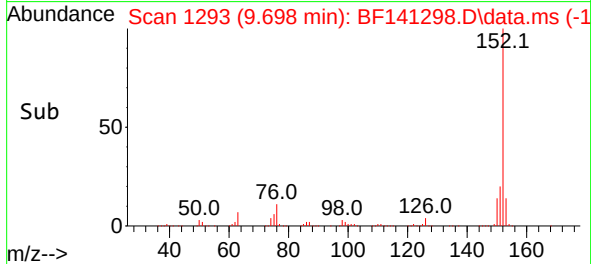
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



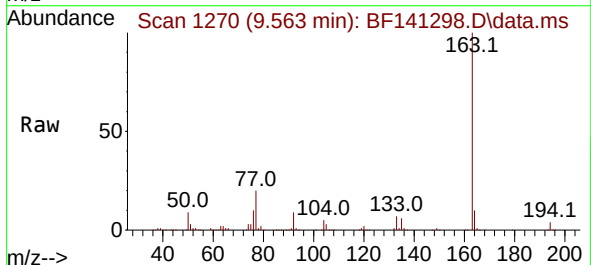
Tgt Ion:152 Resp: 890709
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.0 11.0 16.6

Manual Integrations
APPROVED

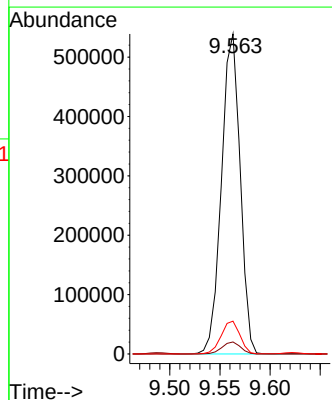
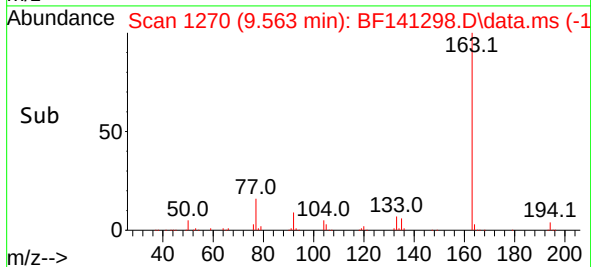
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

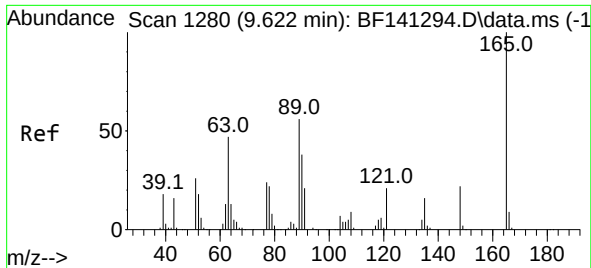


#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



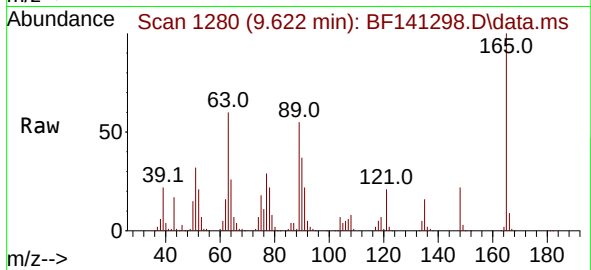
Tgt Ion:163 Resp: 697300
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.0 12.0





#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

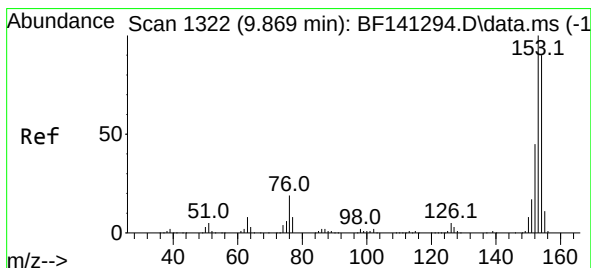
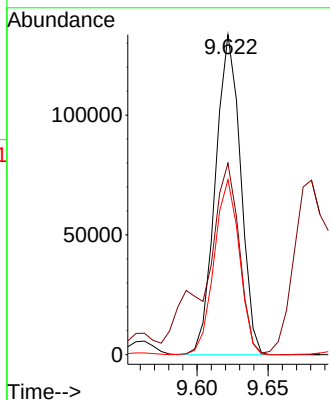
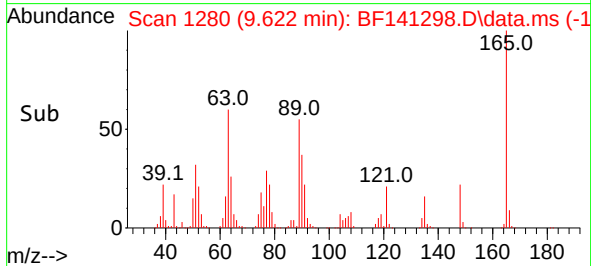
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



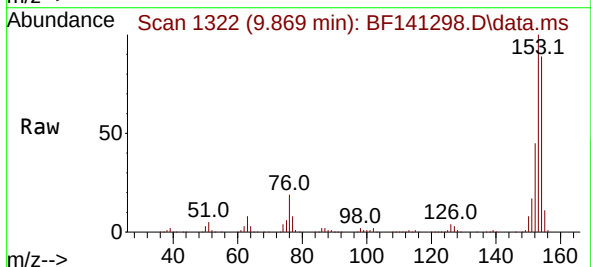
Tgt Ion:165 Resp: 16434
Ion Ratio Lower Upper
165 100
63 59.9 48.1 72.1
89 54.7 44.9 67.3

Manual Integrations
APPROVED

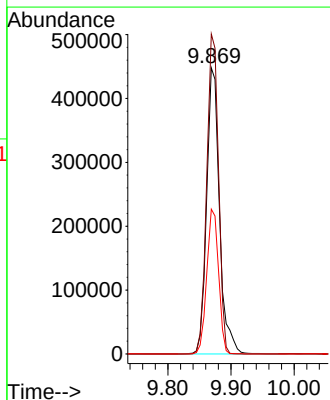
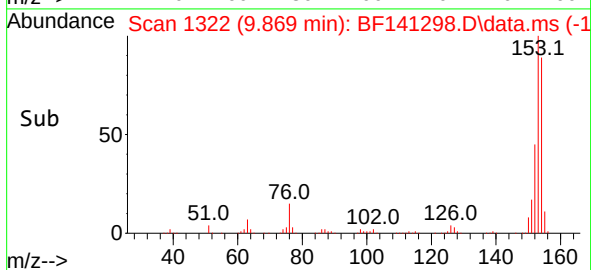
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

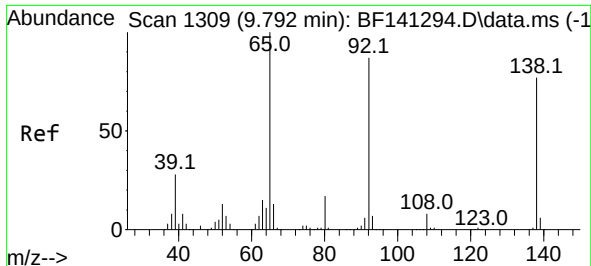


#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



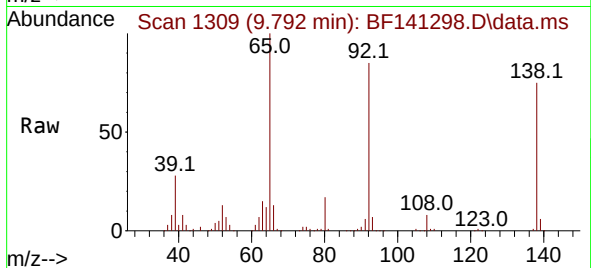
Tgt Ion:154 Resp: 632756
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.6 40.2 60.4





#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

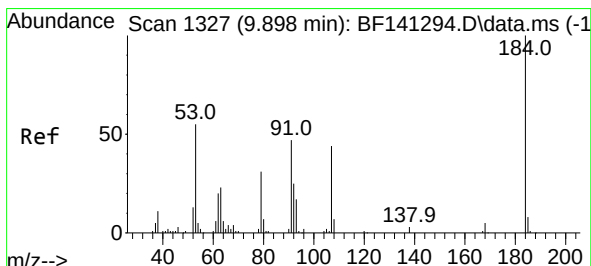
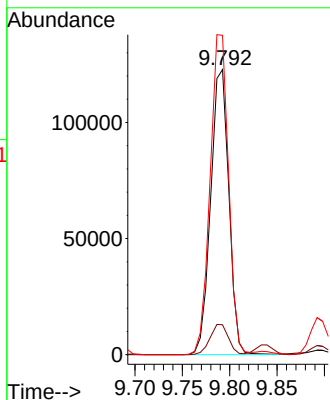
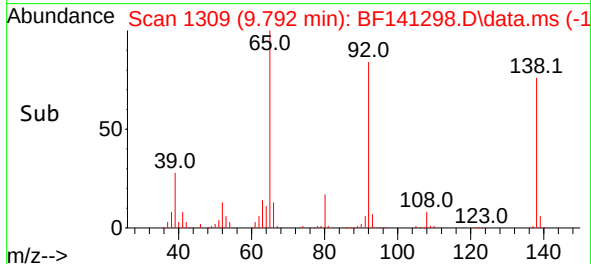
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



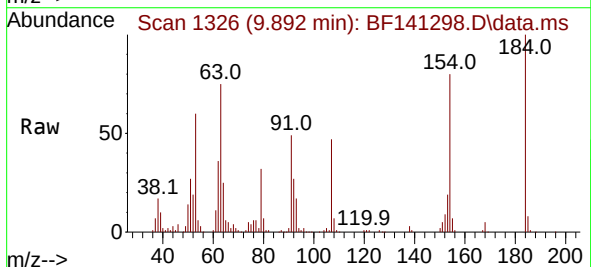
Tgt Ion:138 Resp: 16404
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 112.1 91.0 136.6

Manual Integrations
APPROVED

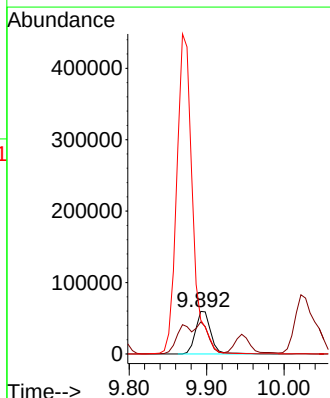
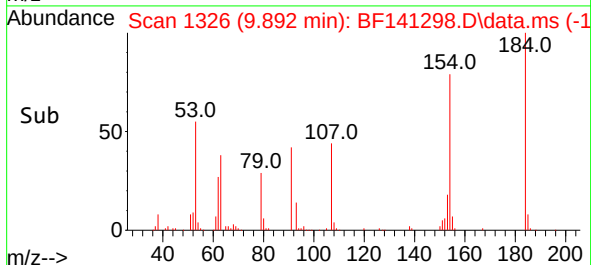
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

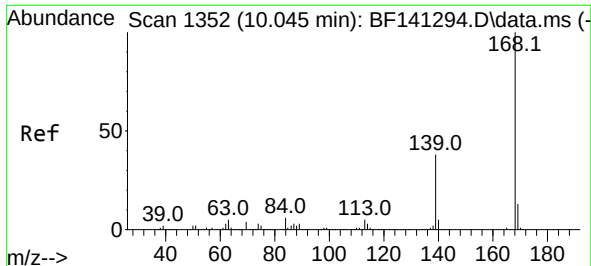


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



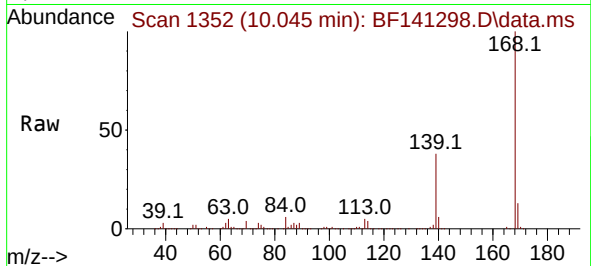
Tgt Ion:184 Resp: 81034
Ion Ratio Lower Upper
184 100
63 75.3 54.1 81.1
154 79.6 50.7 76.1#





#55
Dibenzofuran
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

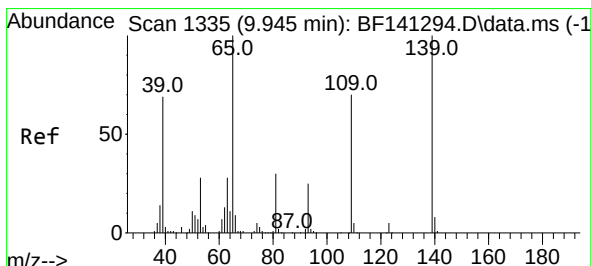
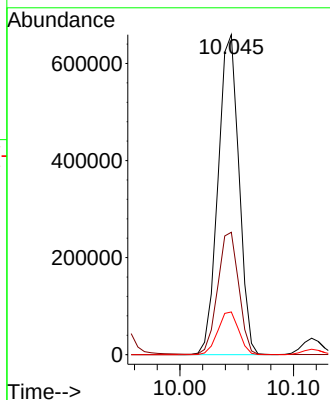
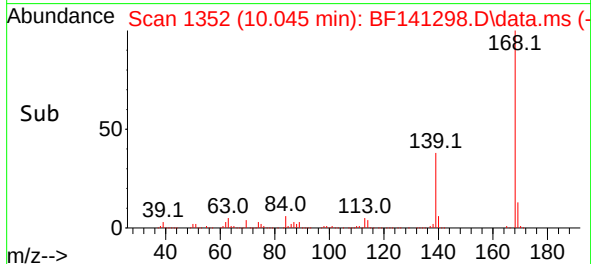
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



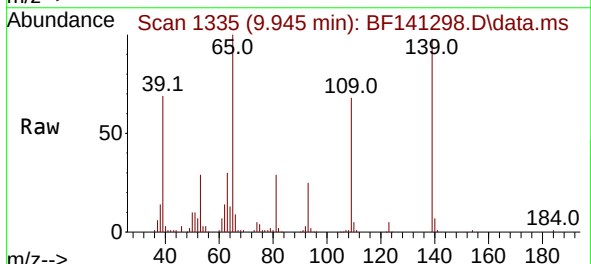
Tgt Ion:168 Resp: 84255
Ion Ratio Lower Upper
168 100
139 38.2 30.6 46.0
169 13.4 10.8 16.2

Manual Integrations
APPROVED

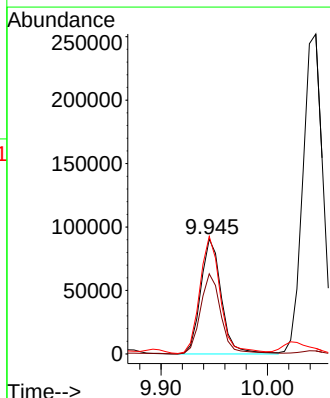
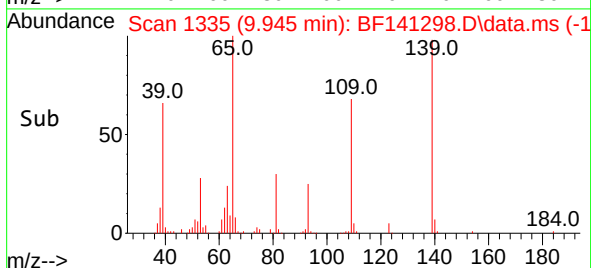
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

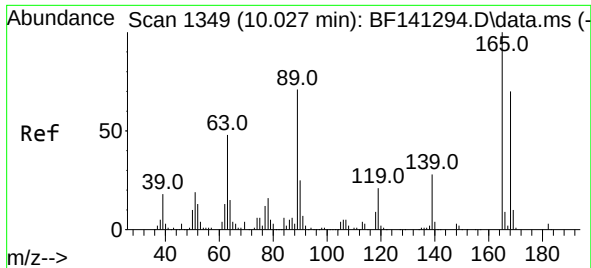


#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





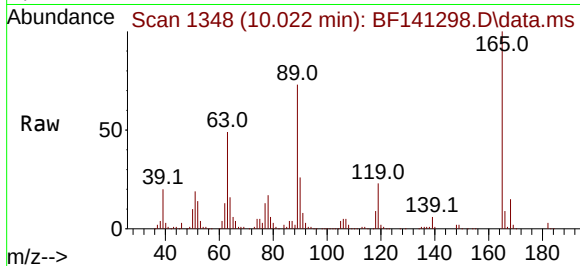
#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

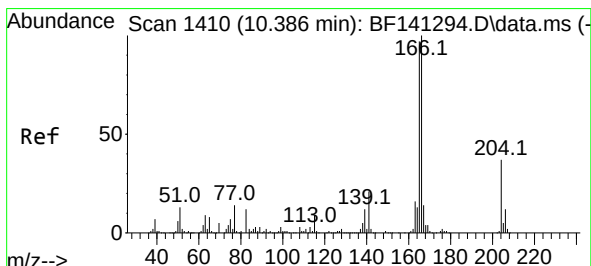
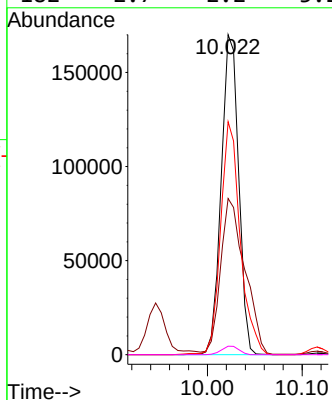
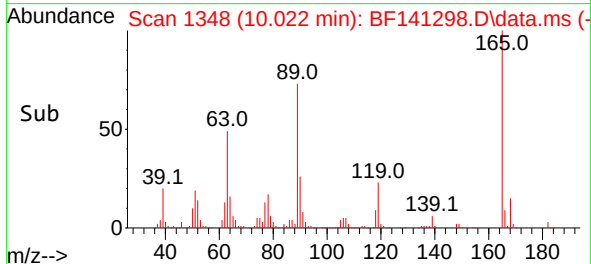
ICVBF012925



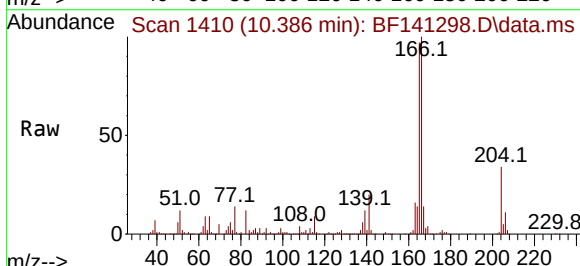
Tgt Ion:165 Resp: 21770
Ion Ratio Lower Upper
165 100
63 48.8 39.2 58.8
89 72.8 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

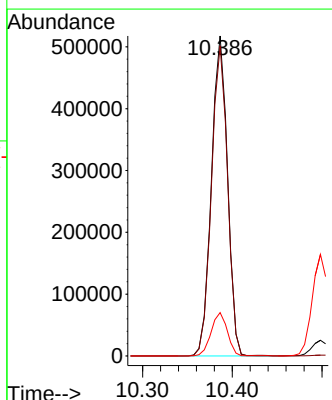
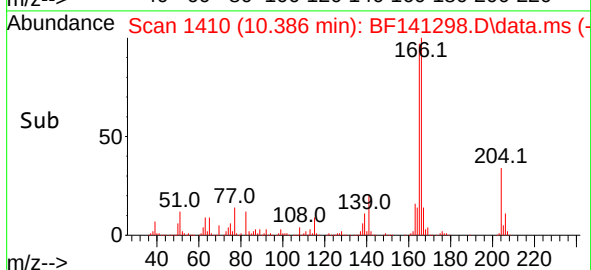
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

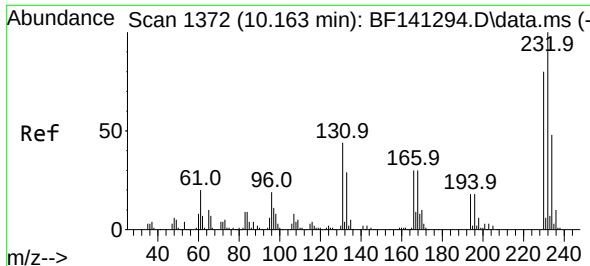


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



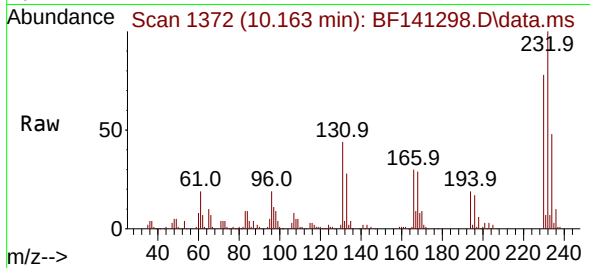
Tgt Ion:166 Resp: 643639
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#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

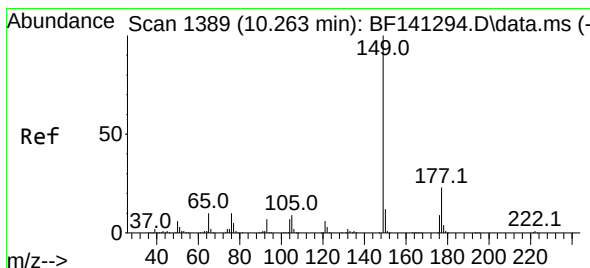
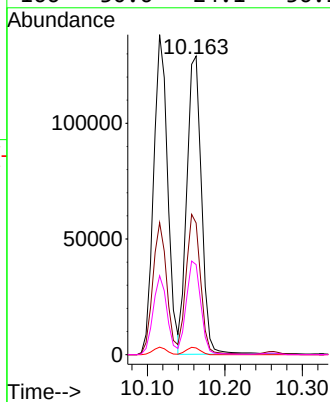
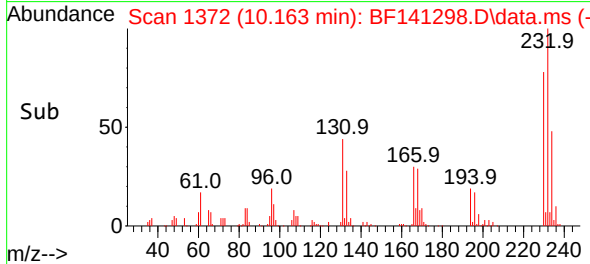
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



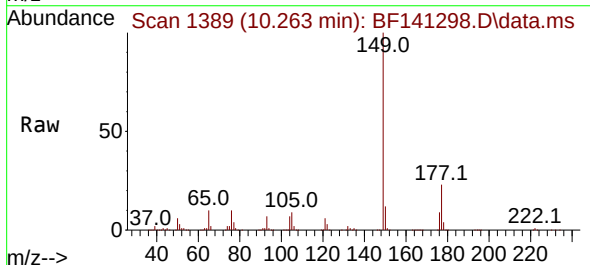
Tgt Ion:232 Resp: 16906
Ion Ratio Lower Upper
232 100
131 46.5 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

Manual Integrations
APPROVED

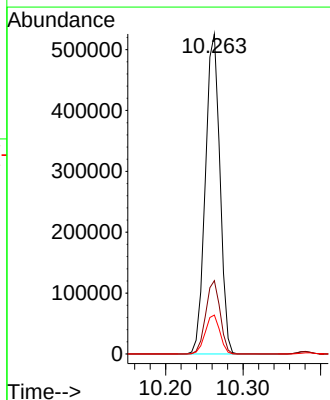
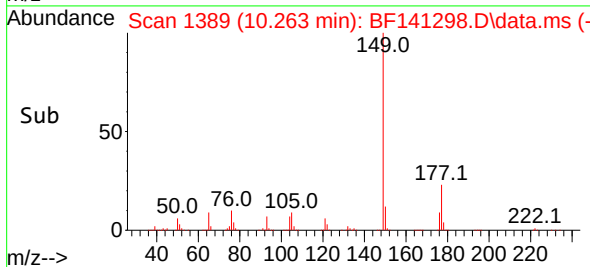
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

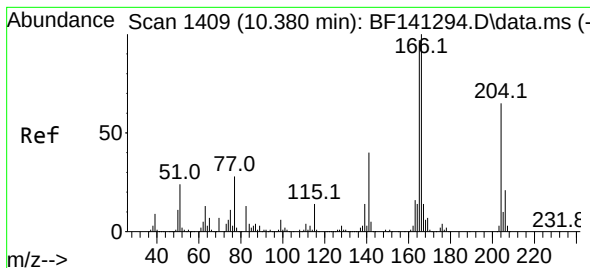


#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





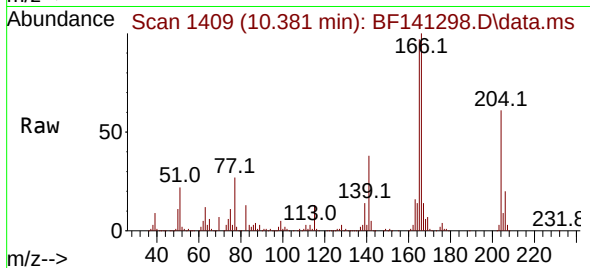
#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

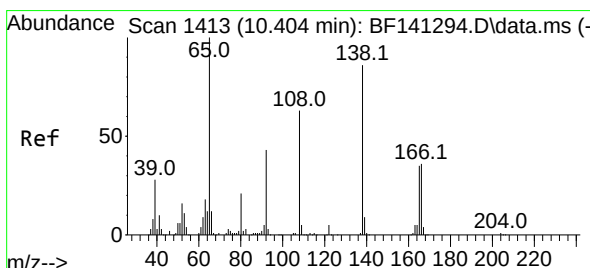
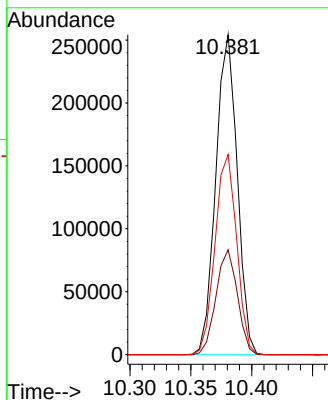
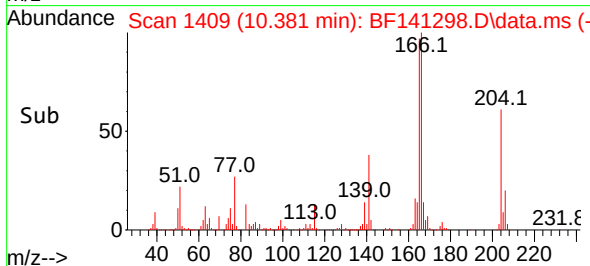
ICVBF012925



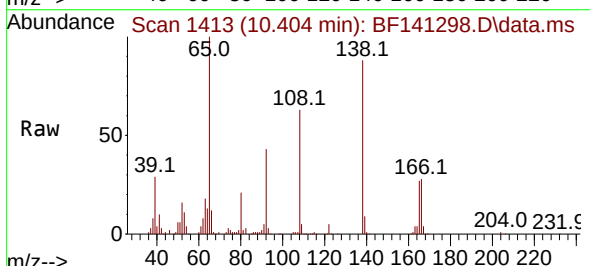
Tgt Ion:204 Resp: 31206
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 62.6 49.5 74.3

Manual Integrations
APPROVED

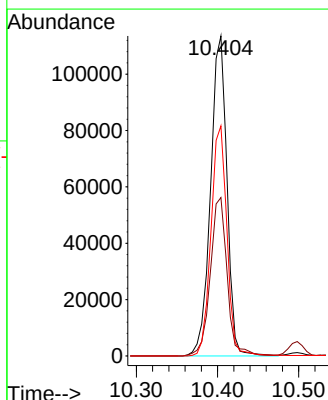
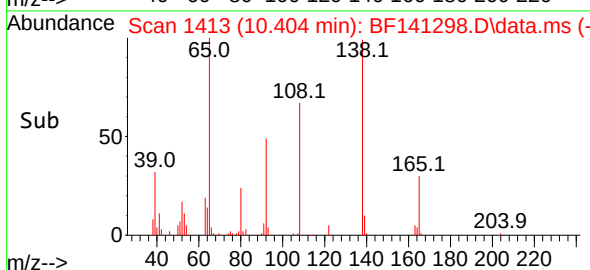
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

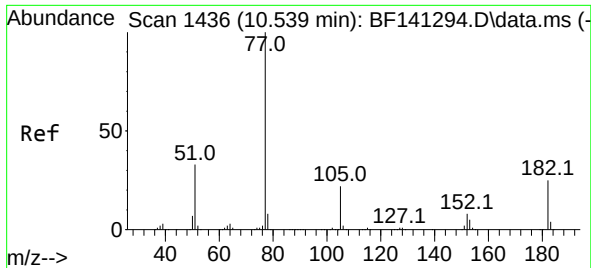


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



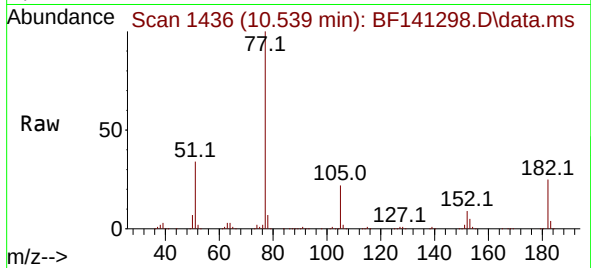
Tgt Ion:138 Resp: 159227
Ion Ratio Lower Upper
138 100
92 49.5 30.1 70.1
108 71.9 53.1 93.1





#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

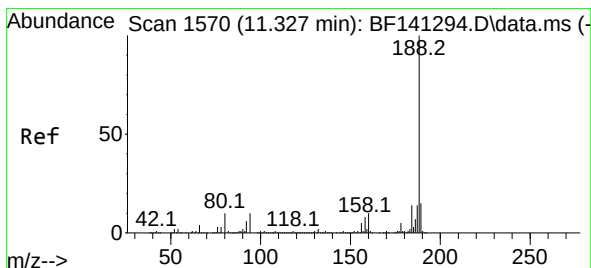
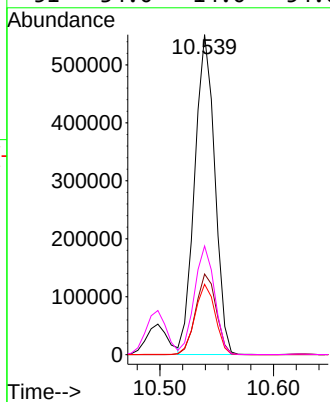
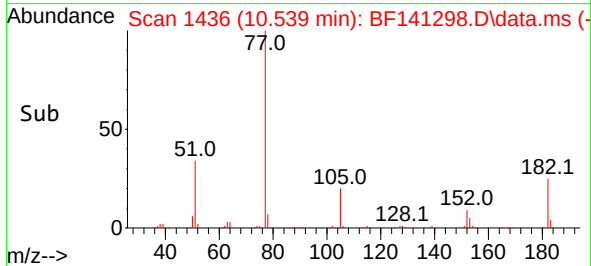
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



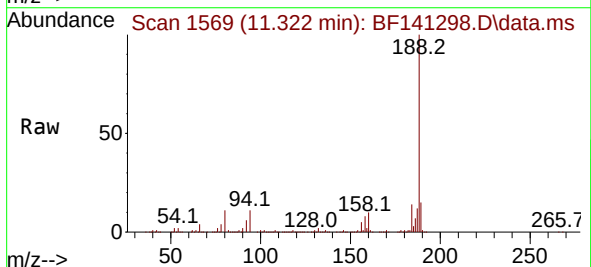
Tgt Ion: 77 Resp: 67890
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.0 1.8 41.8
51 34.0 14.0 54.0

Manual Integrations
APPROVED

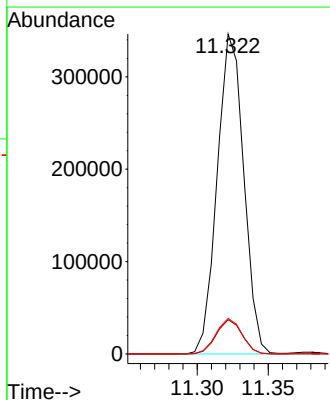
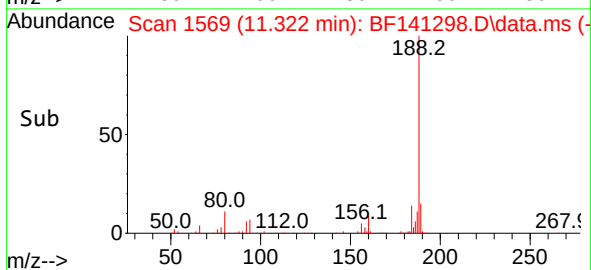
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

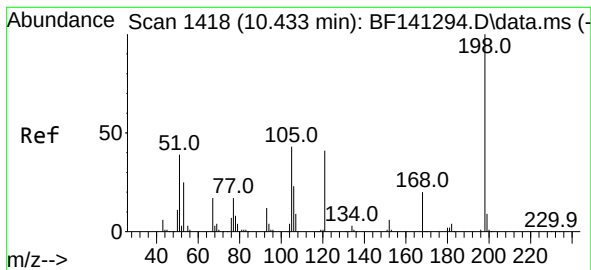


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



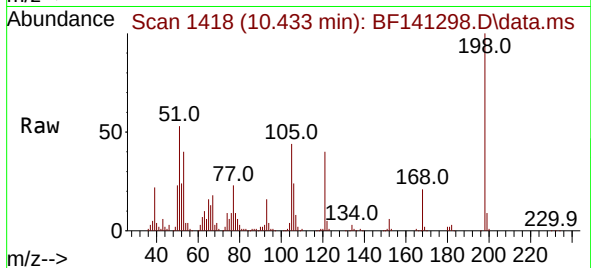
Tgt Ion:188 Resp: 450291
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.1 8.2 12.4





#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

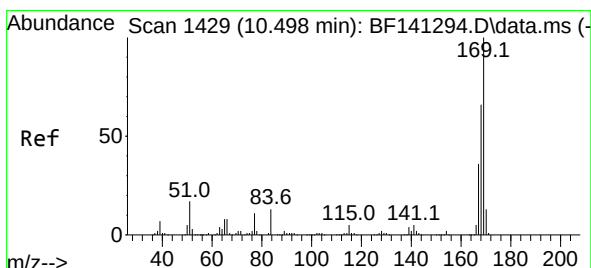
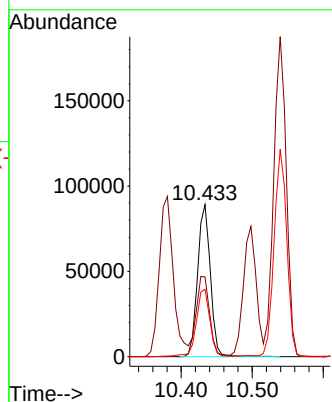
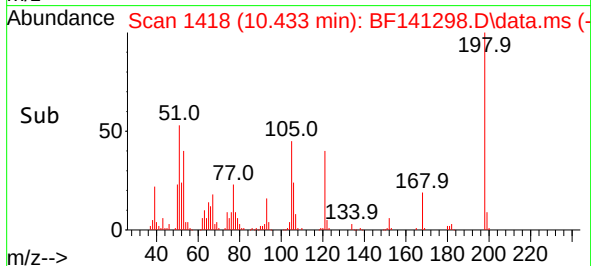
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



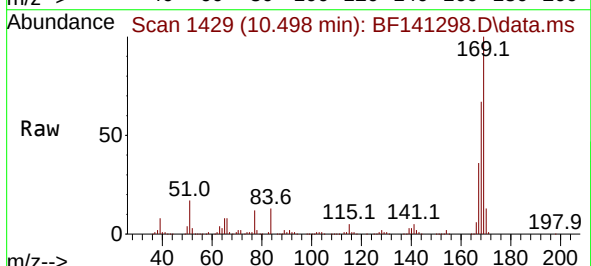
Tgt Ion:198 Resp: 111635
Ion Ratio Lower Upper
198 100
51 52.5 33.4 73.4
105 44.4 24.4 64.4

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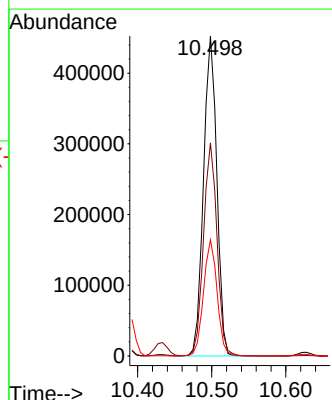
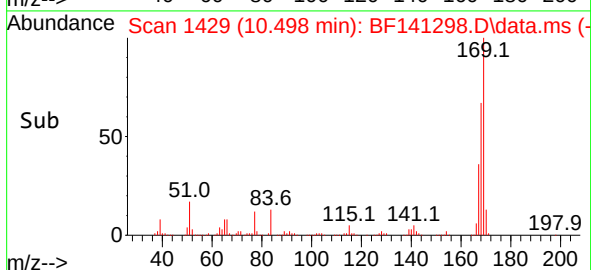
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

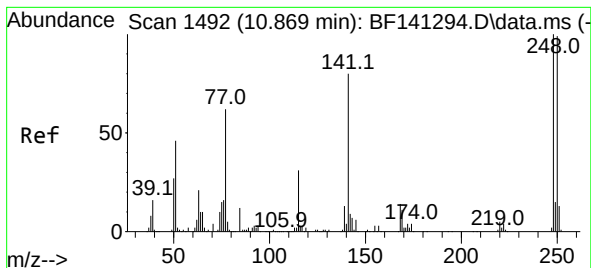


#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





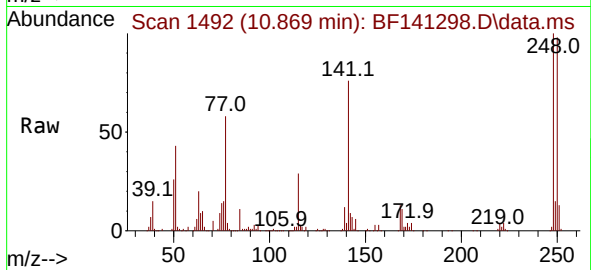
#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

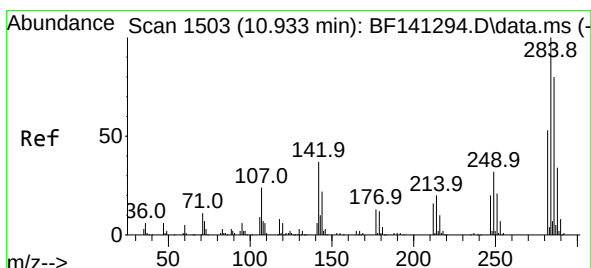
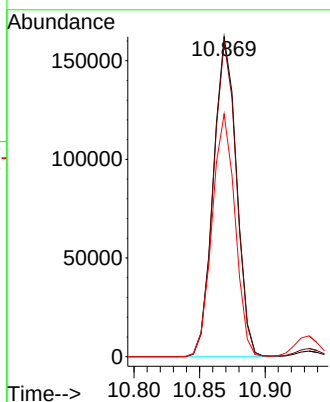
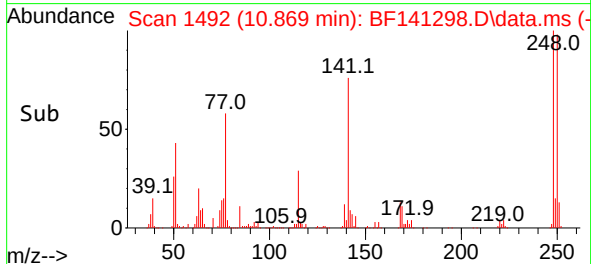
ICVBF012925



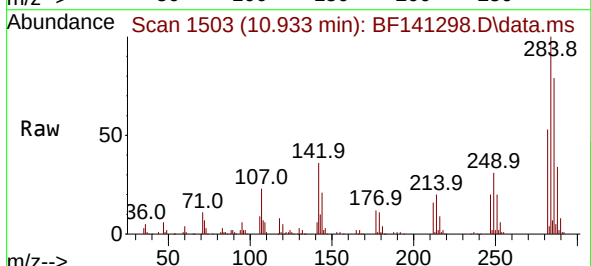
Tgt Ion:248 Resp: 199009
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.4
141 75.9 63.7 95.5

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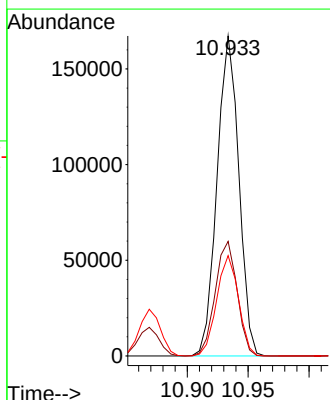
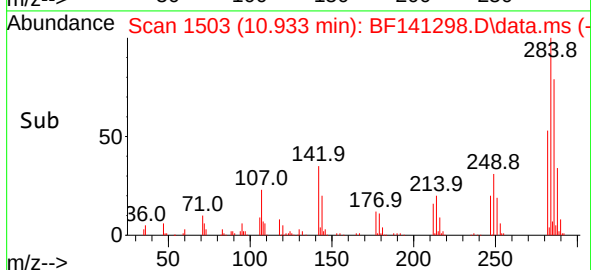
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

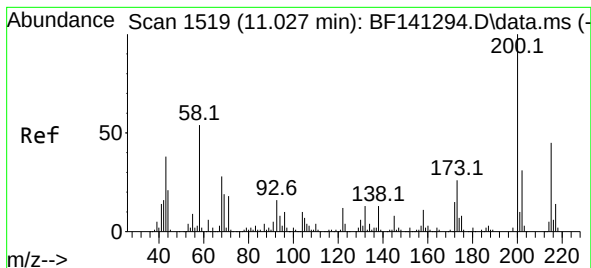


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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

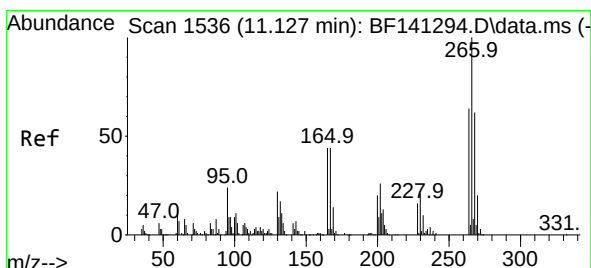
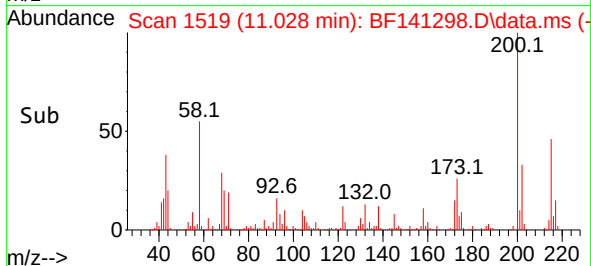
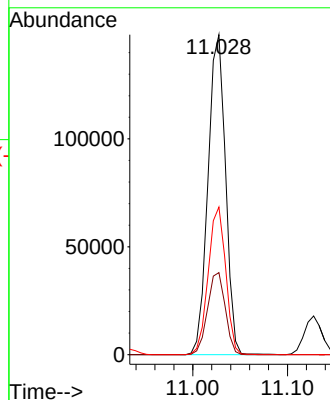
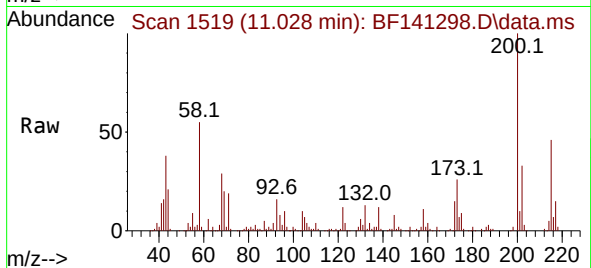
215 46.1 25.2 65.2

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

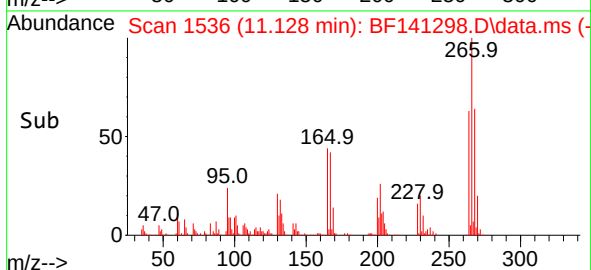
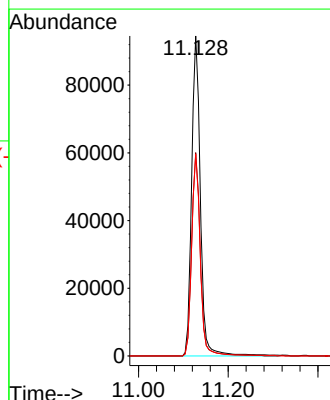
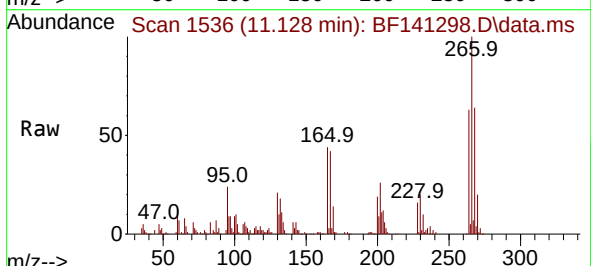
Tgt Ion:266 Resp: 128300

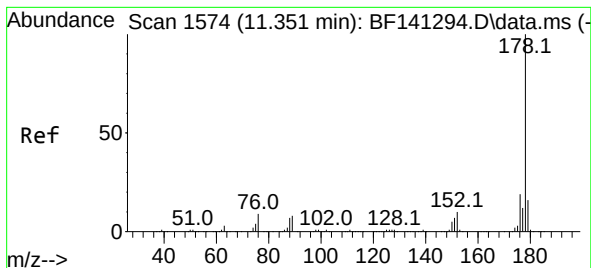
Ion Ratio Lower Upper

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

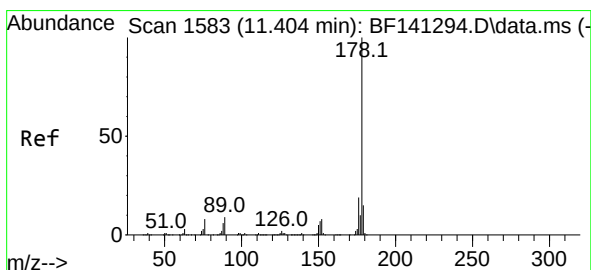
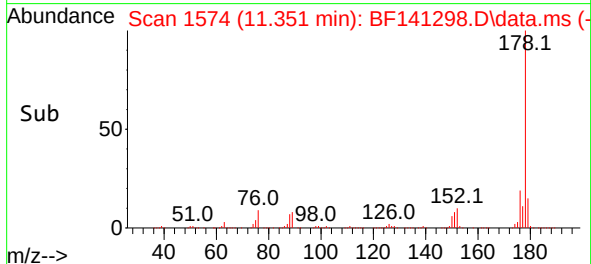
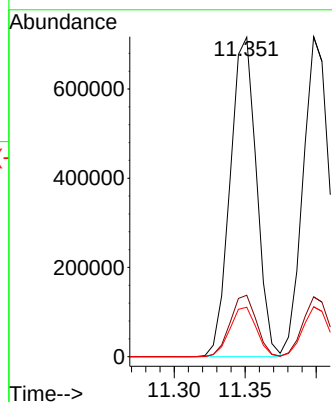
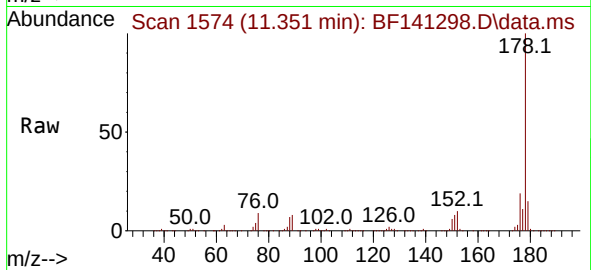
ClientSampleId :

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

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



#72

Anthracene

Concen: 38.484 ng

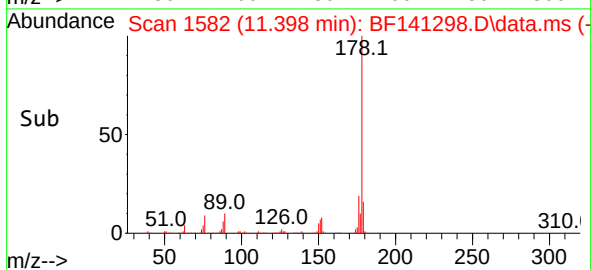
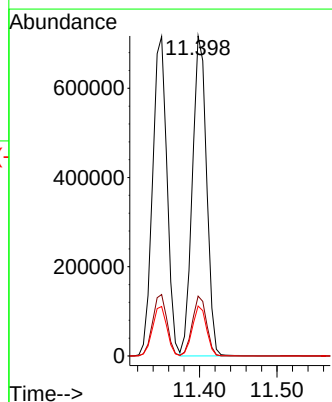
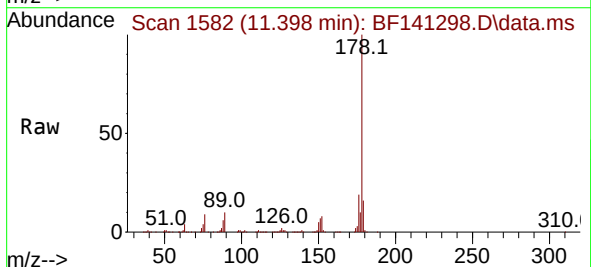
RT: 11.398 min Scan# 1582

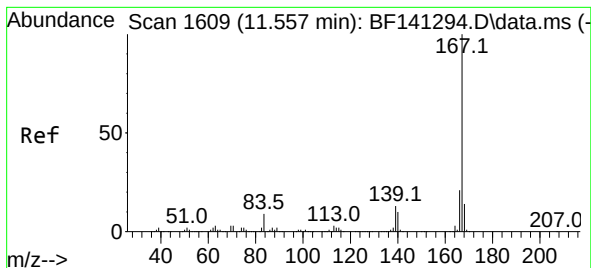
Delta R.T. -0.006 min

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

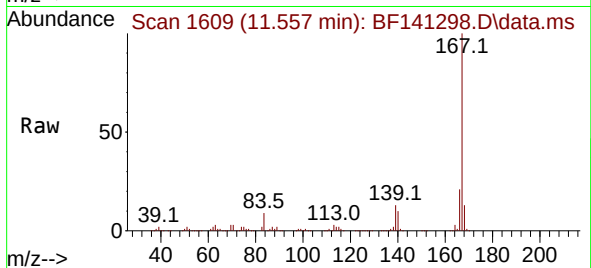
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:167 Resp: 813030

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

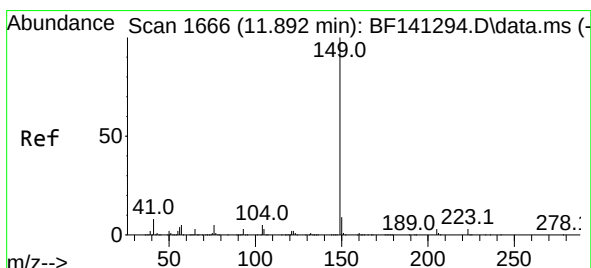
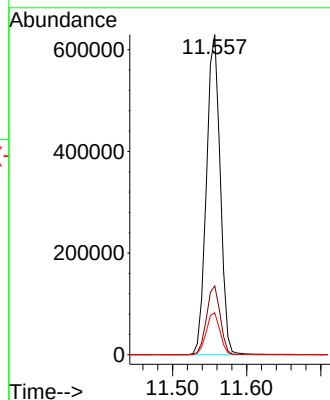
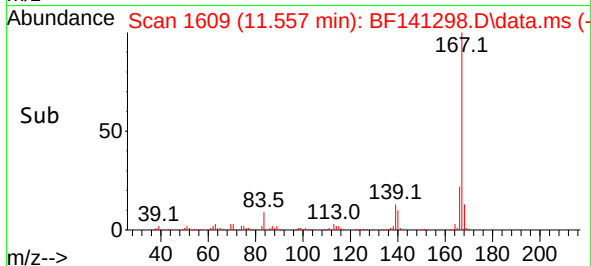
139 13.1 10.6 16.0

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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

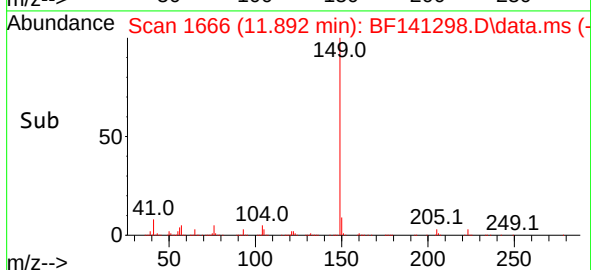
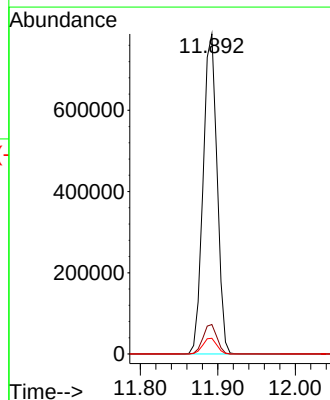
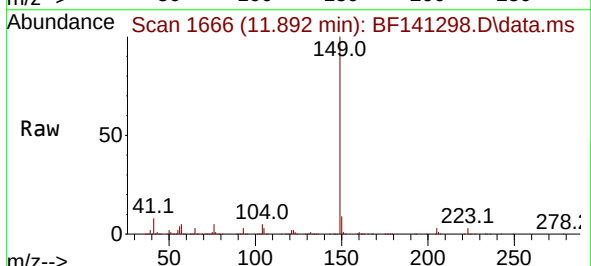
Tgt Ion:149 Resp: 984759

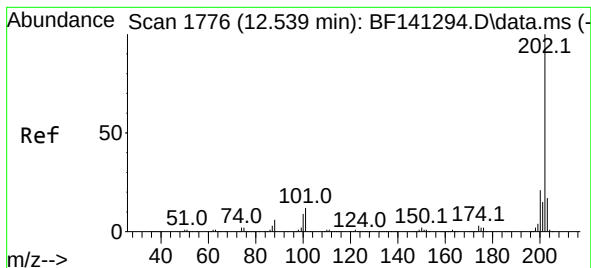
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

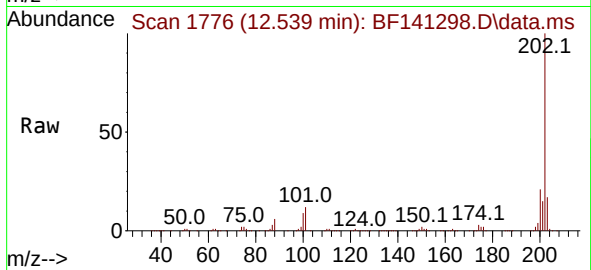
104 4.9 3.9 5.9





#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

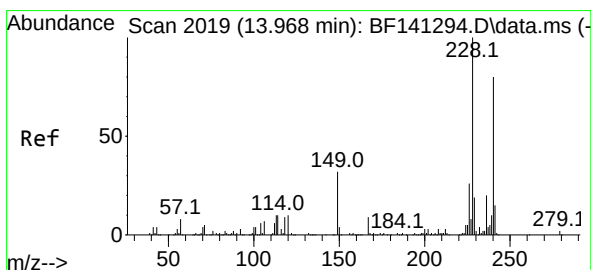
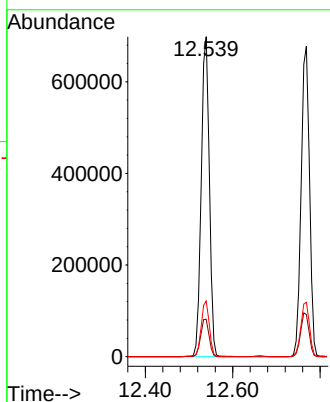
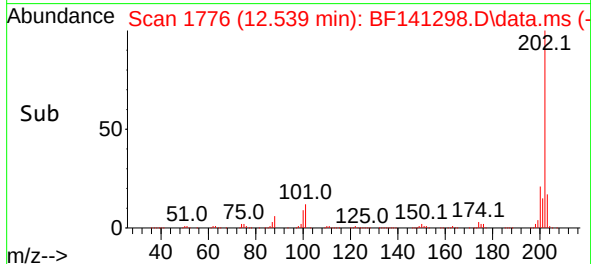
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



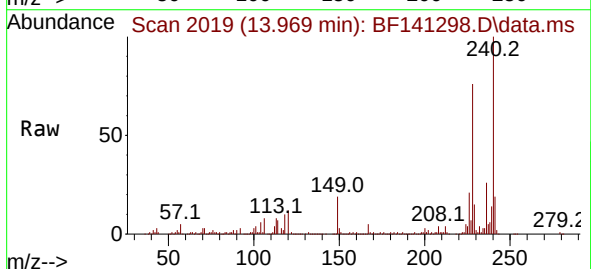
Tgt Ion:202 Resp: 90263
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.5

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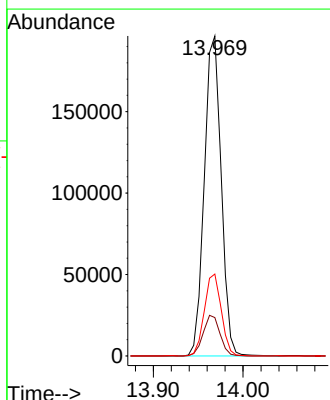
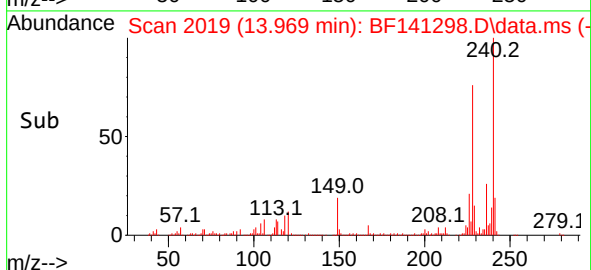
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

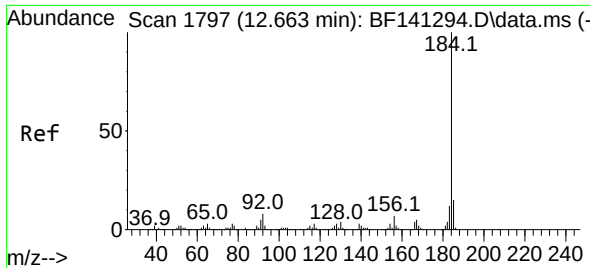


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



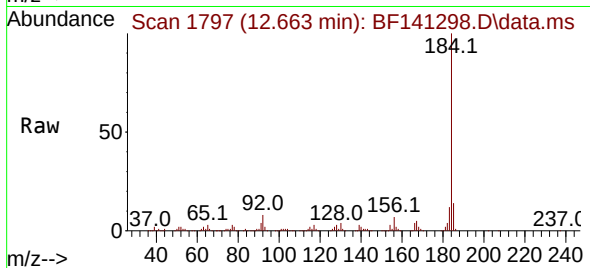
Tgt Ion:240 Resp: 257177
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.6 19.7 29.5





#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

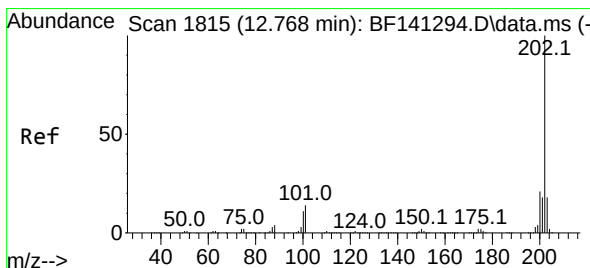
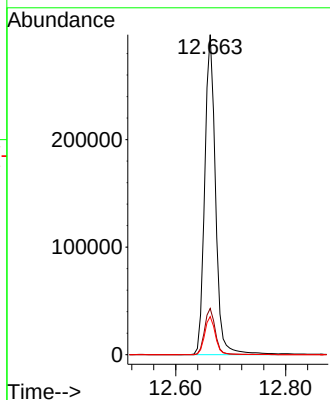
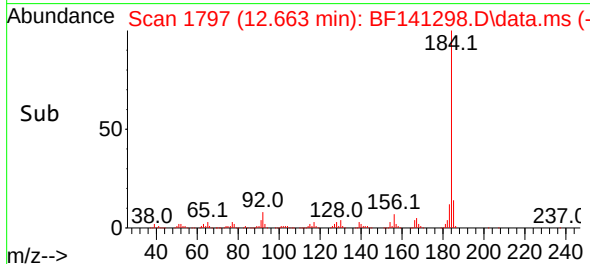
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



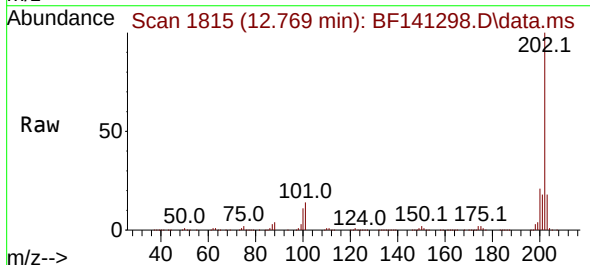
Tgt Ion:184 Resp: 40516
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.9 9.5 14.3

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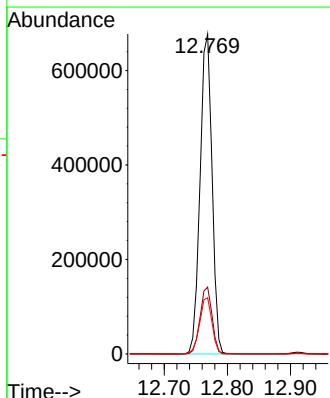
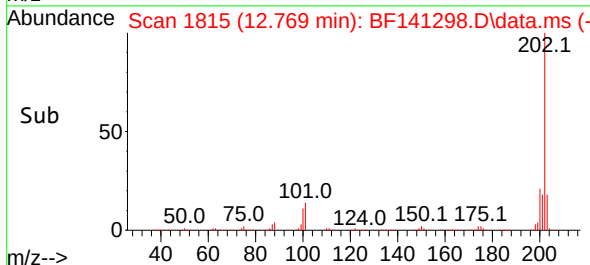
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

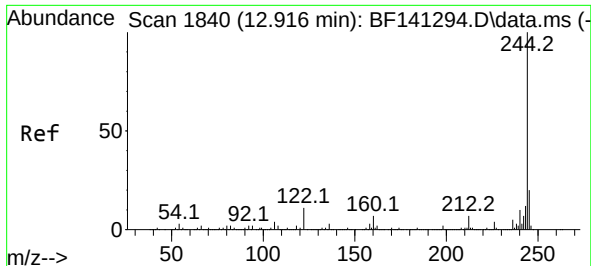


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





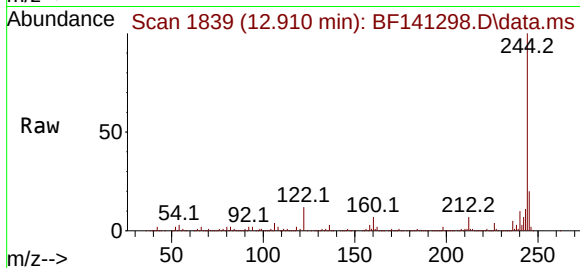
#79
 Terphenyl-d14
 Concen: 72.460 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF141298.D
 Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

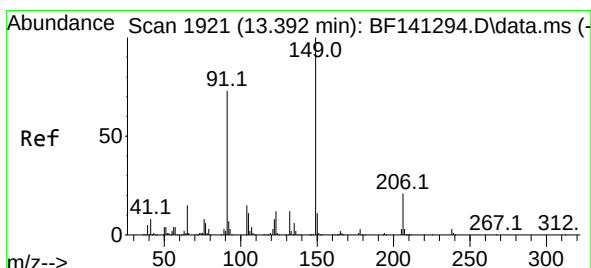
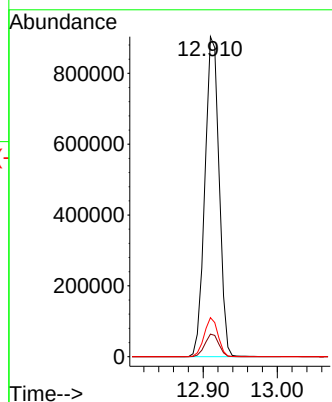
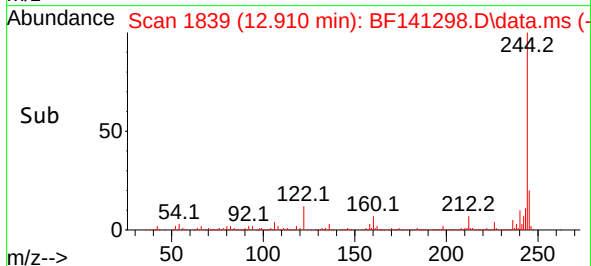
ICVBF012925



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

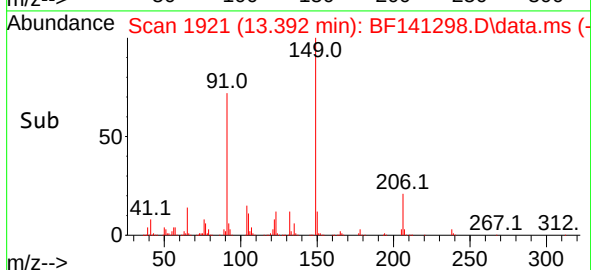
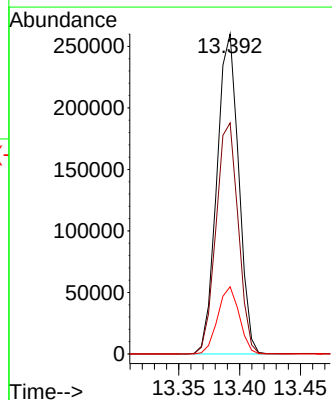
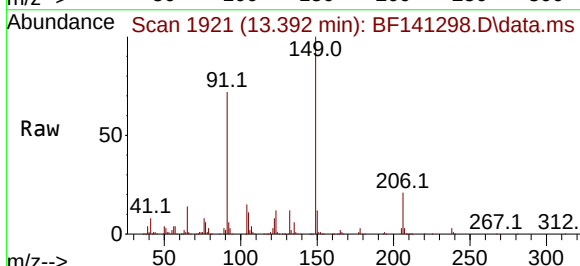
Manual Integrations
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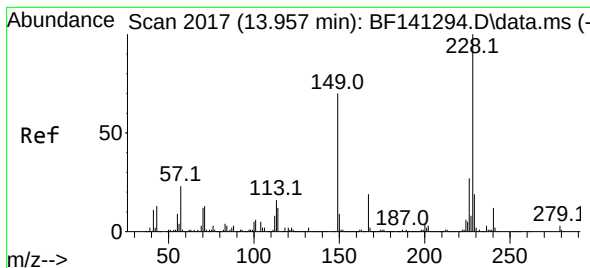
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#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

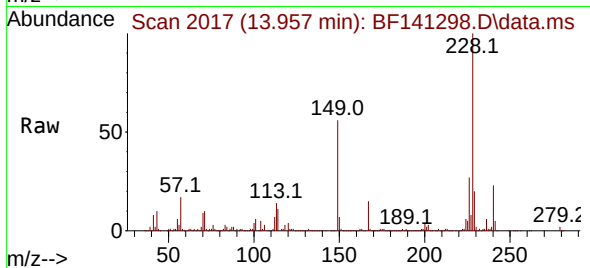
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:228 Resp: 631550

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

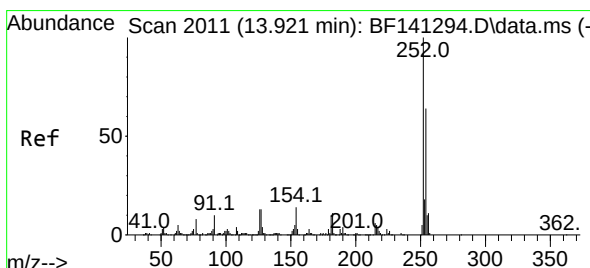
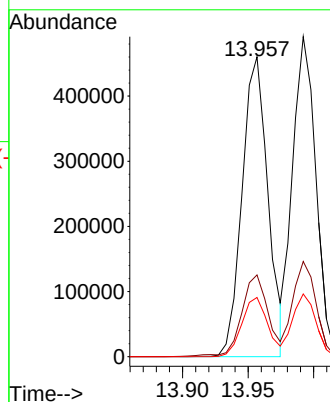
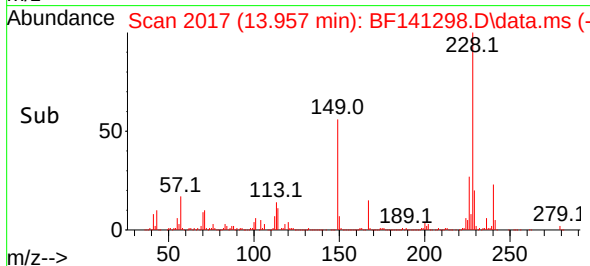
229 19.7 15.5 23.3

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

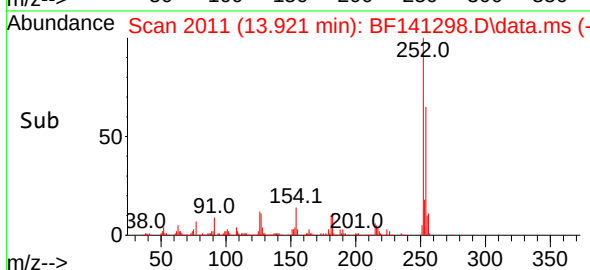
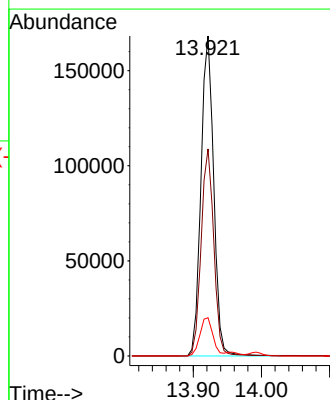
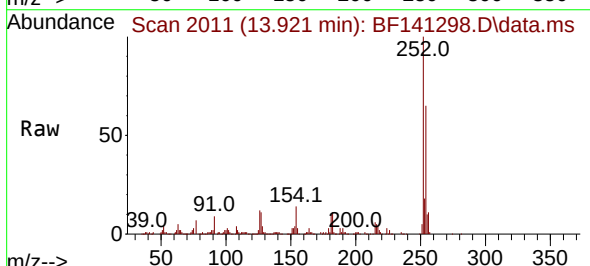
Tgt Ion:252 Resp: 218850

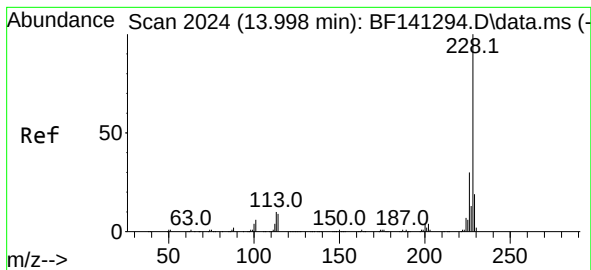
Ion Ratio Lower Upper

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

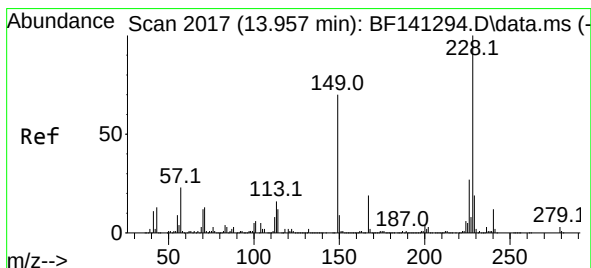
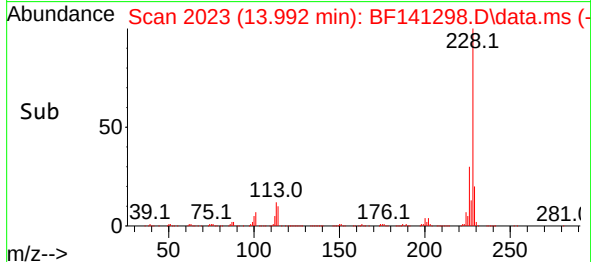
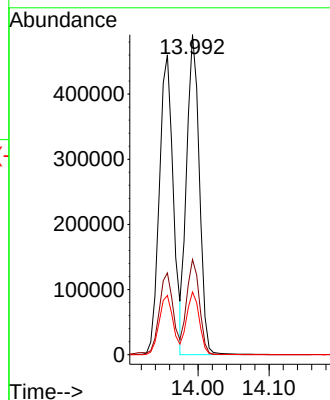
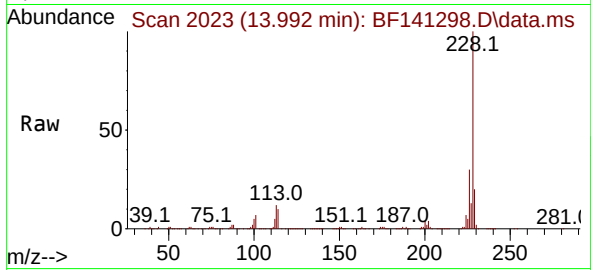
229 19.6 15.6 23.4

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

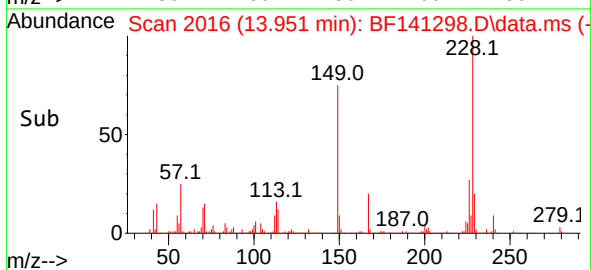
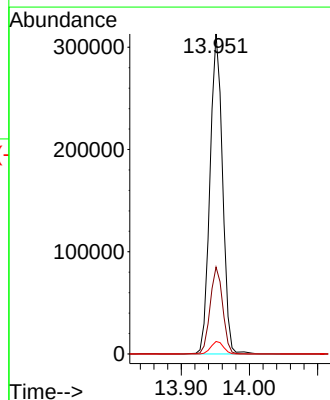
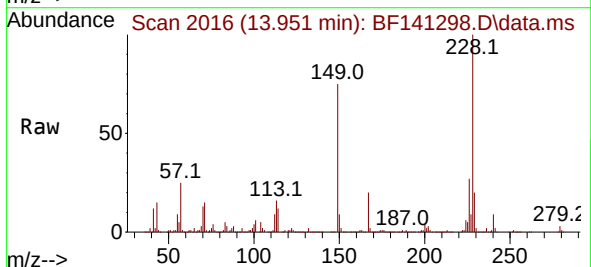
Tgt Ion:149 Resp: 400642

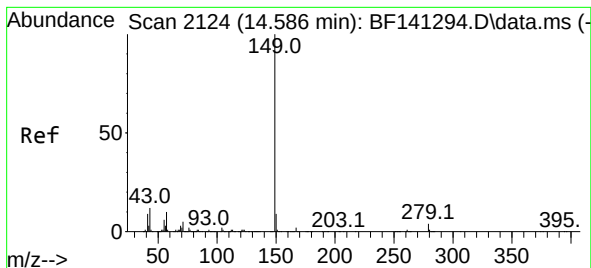
Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.8

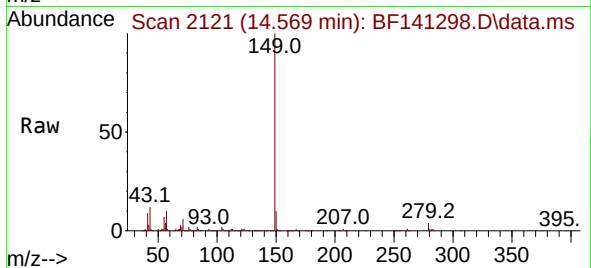
279 3.9 3.3 4.9





#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

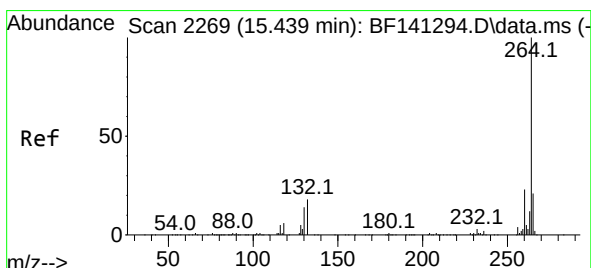
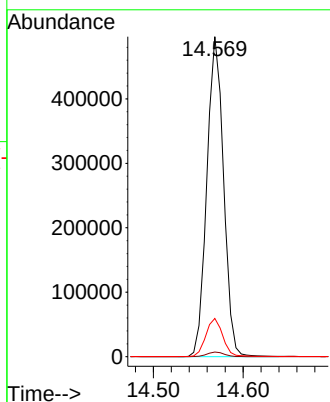
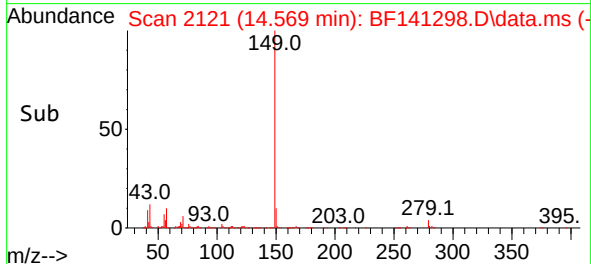
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



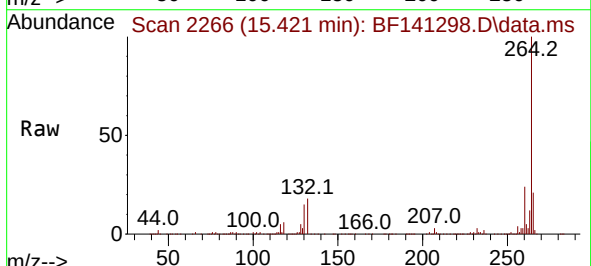
Tgt Ion:149 Resp: 642439
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.8 14.8

Manual Integrations
APPROVED

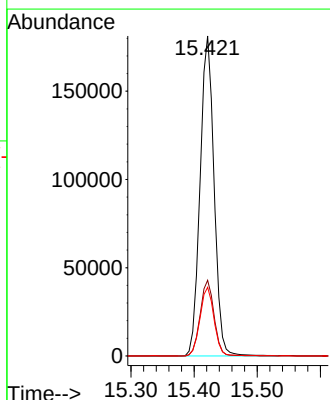
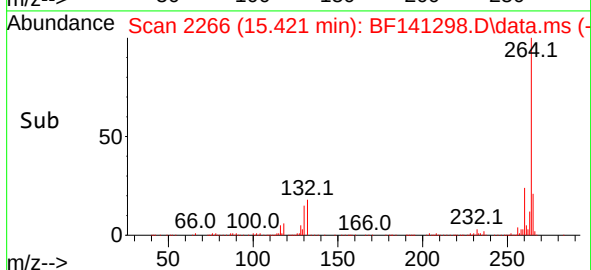
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

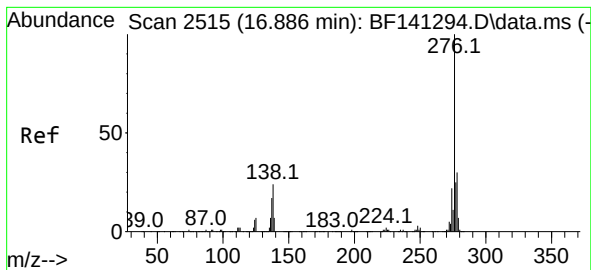


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



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





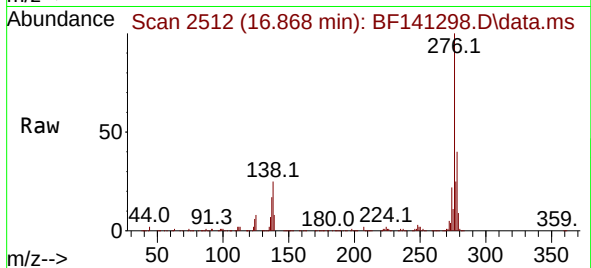
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

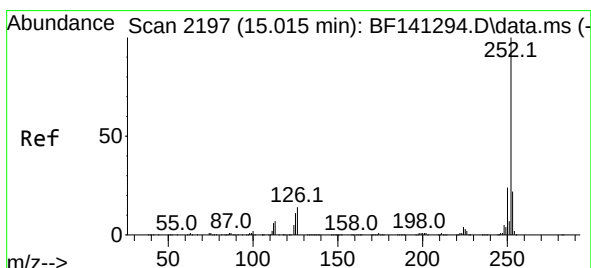
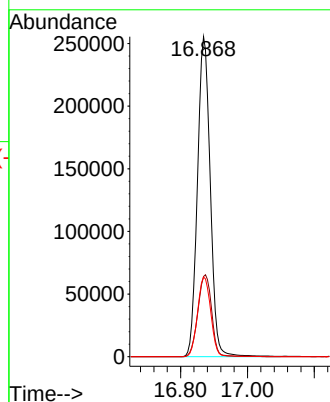
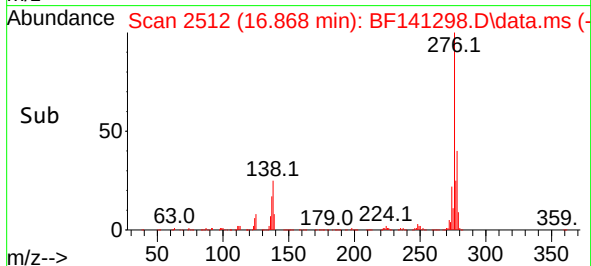
ICVBF012925



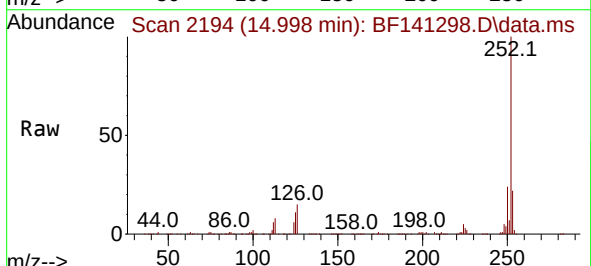
Tgt Ion:276 Resp: 67865
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.7 20.3 30.5

Manual Integrations
APPROVED

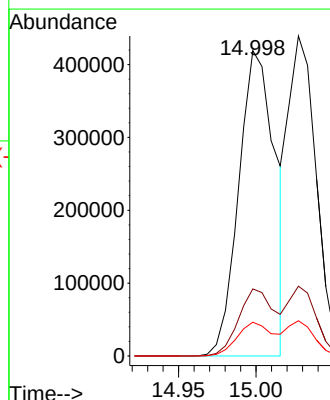
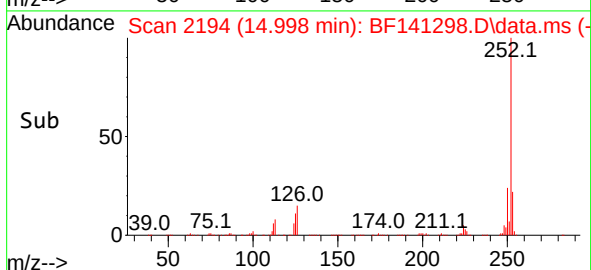
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

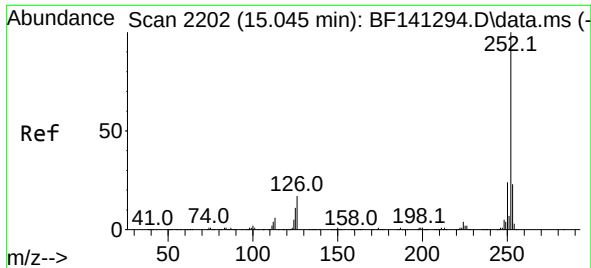


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



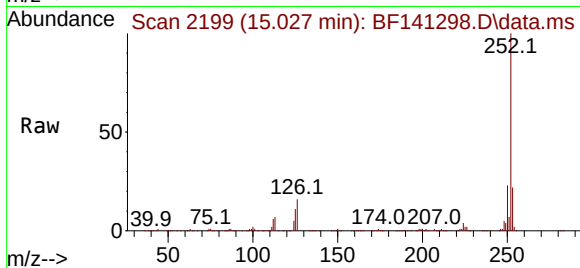
Tgt Ion:252 Resp: 683111
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#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

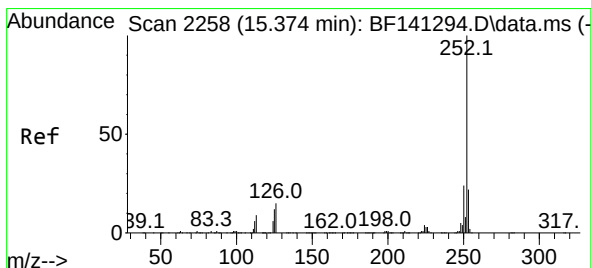
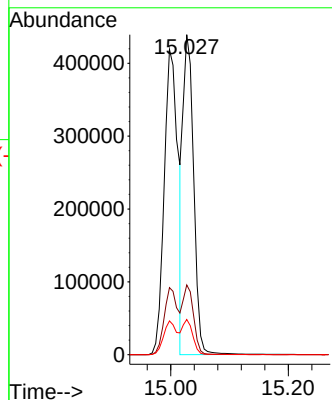
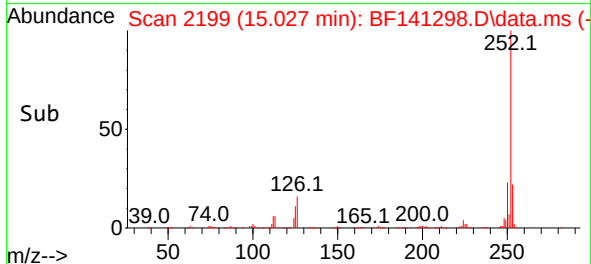
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



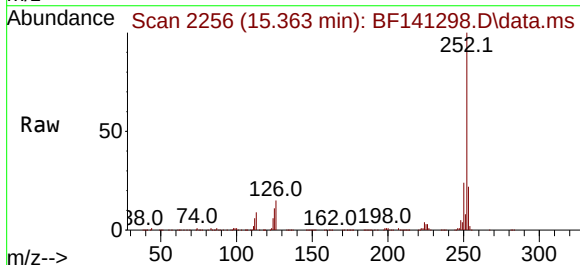
Tgt Ion:252 Resp: 556960
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 11.0 8.4 12.6

Manual Integrations
APPROVED

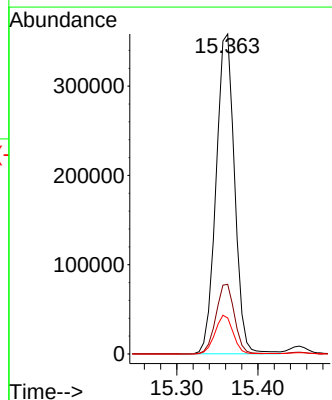
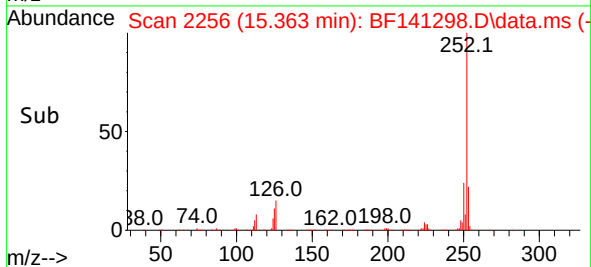
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

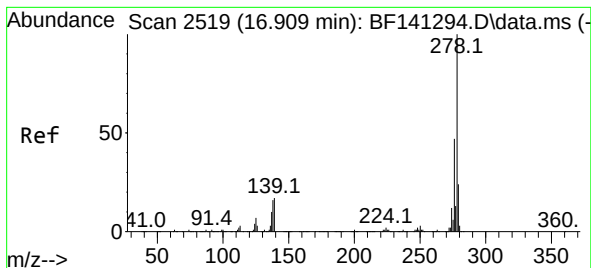


#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



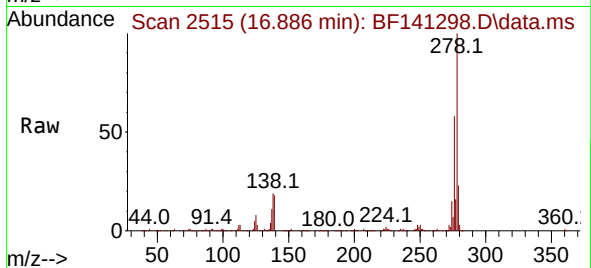
Tgt Ion:252 Resp: 567574
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 11.2 9.4 14.2





#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

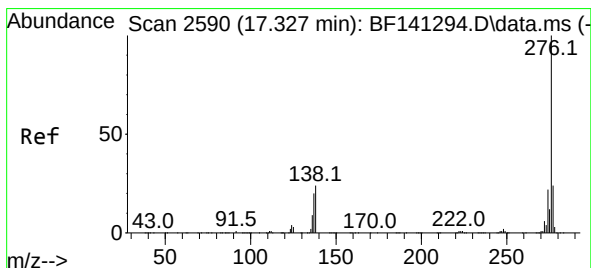
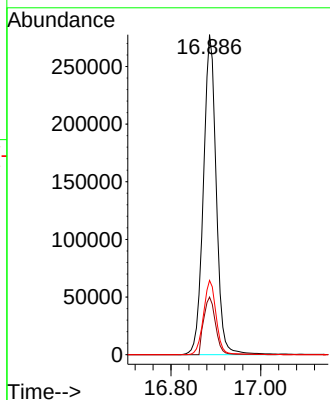
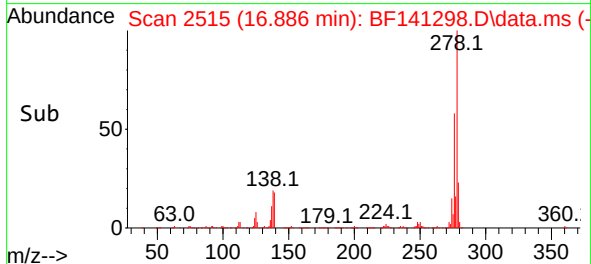
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



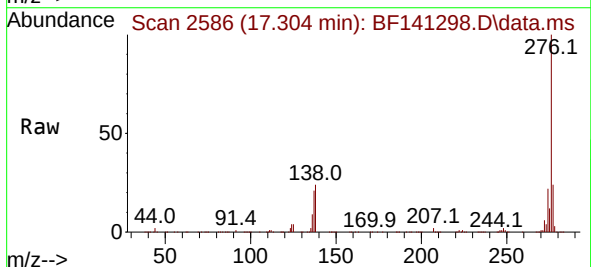
Tgt Ion:278 Resp: 551534
Ion Ratio Lower Upper
278 100
139 18.0 13.9 20.9
279 23.2 18.8 28.2

Manual Integrations
APPROVED

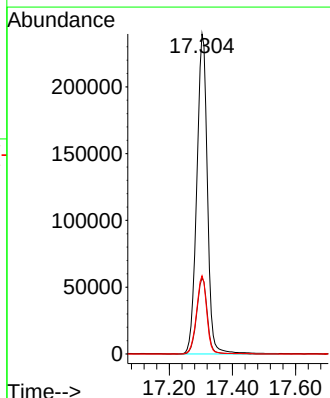
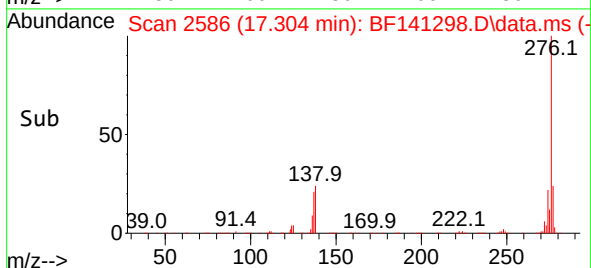
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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	Benzydine	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
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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	0.249	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)	Butylbenzylphth...	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

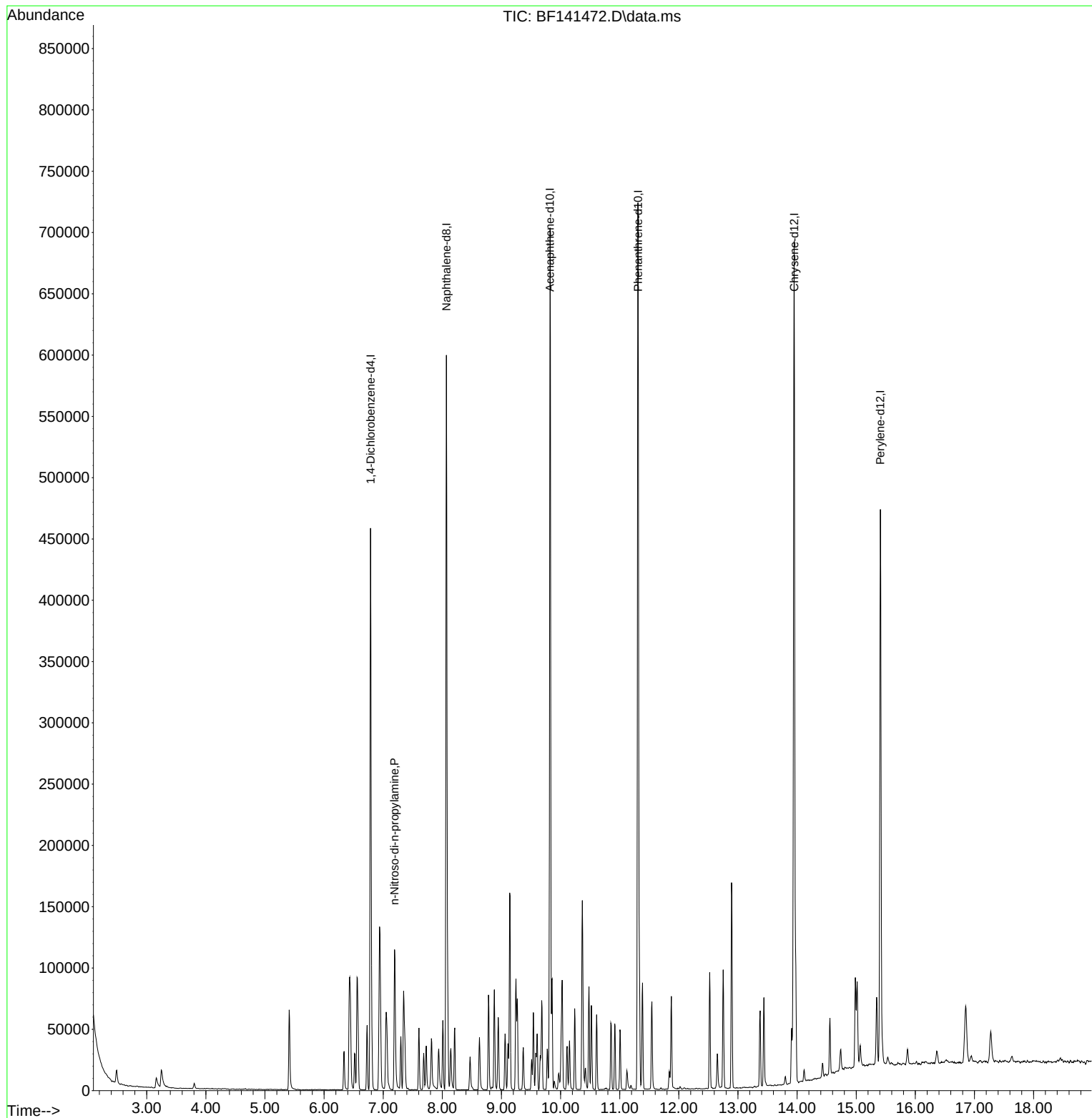
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	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						Qvalue
19) n-Nitroso-di-n-propyla...	7.192	70	10850	2.462	ng	92

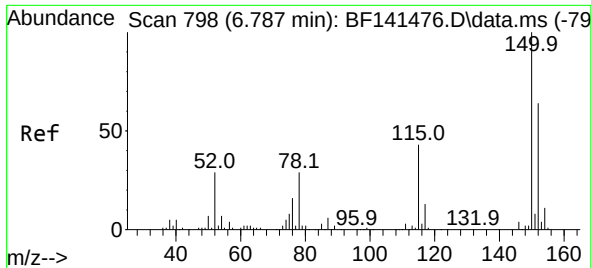
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

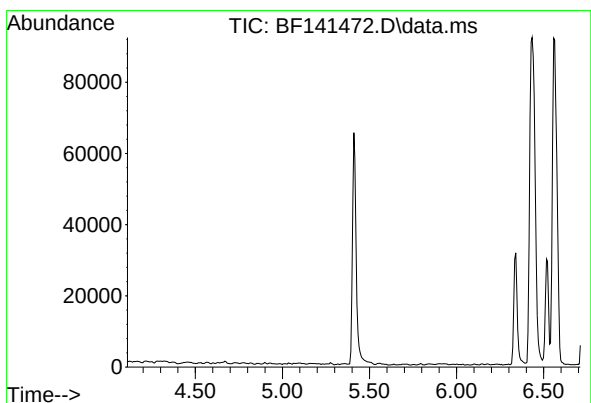
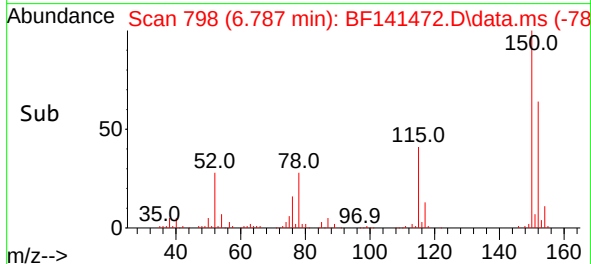
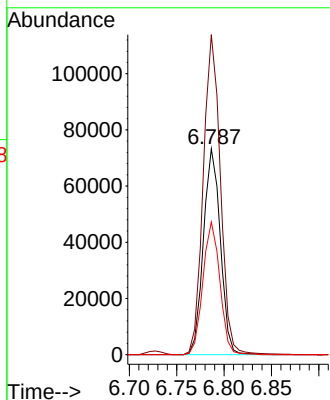
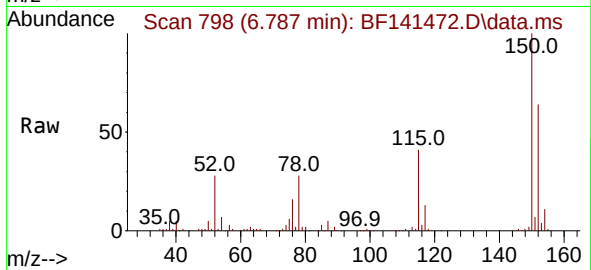




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

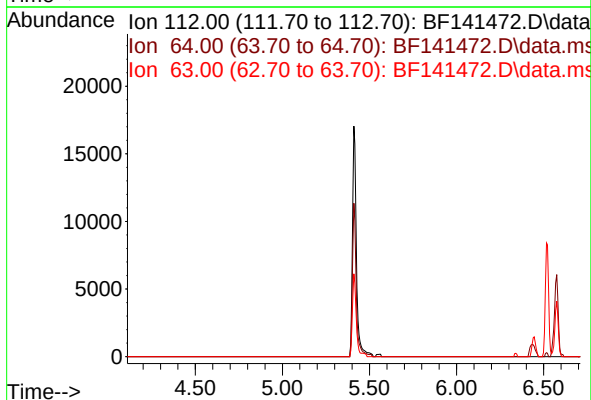
Tgt Ion:152	Resp:	91402
Ion	Ratio	Lower Upper
152	100	
150	155.4	125.0 187.4
115	64.4	53.6 80.4

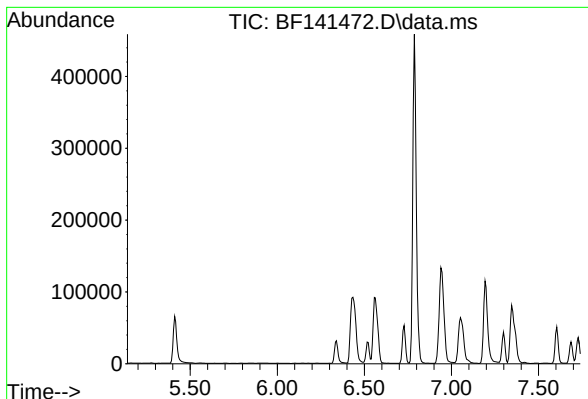


#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.41 min

Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Tgt Ion: 112	
Sig	Exp Ratio
112	100
64	63.9
63	35.5



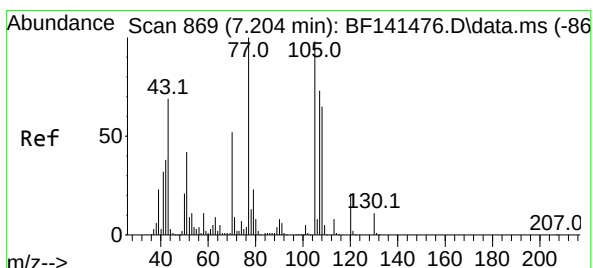
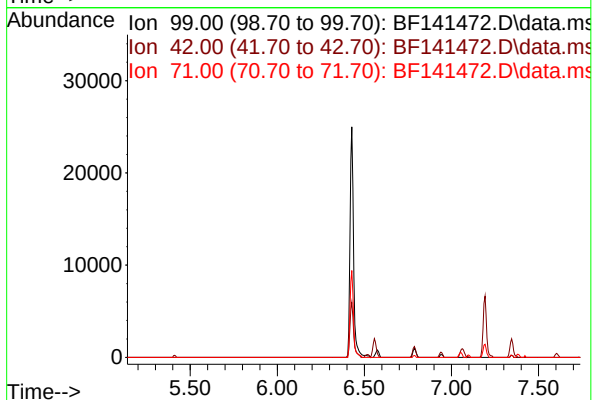


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.44 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 99

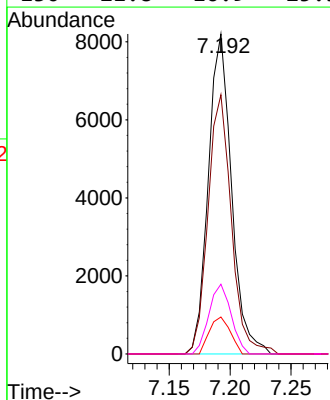
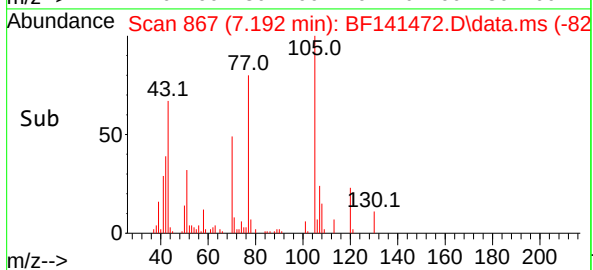
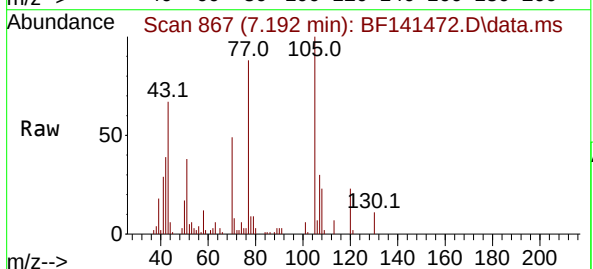
Sig	Exp Ratio
99	100
42	23.9
71	38.9

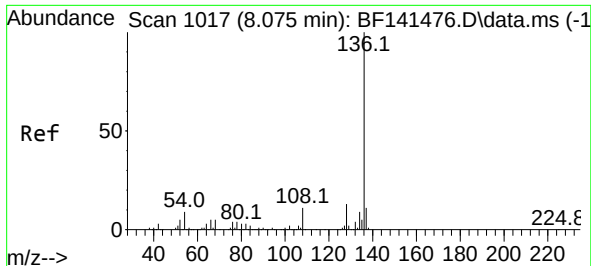


#19
 n-Nitroso-di-n-propylamine
 Concen: 2.462 ng
 RT: 7.192 min Scan# 867
 Delta R.T. -0.023 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Tgt Ion: 70 Resp: 10850

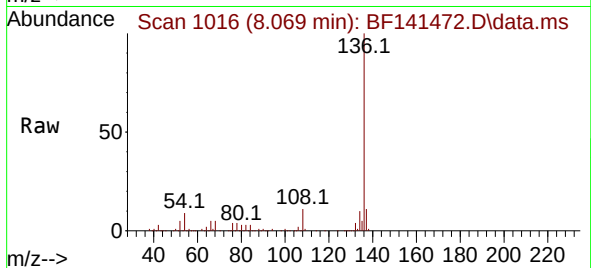
Ion	Ratio	Lower	Upper
70	100		
42	81.0	57.4	86.2
101	11.5	8.0	12.0
130	21.8	16.9	25.3



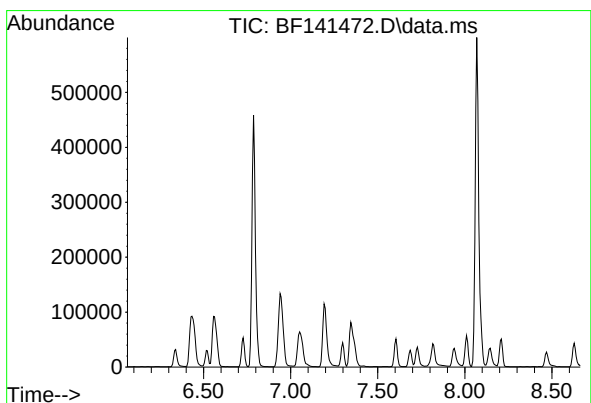
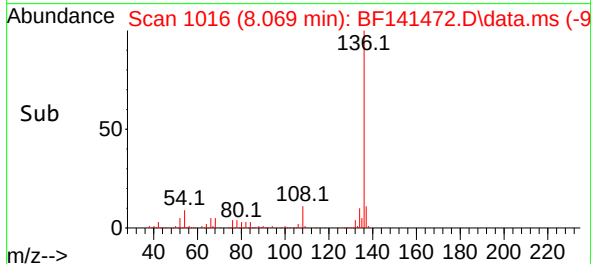
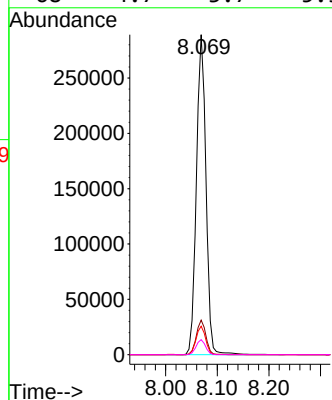


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



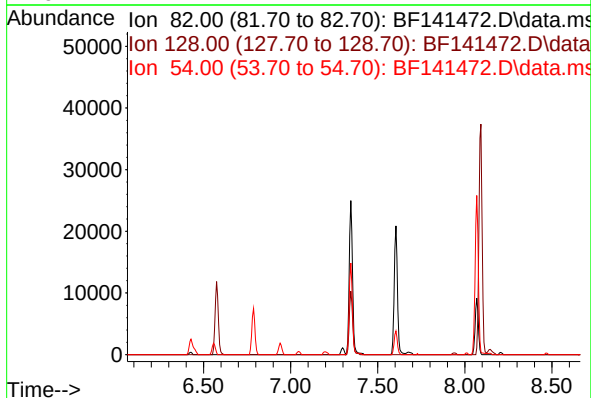
Tgt Ion:	136	Resp:	372084
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5

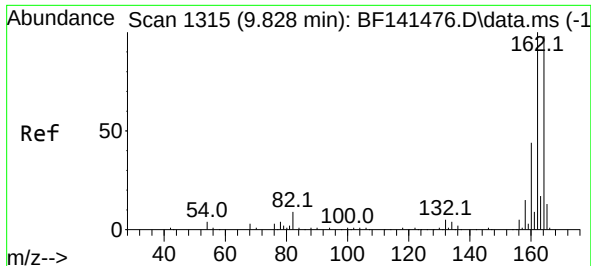


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

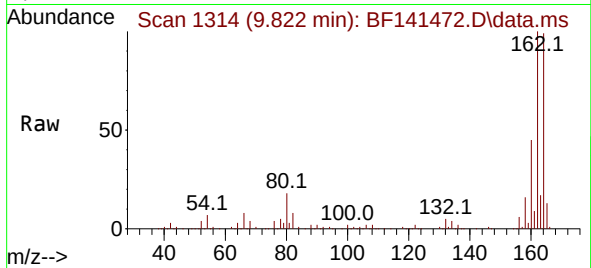
Tgt Ion:	82
Sig	Exp Ratio
82	100
128	43.5
54	60.3



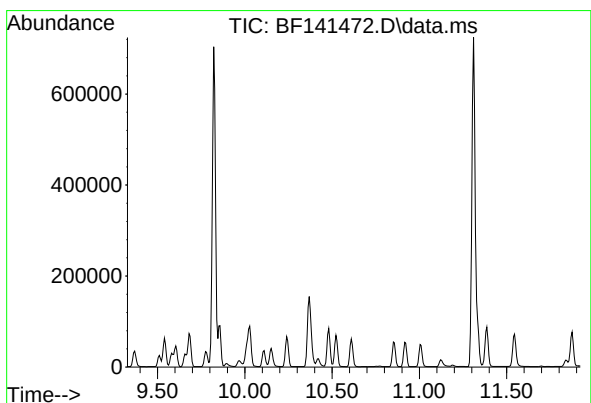
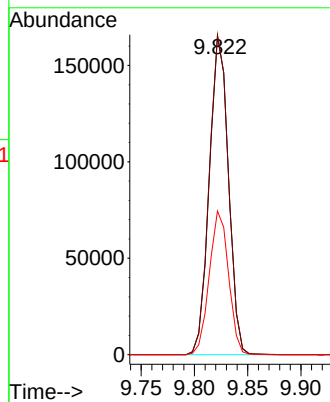
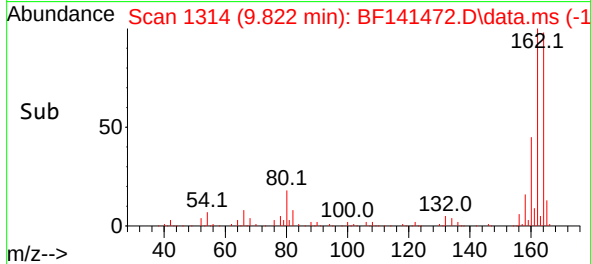


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



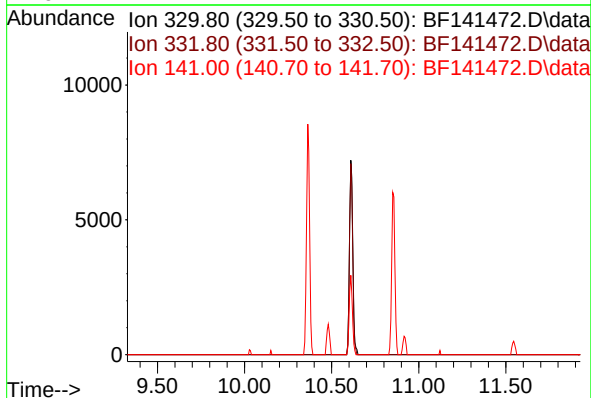
Tgt Ion:164 Resp: 206500
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 45.1 35.9 53.9

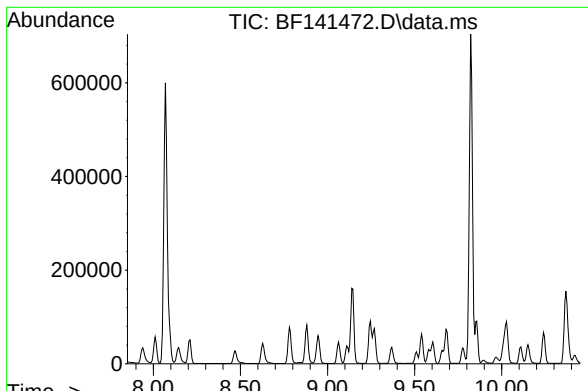


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.1
141 38.7



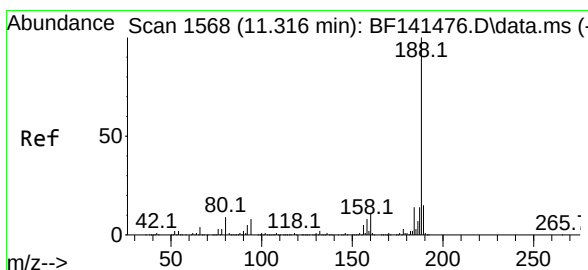
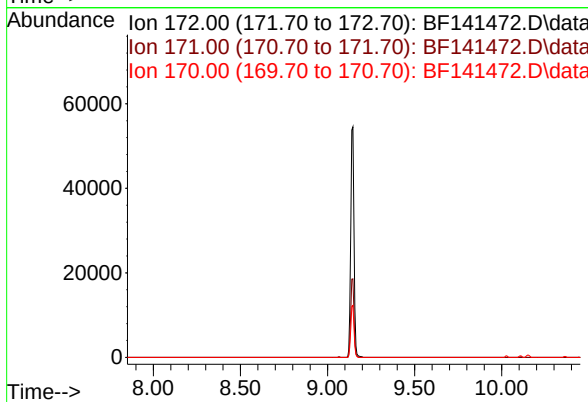


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.15 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Tgt Ion: 172

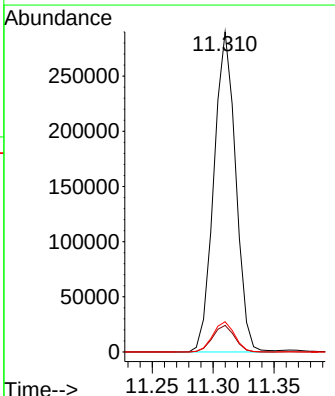
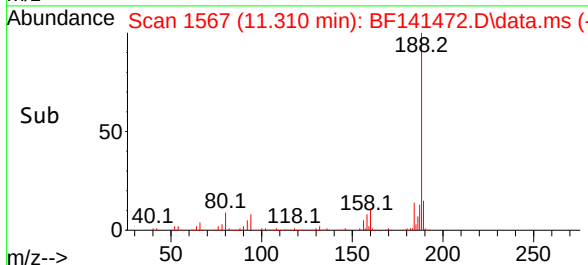
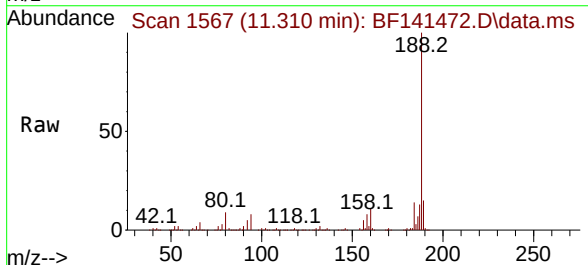
Sig	Exp Ratio
172	100
171	35.9
170	23.6

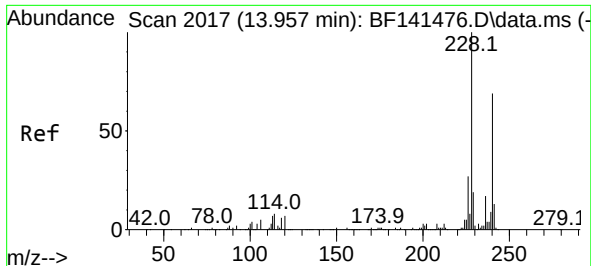


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

Tgt Ion: 188 Resp: 361595

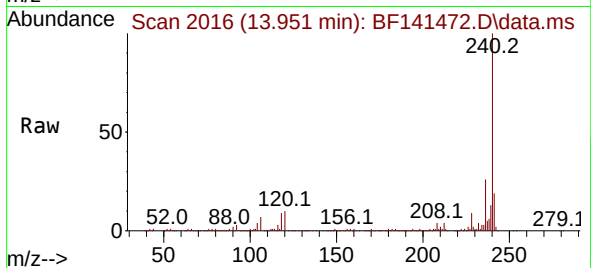
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.5	7.3	10.9



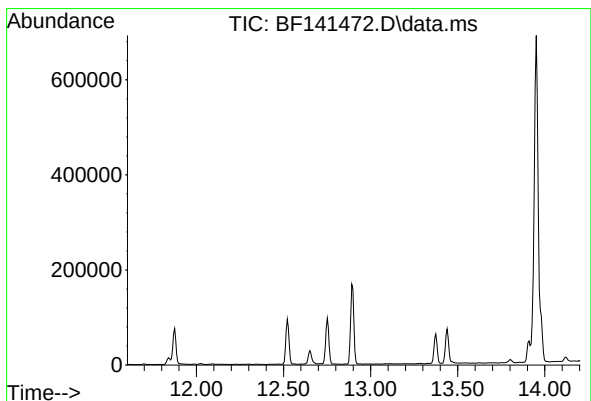
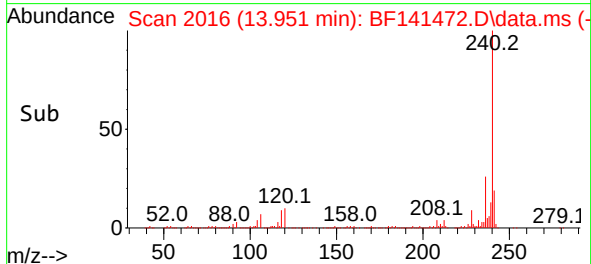
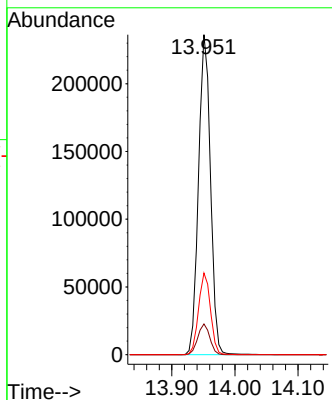


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



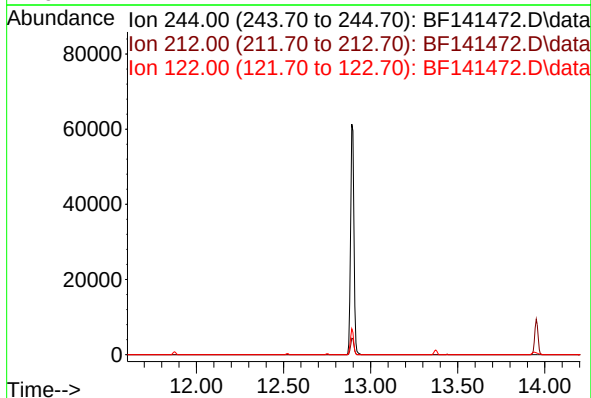
Tgt Ion: 240 Resp: 309941
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.5 19.8 29.8

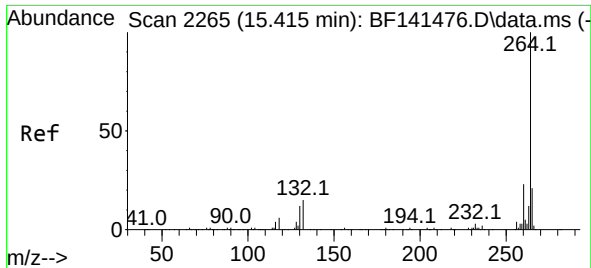


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

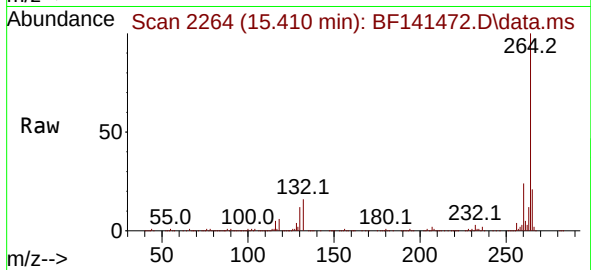
Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.0
122 10.5





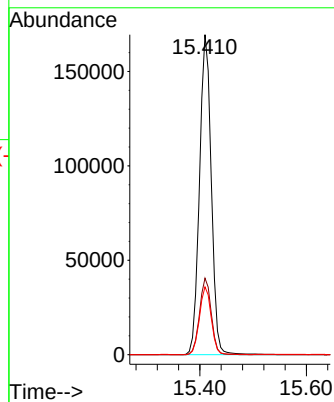
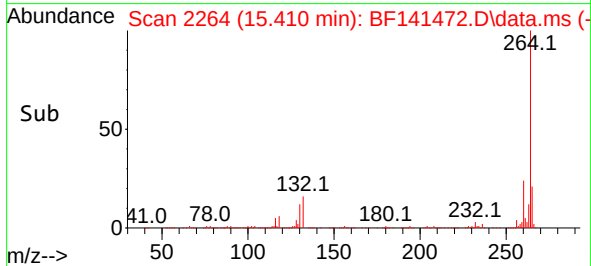
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141472.D
 Acq: 06 Feb 2025 11:07

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

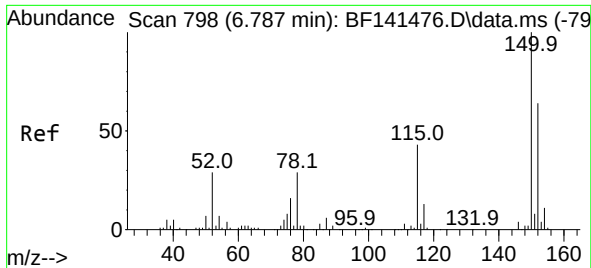
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng	100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng	98
49) Acenaphthylene	9.681	152	86721	5.097	ng	100
50) Dimethylphthalate	9.539	163	68921	5.088	ng	99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng	94
52) Acenaphthene	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

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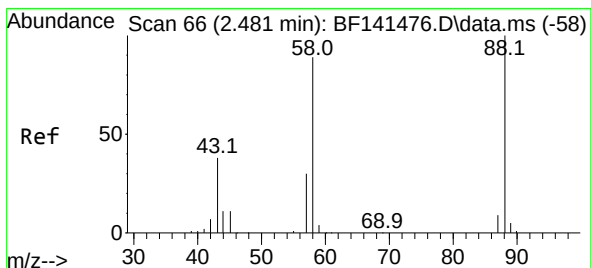
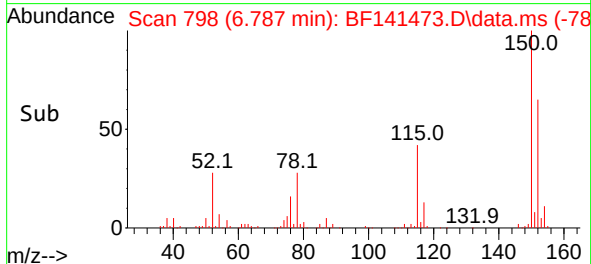
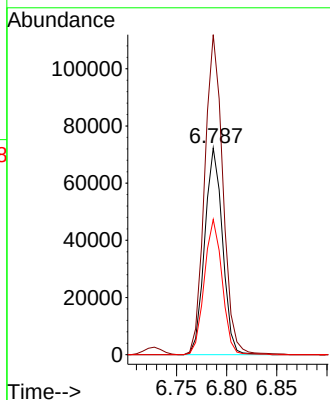
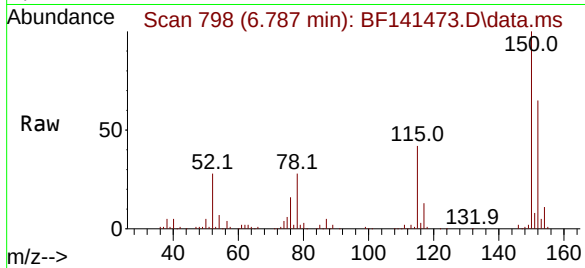




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141473.D
 Acq: 06 Feb 2025 11:34

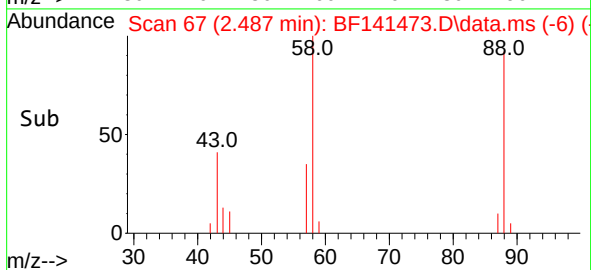
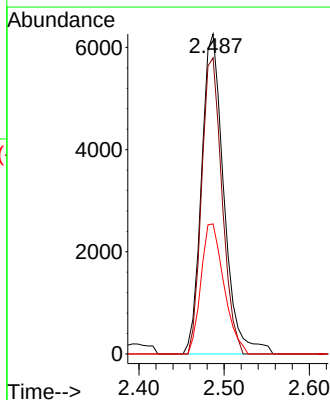
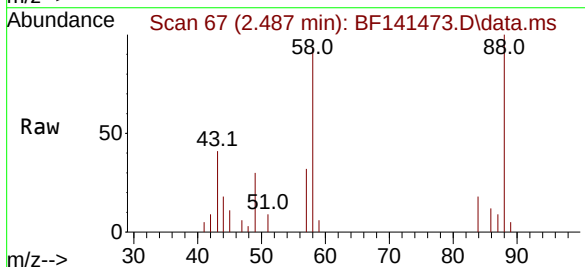
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

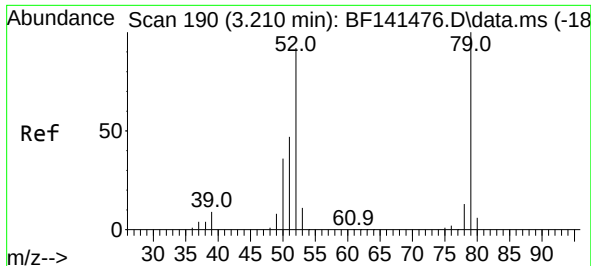
Tgt Ion:152 Resp: 89396
 Ion Ratio Lower Upper
 152 100
 150 154.8 125.0 187.4
 115 65.4 53.6 80.4



#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

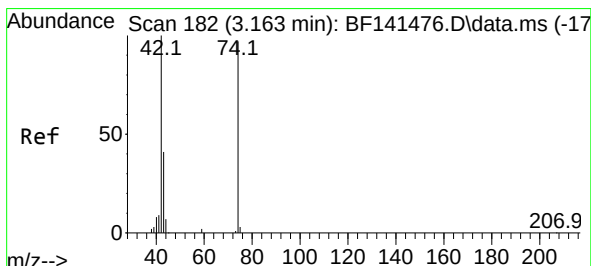
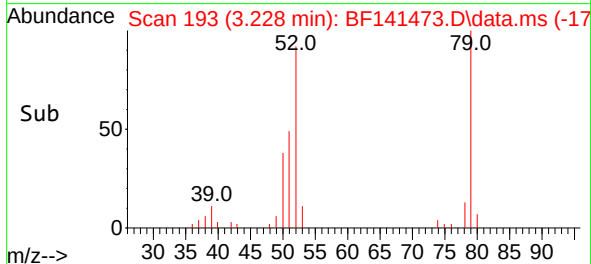
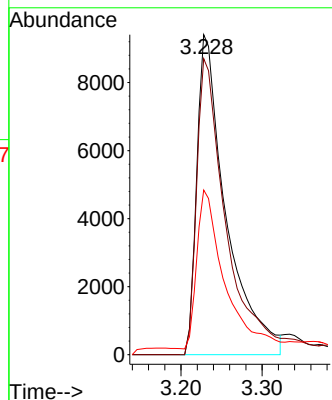
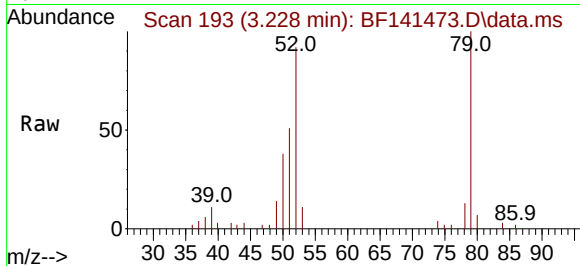




#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 190
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

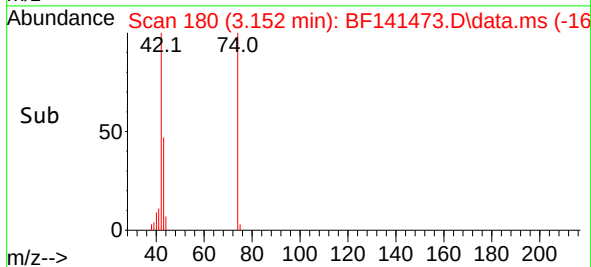
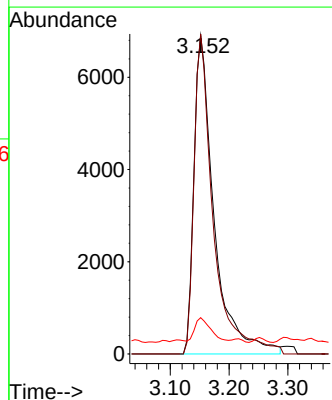
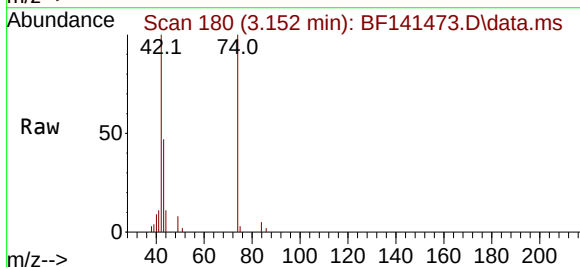
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

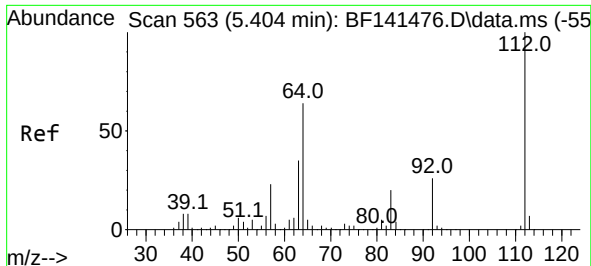
Tgt Ion	Ratio	Lower	Upper
79	100		
52	92.5	73.7	110.5
51	51.5	37.5	56.3



#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

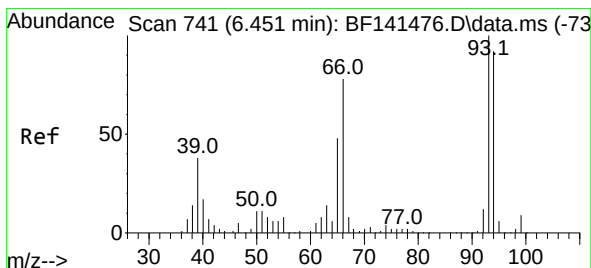
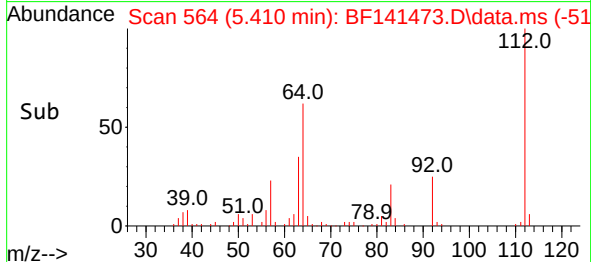
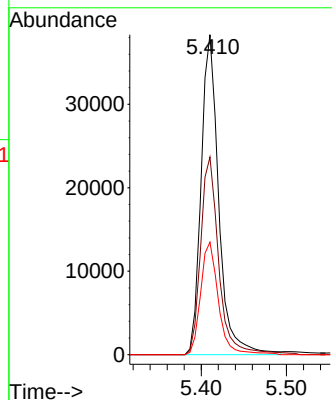
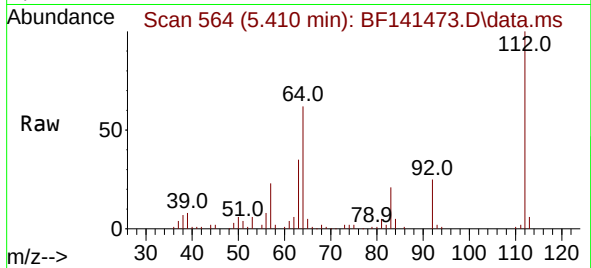




#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

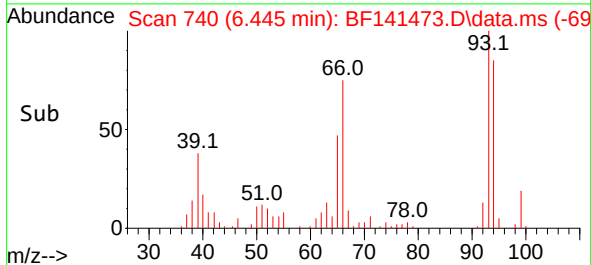
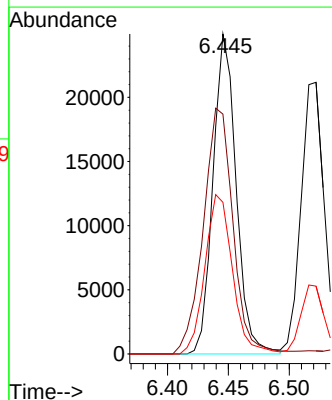
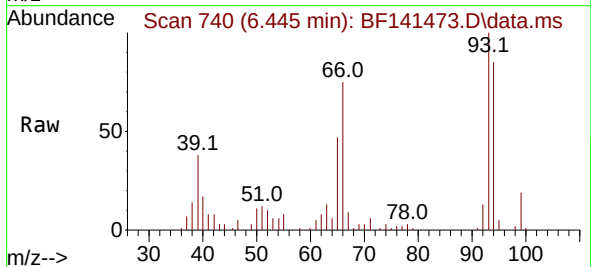
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

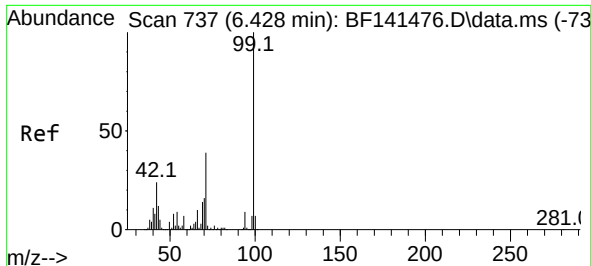
Tgt Ion:112 Resp: 55200
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 35.1 28.4 42.6



#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

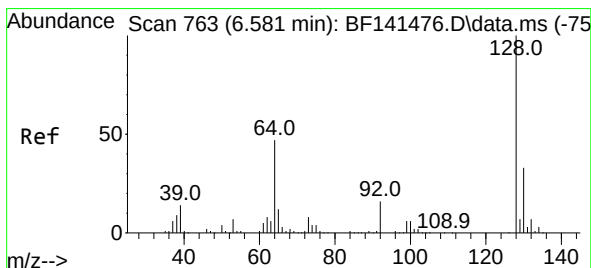
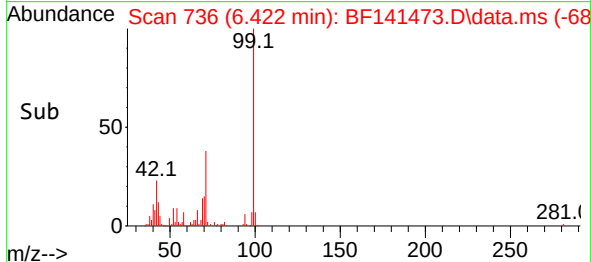
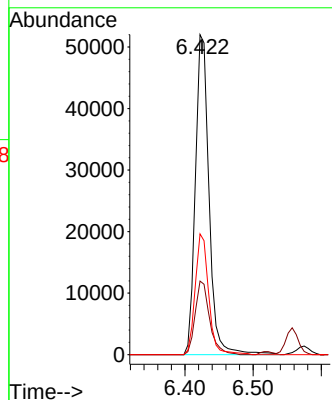
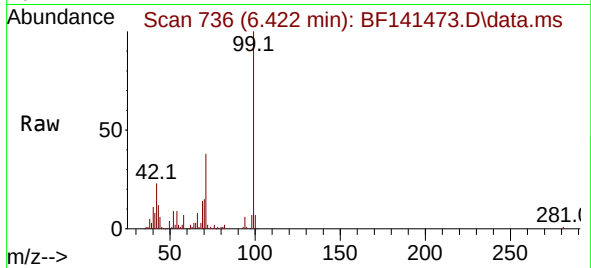




#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

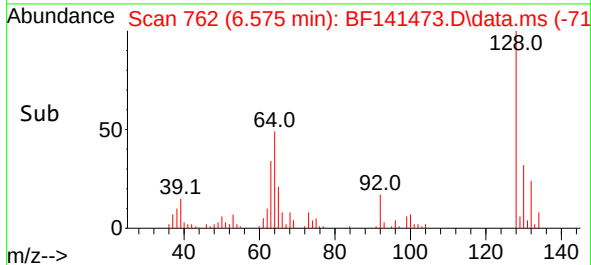
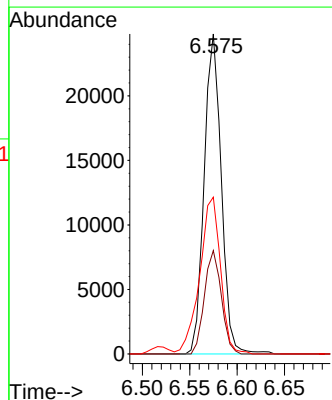
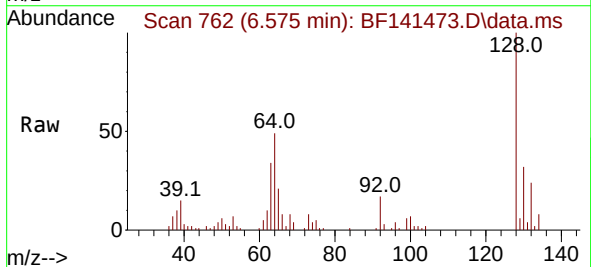
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

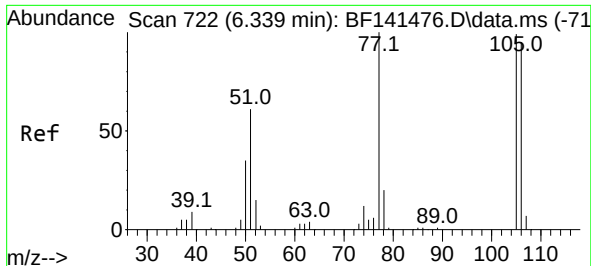
Tgt Ion: 99 Resp: 72376
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.7 31.1 46.7



#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

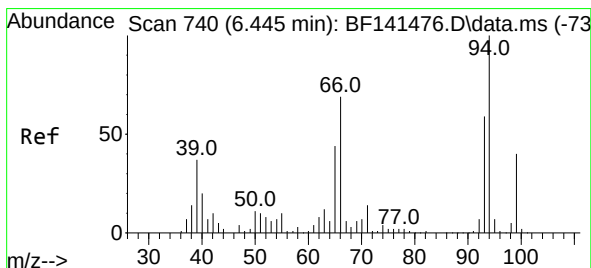
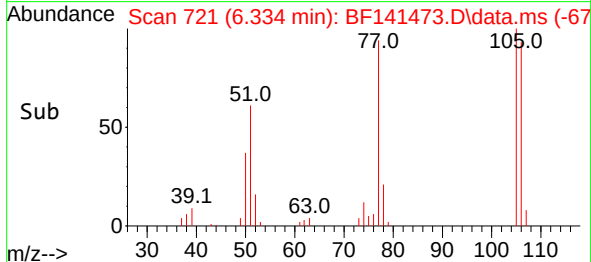
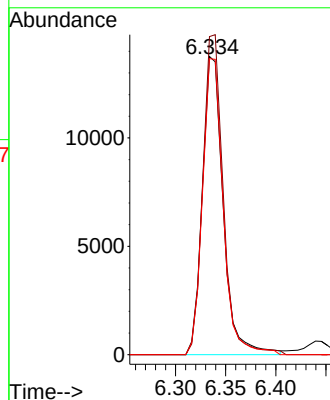
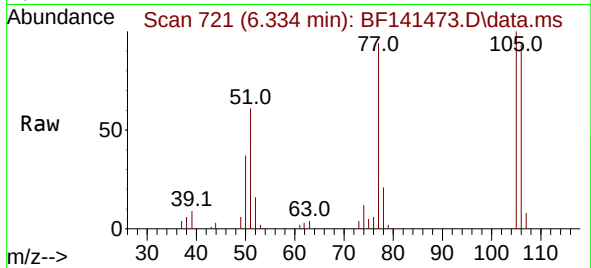




#9
Benzaldehyde
Concen: 5.207 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

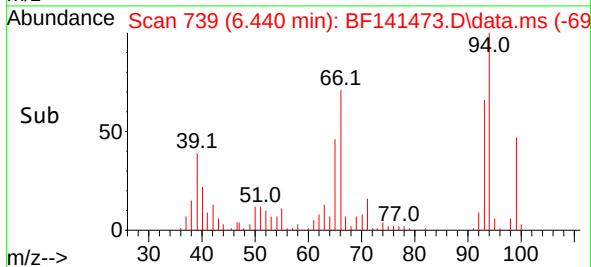
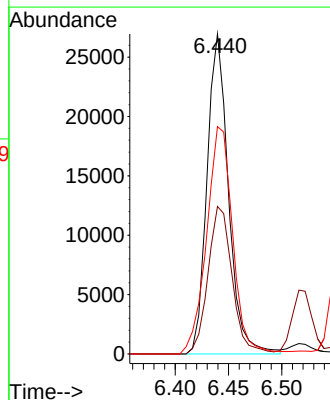
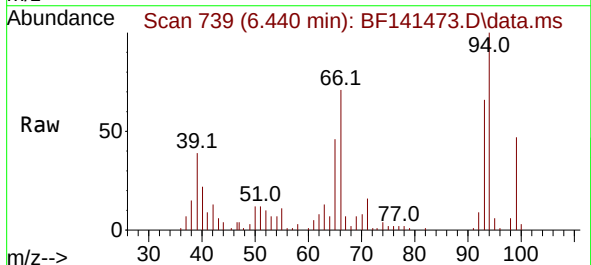
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

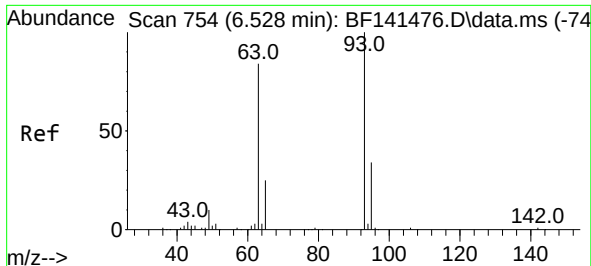
Tgt Ion: 77	Resp: 19944
Ion Ratio	Lower Upper
77 100	
105 106.6	79.4 119.4
106 99.2	75.1 115.1



#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



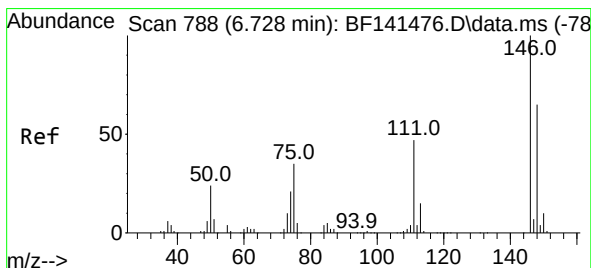
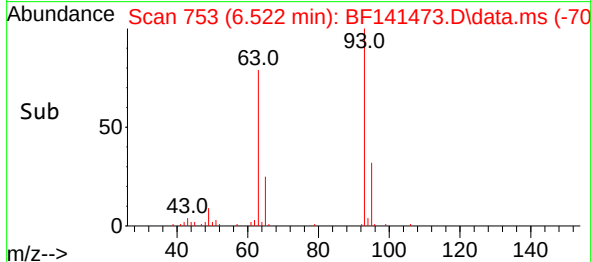
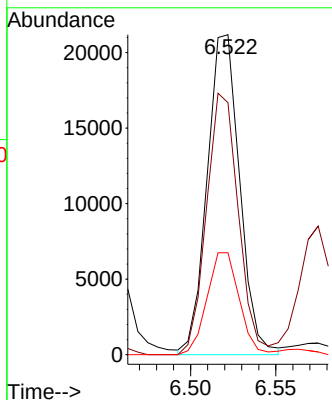
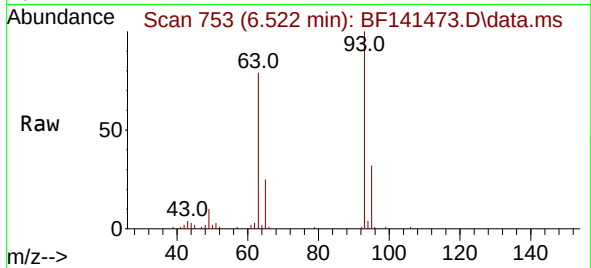


#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDIC005

Tgt Ion: 93 Resp: 28203

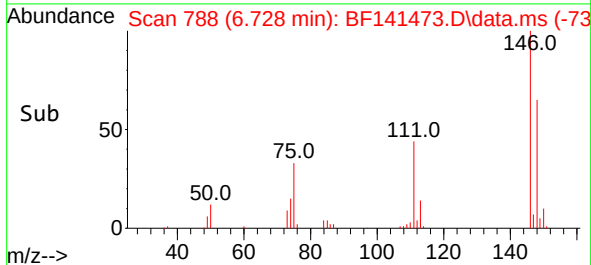
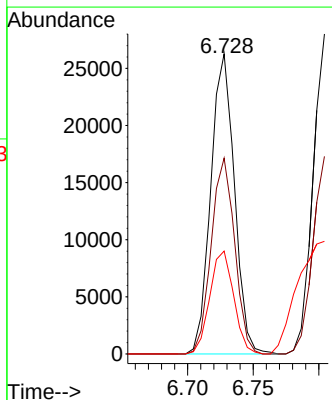
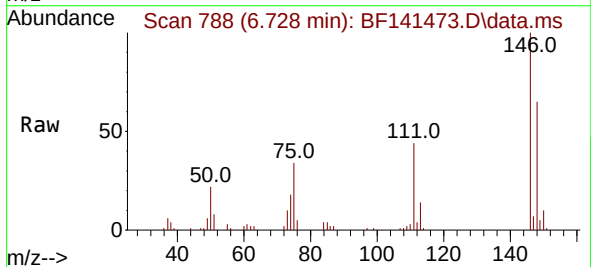
Ion	Ratio	Lower	Upper
93	100		
63	78.7	62.0	102.0
95	31.9	12.6	52.6

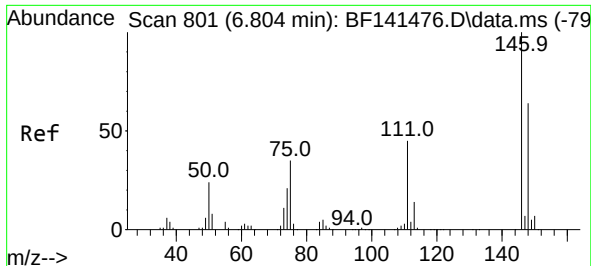


#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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 :

SSTDICC005

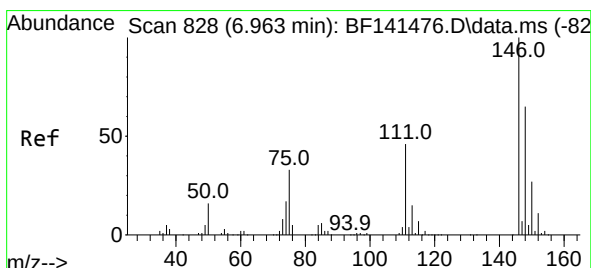
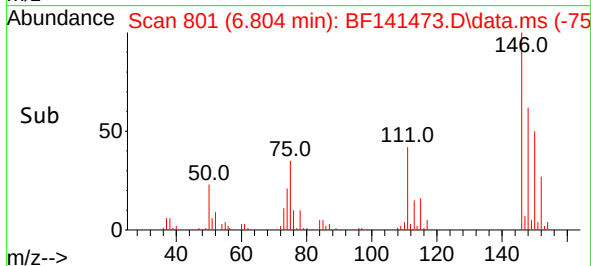
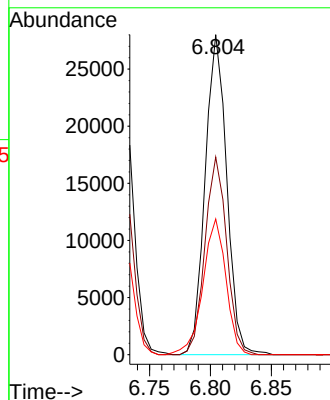
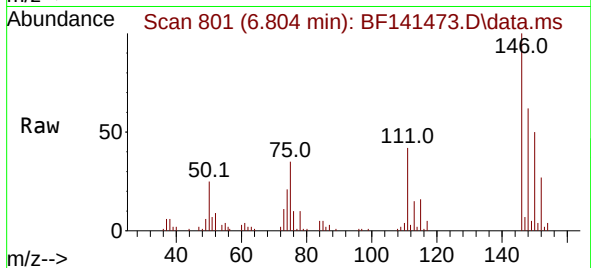
Tgt Ion:146 Resp: 34555

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

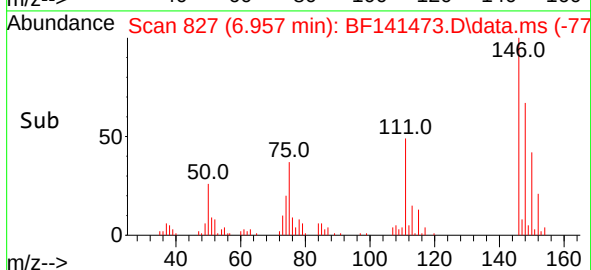
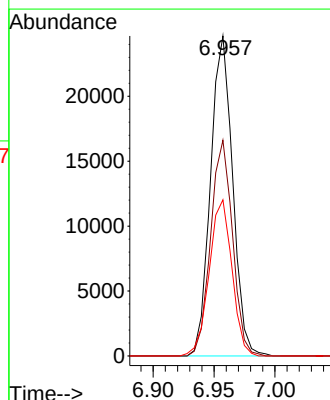
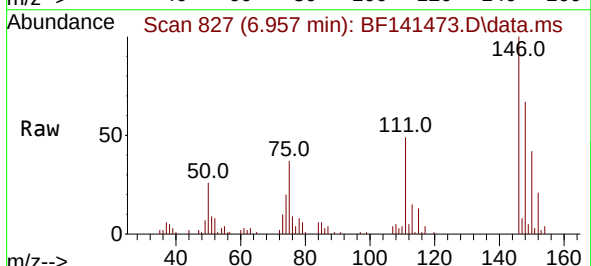
Tgt Ion:146 Resp: 31141

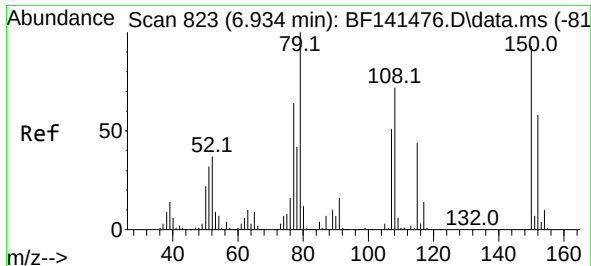
Ion Ratio Lower Upper

146 100

148 67.4 51.8 77.6

111 48.8 37.0 55.4

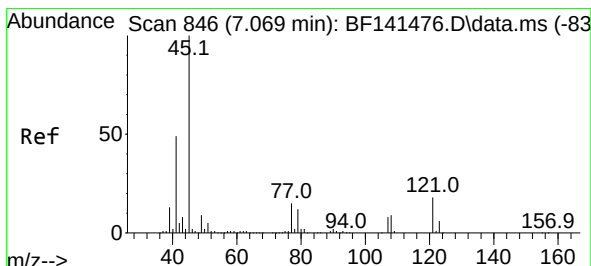
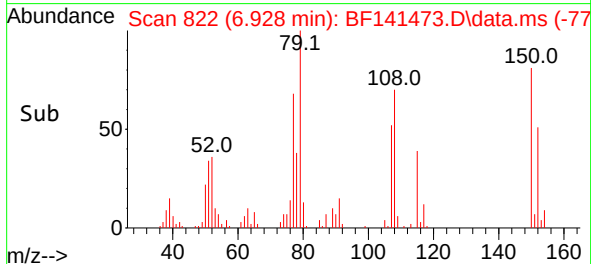
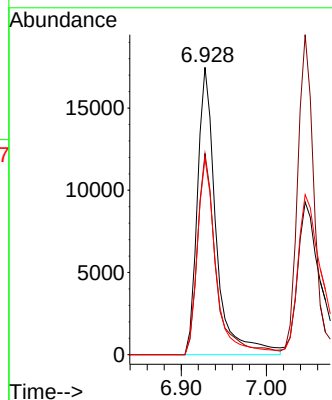
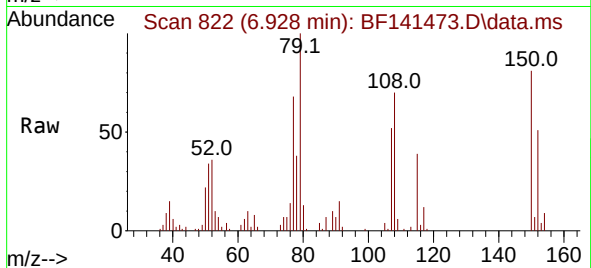




#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

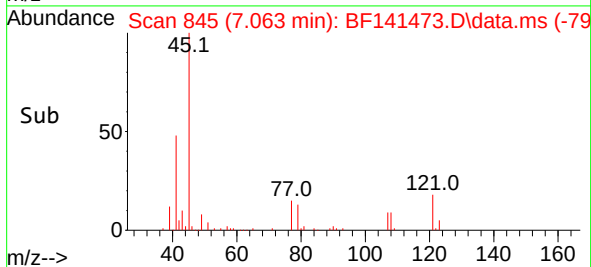
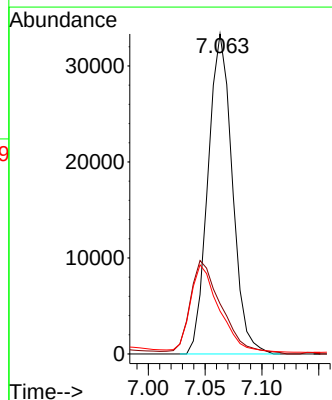
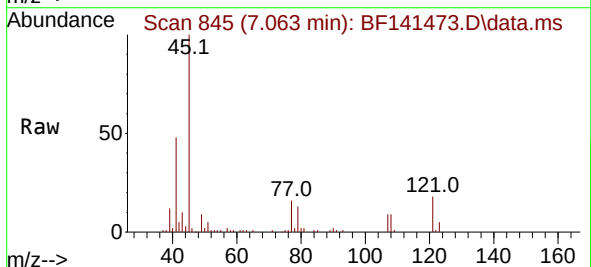
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

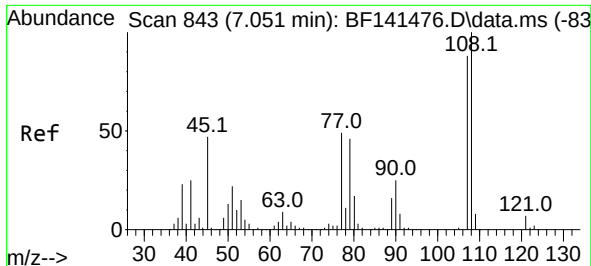
Tgt Ion: 79 Resp: 26612
Ion Ratio Lower Upper
79 100
108 70.0 57.4 86.2
77 68.2 50.9 76.3



#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

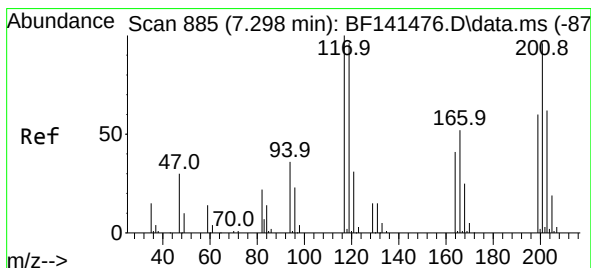
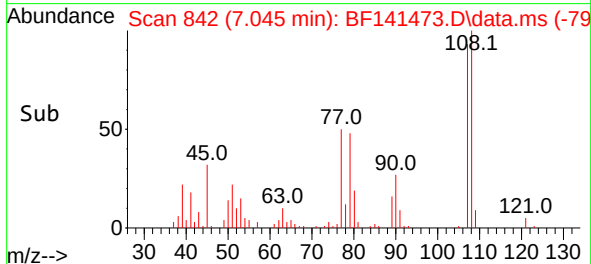
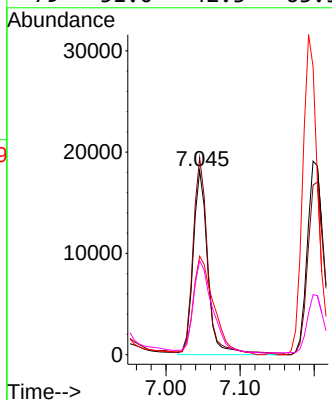
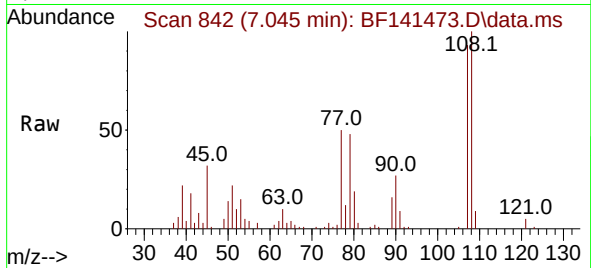




#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

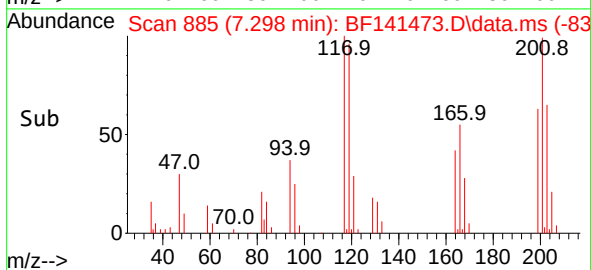
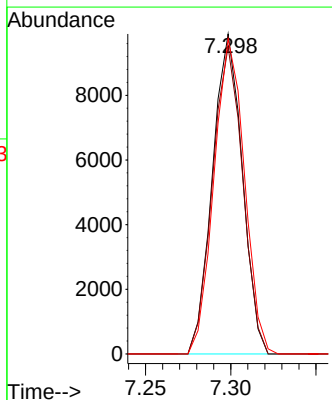
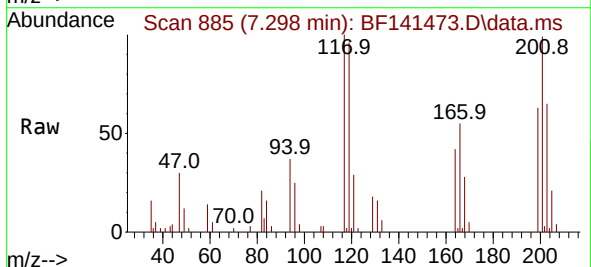
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

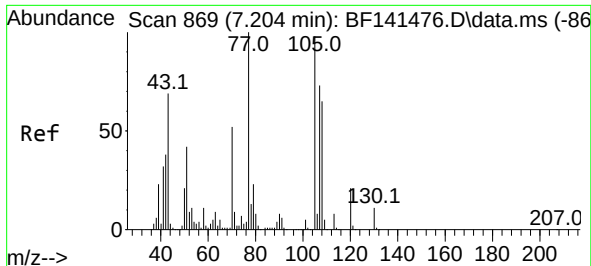
Tgt Ion:	107	Resp:	24939
Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.6	136.0
77	53.5	44.4	66.6
79	51.0	42.3	63.5



#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

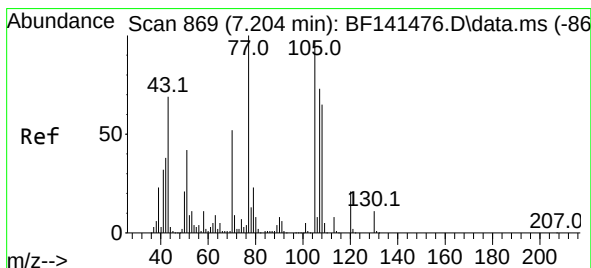
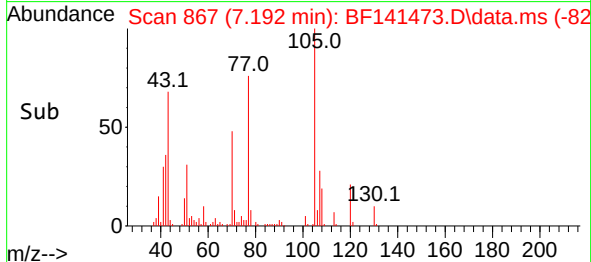
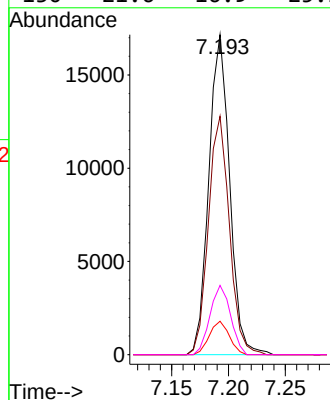
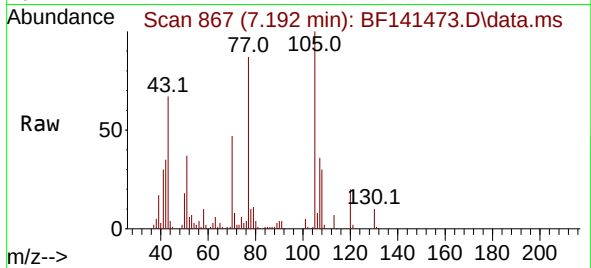




#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

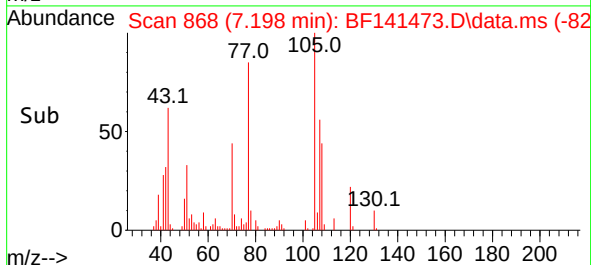
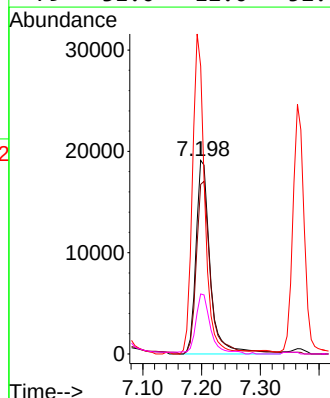
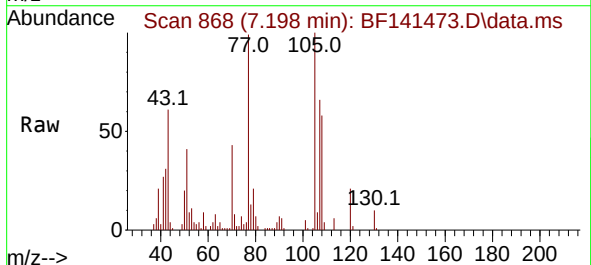
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

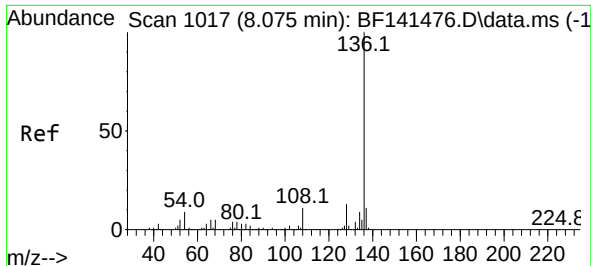
Tgt Ion:	70	Resp:	21865
Ion Ratio	Lower	Upper	
70	100		
42	74.5	57.4	86.2
101	10.5	8.0	12.0
130	21.6	16.9	25.3



#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

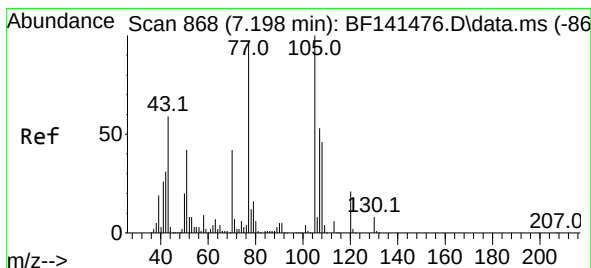
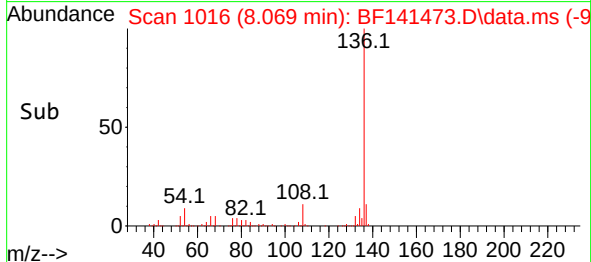
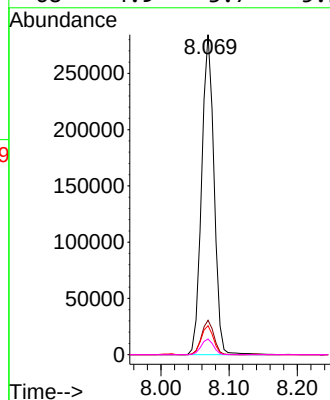
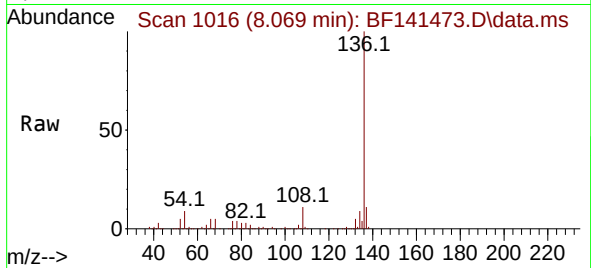




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

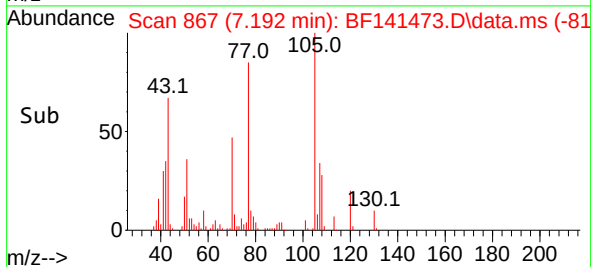
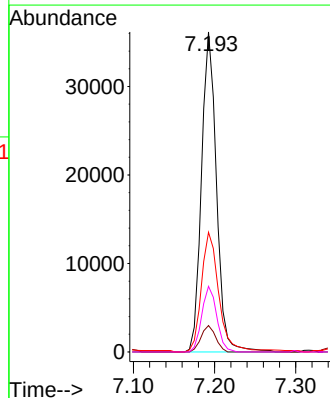
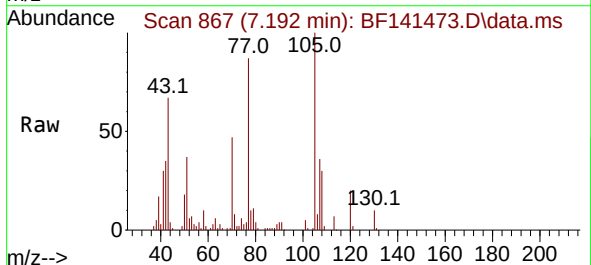
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

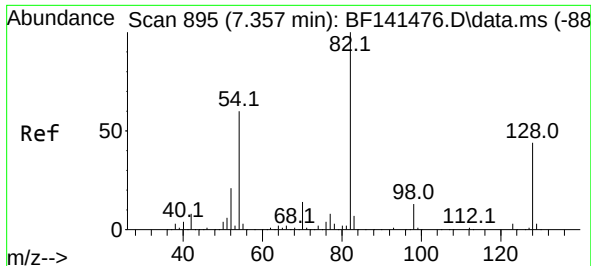
Tgt Ion:	136	Resp:	358966
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.9	3.7	5.5



#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# 895

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

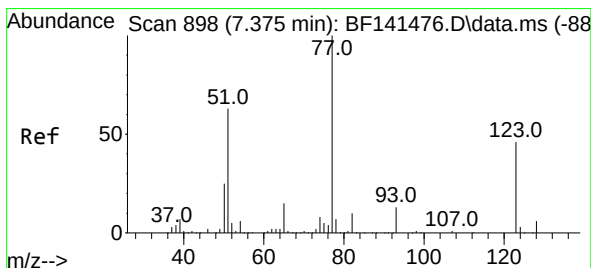
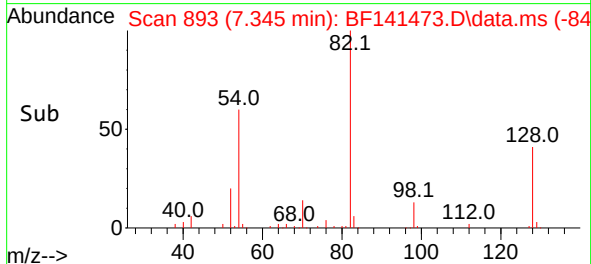
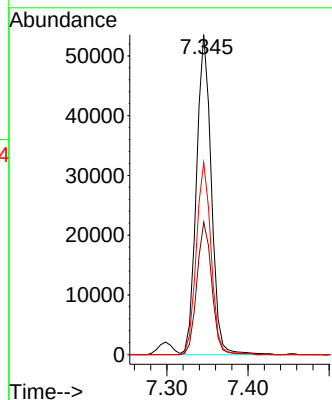
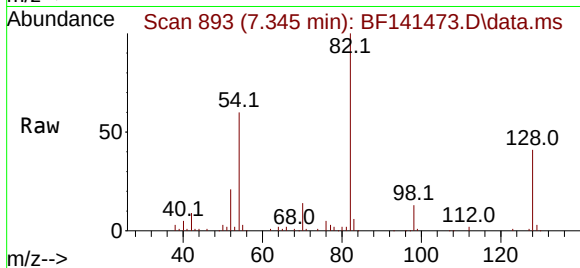
Tgt Ion: 82 Resp: 68257

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

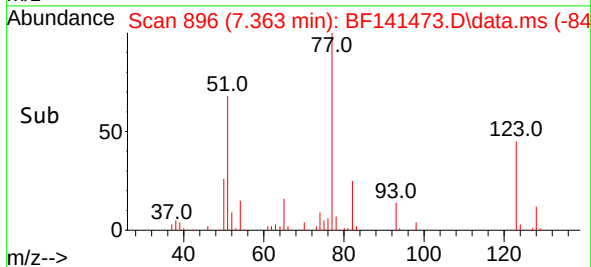
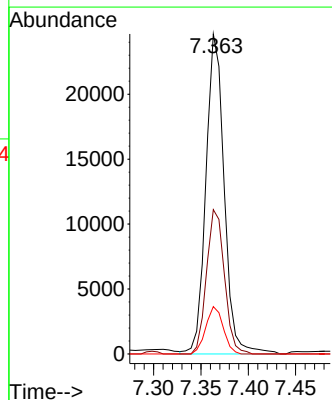
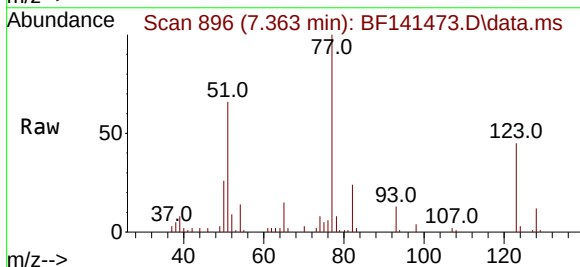
Tgt Ion: 77 Resp: 33173

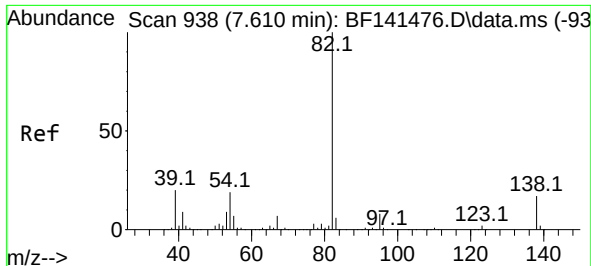
Ion Ratio Lower Upper

77 100

123 45.1 36.9 55.3

65 14.8 11.9 17.9

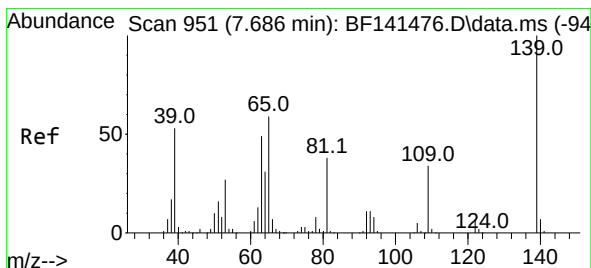
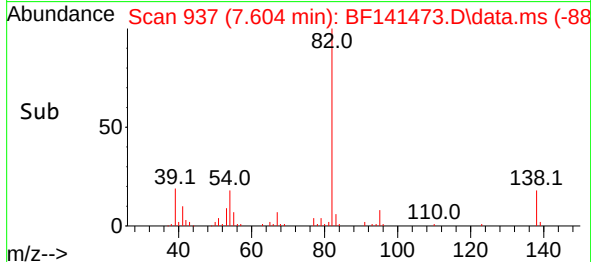
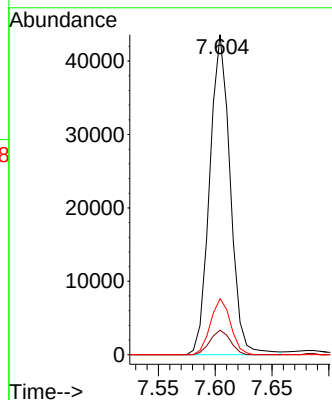
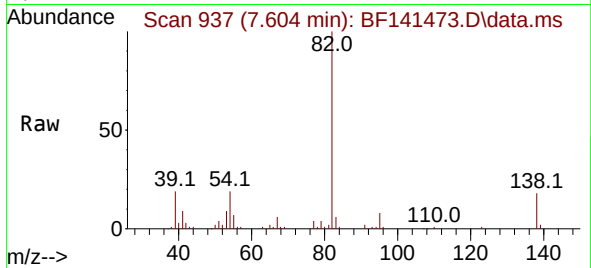




#25
Isophorone
Concen: 4.993 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

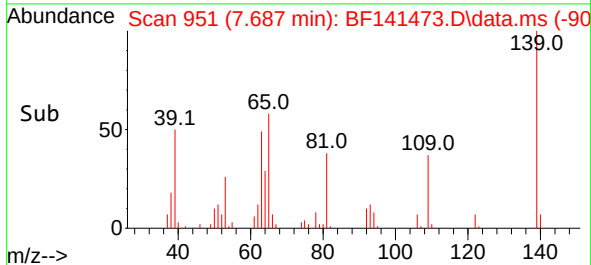
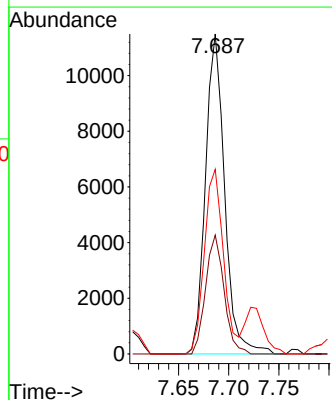
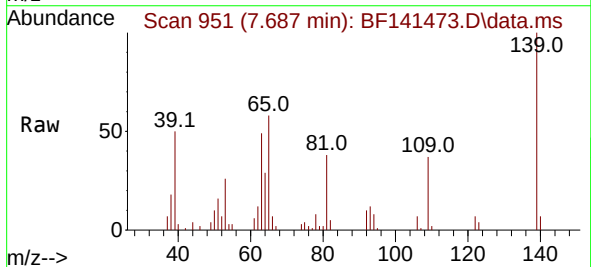
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

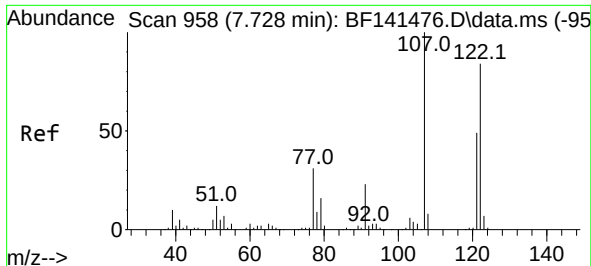
Tgt Ion: 82 Resp: 54796
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 17.5 13.9 20.9



#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

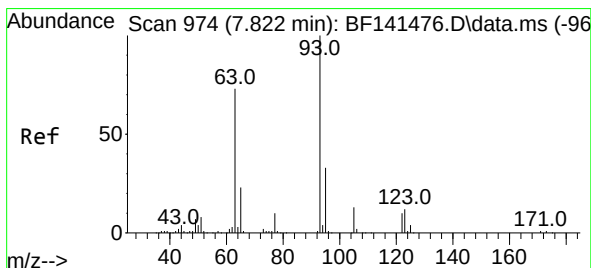
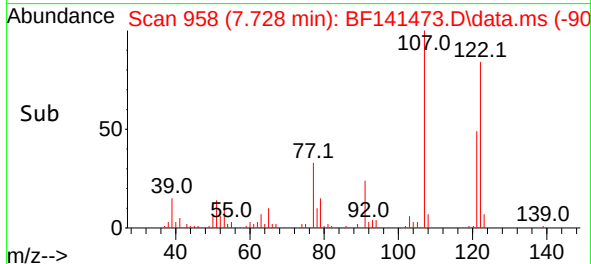
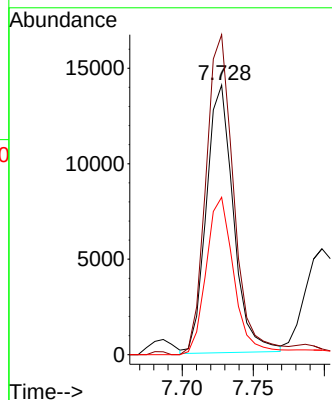
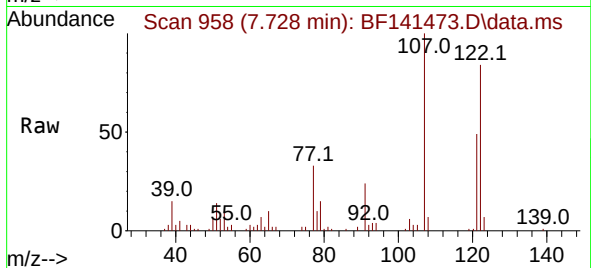




#27
2,4-Dimethylphenol
Concen: 4.784 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

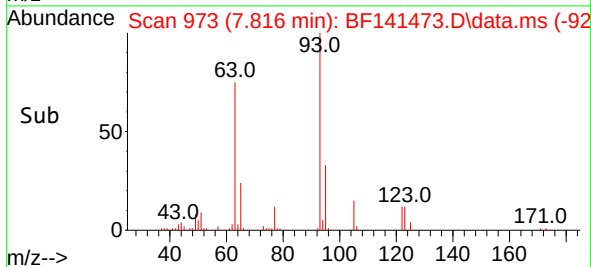
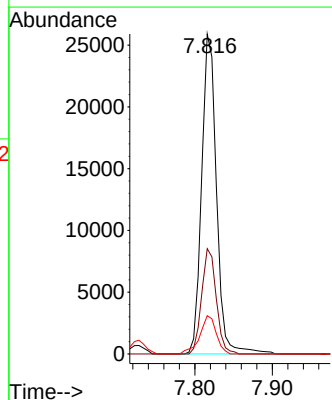
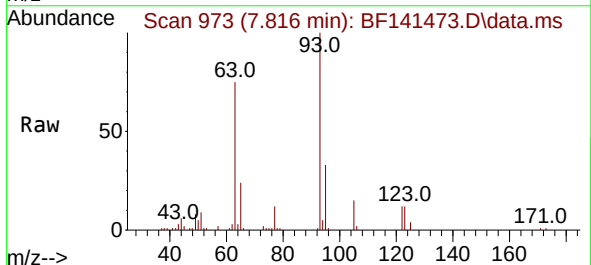
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

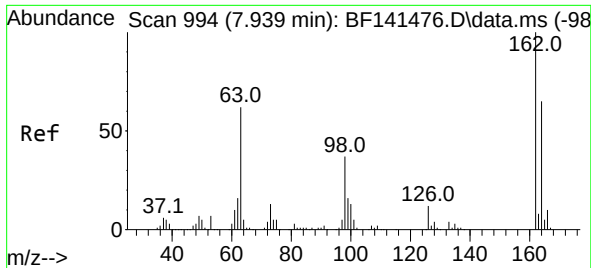
Tgt Ion:	122	Resp:	18659
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.4	46.0	69.0



#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

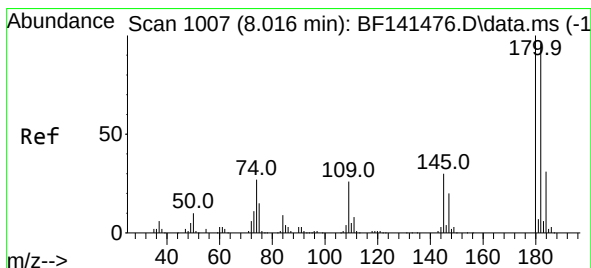
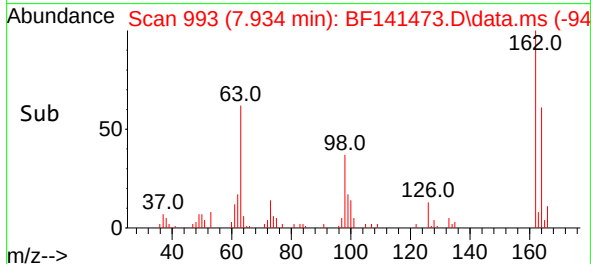
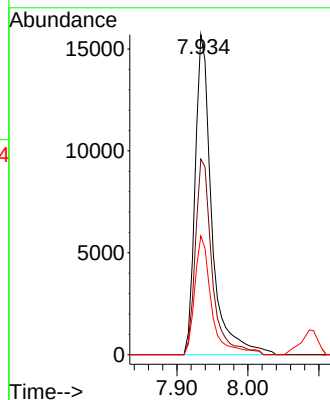
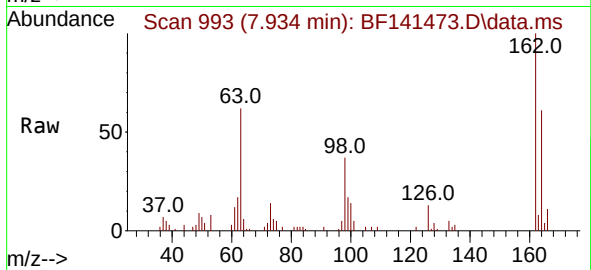




#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

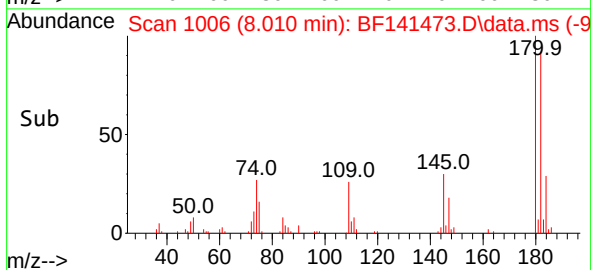
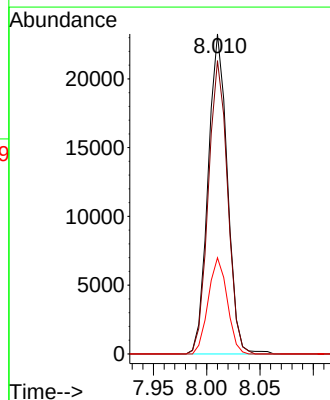
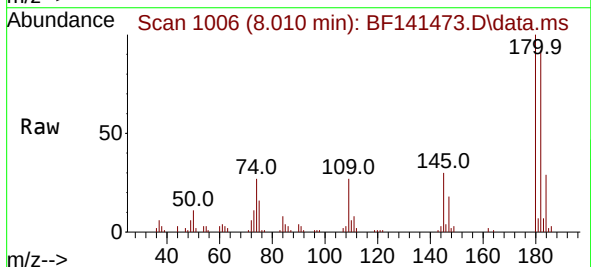
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

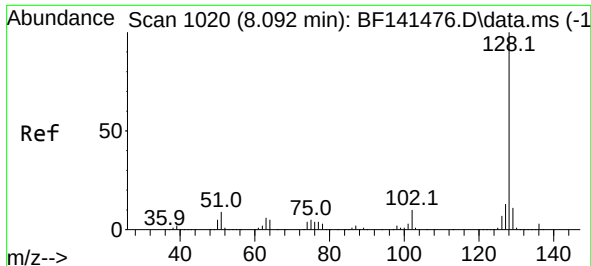
Tgt Ion:162	Resp:	25667
Ion	Ratio	Lower Upper
162	100	
164	61.1	44.6 84.6
98	37.1	17.2 57.2



#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

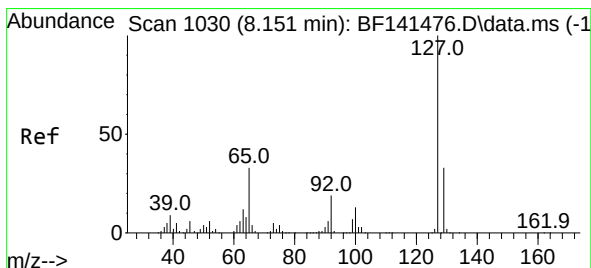
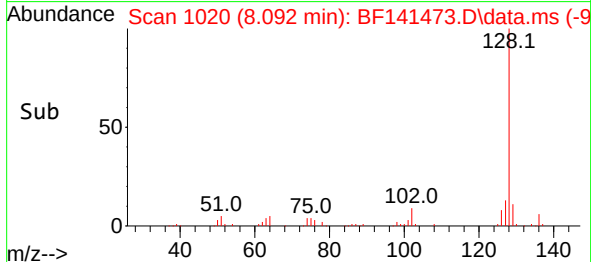
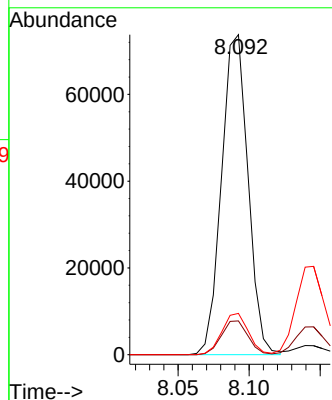
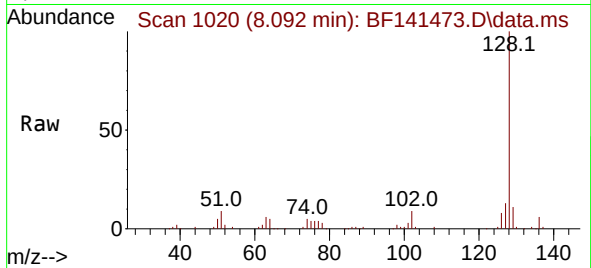




#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

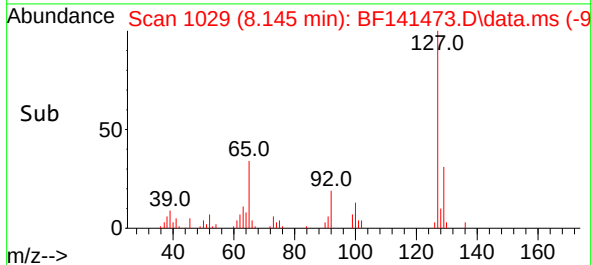
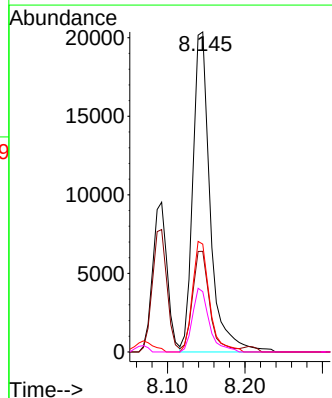
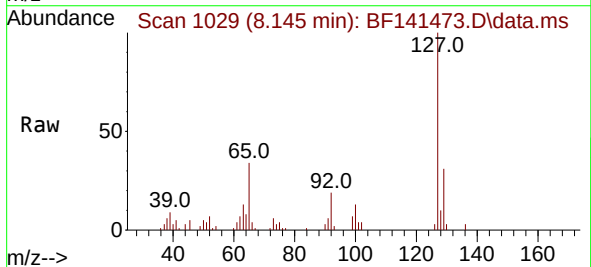
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

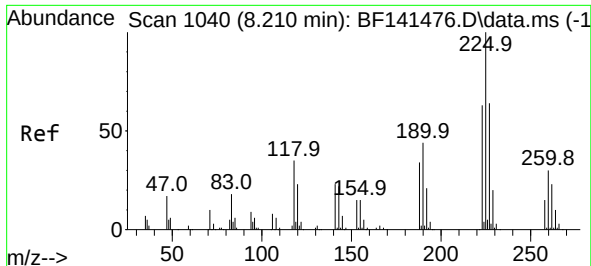
Tgt Ion:	128	Resp:	95730
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.9	10.7	16.1



#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

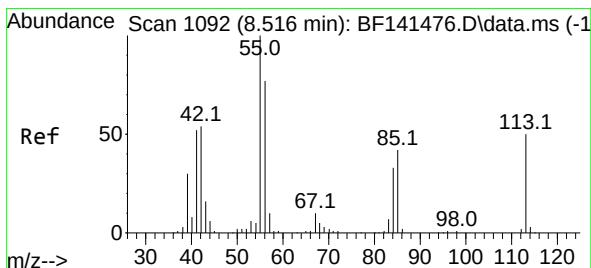
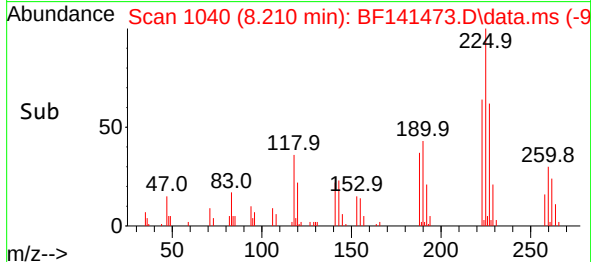
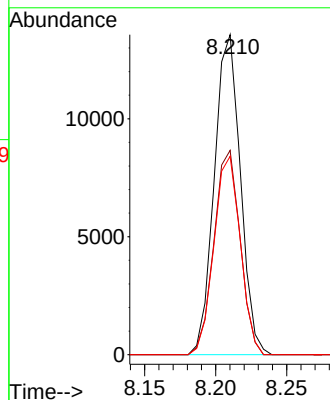
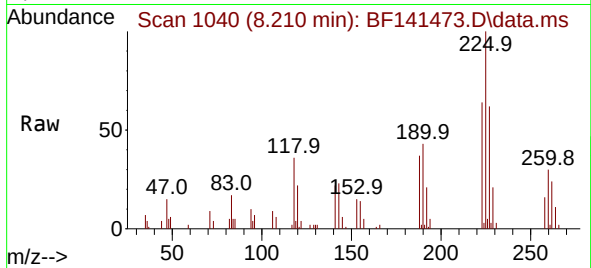




#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

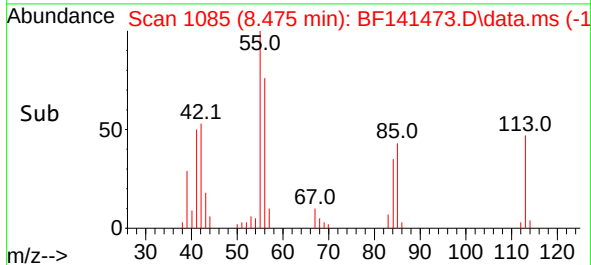
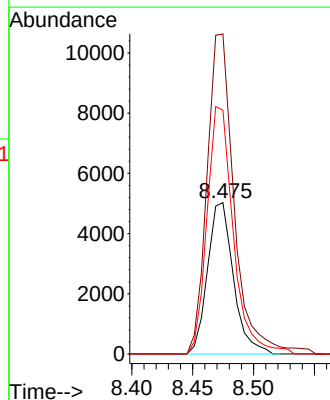
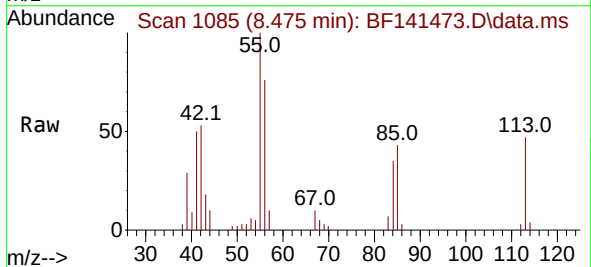
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

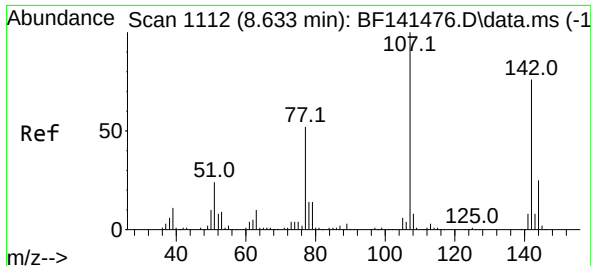
Tgt Ion:225 Resp: 17323
Ion Ratio Lower Upper
225 100
223 63.9 50.1 75.1
227 62.0 51.0 76.6



#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

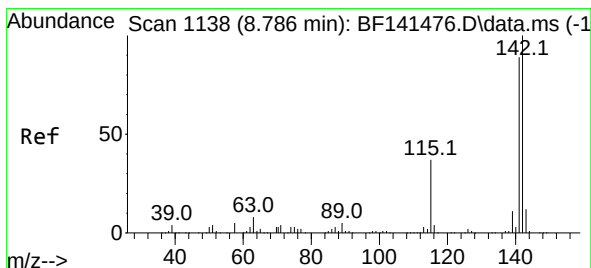
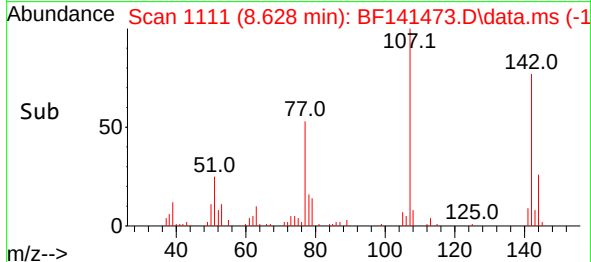
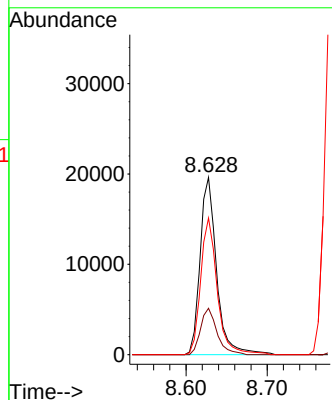
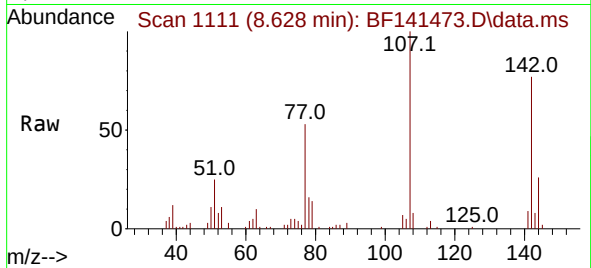




#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

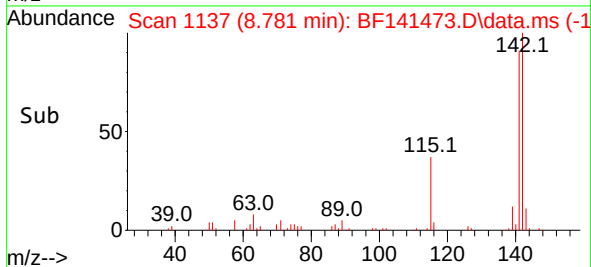
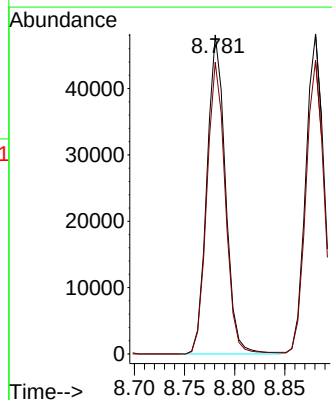
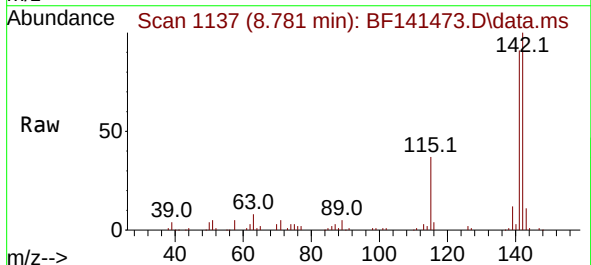
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

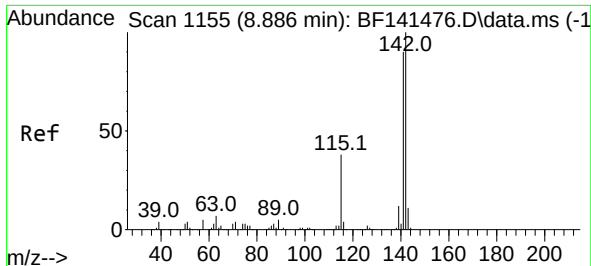
Tgt Ion:107 Resp: 27818
Ion Ratio Lower Upper
107 100
144 26.2 19.7 29.5
142 77.1 60.8 91.2



#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

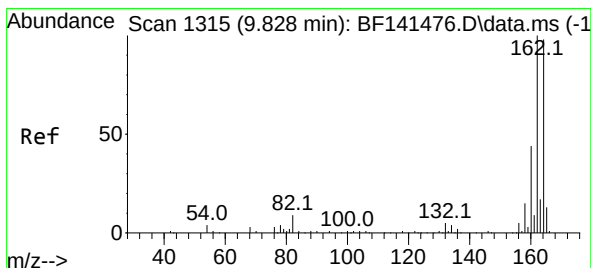
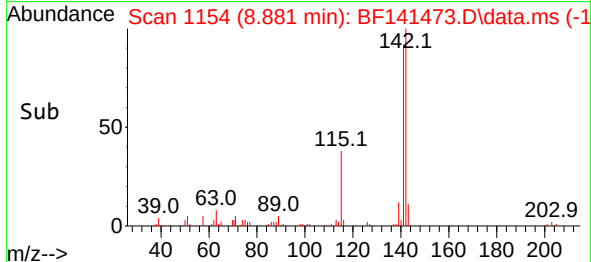
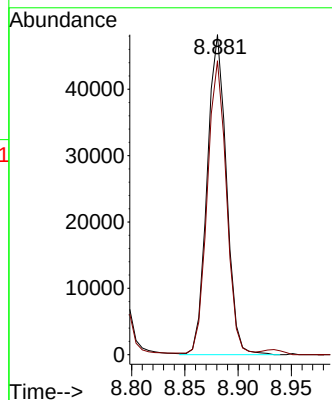
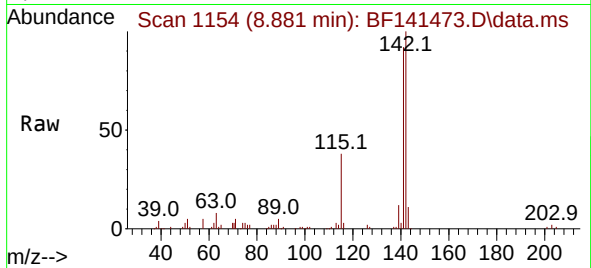




#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

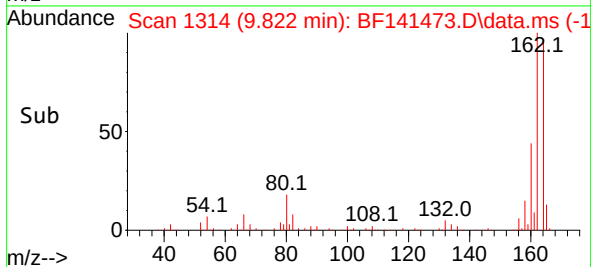
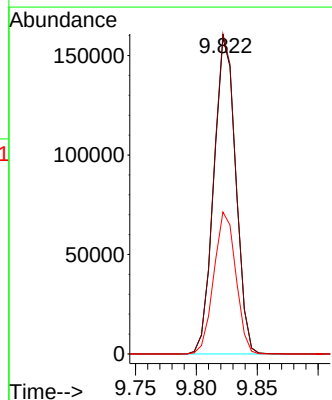
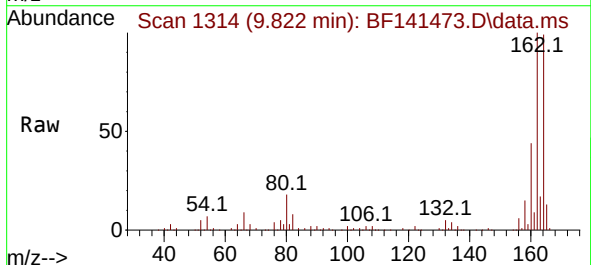
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

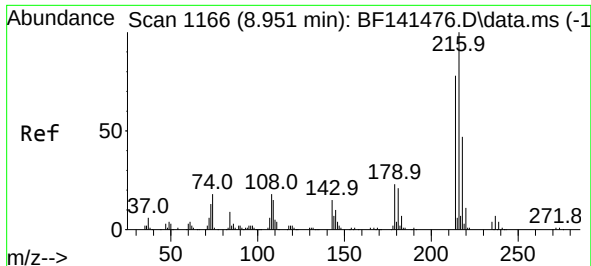
Tgt Ion:142 Resp: 61026
Ion Ratio Lower Upper
142 100
141 91.9 72.1 108.1



#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

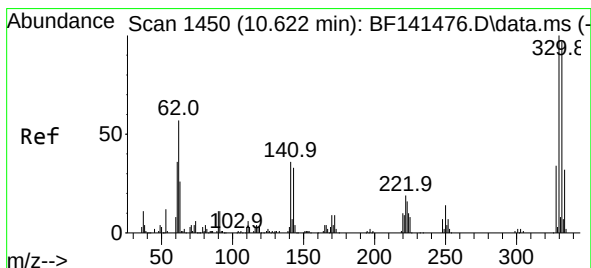
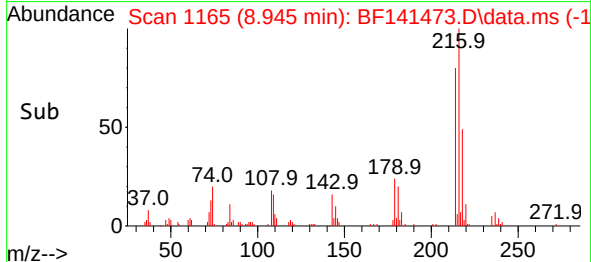
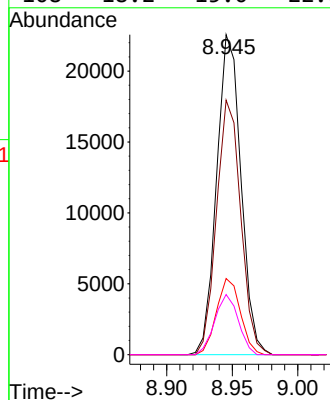
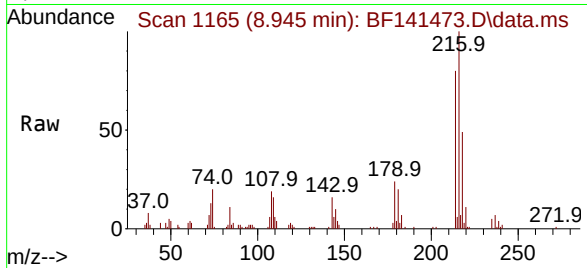




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

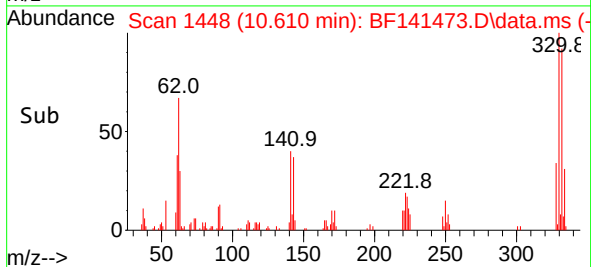
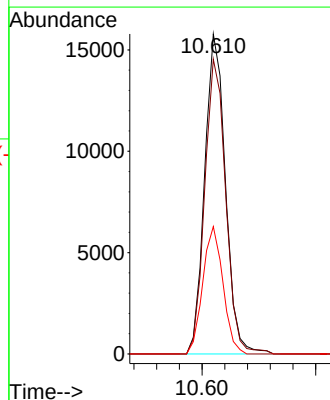
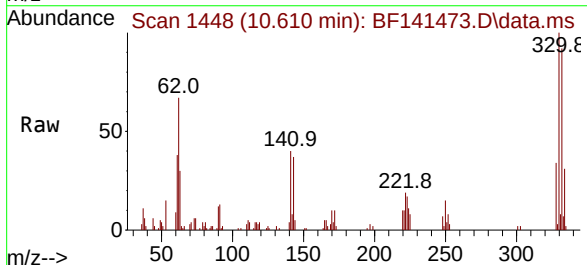
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

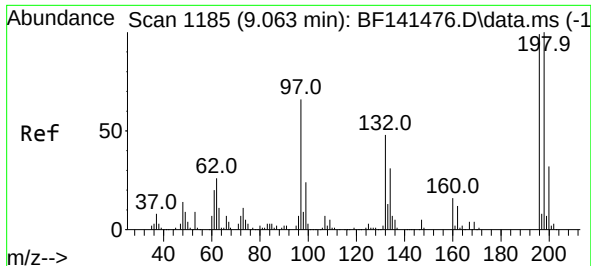
Tgt Ion:	216	Resp:	29023
Ion Ratio	Lower	Upper	
216	100		
214	79.2	62.3	93.5
179	23.4	18.0	27.0
108	18.2	15.0	22.6



#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

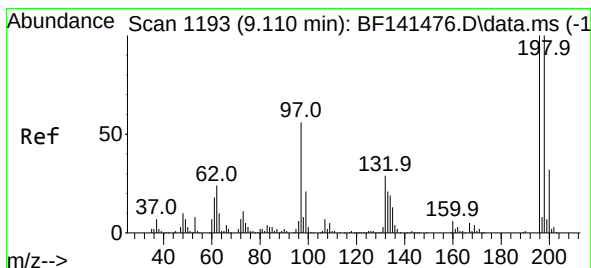
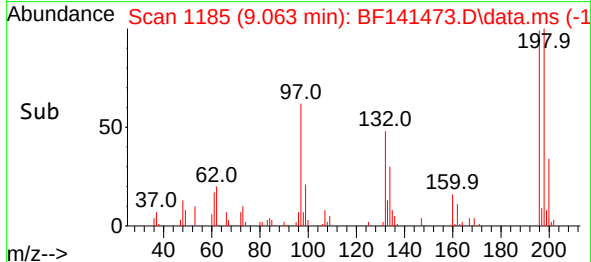
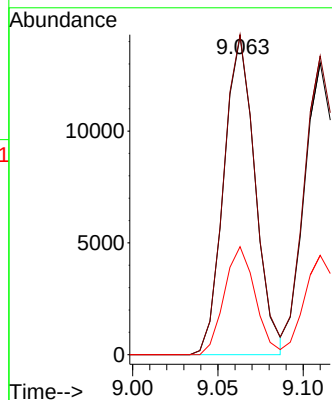
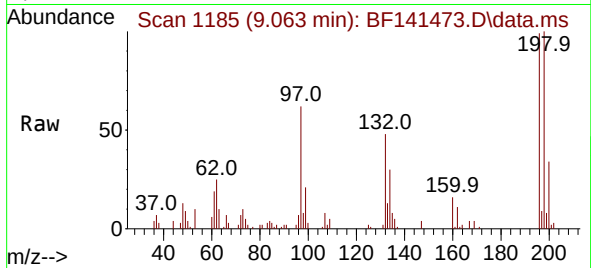




#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

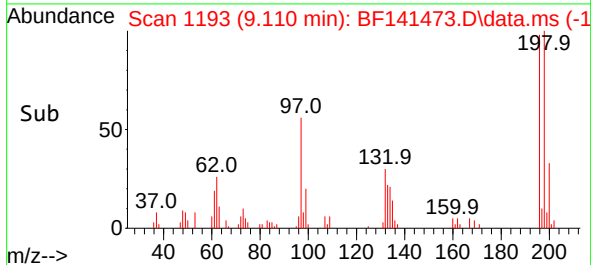
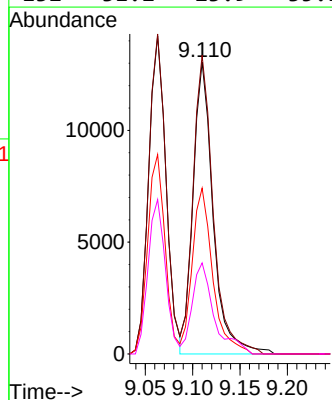
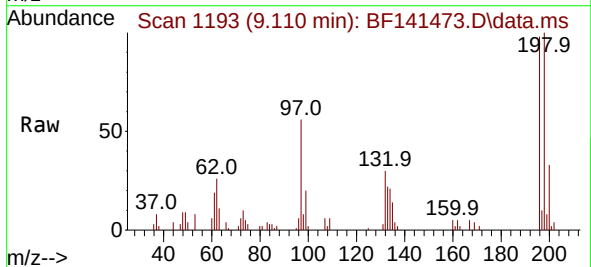
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

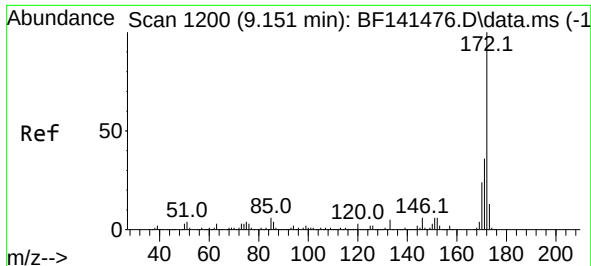
Tgt Ion:196 Resp: 18144
Ion Ratio Lower Upper
196 100
198 100.6 80.6 121.0
200 34.0 25.5 38.3



#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

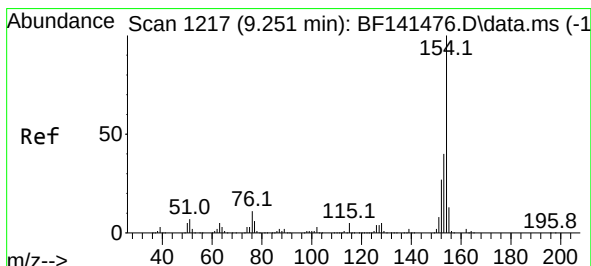
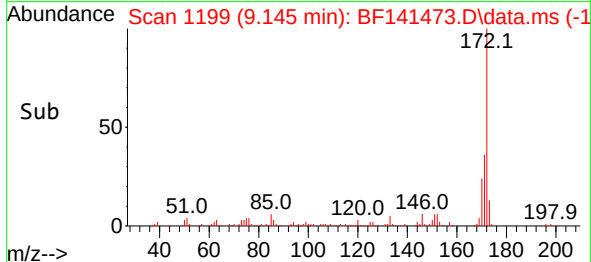
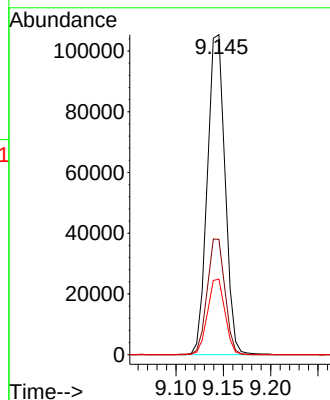
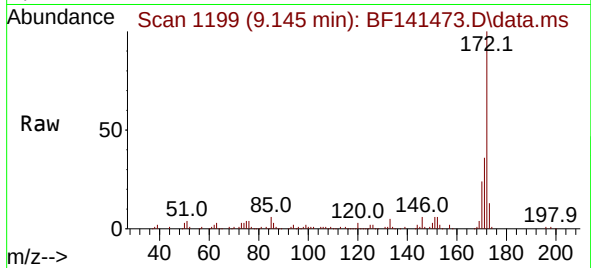




#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

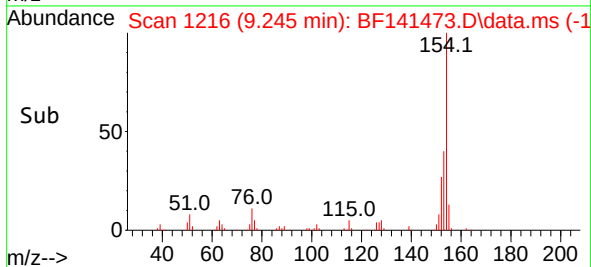
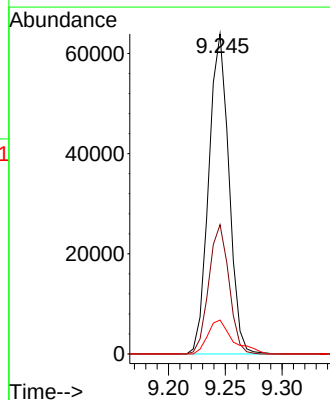
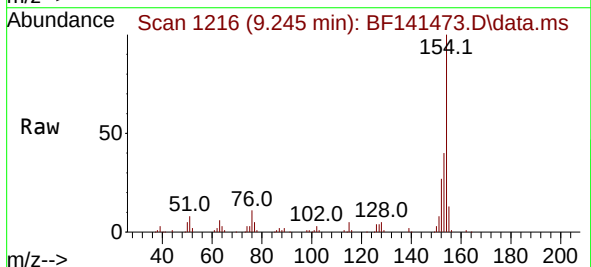
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

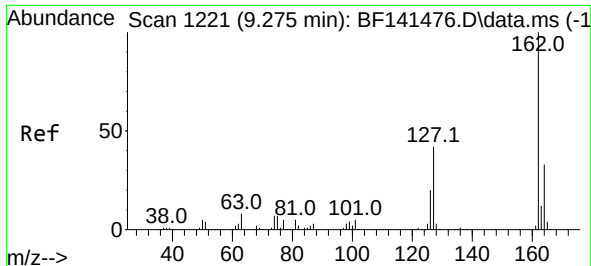
Tgt Ion:172 Resp: 136925
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.6 18.9 28.3



#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

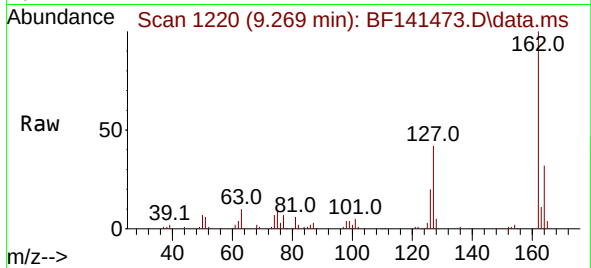
Tgt Ion:154 Resp: 78931
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 10.6 0.0 30.8



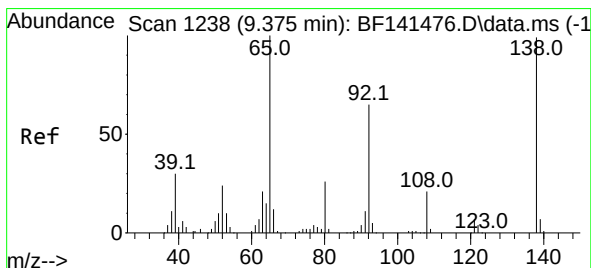
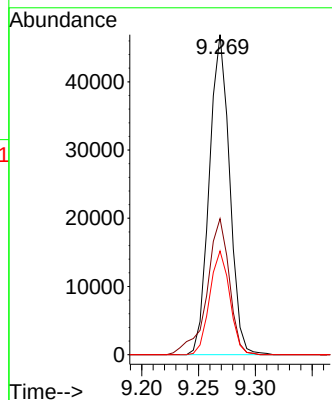
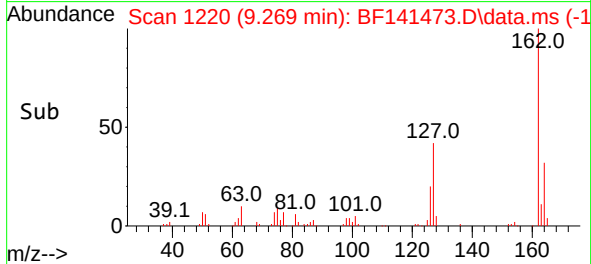


#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

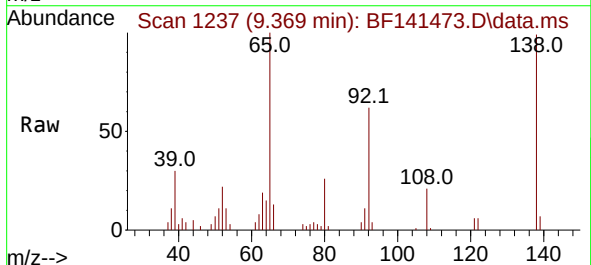
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



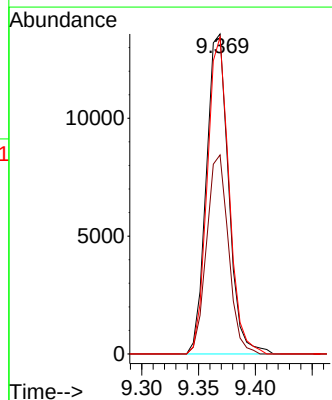
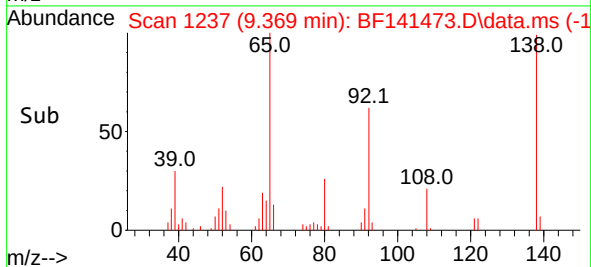
Tgt Ion:162 Resp: 58201
Ion Ratio Lower Upper
162 100
127 42.5 34.1 51.1
164 32.4 26.3 39.5

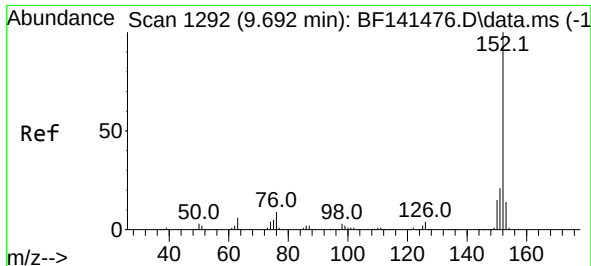


#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34



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

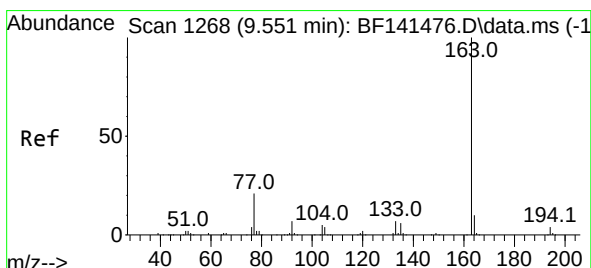
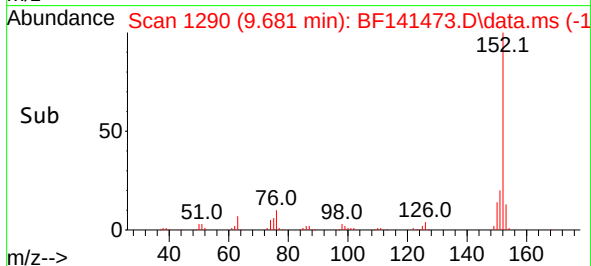
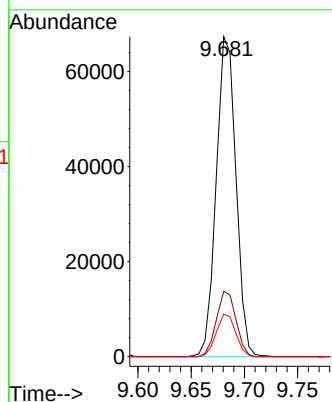
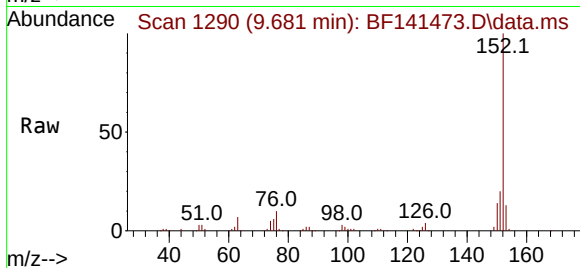
Tgt Ion:152 Resp: 86721

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

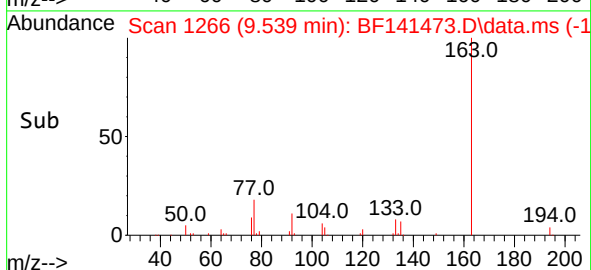
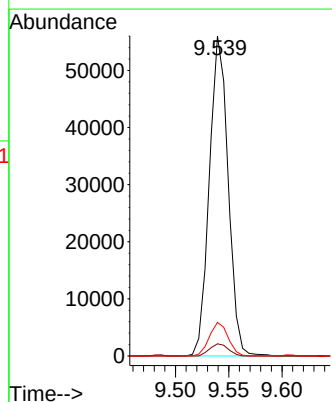
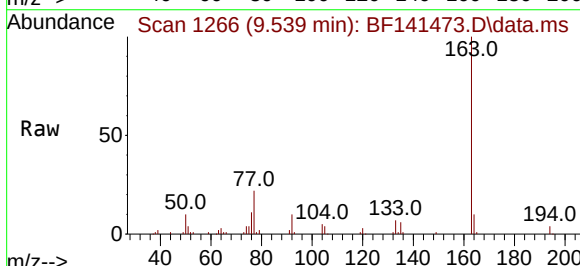
Tgt Ion:163 Resp: 68921

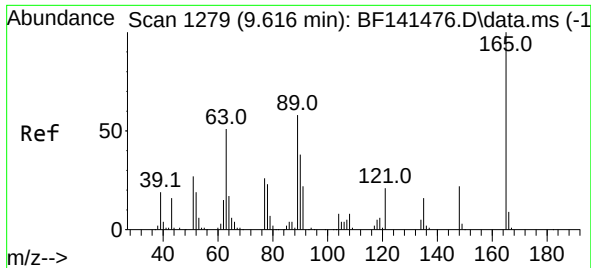
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.5 7.9 11.9

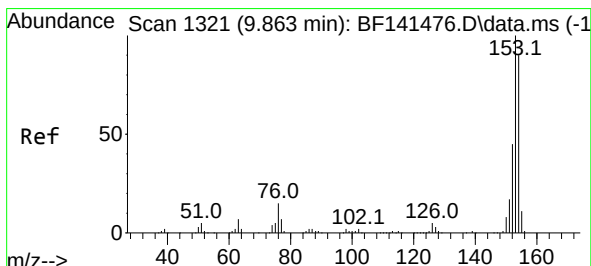
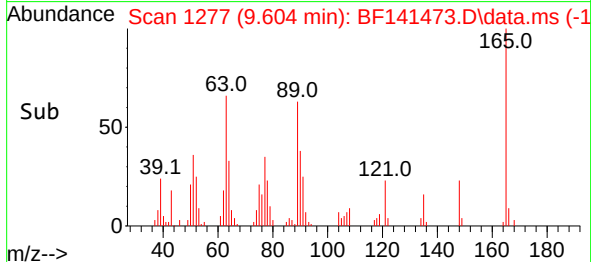
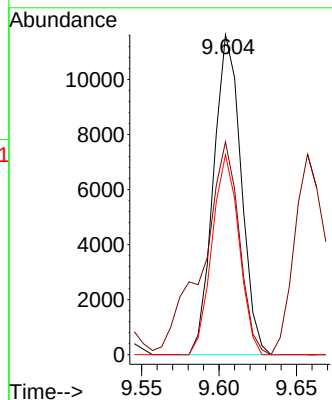
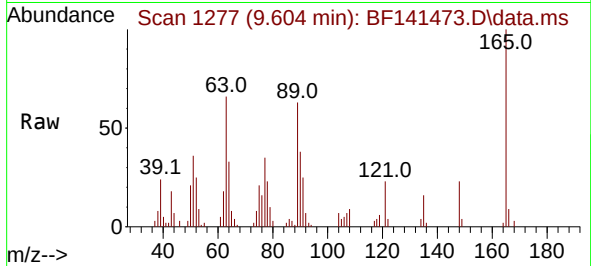




#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

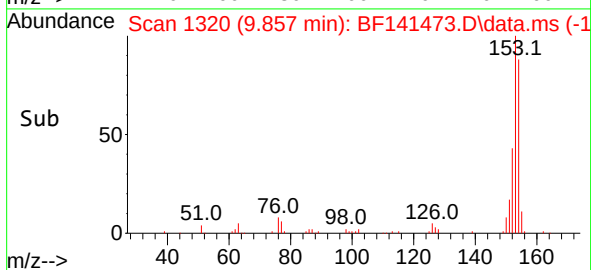
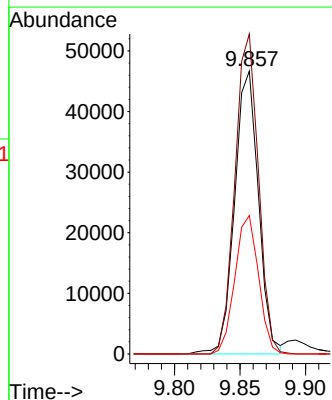
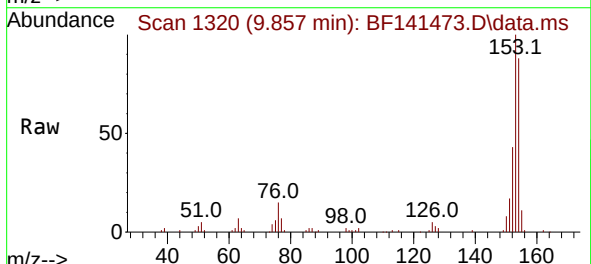
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

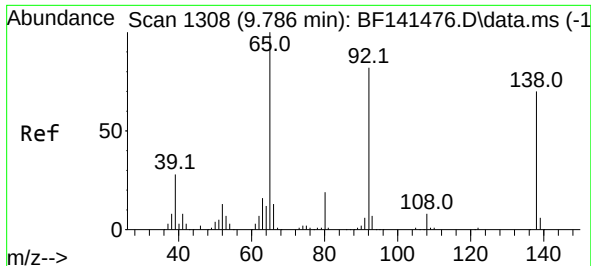
Tgt Ion:165 Resp: 14394
Ion Ratio Lower Upper
165 100
63 66.5 49.4 74.0
89 62.5 46.5 69.7



#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

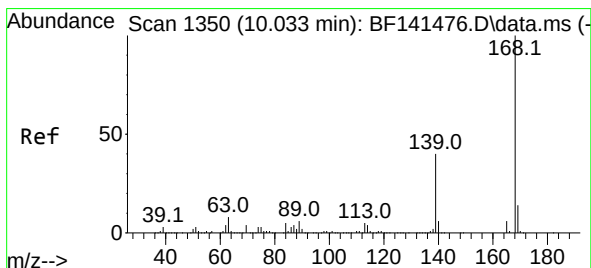
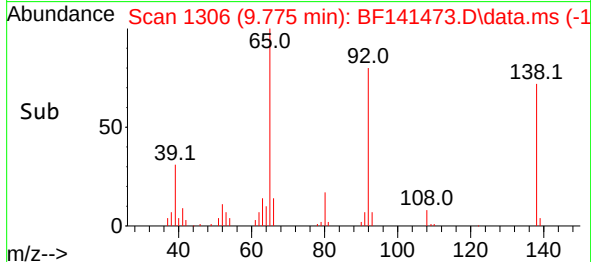
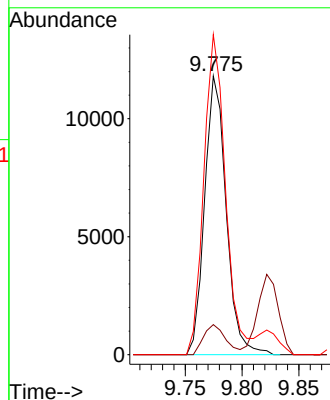
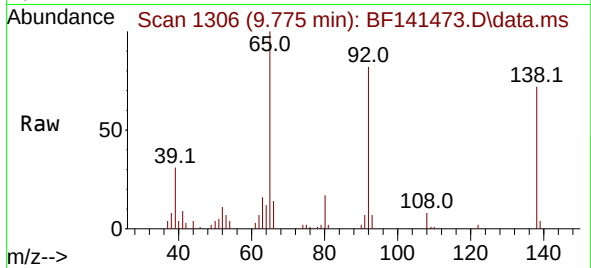




#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

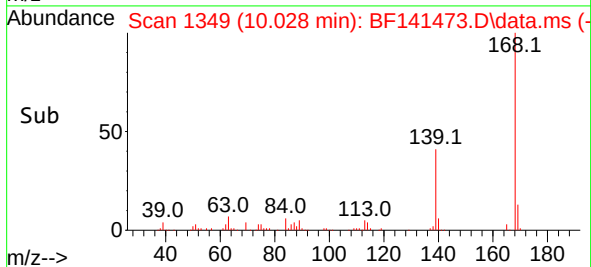
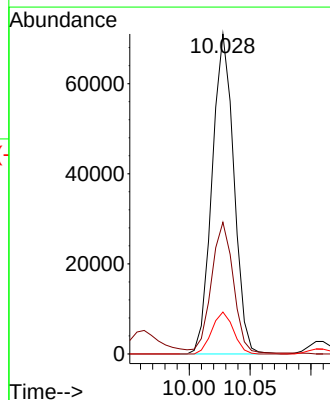
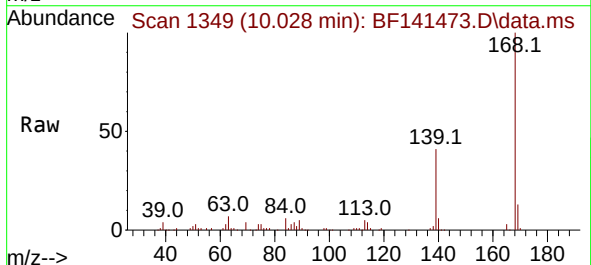
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

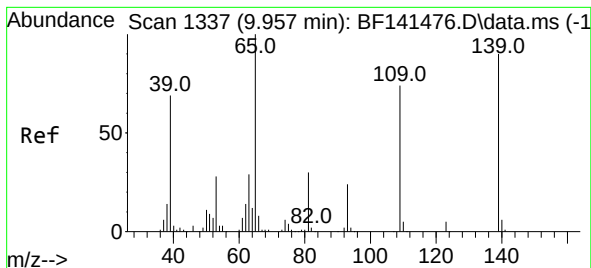
Tgt Ion:138 Resp: 15563
Ion Ratio Lower Upper
138 100
108 10.8 9.0 13.4
92 114.8 93.7 140.5



#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

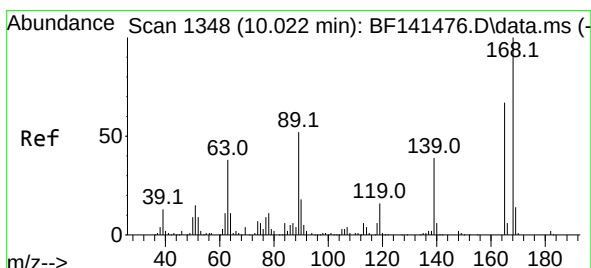
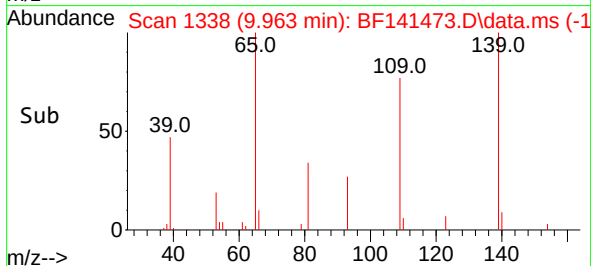
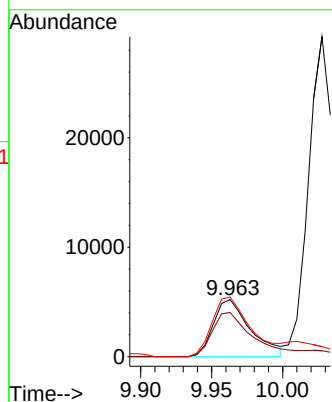
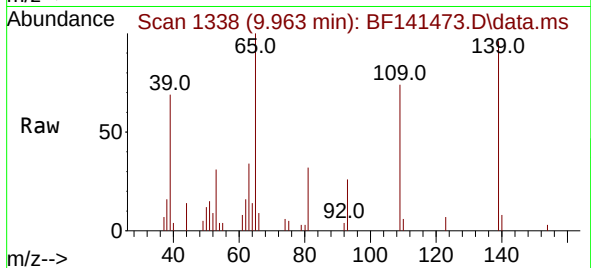




#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

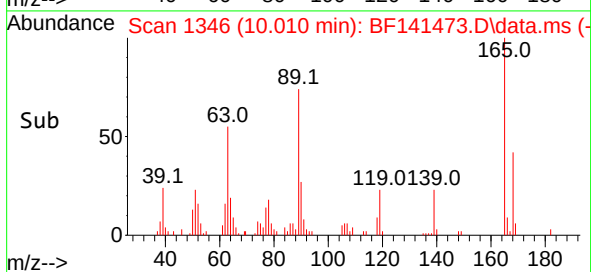
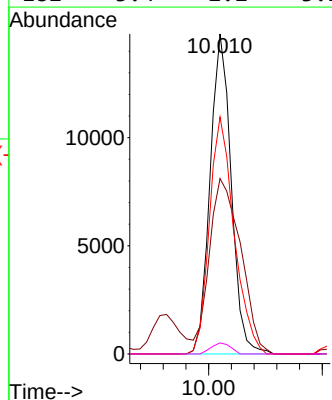
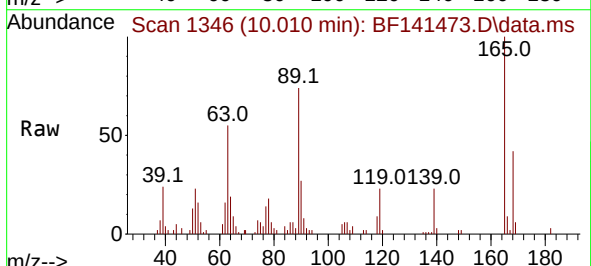
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

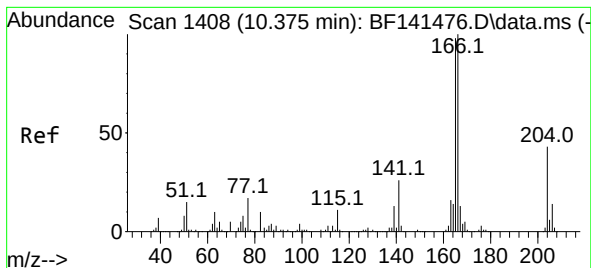
Tgt Ion:139 Resp: 9482
Ion Ratio Lower Upper
139 100
109 77.2 62.0 102.0
65 104.4 91.2 131.2



#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

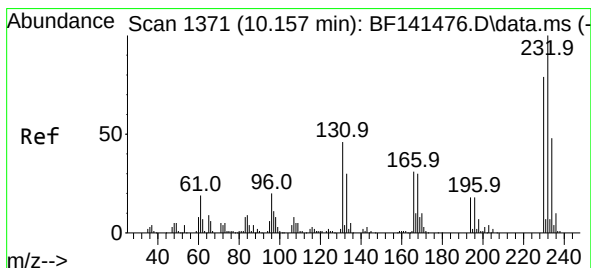
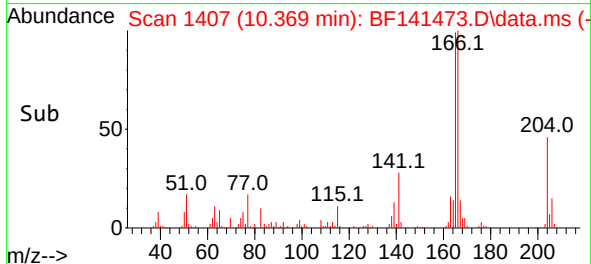
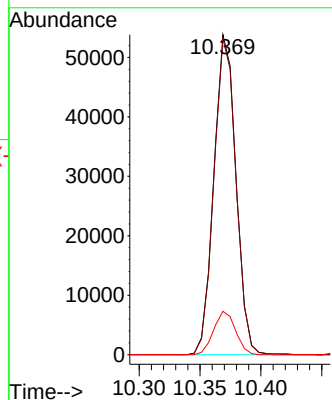
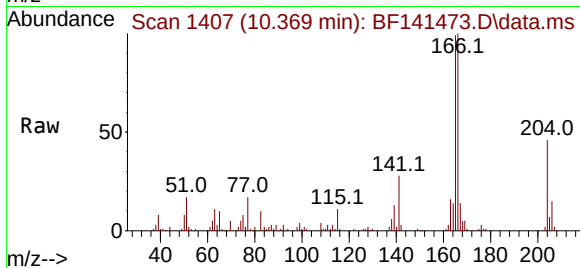
Tgt Ion:166 Resp: 67764

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

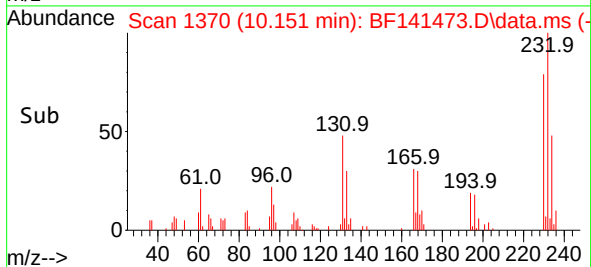
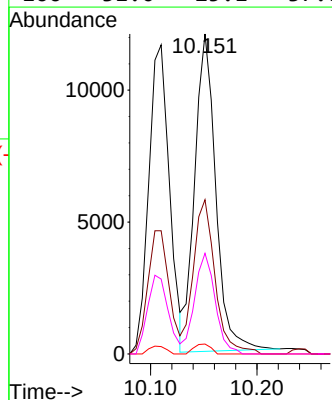
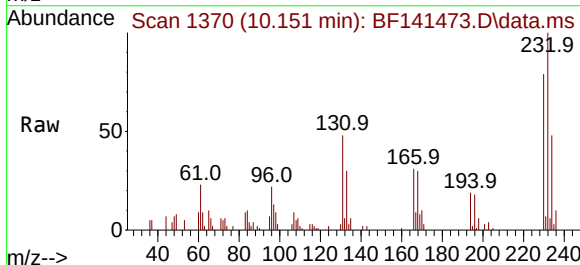
Ion Ratio Lower Upper

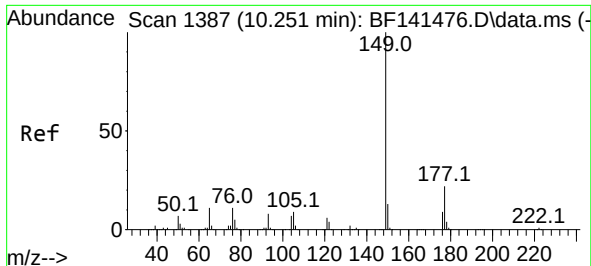
232 100

131 50.2 39.2 58.8

130 2.5 2.1 3.1

166 31.0 25.1 37.7

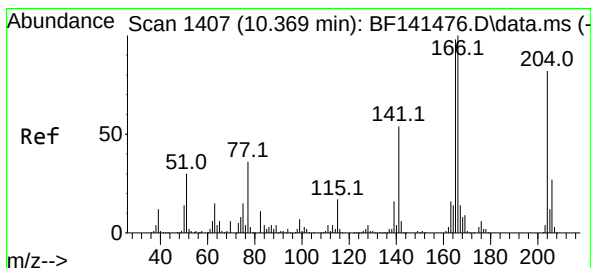
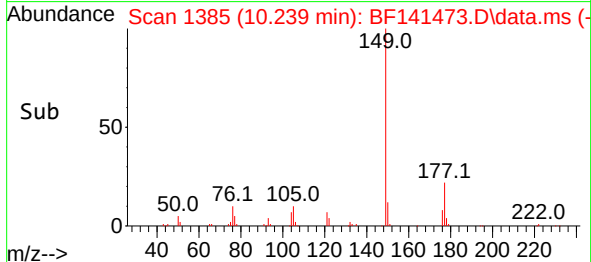
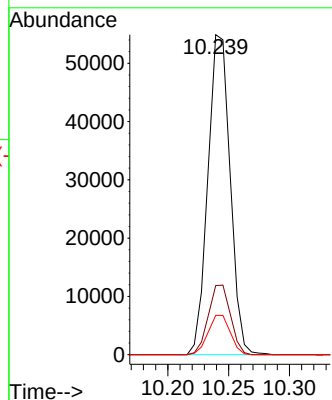
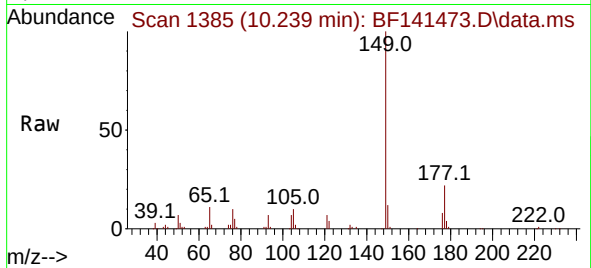




#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

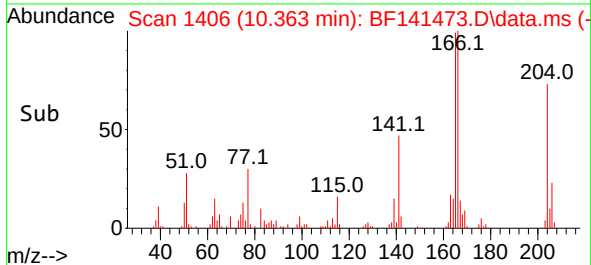
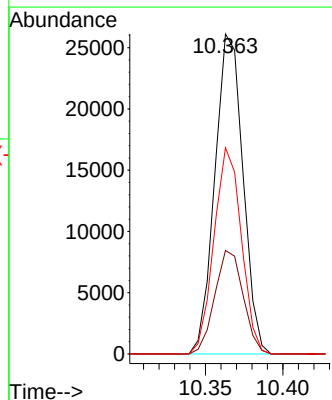
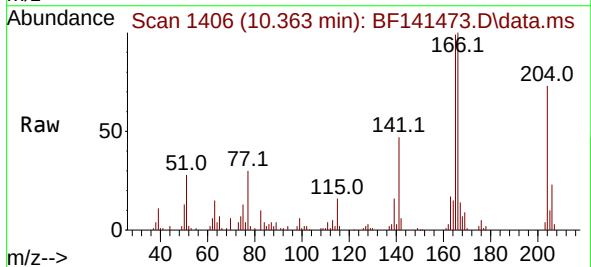
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

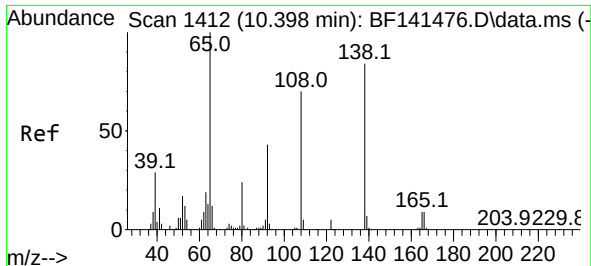
Tgt Ion:149 Resp: 69845
Ion Ratio Lower Upper
149 100
177 21.6 17.8 26.6
150 12.3 10.1 15.1



#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

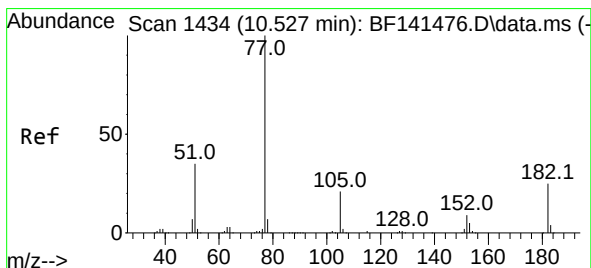
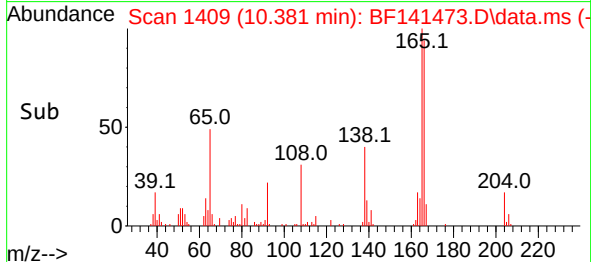
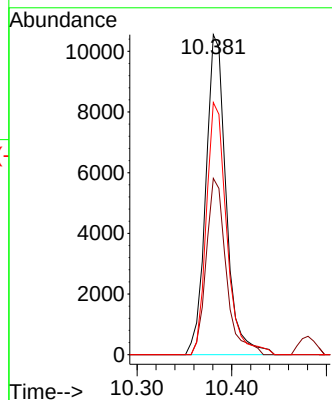
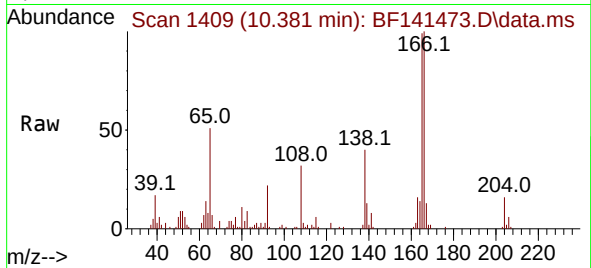




#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 1412
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

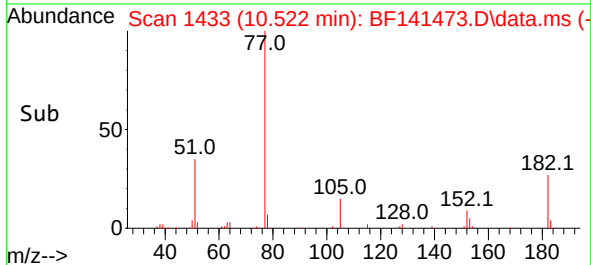
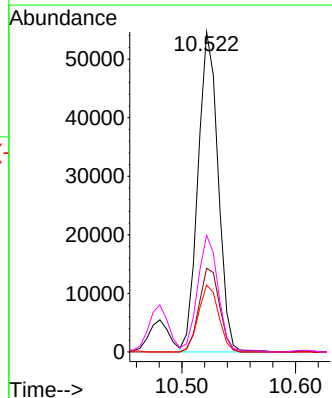
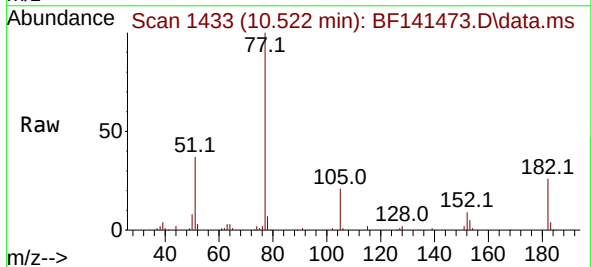
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

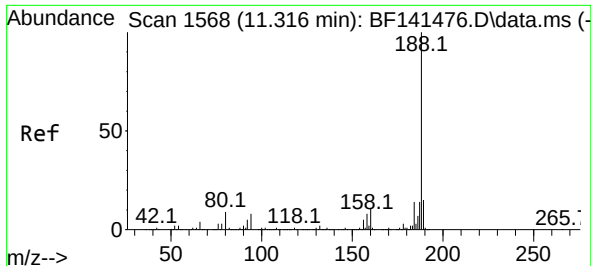
Tgt Ion:138 Resp: 15711
Ion Ratio Lower Upper
138 100
92 55.1 31.3 71.3
108 78.8 63.7 103.7



#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: 77 Resp: 67256
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

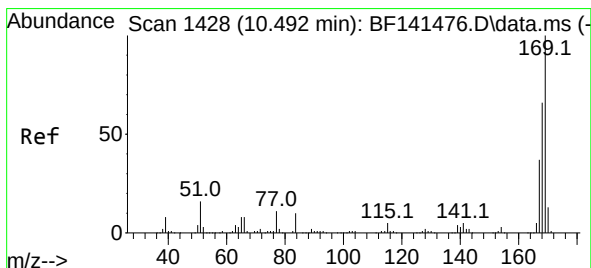
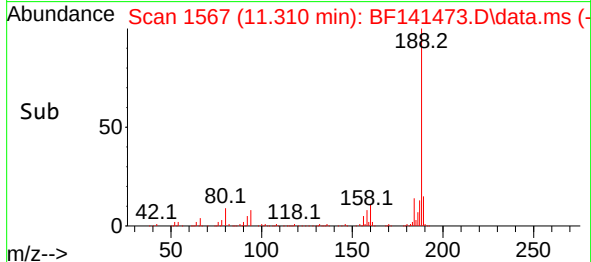
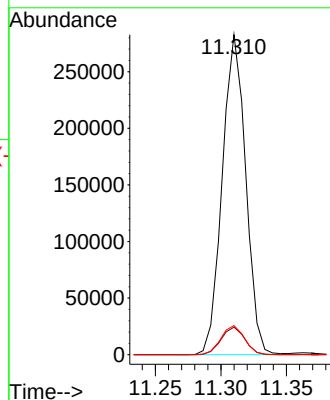
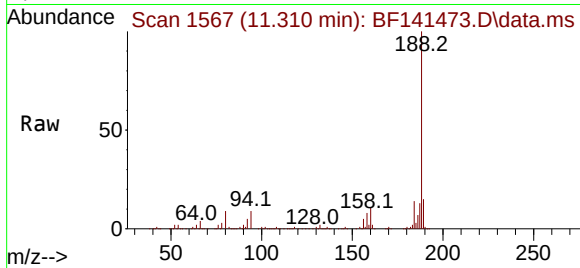




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

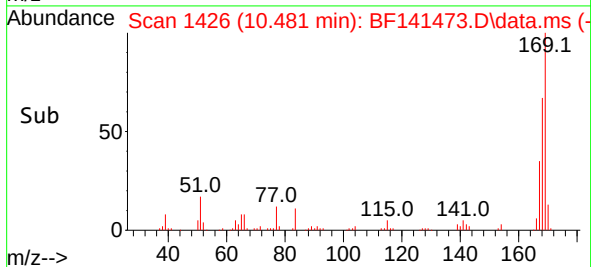
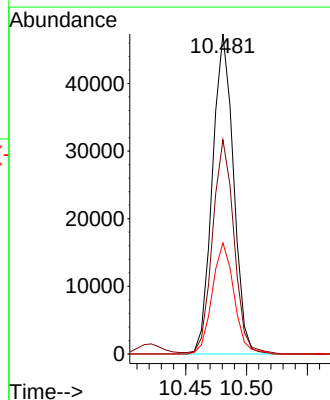
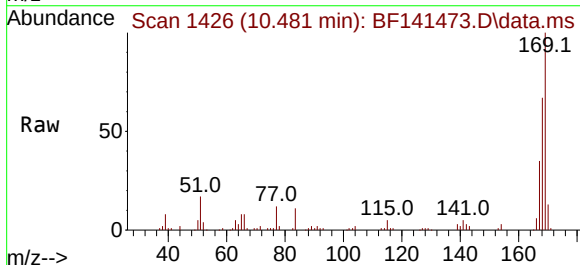
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

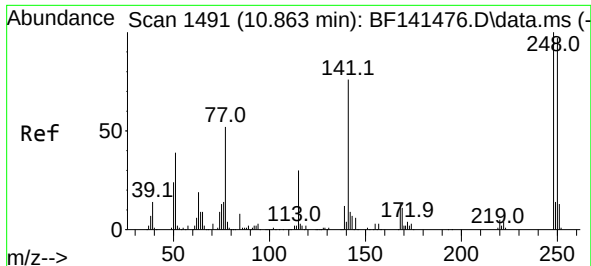
Tgt Ion:188	Resp:	351213
Ion	Ratio	Lower Upper
188	100	
94	8.6	6.6 10.0
80	9.1	7.3 10.9



#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

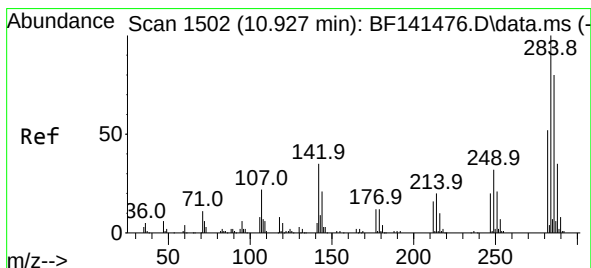
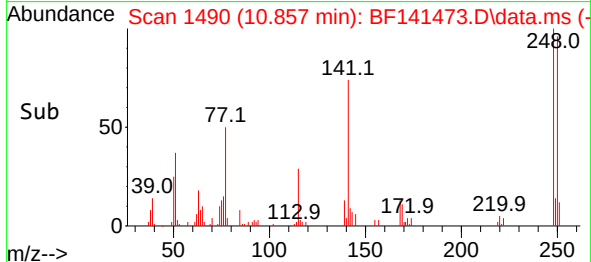
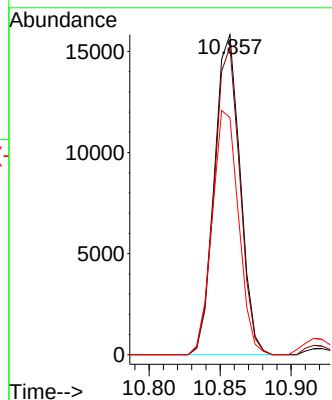
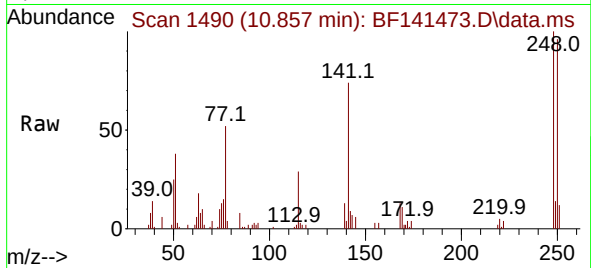




#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

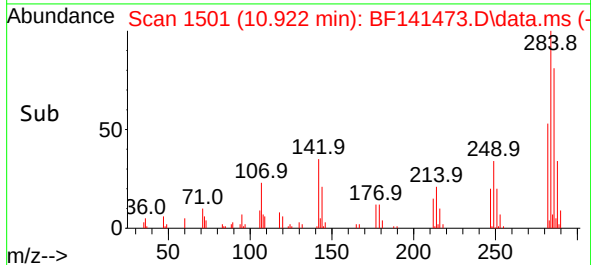
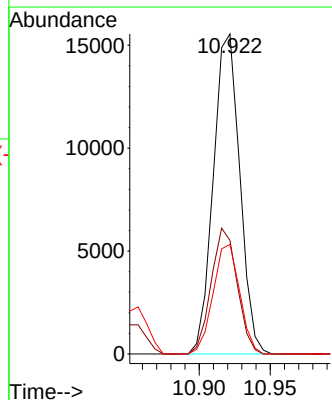
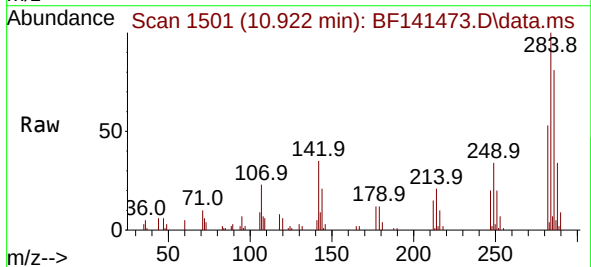
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

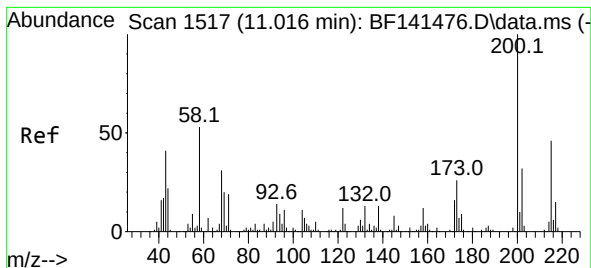
Tgt Ion:248 Resp: 20012
Ion Ratio Lower Upper
248 100
250 96.2 77.8 116.6
141 74.1 60.6 90.8



#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# 1516

Delta R.T. -0.011 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

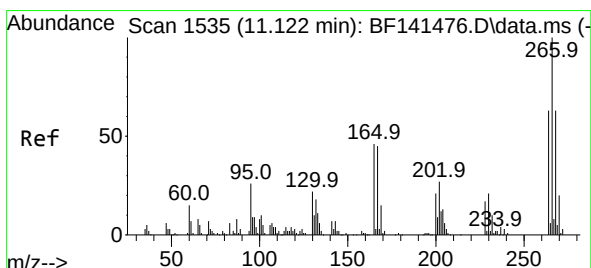
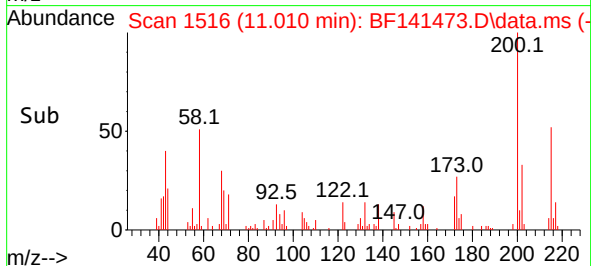
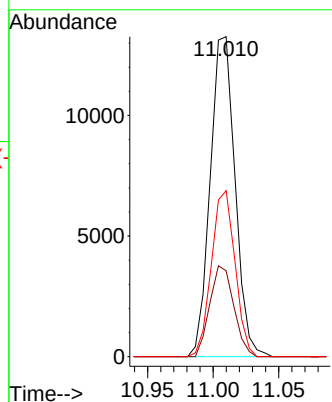
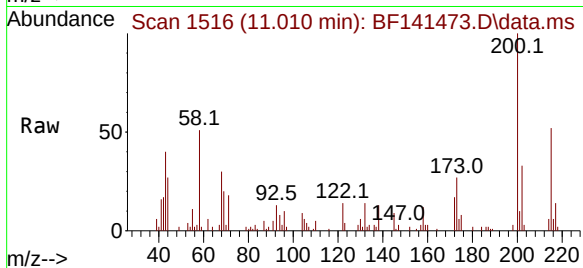
Tgt Ion:200 Resp: 17519

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

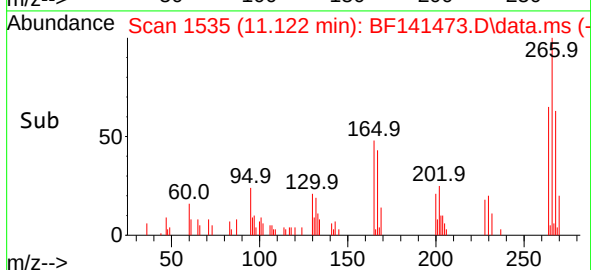
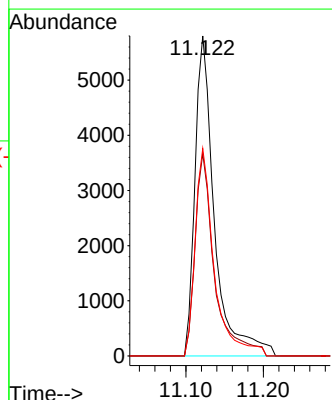
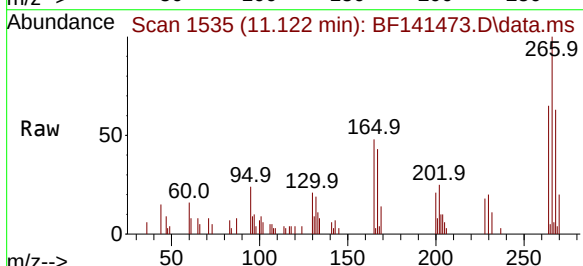
Tgt Ion:266 Resp: 10151

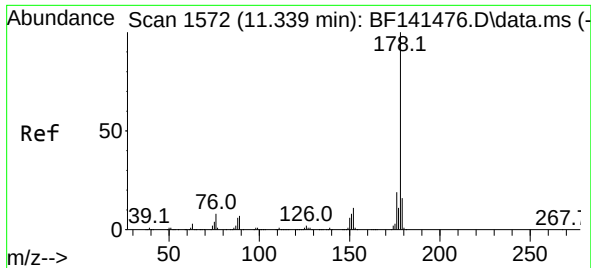
Ion Ratio Lower Upper

266 100

268 63.2 50.1 75.1

264 64.8 50.1 75.1

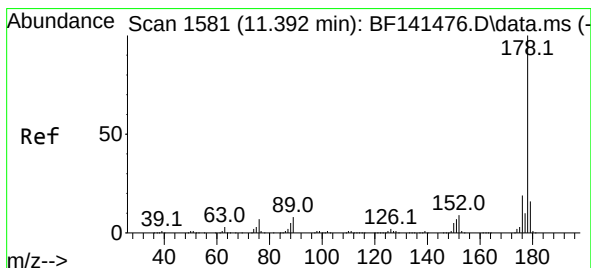
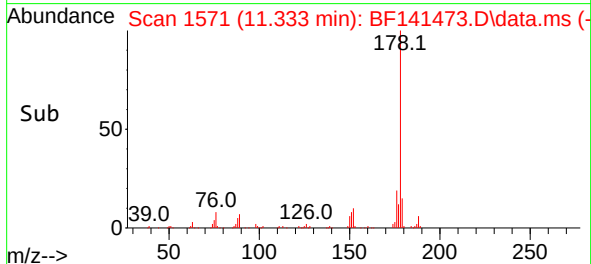
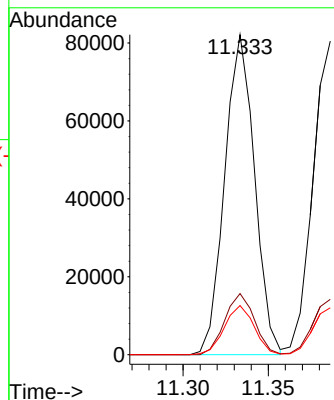
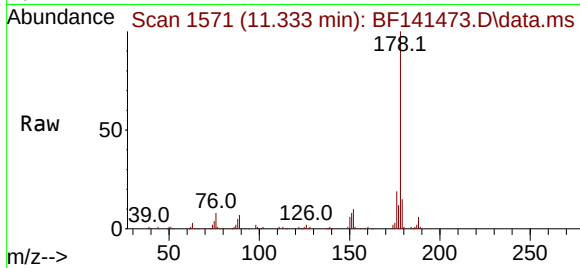




#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

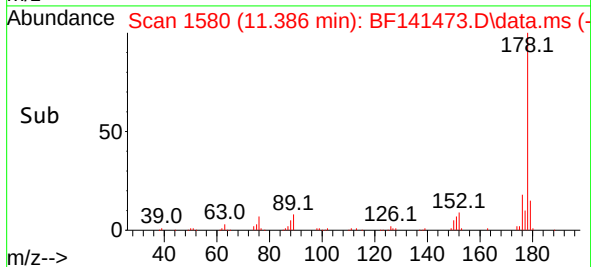
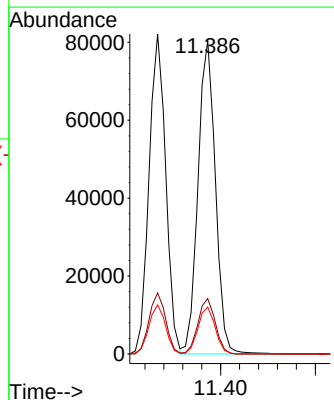
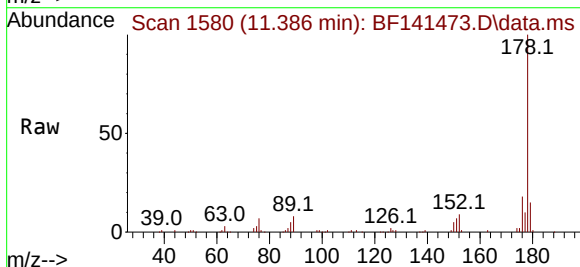
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

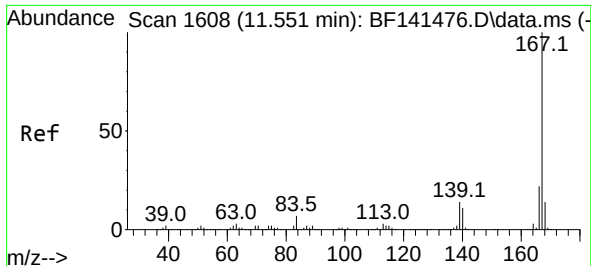
Tgt Ion:178 Resp: 100202
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.4 18.6



#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

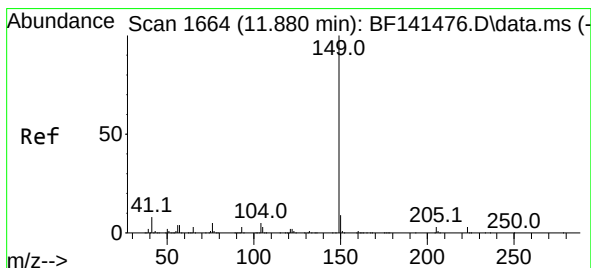
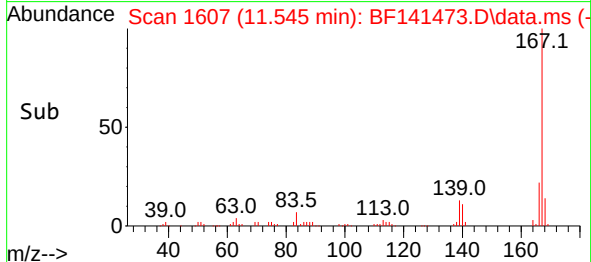
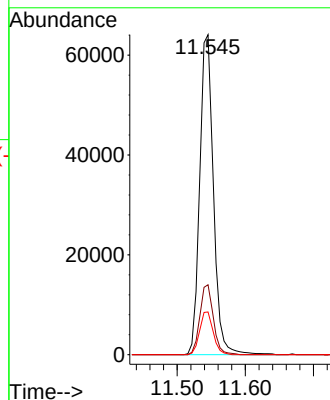
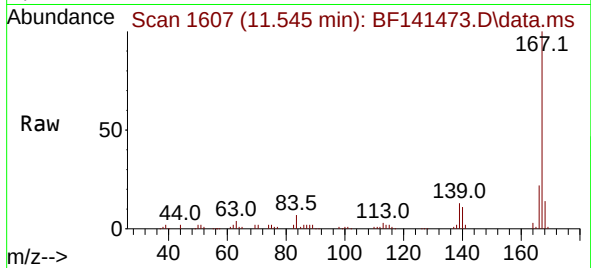




#73
 Carbazole
 Concen: 5.131 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141473.D
 Acq: 06 Feb 2025 11:34

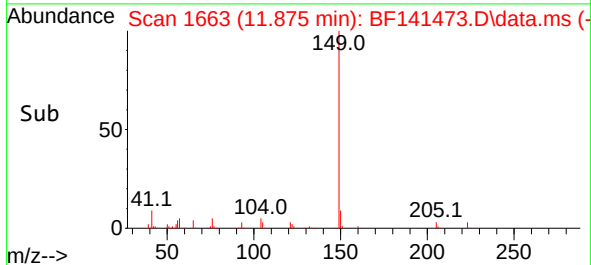
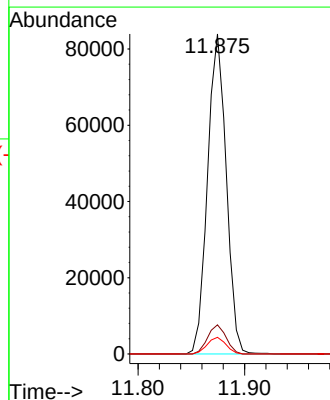
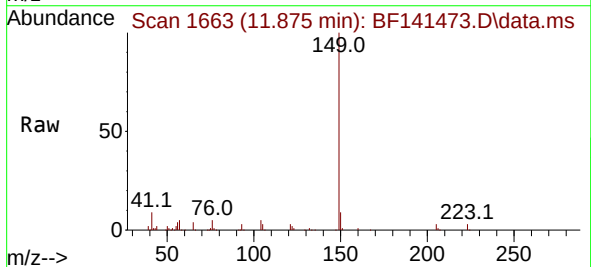
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

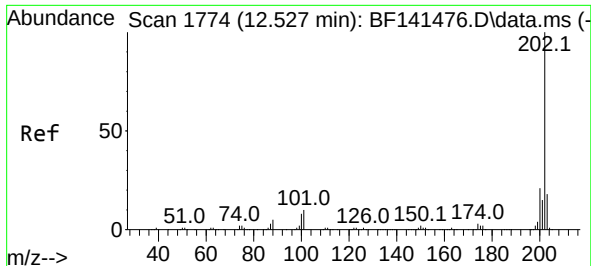
Tgt Ion:167 Resp: 89721
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.4 10.9 16.3



#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

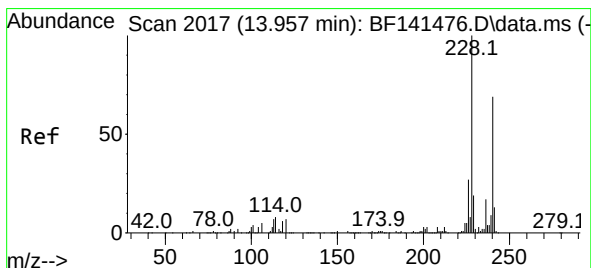
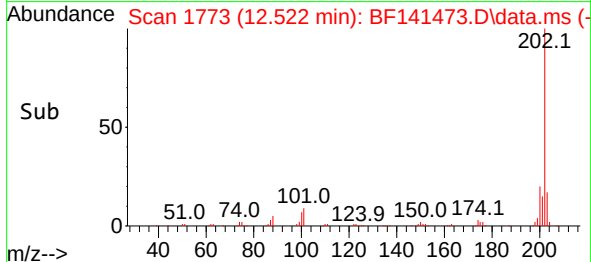
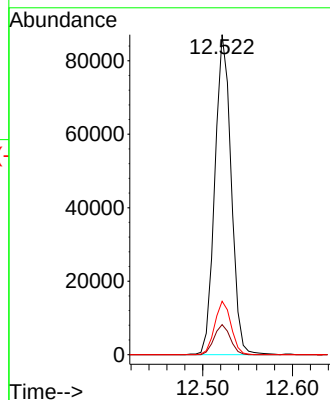
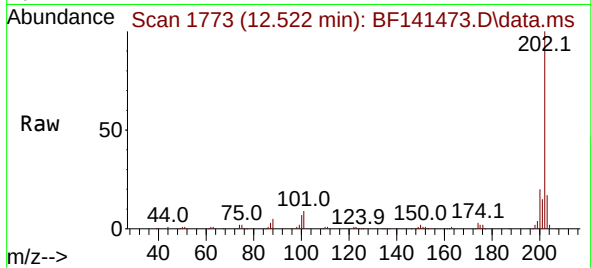




#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

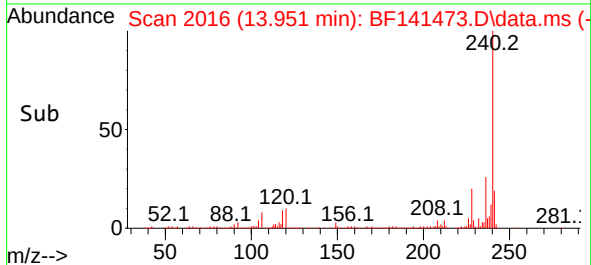
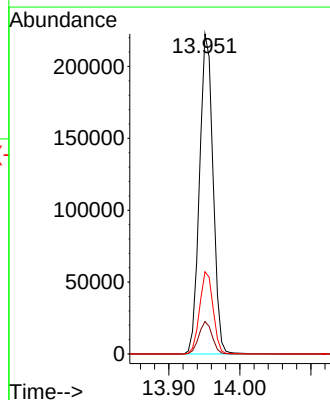
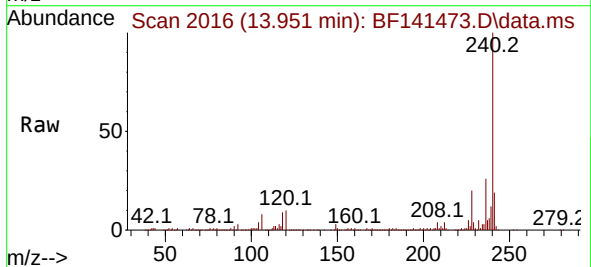
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

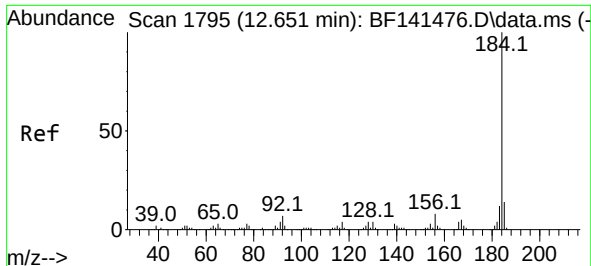
Tgt Ion:202 Resp: 109883
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 16.7 0.0 37.6



#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

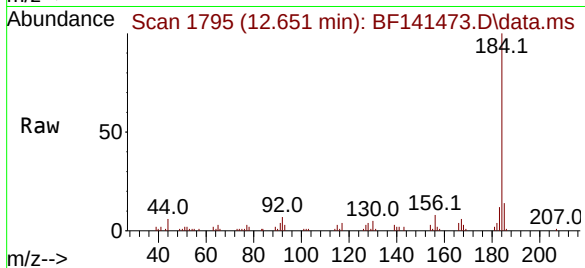
Tgt Ion:240 Resp: 295087
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.7 19.8 29.8



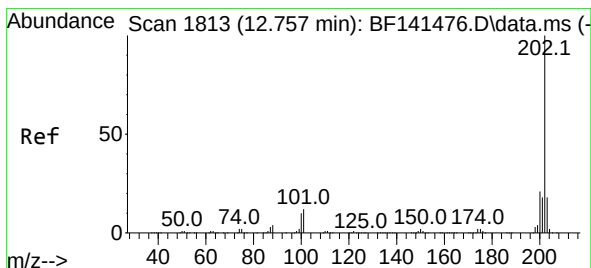
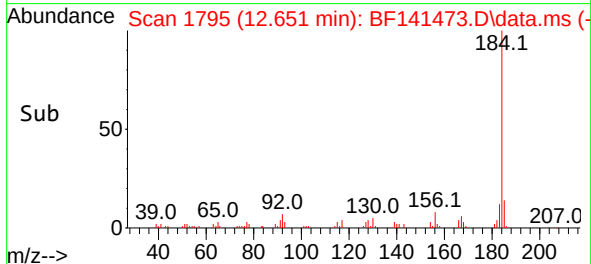
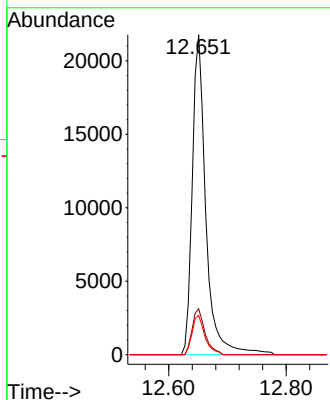


#77
Benzidine
Concen: 5.370 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

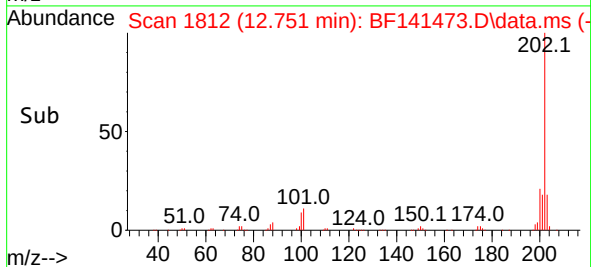
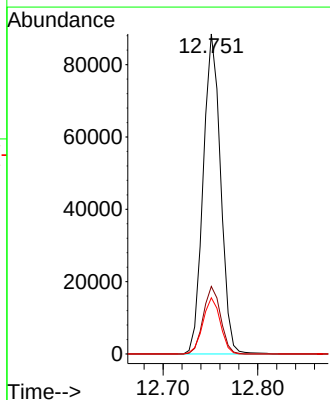
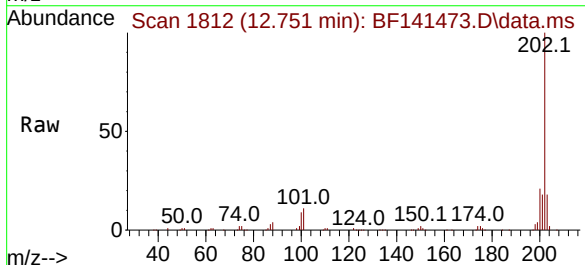


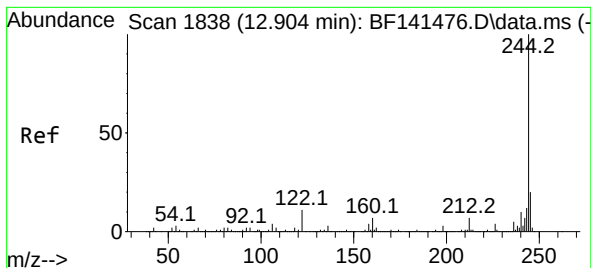
Tgt Ion:184 Resp: 34946
Ion Ratio Lower Upper
184 100
185 14.3 11.3 16.9
183 12.3 9.3 13.9



#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# 11

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

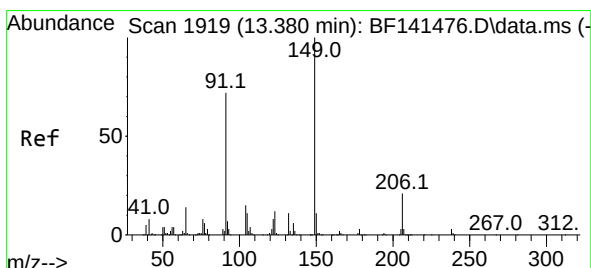
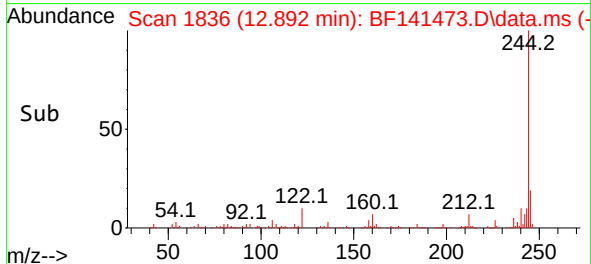
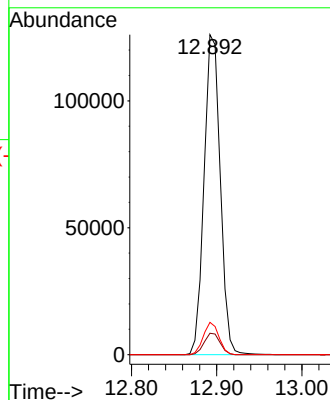
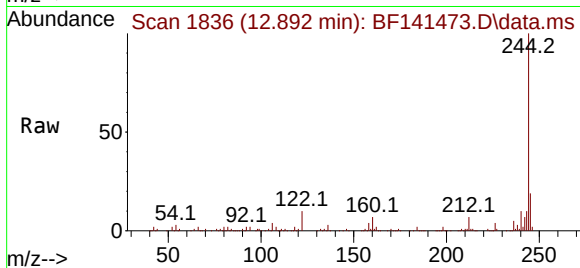
Tgt Ion:244 Resp: 166601

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

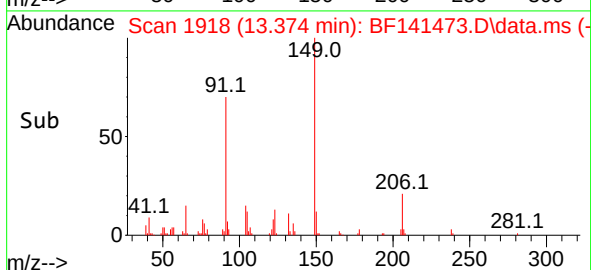
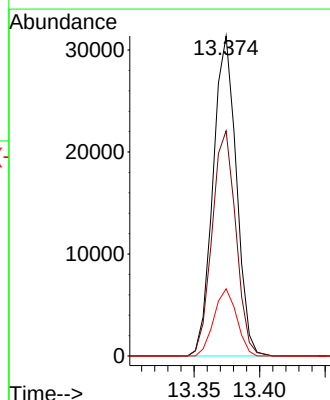
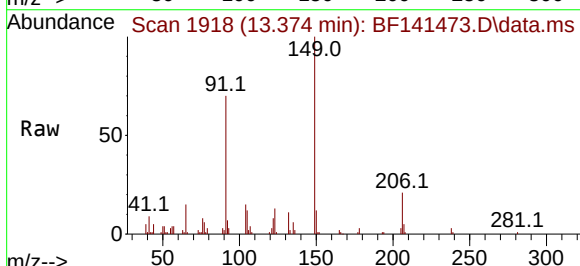
Tgt Ion:149 Resp: 38714

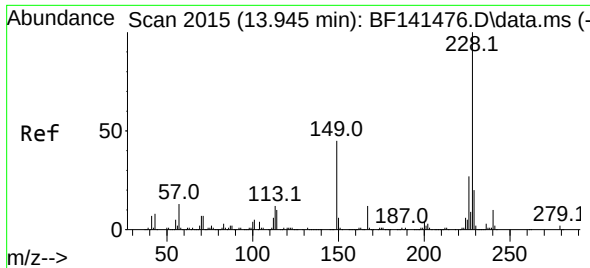
Ion Ratio Lower Upper

149 100

91 70.4 57.8 86.8

206 21.0 16.7 25.1

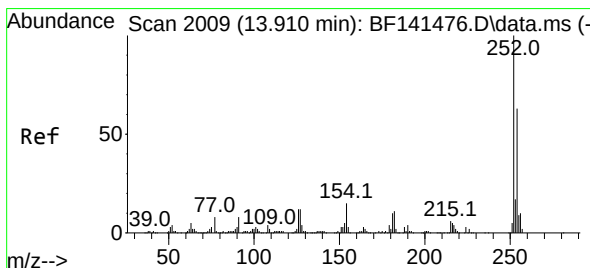
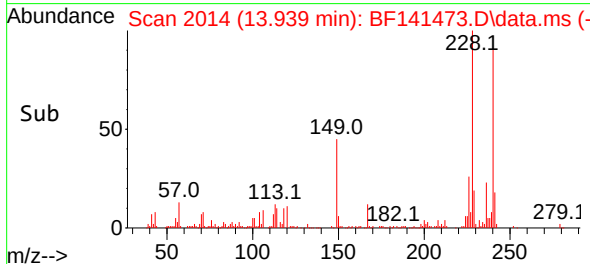
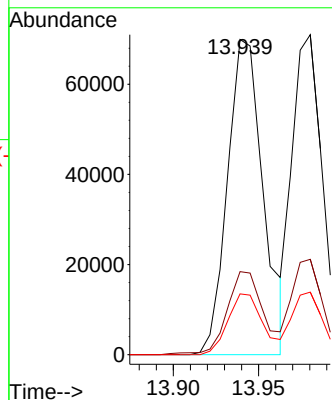
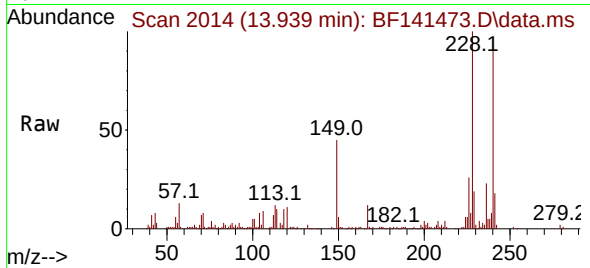




#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

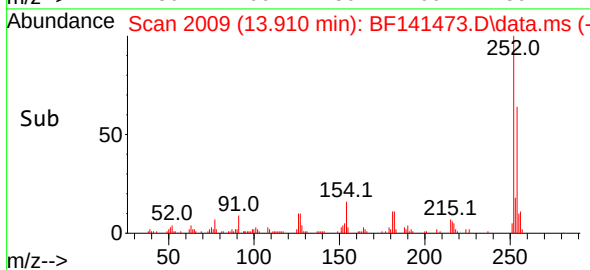
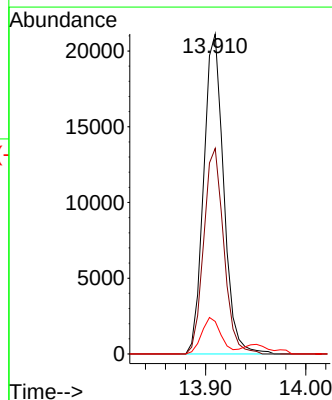
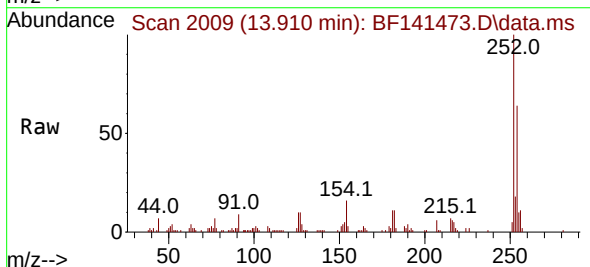
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

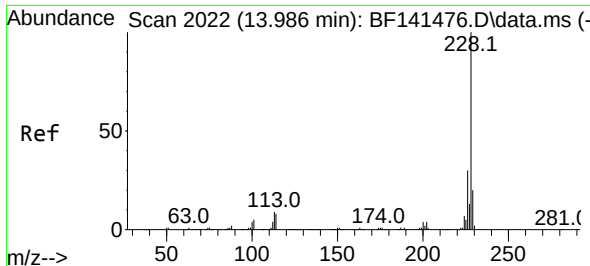
Tgt Ion:228 Resp: 101861
Ion Ratio Lower Upper
228 100
226 26.4 21.8 32.8
229 19.3 15.8 23.6



#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

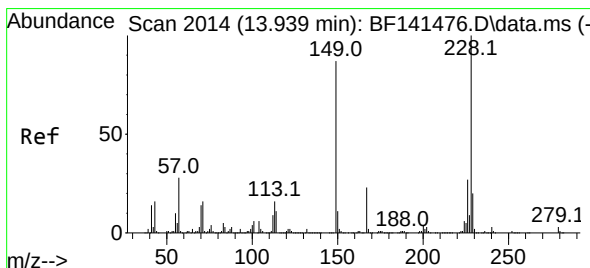
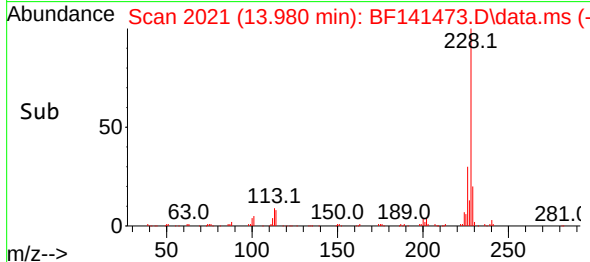
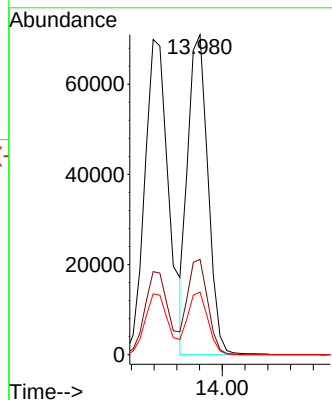
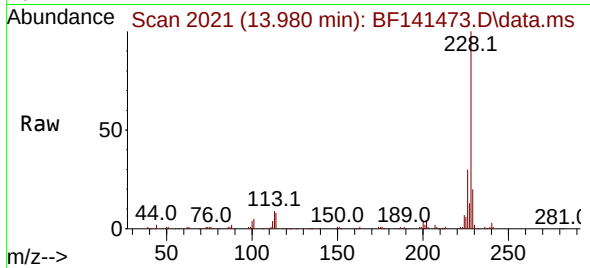




#83
Chrysene
Concen: 4.834 ng
RT: 13.980 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

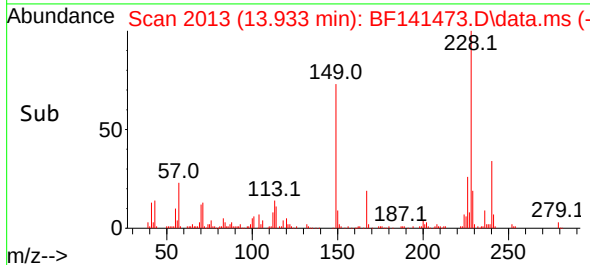
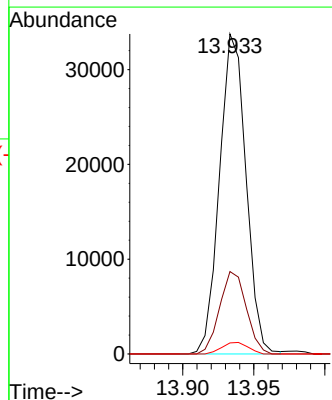
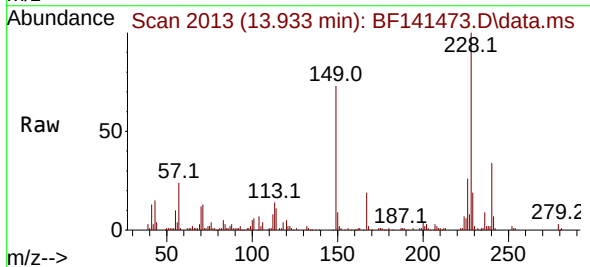
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

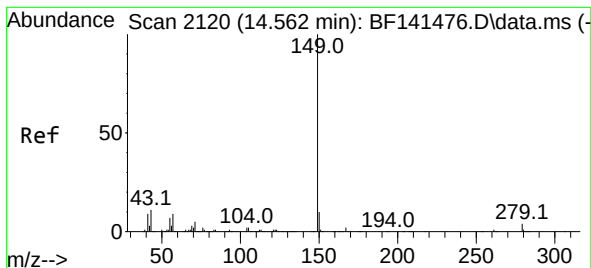
Tgt Ion:228	Resp:	87555
Ion Ratio	Lower	Upper
228	100	
226	29.8	24.0 36.0
229	19.5	15.7 23.5



#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

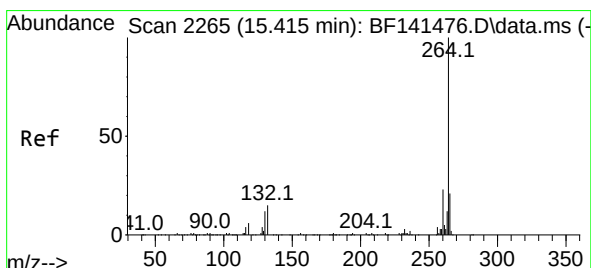
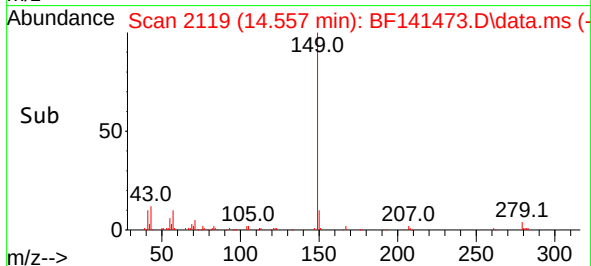
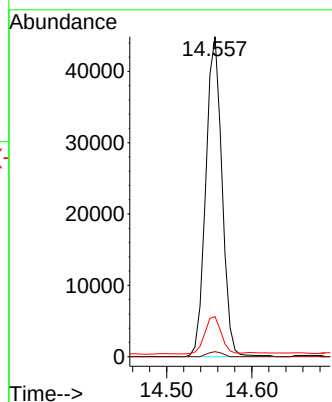
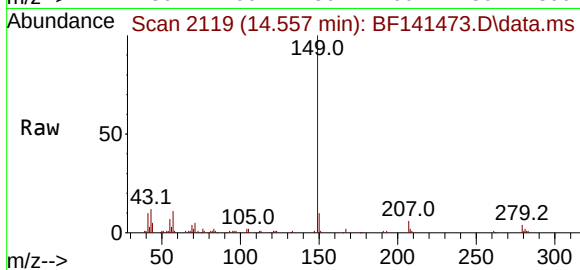
Tgt Ion:149 Resp: 59200

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

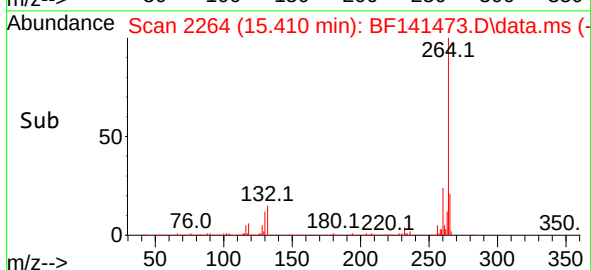
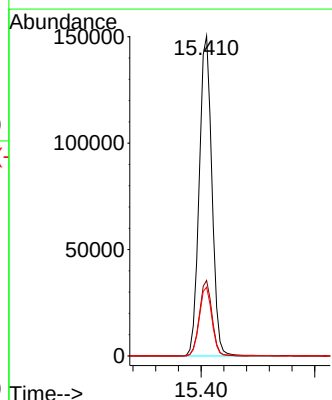
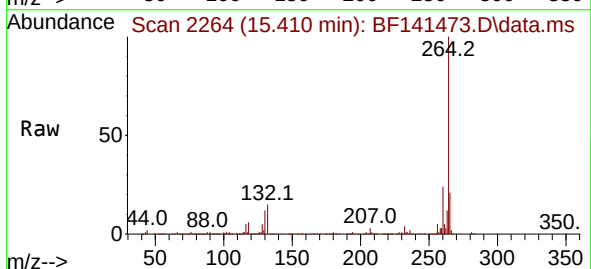
Tgt Ion:264 Resp: 233325

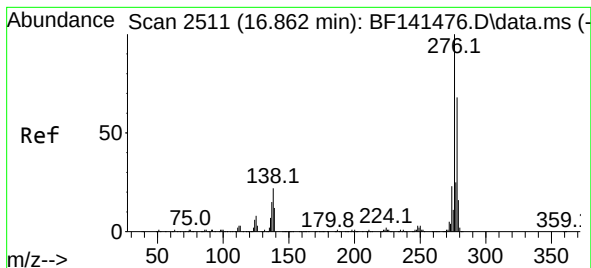
Ion Ratio Lower Upper

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

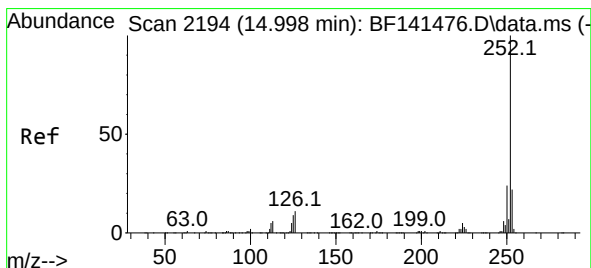
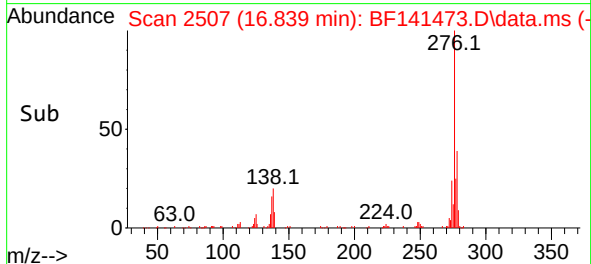
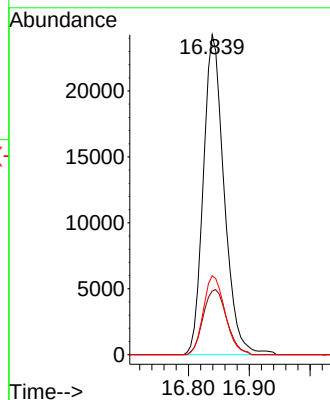
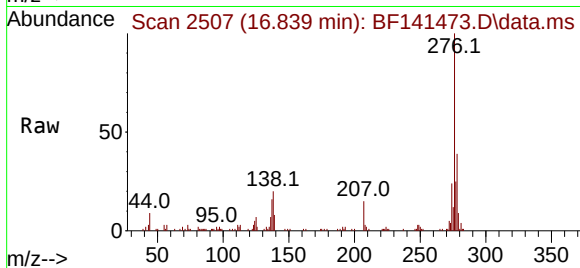
Tgt Ion:276 Resp: 57572

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

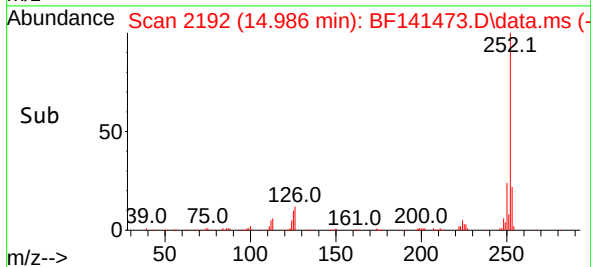
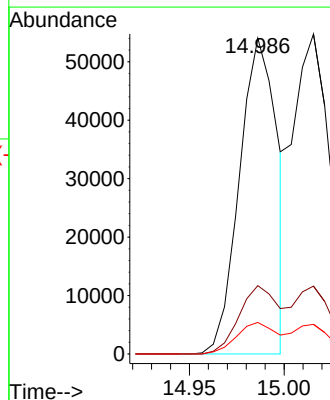
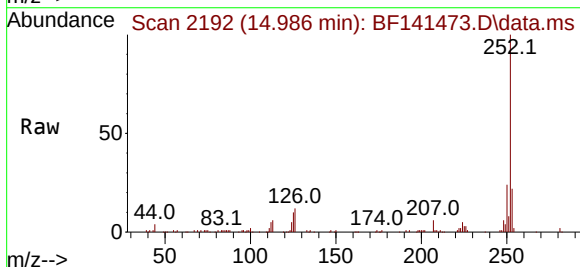
Tgt Ion:252 Resp: 75033

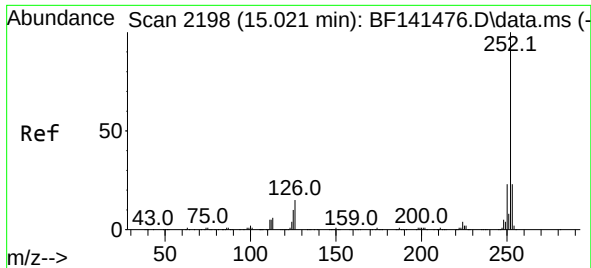
Ion Ratio Lower Upper

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# 2198

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

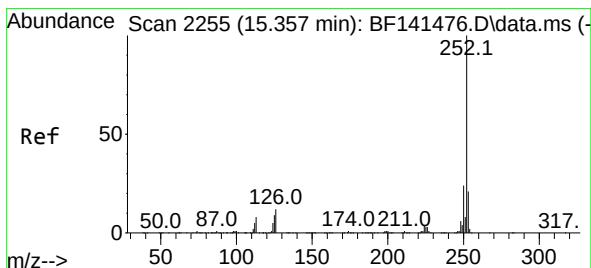
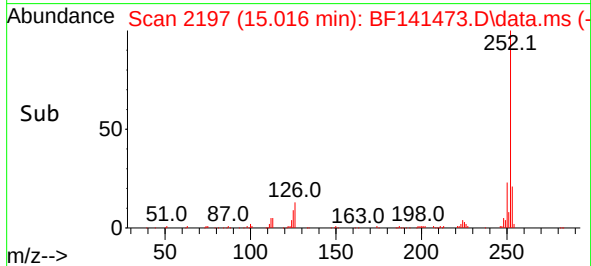
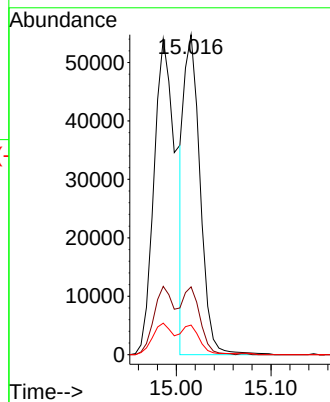
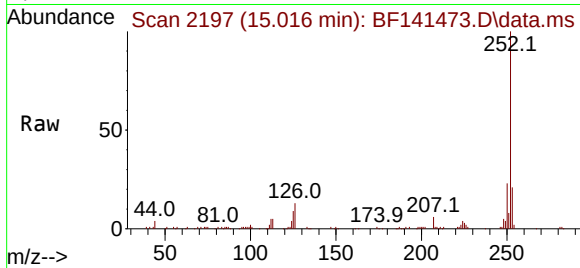
Tgt Ion:252 Resp: 64919

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

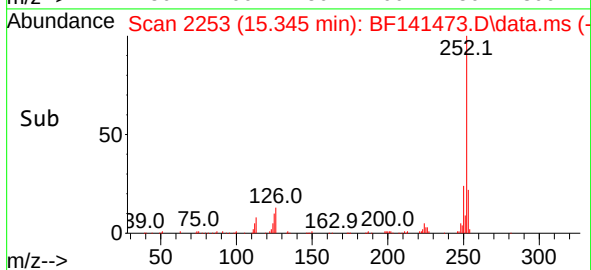
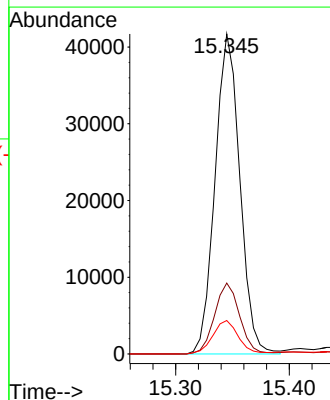
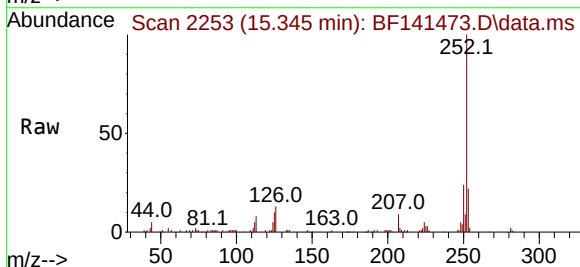
Tgt Ion:252 Resp: 63295

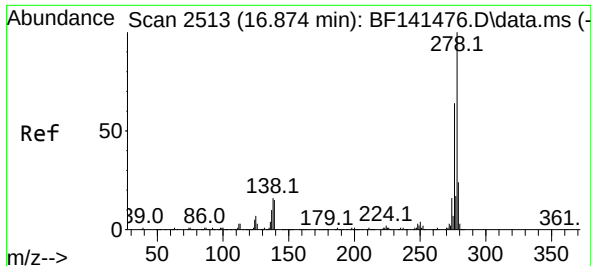
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 10.4 7.4 11.2

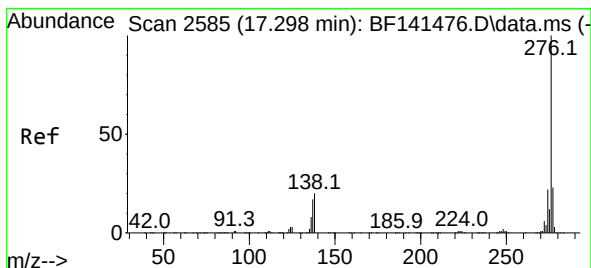
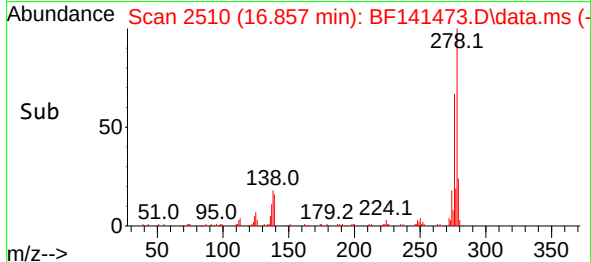
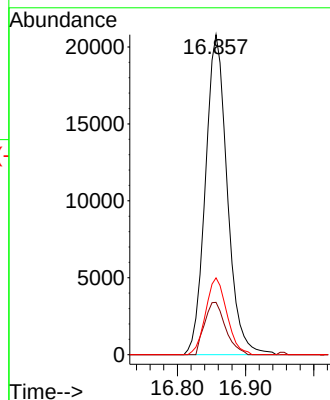
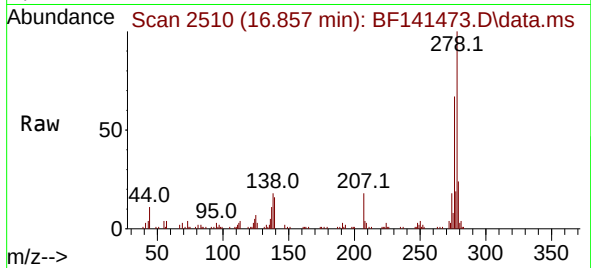




#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

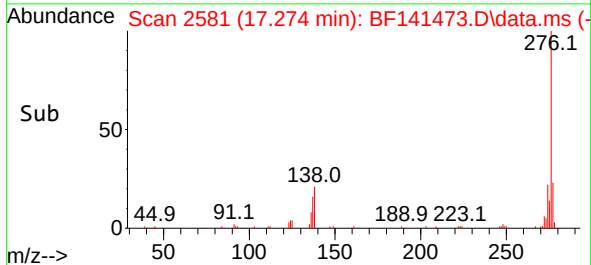
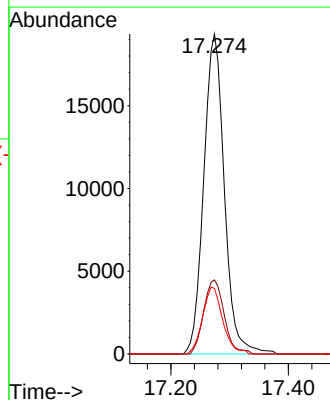
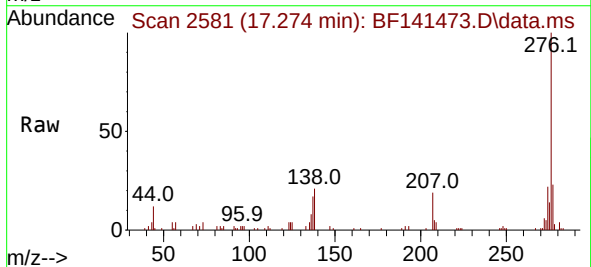
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

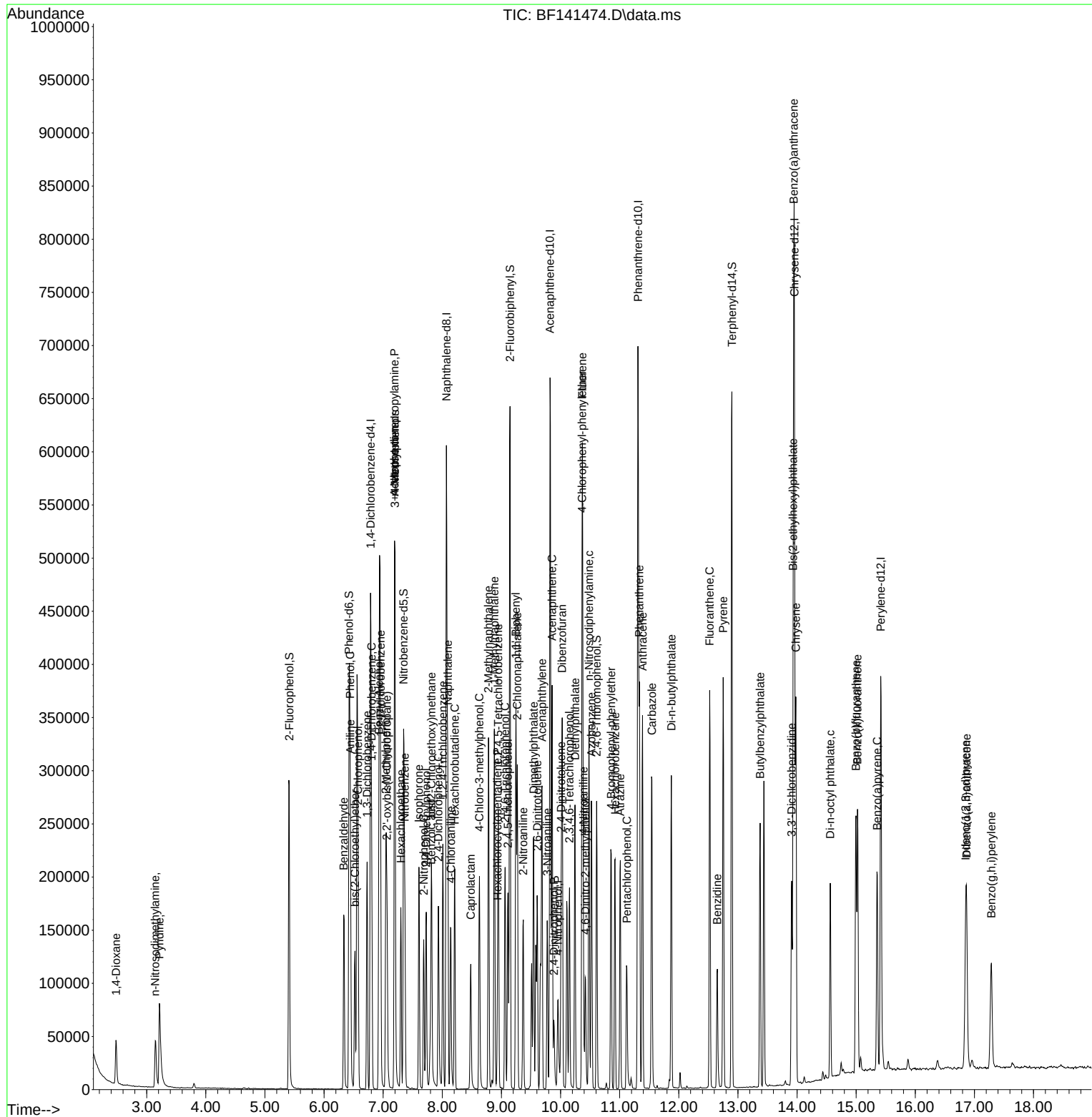
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng	97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng	99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng	99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng	96
49) Acenaphthylene	9.686	152	173644	10.179	ng	99
50) 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	124038	10.816	ng	99
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

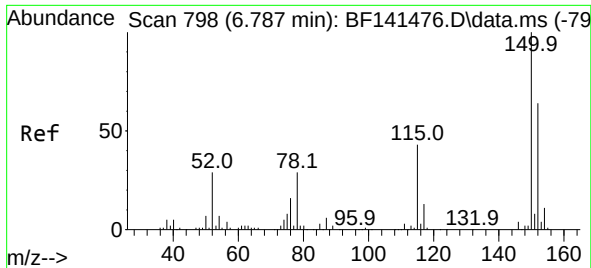
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

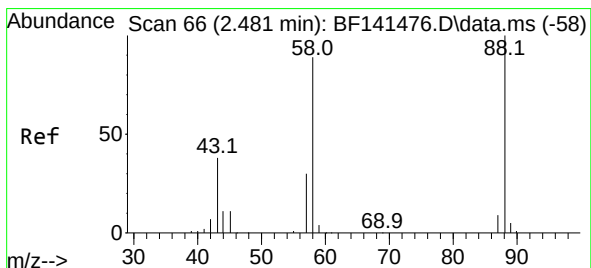
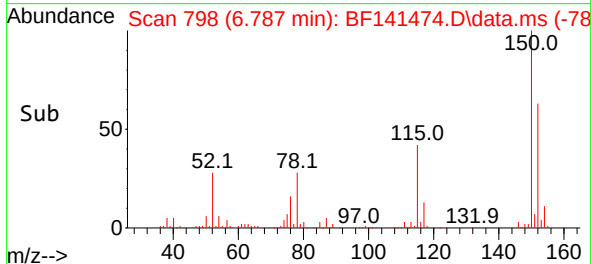
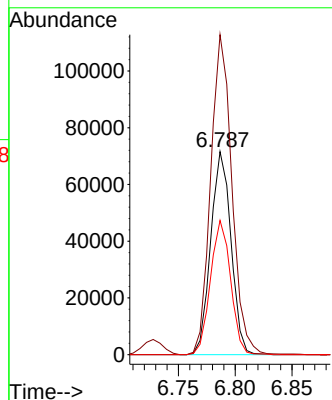
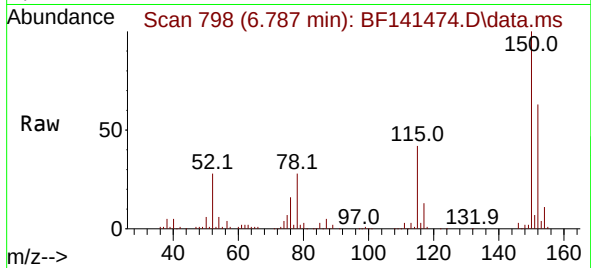




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

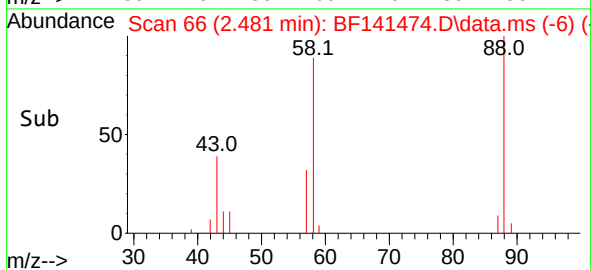
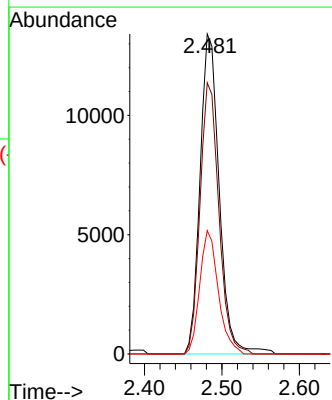
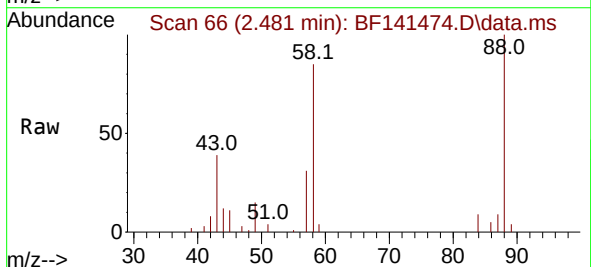
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

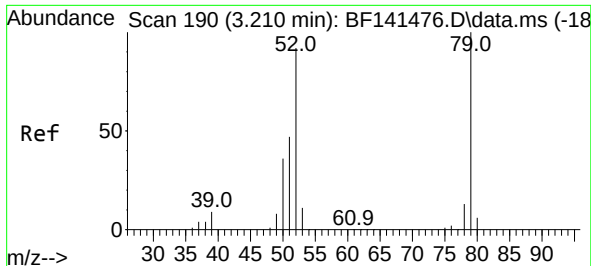
Tgt Ion:152 Resp: 88879
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 66.1 53.6 80.4



#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

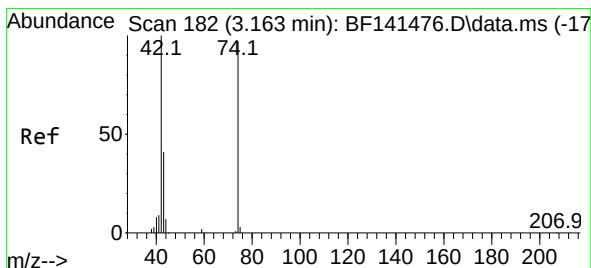
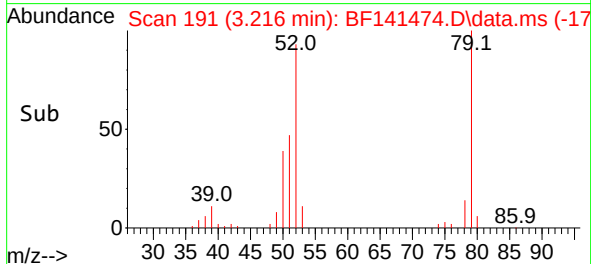
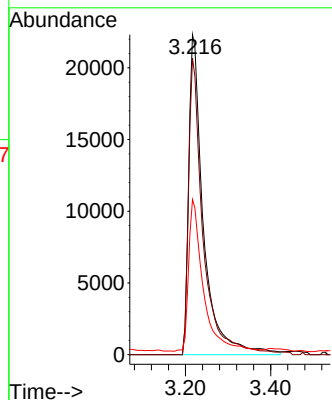
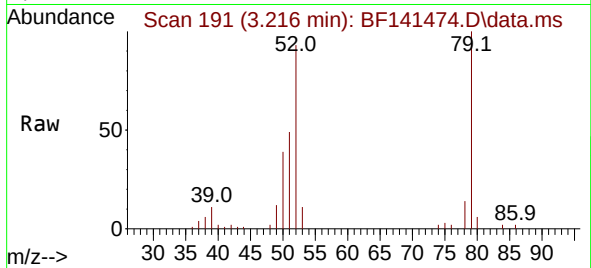




#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 190
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

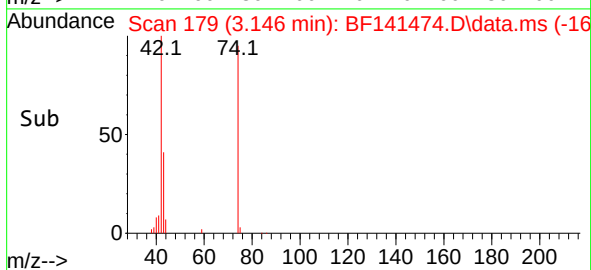
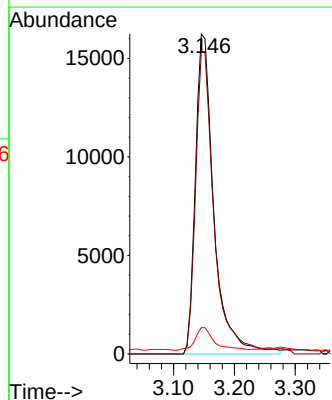
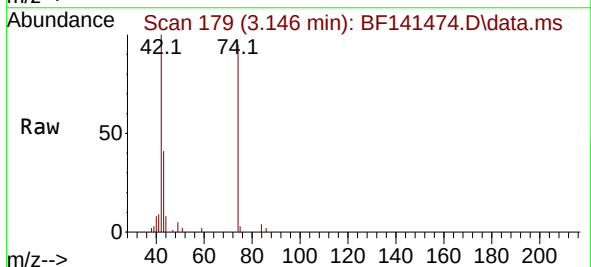
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

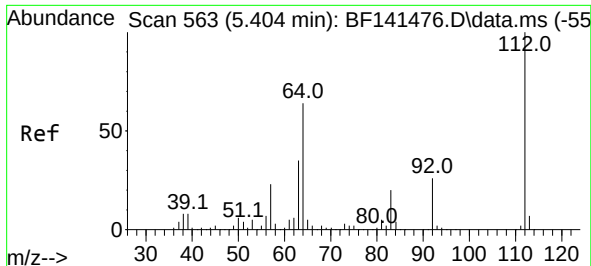
Tgt Ion: 79 Resp: 53532
Ion Ratio Lower Upper
79 100
52 92.7 73.7 110.5
51 48.5 37.5 56.3



#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

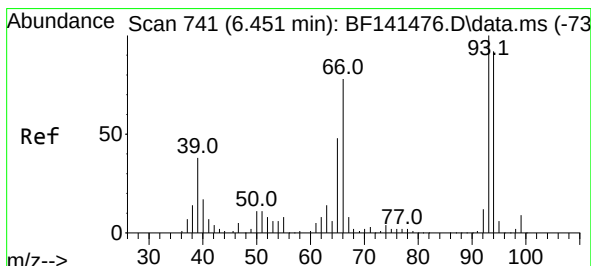
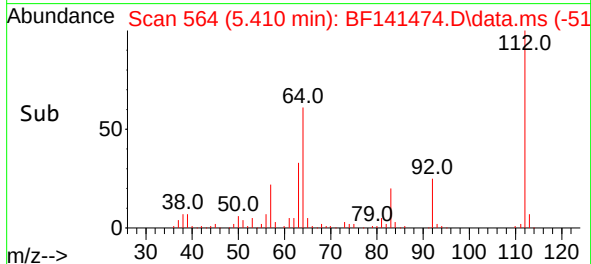
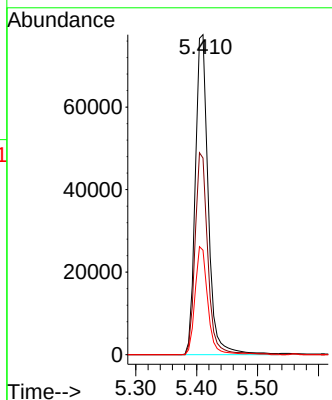
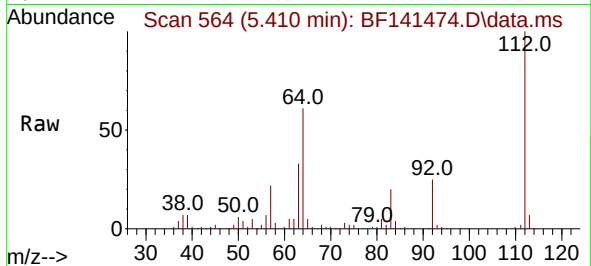




#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

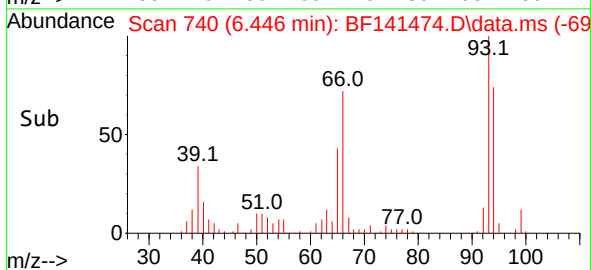
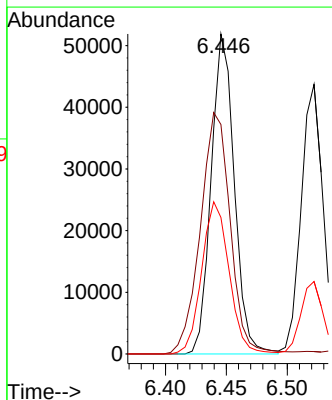
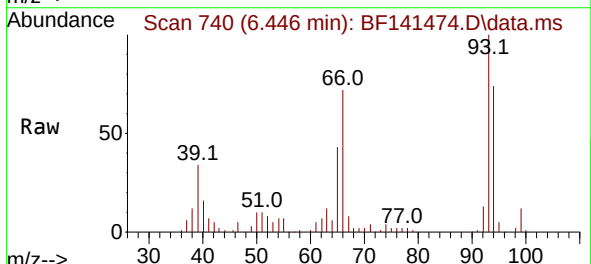
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

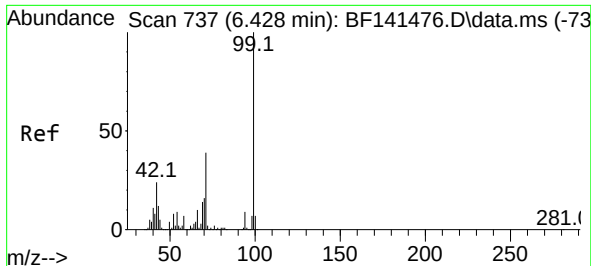
Tgt Ion:112 Resp: 114669
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 32.6 28.4 42.6



#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

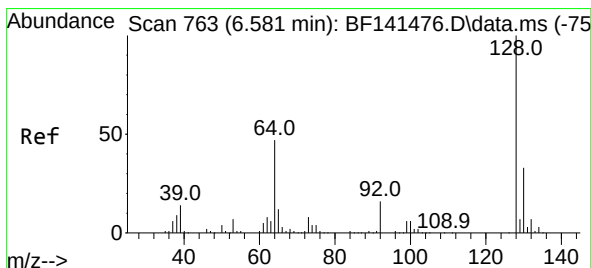
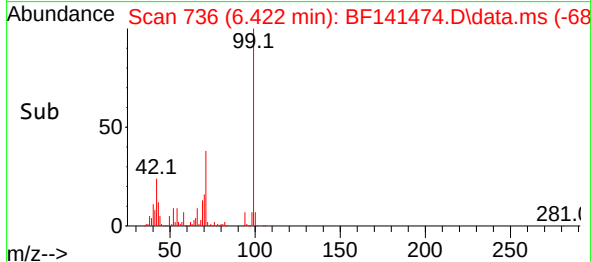
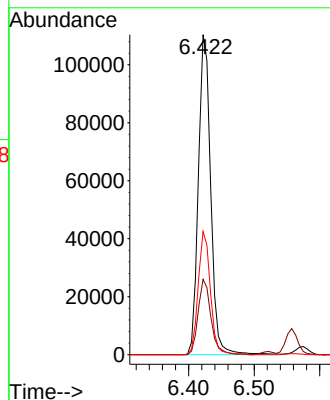
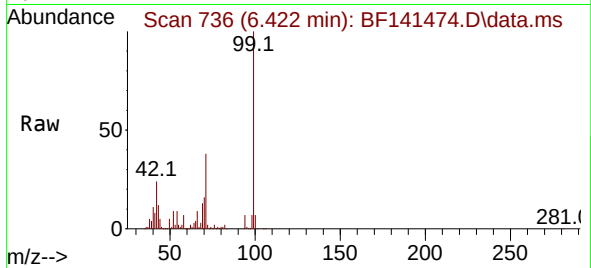




#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

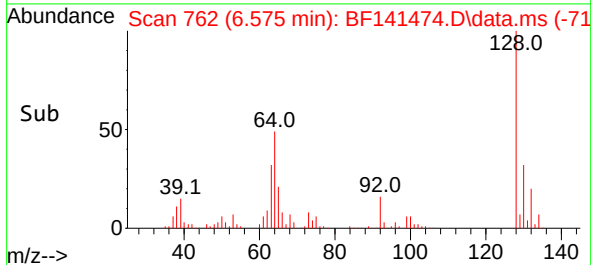
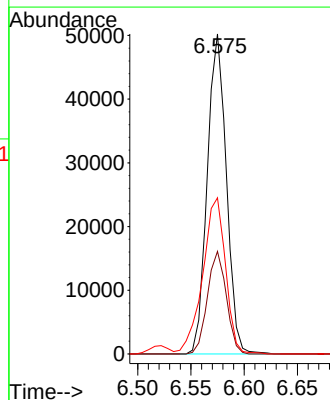
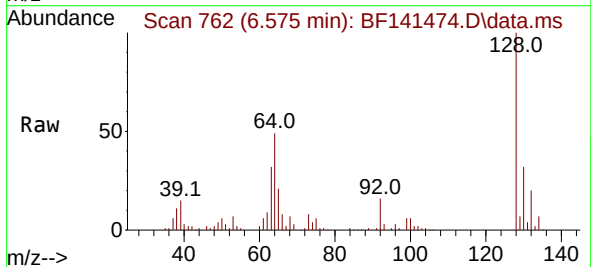
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

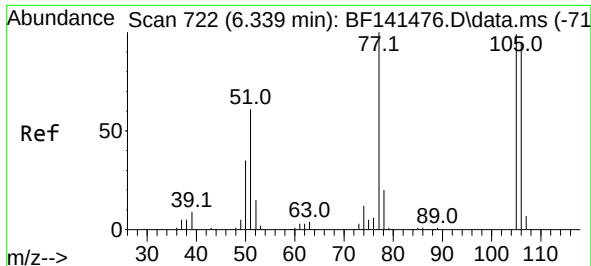
Tgt Ion: 99 Resp: 144805
Ion Ratio Lower Upper
99 100
42 23.6 19.1 28.7
71 38.5 31.1 46.7



#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

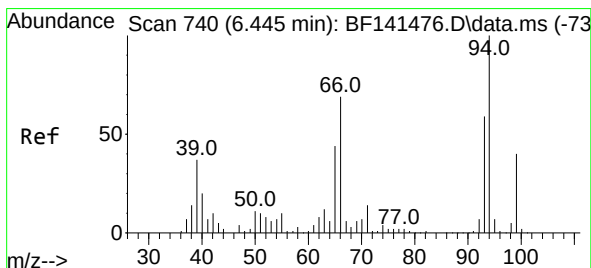
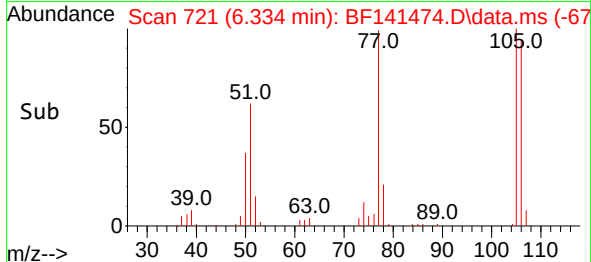
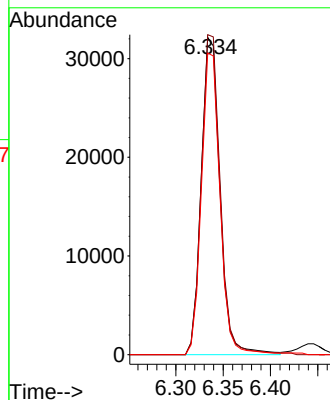
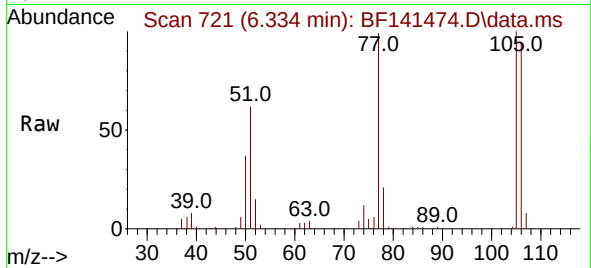




#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

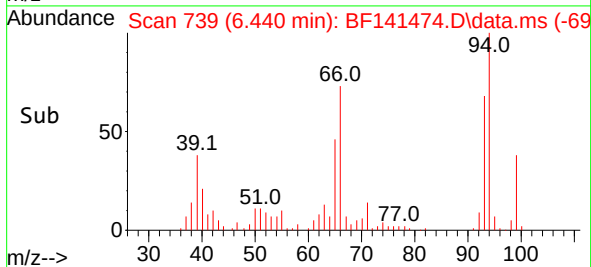
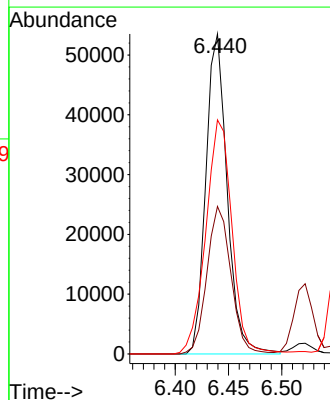
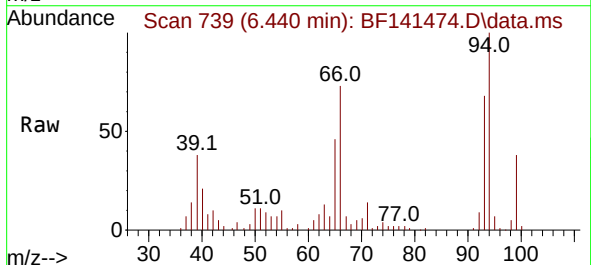
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

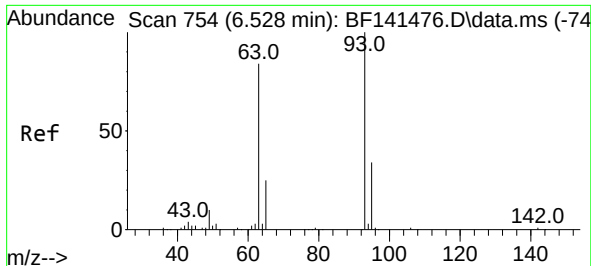
Tgt Ion: 77 Resp: 44111
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 95.1 75.1 115.1



#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



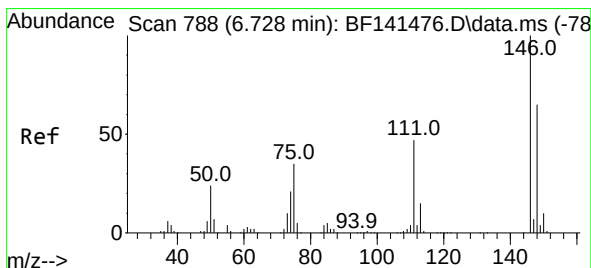
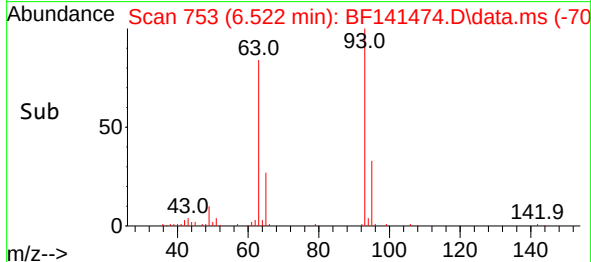
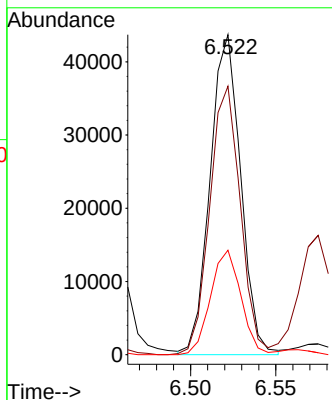
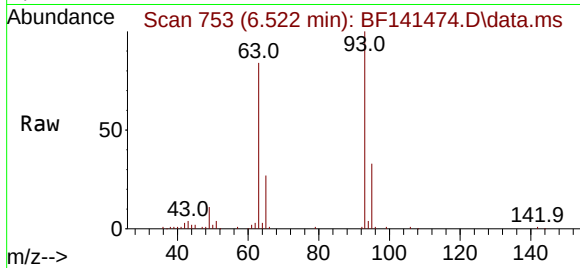


#11
 bis(2-Chloroethyl)ether
 Concen: 9.752 ng
 RT: 6.522 min Scan# 754
 Delta R.T. -0.012 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Tgt Ion: 93 Resp: 54627

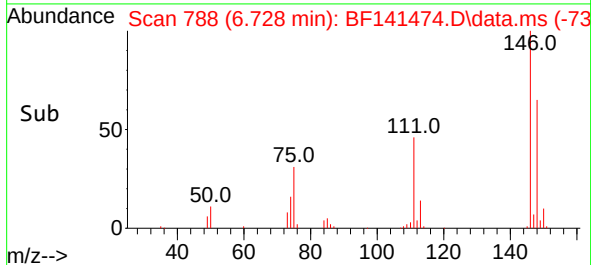
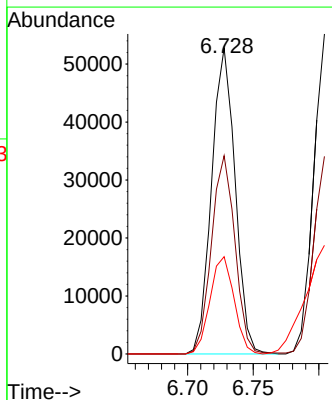
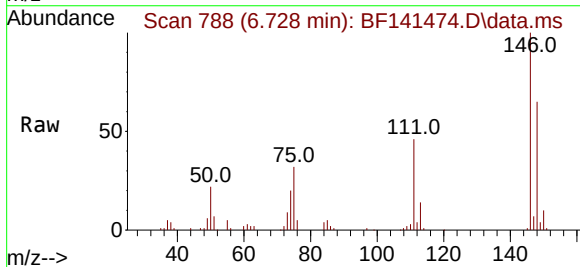
Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.6	12.6	52.6

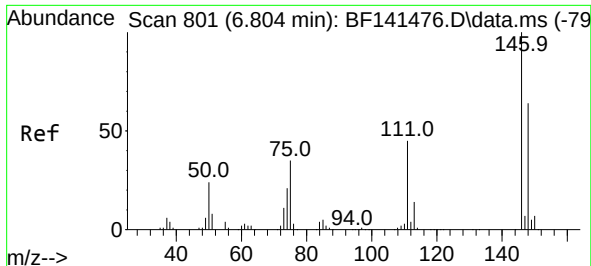


#12
 1,3-Dichlorobenzene
 Concen: 10.182 ng
 RT: 6.728 min Scan# 788
 Delta R.T. -0.006 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

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

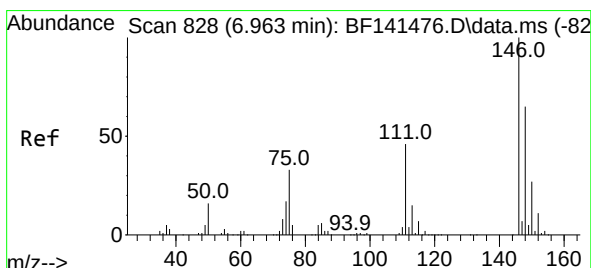
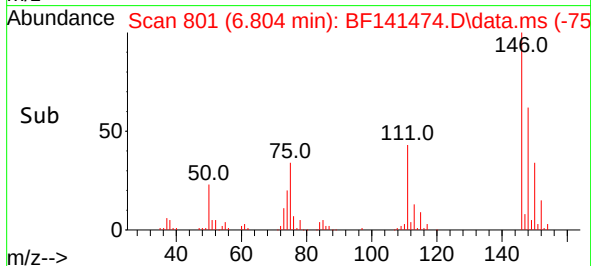
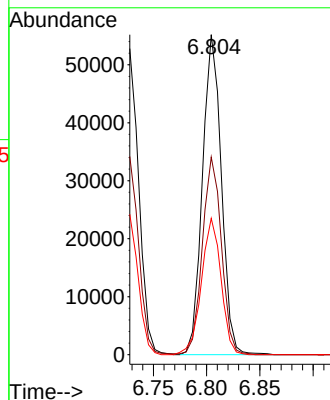
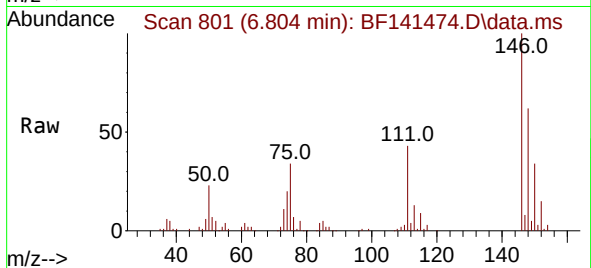
Tgt Ion:146 Resp: 68330

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

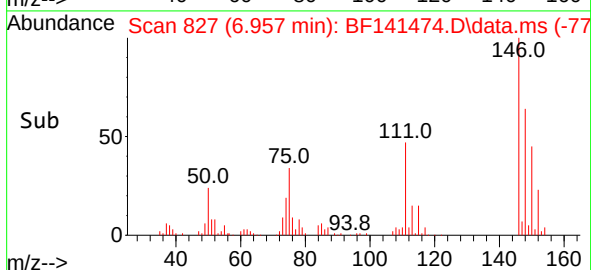
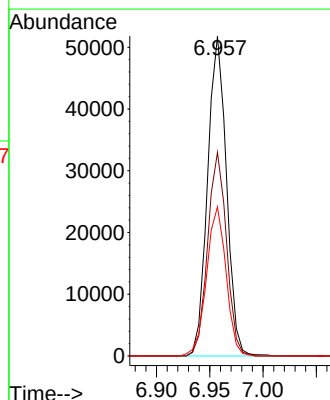
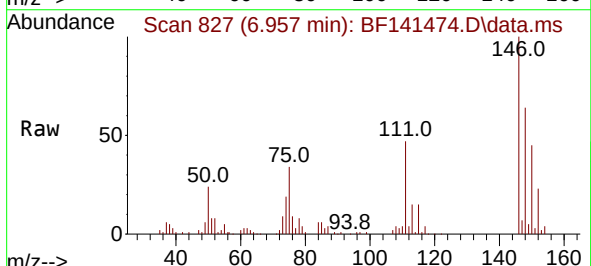
Tgt Ion:146 Resp: 63948

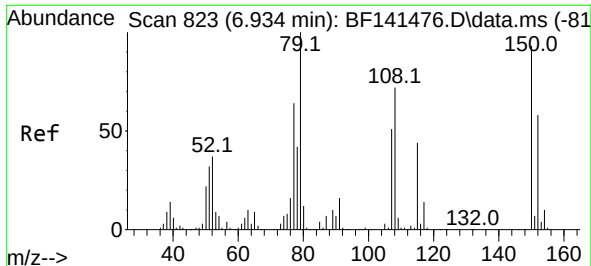
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 46.6 37.0 55.4

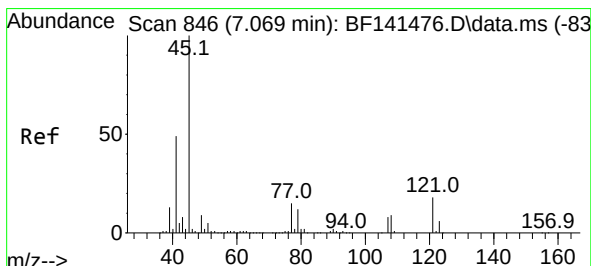
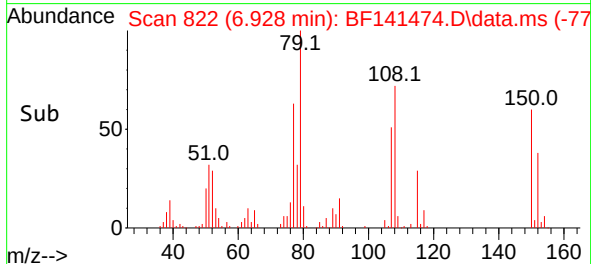
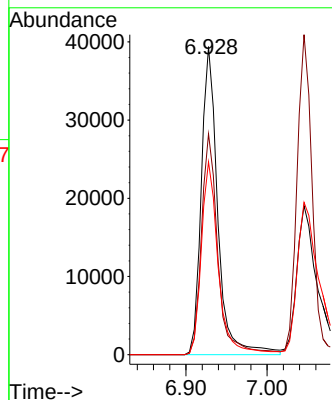
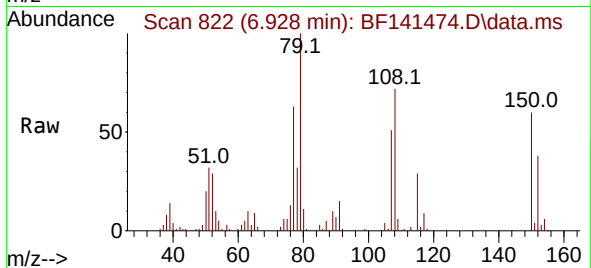




#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

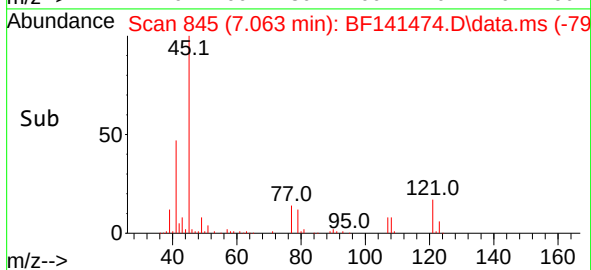
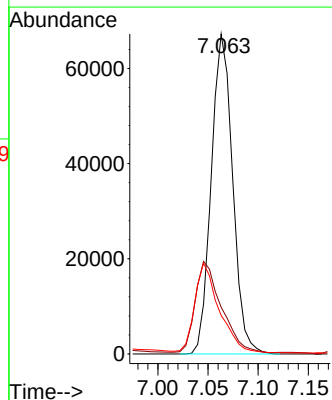
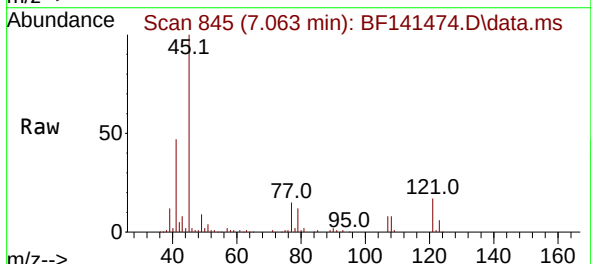
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

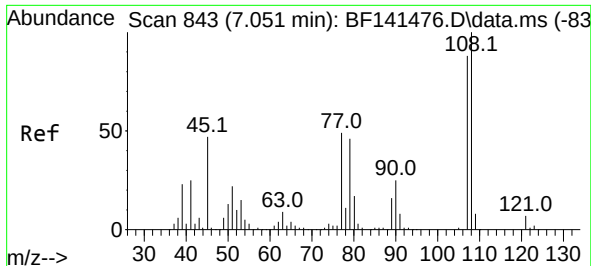
Tgt Ion: 79 Resp: 55580
Ion Ratio Lower Upper
79 100
108 71.7 57.4 86.2
77 62.6 50.9 76.3



#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

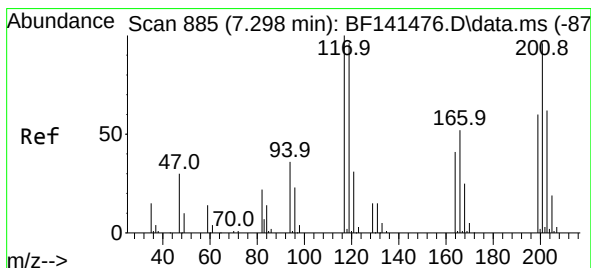
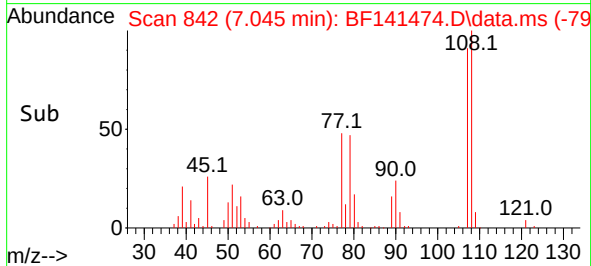
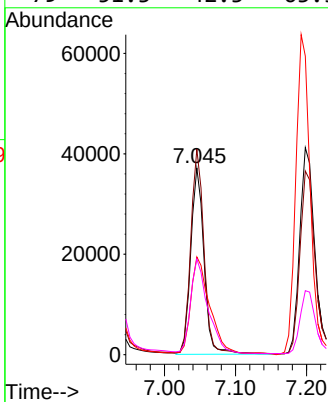
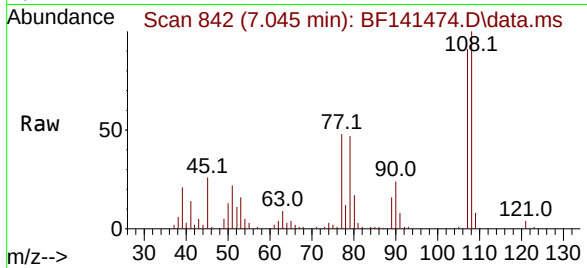




#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

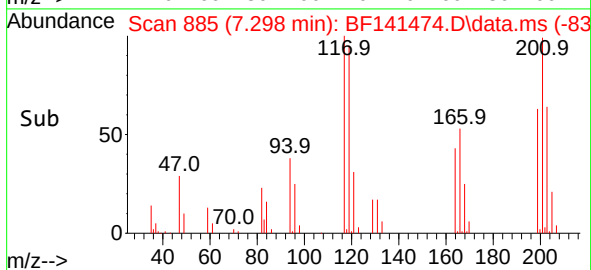
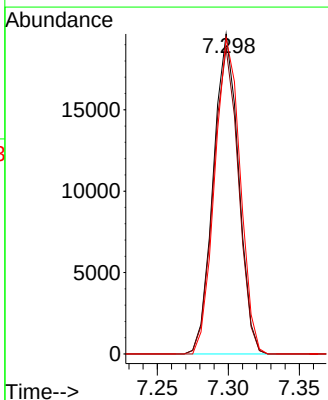
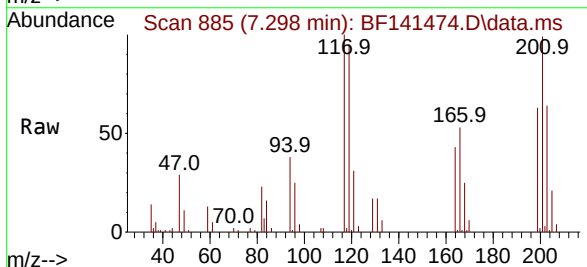
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

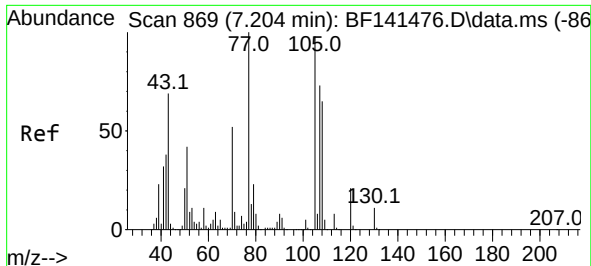
Tgt Ion:	107	Resp:	48375
Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5



#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

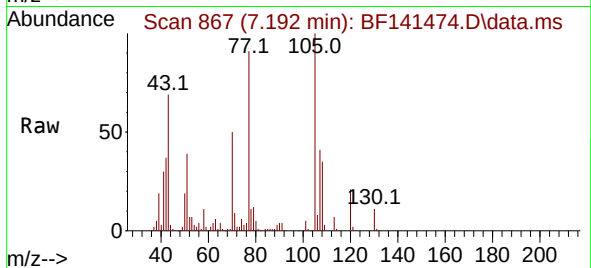
Tgt Ion:	117	Resp:	24233
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
201	98.8	76.7	115.1





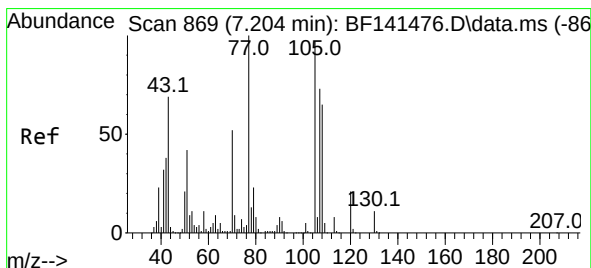
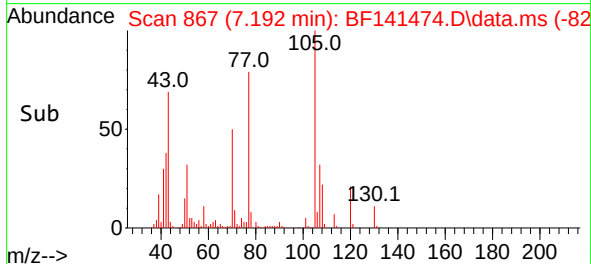
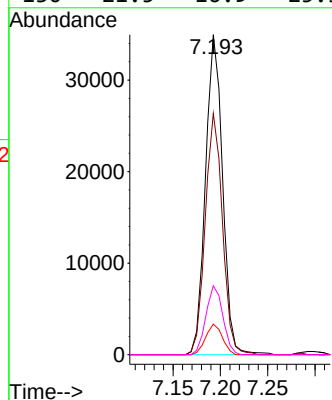
#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

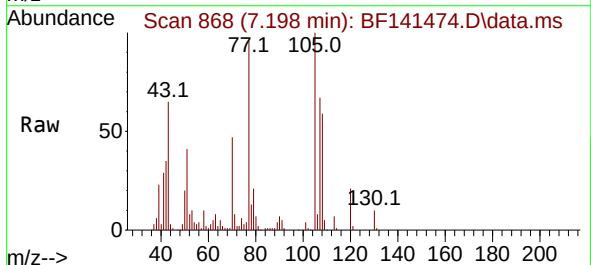


Tgt Ion: 70 Resp: 43762

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

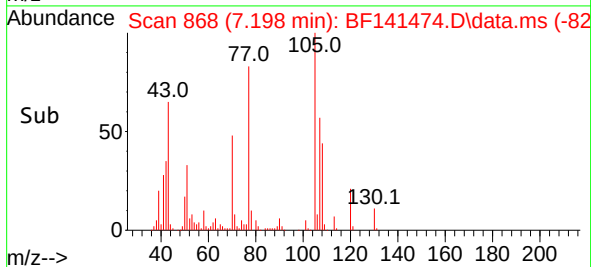
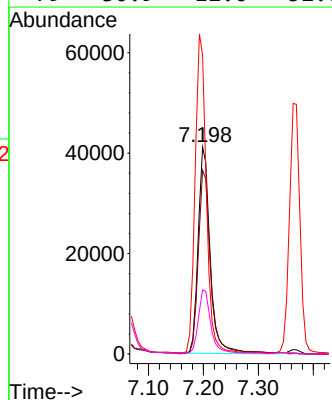


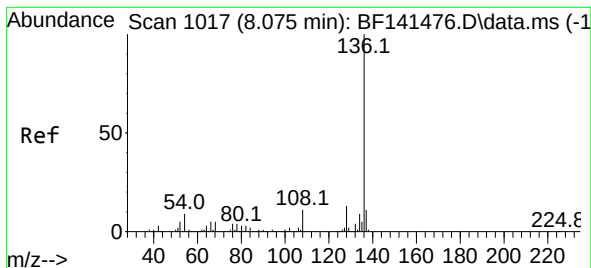
#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00



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

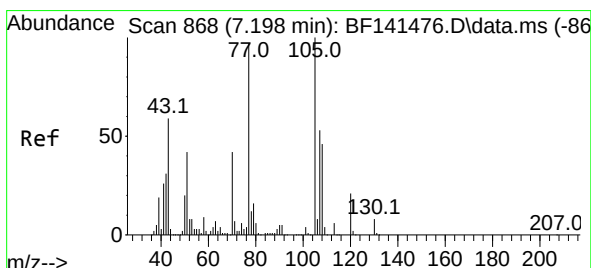
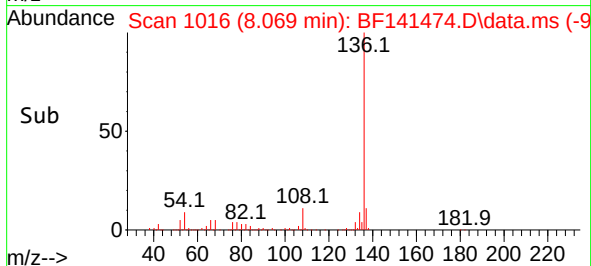
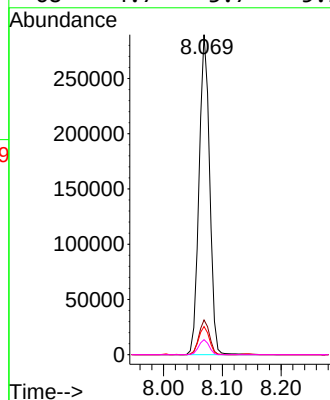
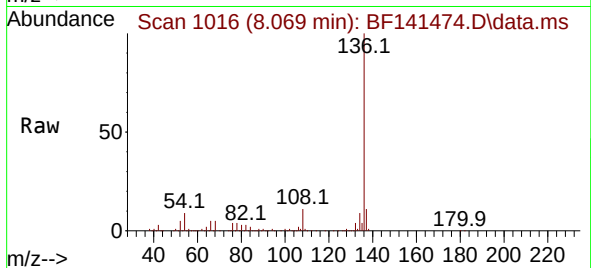
Ion Ratio Lower Upper

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

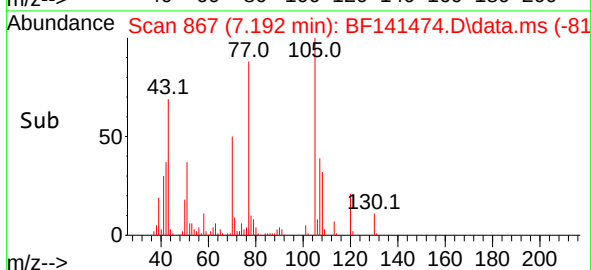
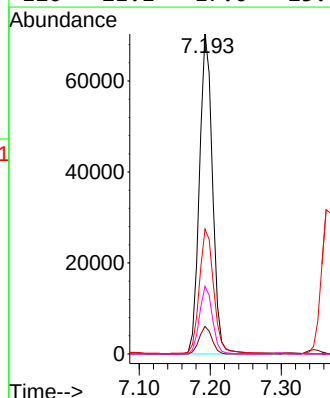
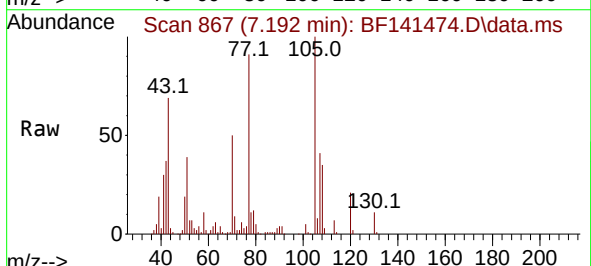
Ion Ratio Lower Upper

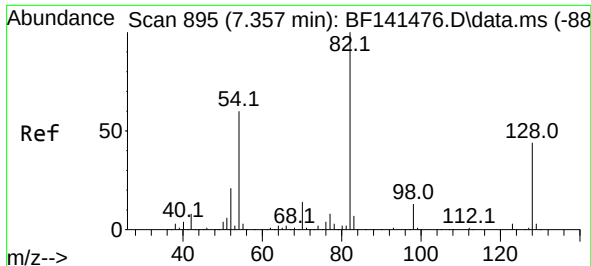
105 100

71 8.6 5.7 8.5#

51 39.0 33.7 50.5

120 21.1 17.0 25.6

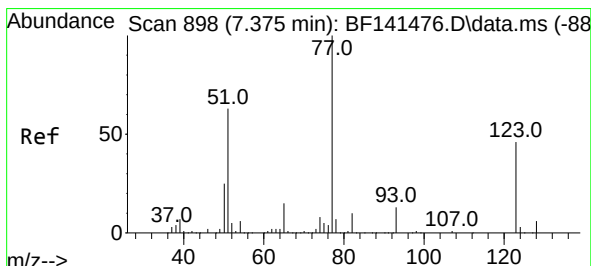
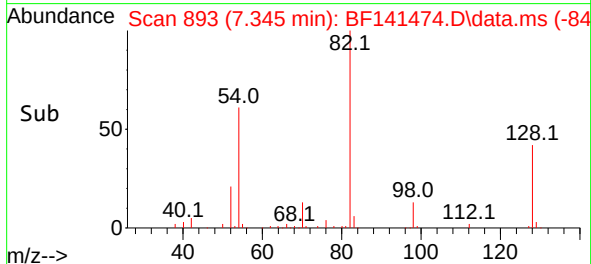
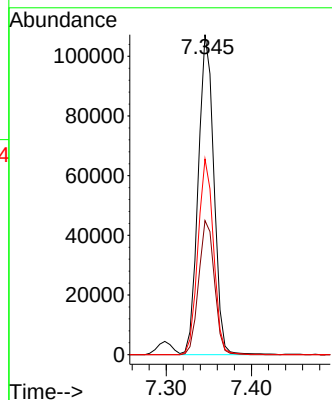
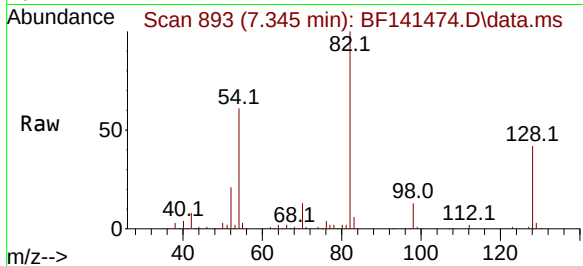




#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

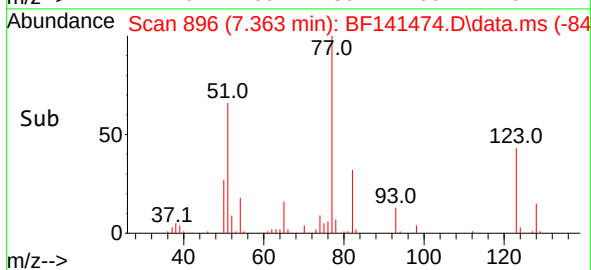
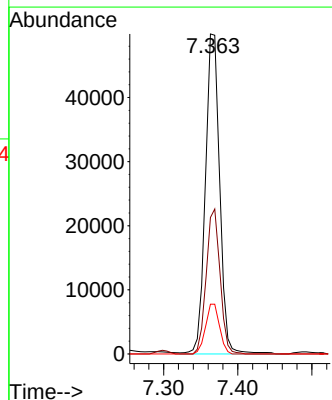
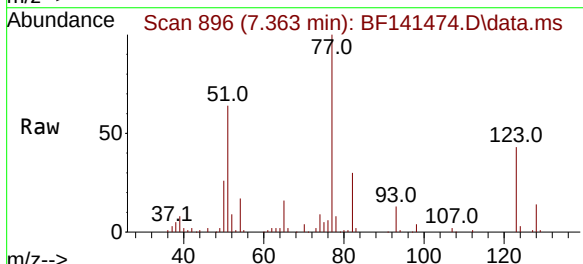
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

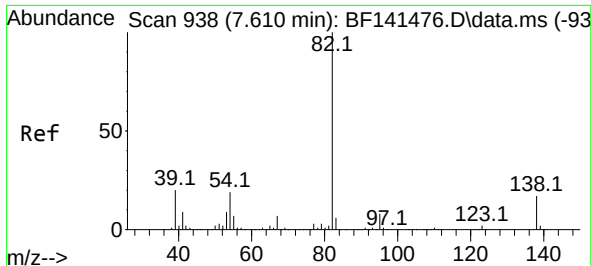
Tgt Ion: 82 Resp: 136996
Ion Ratio Lower Upper
82 100
128 41.9 34.8 52.2
54 61.2 48.2 72.4



#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

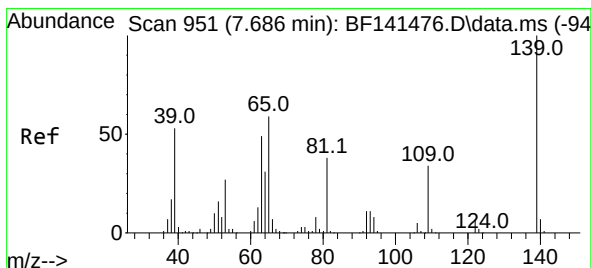
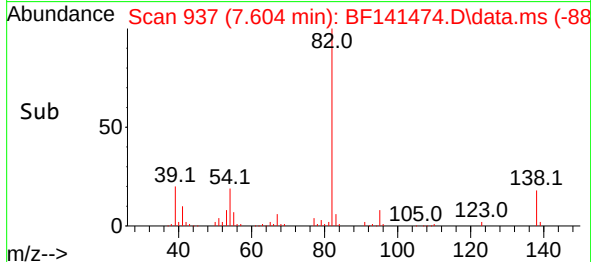
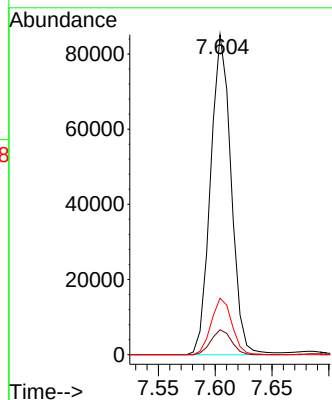
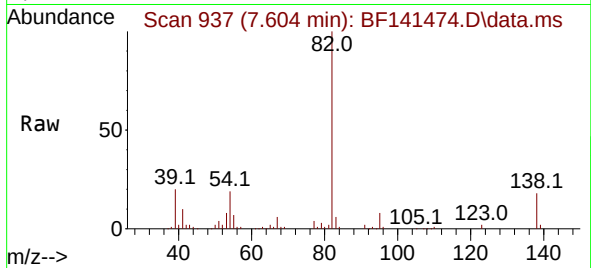




#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 911
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

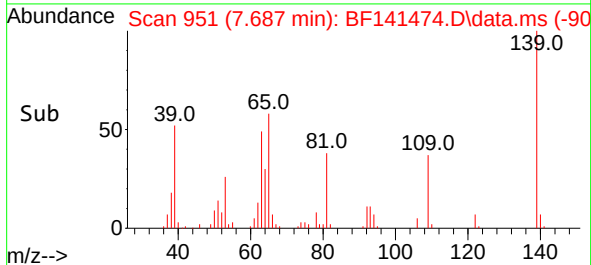
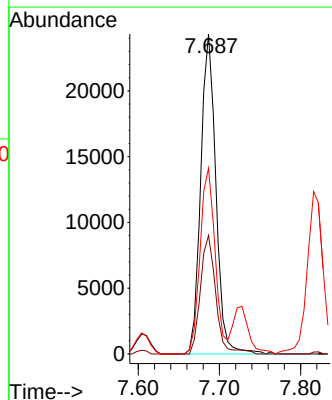
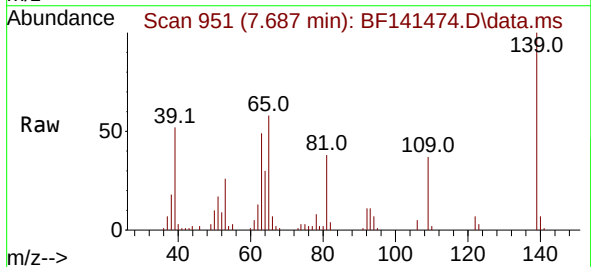
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

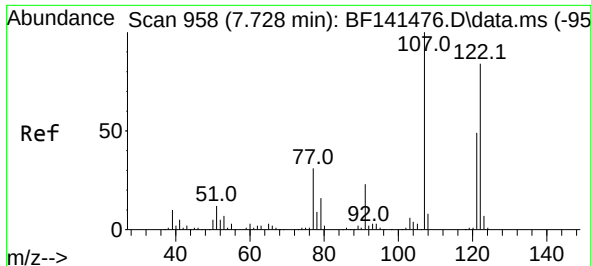
Tgt Ion: 82 Resp: 107242
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.7 13.9 20.9



#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

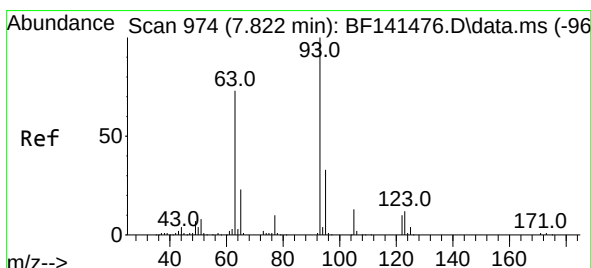
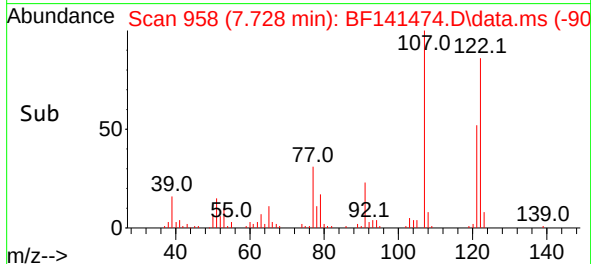
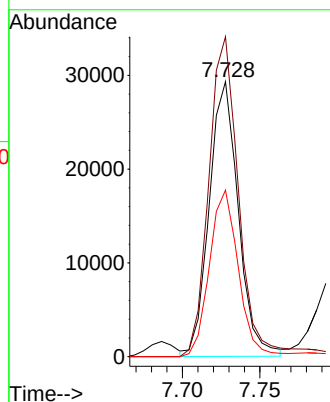
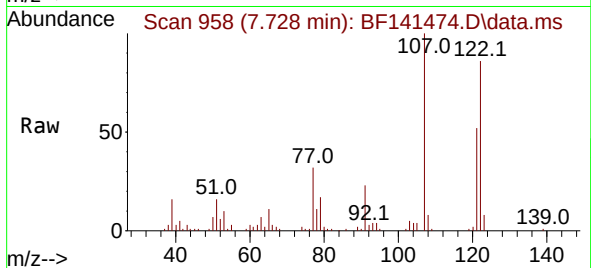




#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

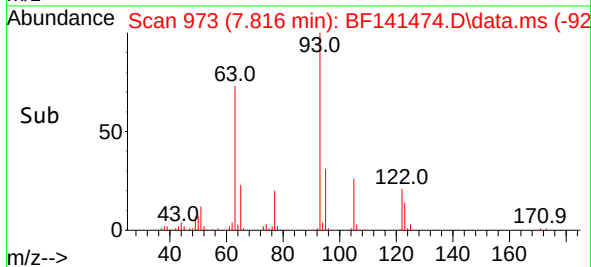
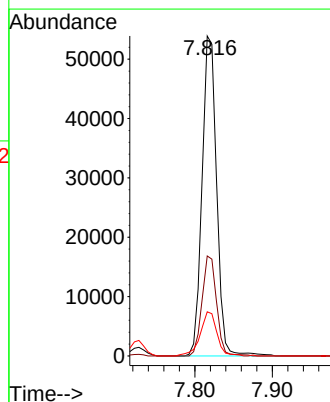
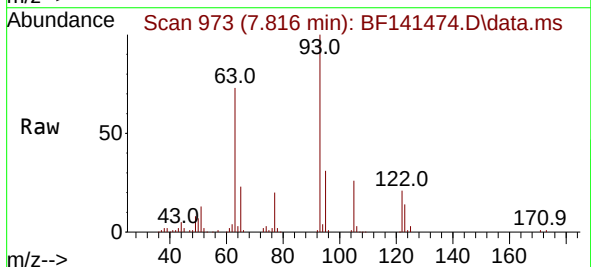
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

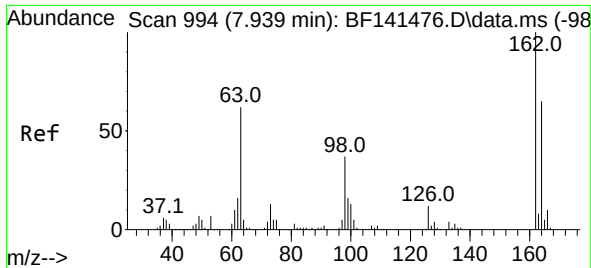
Tgt Ion:	122	Resp:	38303
Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	60.5	46.0	69.0



#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

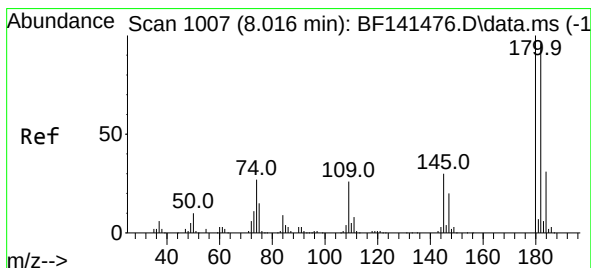
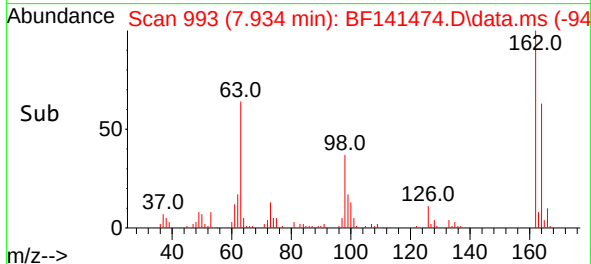
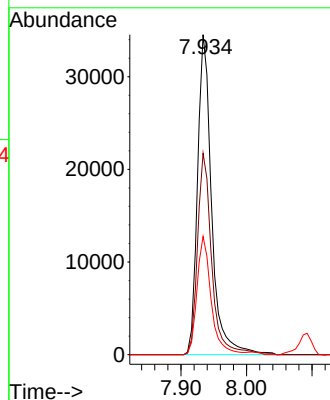
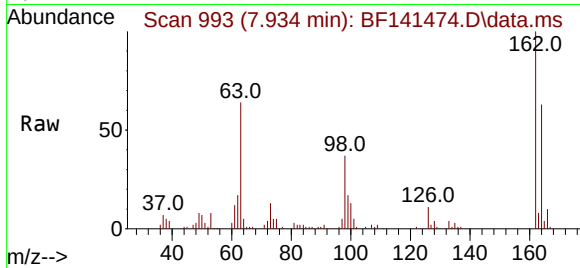
Tgt Ion:162 Resp: 51883

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

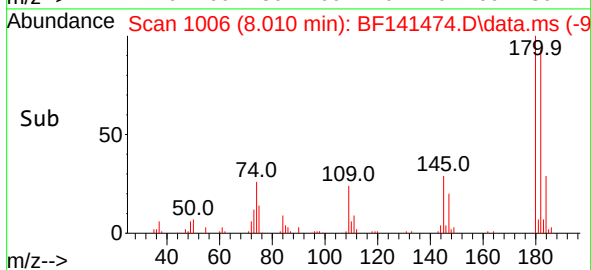
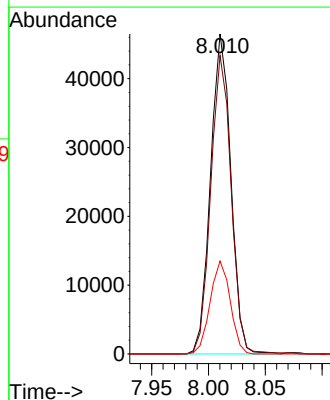
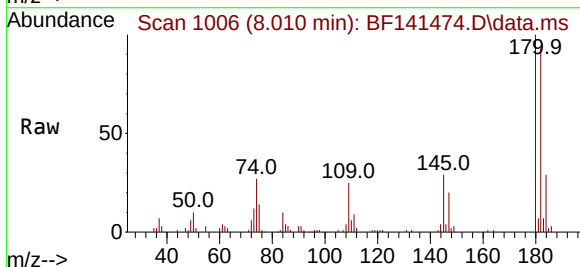
Tgt Ion:180 Resp: 57937

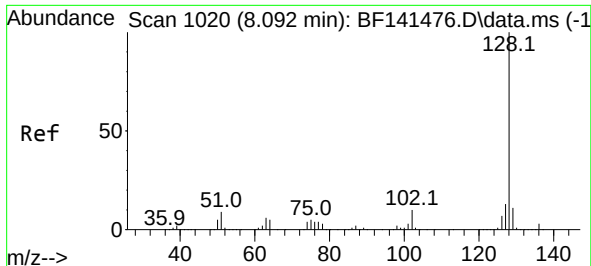
Ion Ratio Lower Upper

180 100

182 93.3 76.8 115.2

145 29.1 24.2 36.4

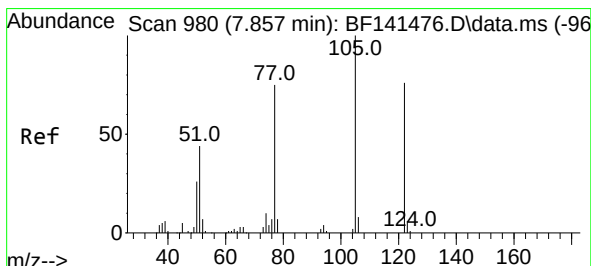
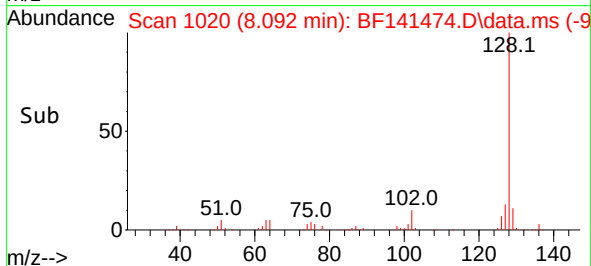
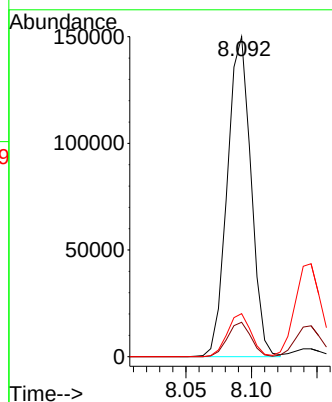
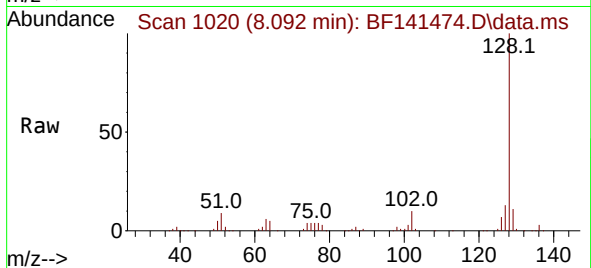




#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

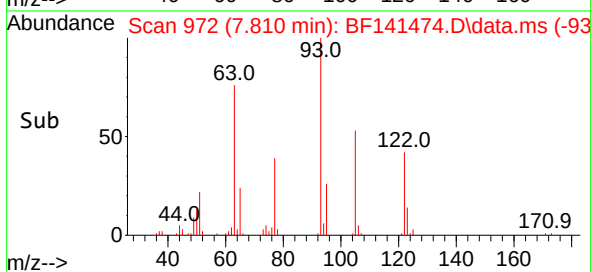
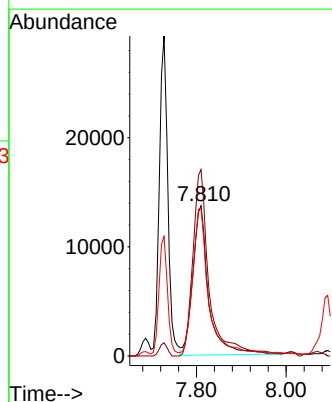
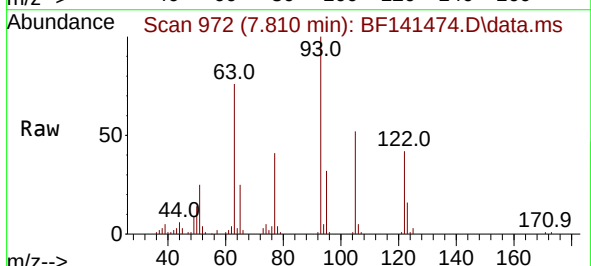
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

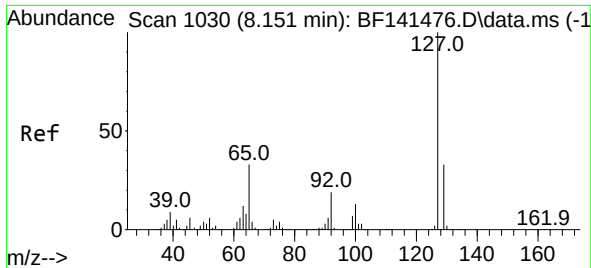
Tgt Ion:128 Resp: 188046
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.5 10.7 16.1



#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

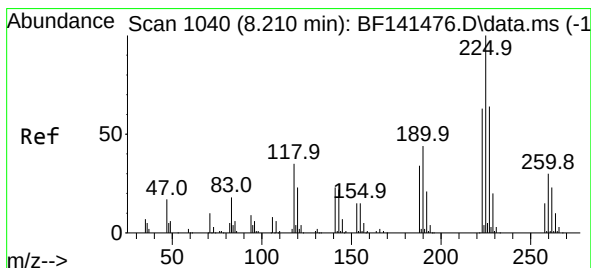
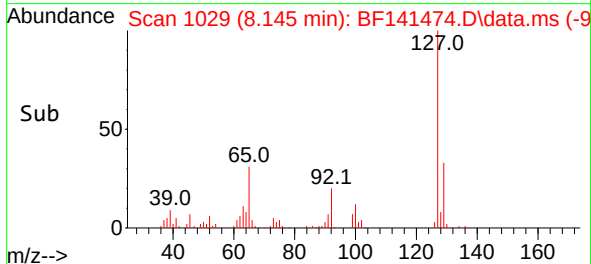
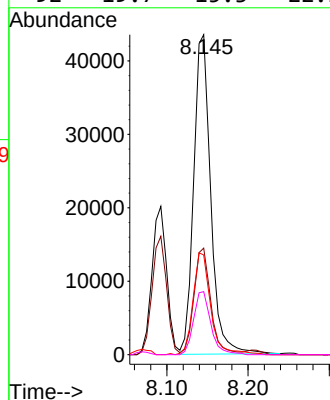
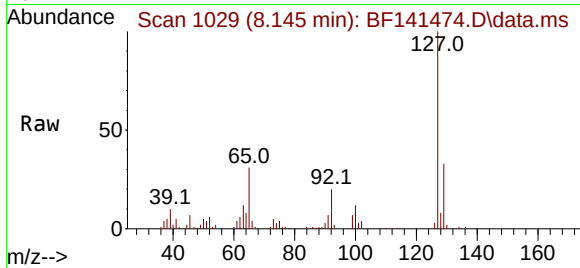




#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

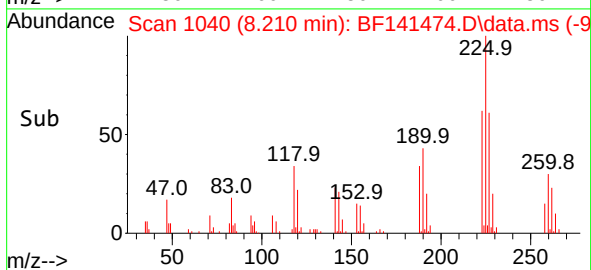
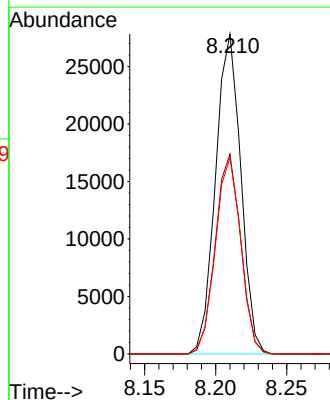
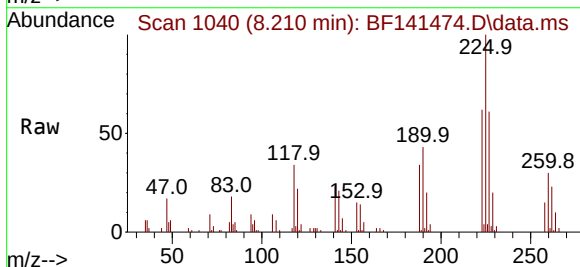
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

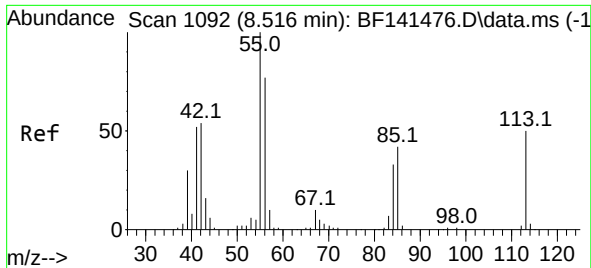
Tgt Ion:127	Resp:	63529
Ion Ratio	Lower	Upper
127	100	
129	33.3	26.5 39.7
65	31.2	26.4 39.6
92	19.7	15.3 22.9



#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

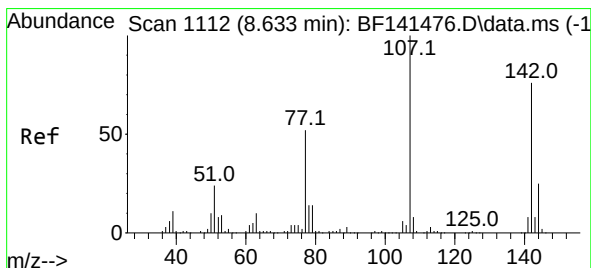
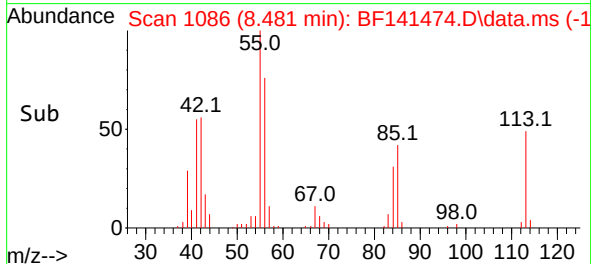
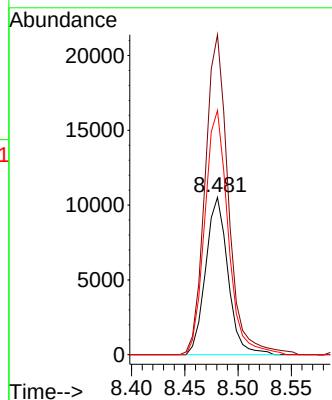
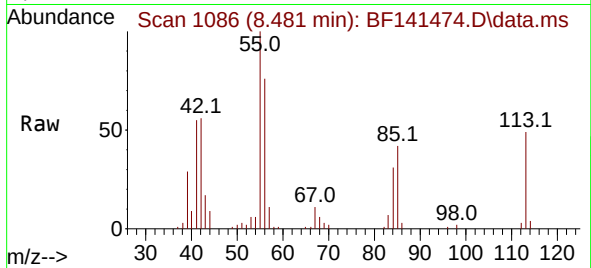




#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1108
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

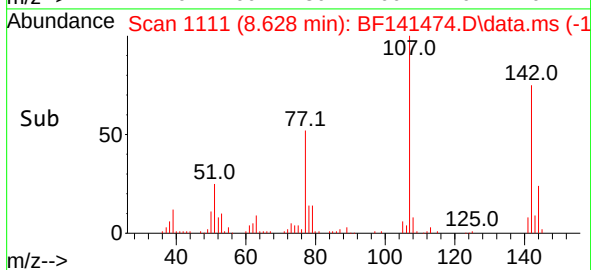
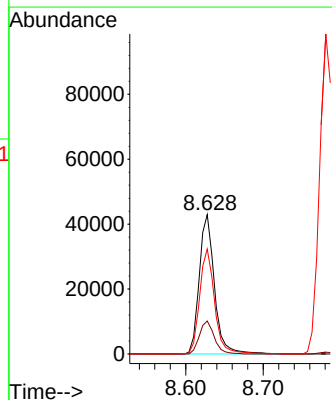
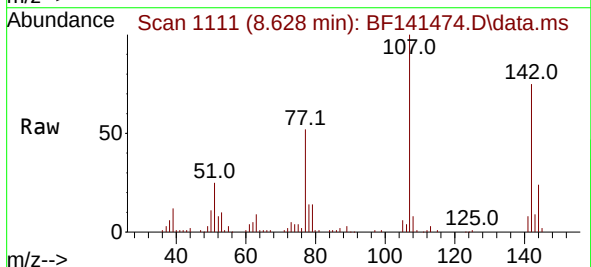
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

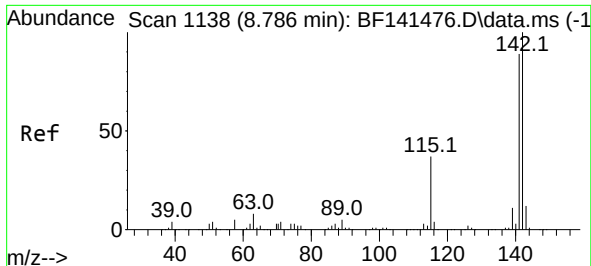
Tgt Ion:113 Resp: 15331
Ion Ratio Lower Upper
113 100
55 203.4 180.8 220.8
56 155.4 133.6 173.6



#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

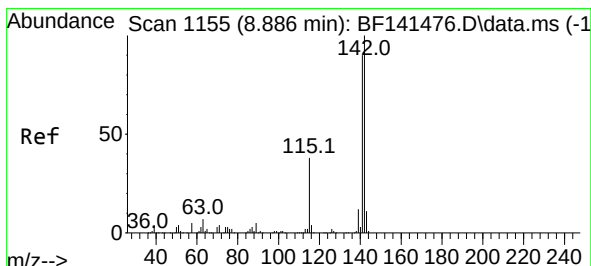
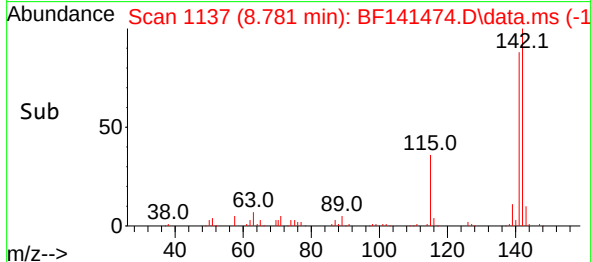
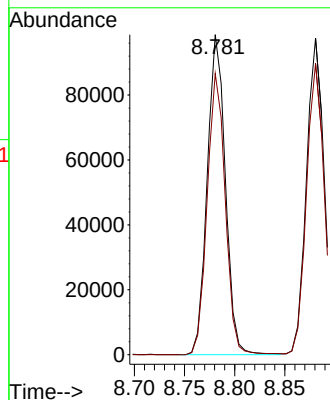
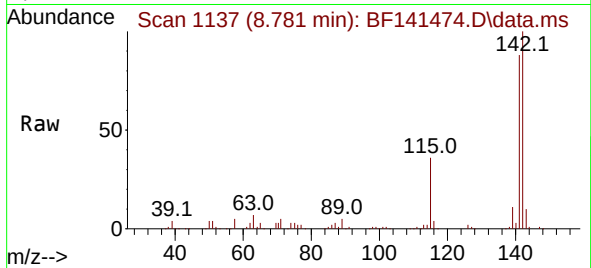




#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

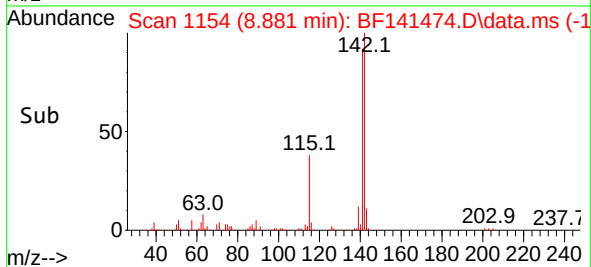
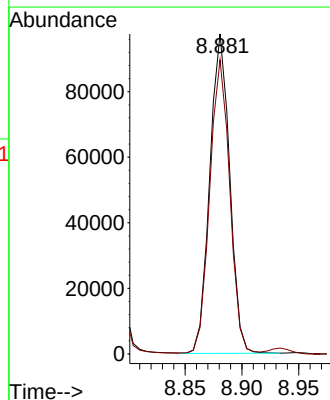
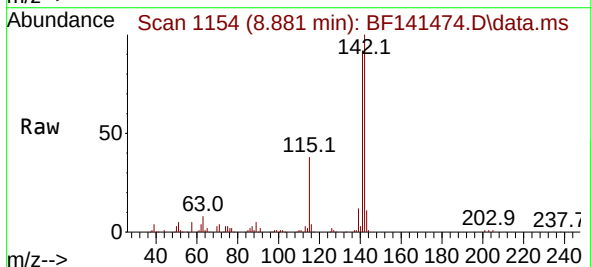
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

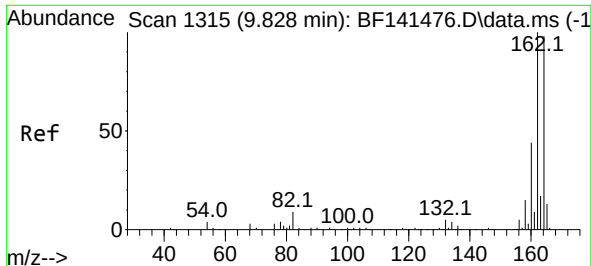
Tgt Ion:142 Resp: 124517
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8



#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

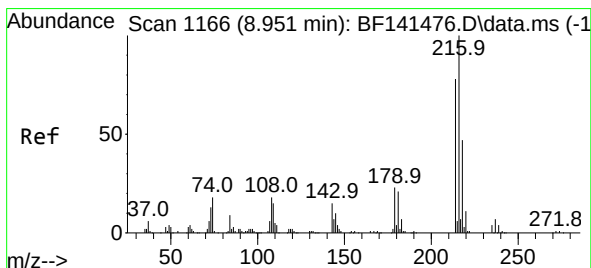
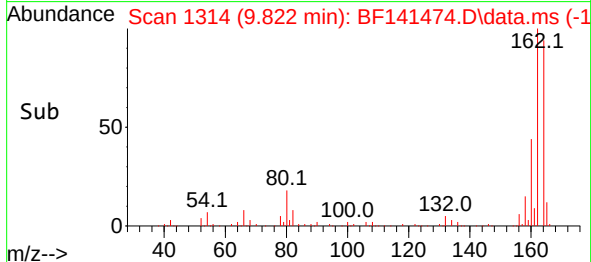
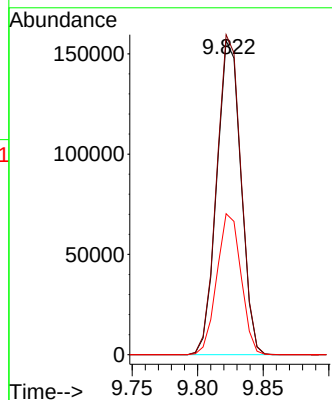
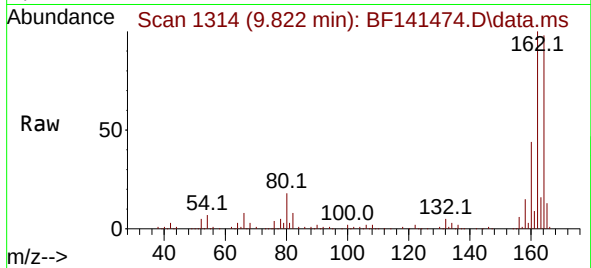




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

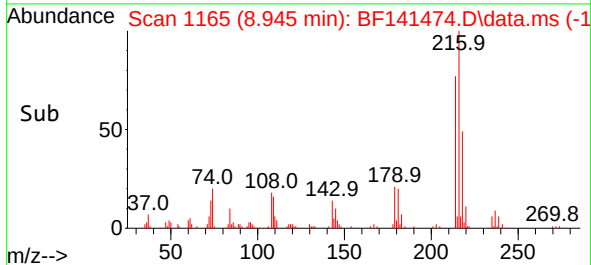
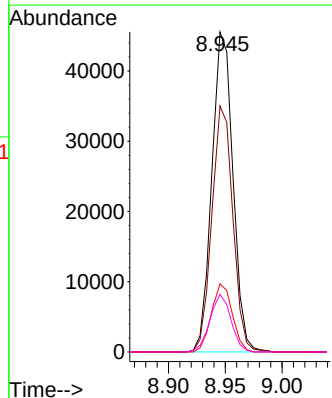
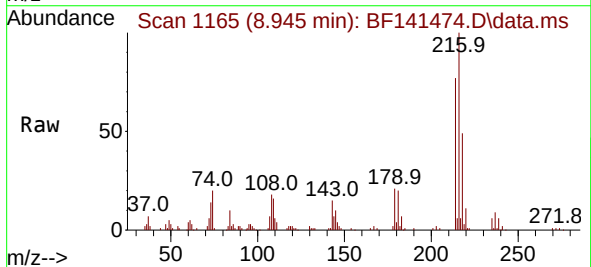
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

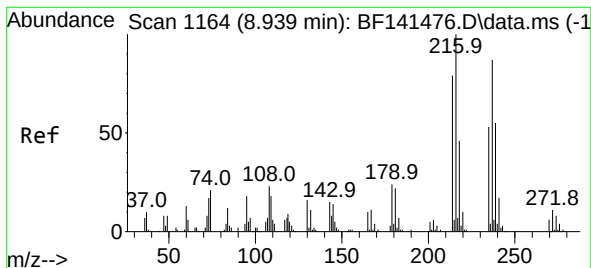
Tgt Ion:164 Resp: 200046
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 44.9 35.9 53.9



#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

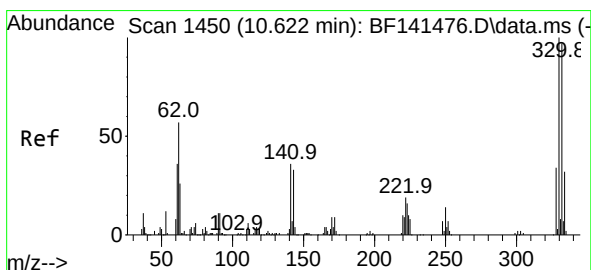
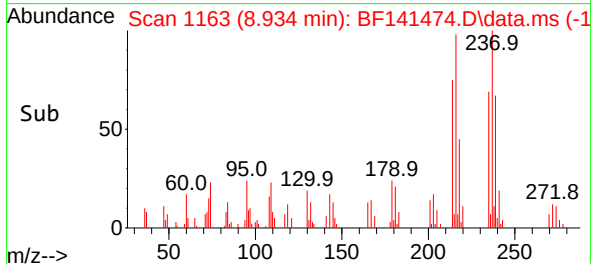
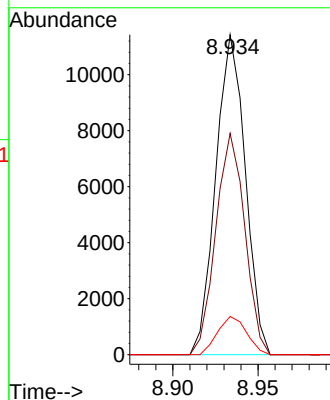
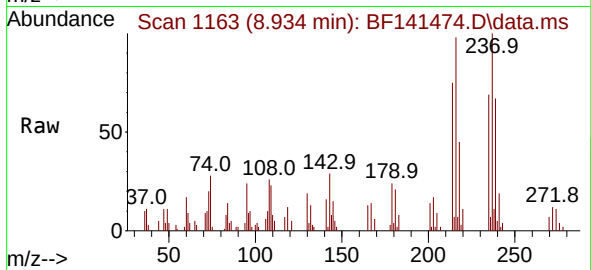
Tgt Ion:237 Resp: 13785

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

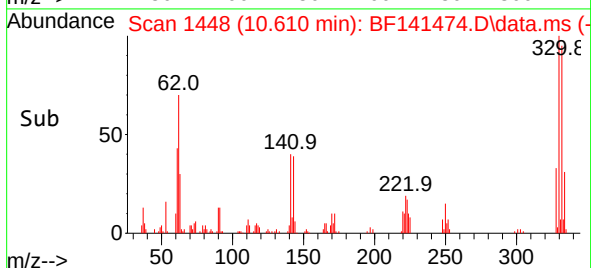
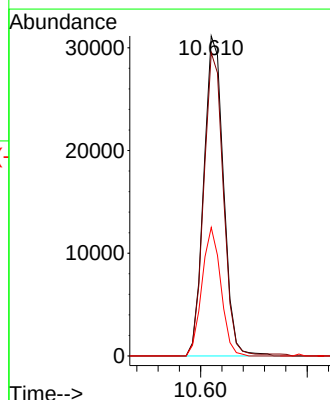
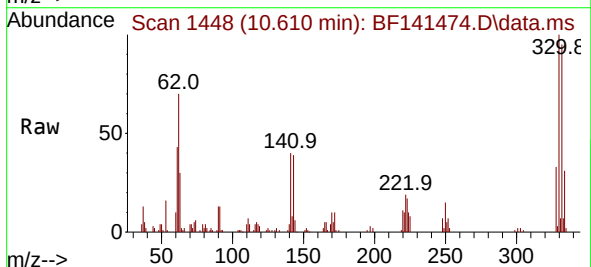
Tgt Ion:330 Resp: 40073

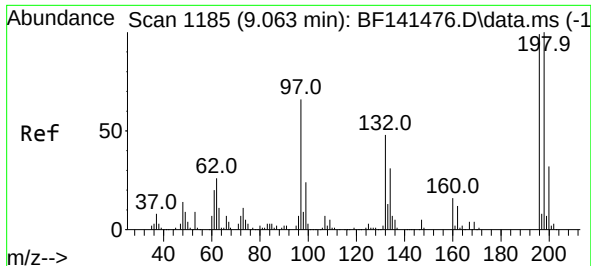
Ion Ratio Lower Upper

330 100

332 94.1 78.5 117.7

141 38.6 31.0 46.4

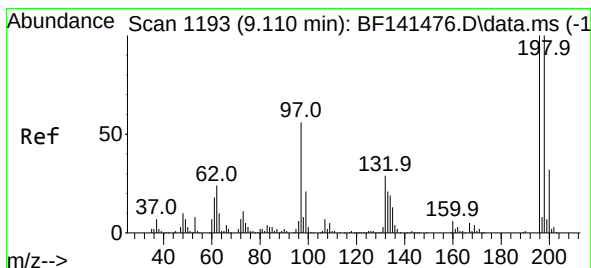
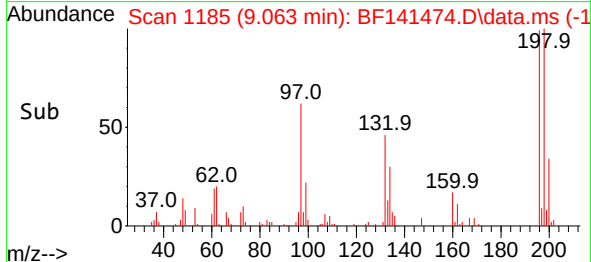
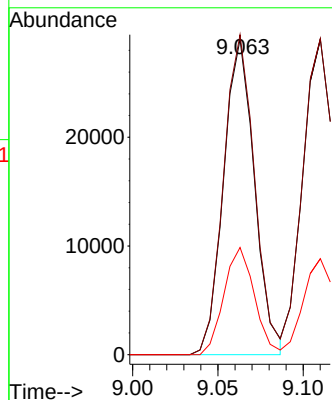
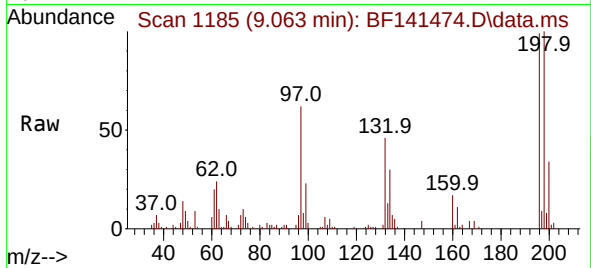




#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

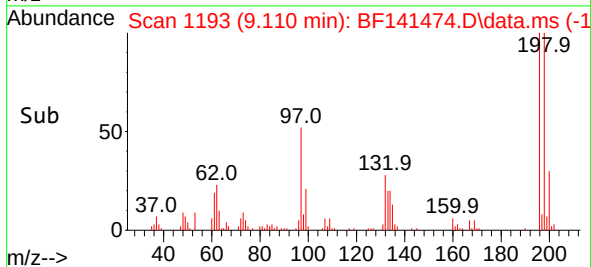
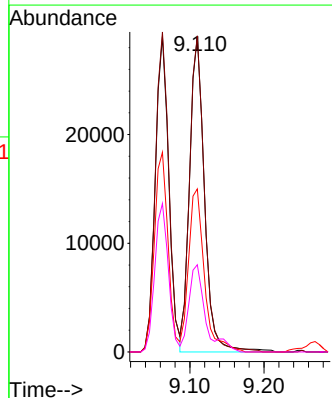
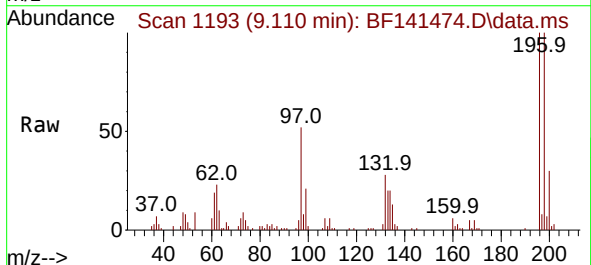
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

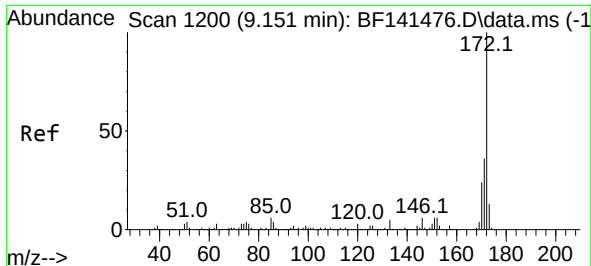
Tgt Ion:196 Resp: 36558
Ion Ratio Lower Upper
196 100
198 101.5 80.6 121.0
200 34.0 25.5 38.3



#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

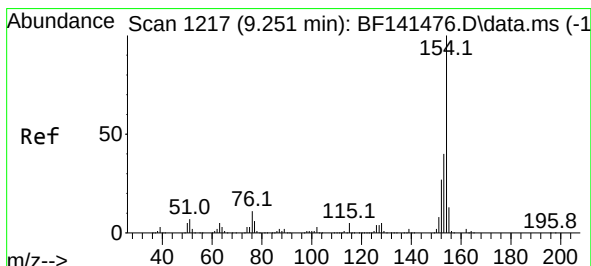
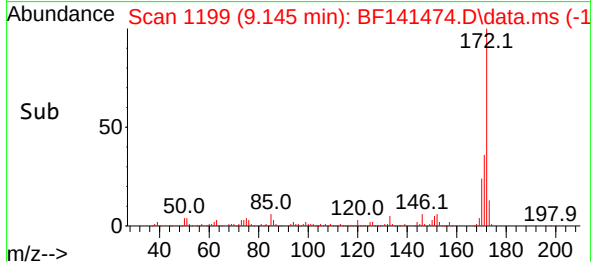
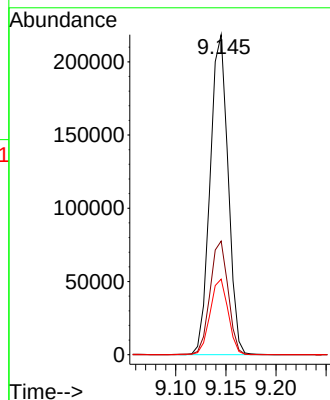
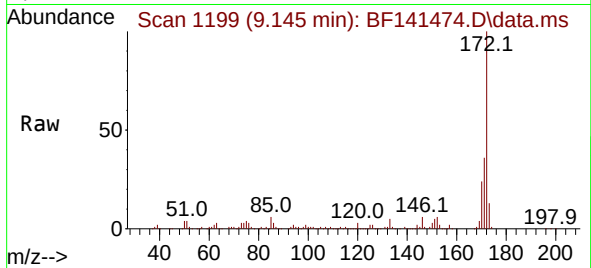




#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

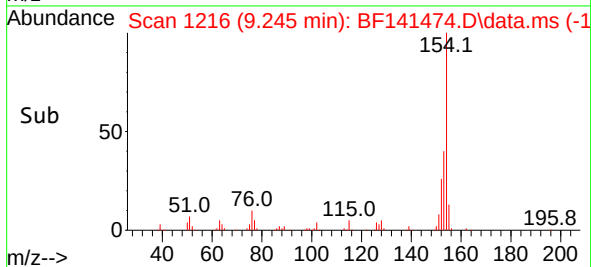
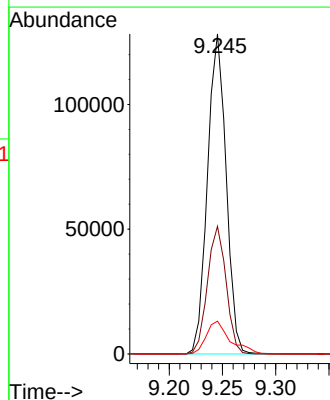
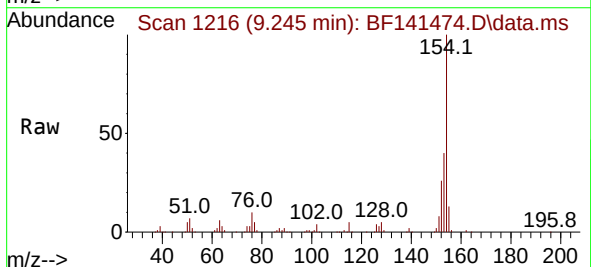
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

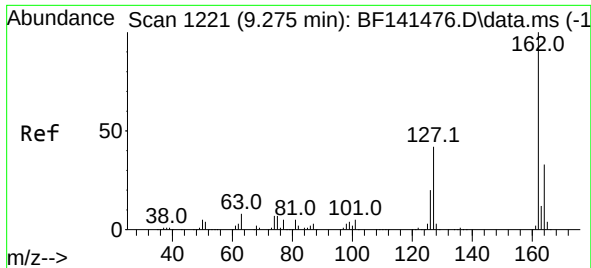
Tgt Ion:172 Resp: 271988
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.6 18.9 28.3



#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 :

SSTDICC010

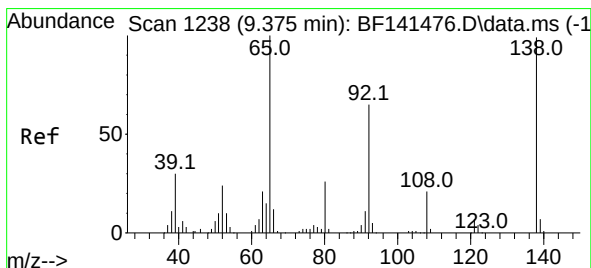
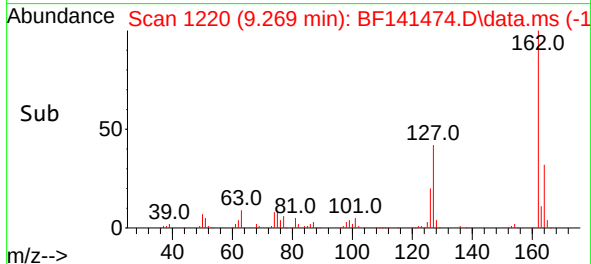
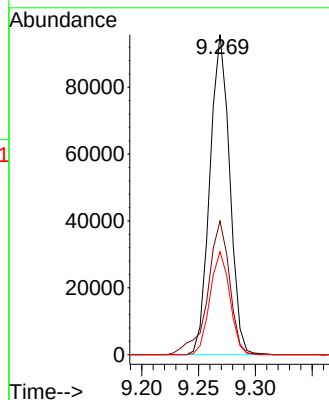
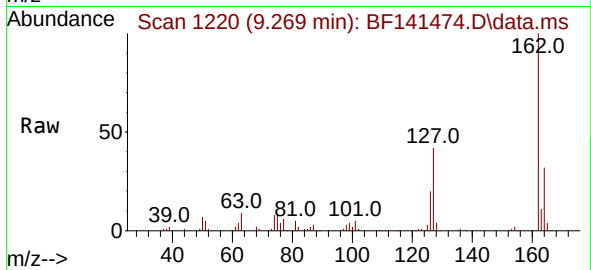
Tgt Ion:162 Resp: 116119

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

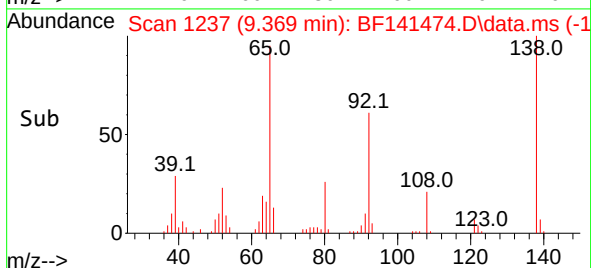
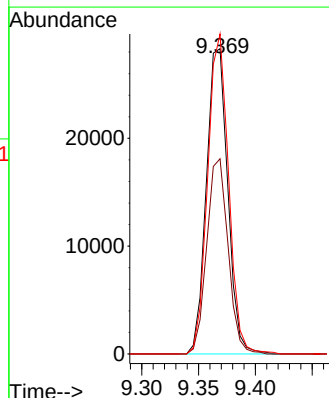
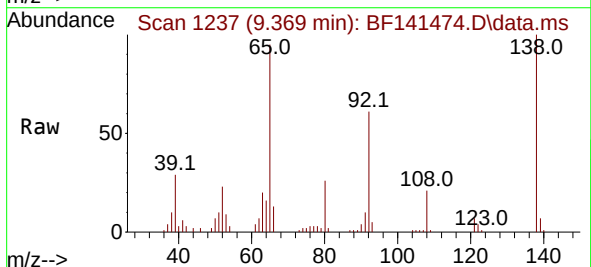
Tgt Ion: 65 Resp: 37155

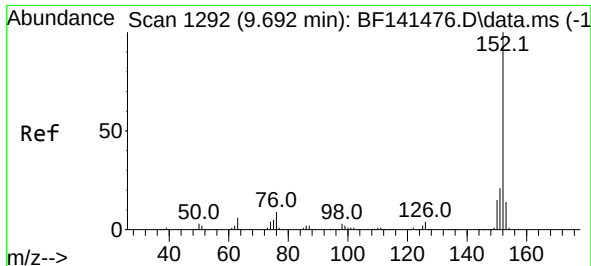
Ion Ratio Lower Upper

65 100

92 63.9 52.2 78.2

138 104.8 79.5 119.3

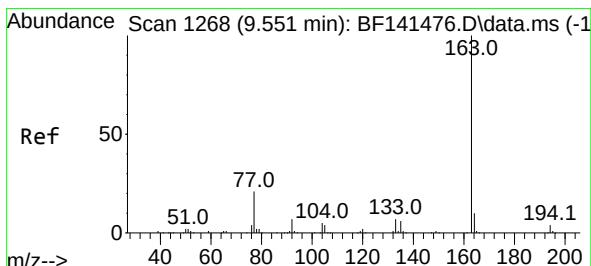
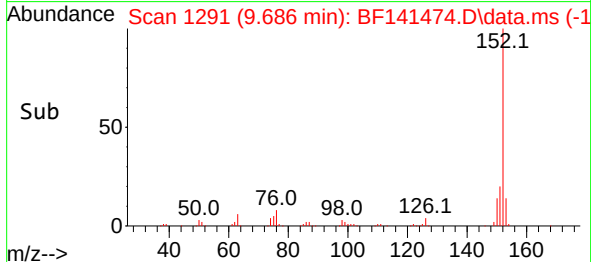
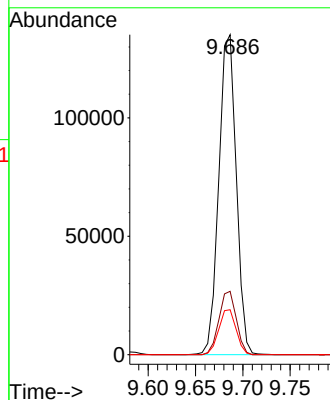
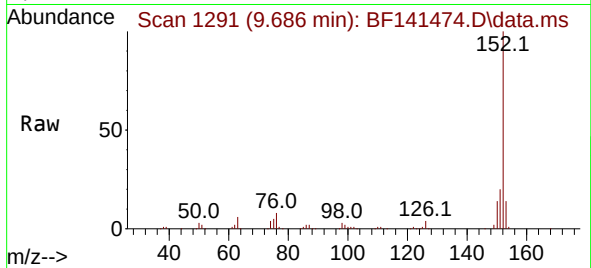




#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

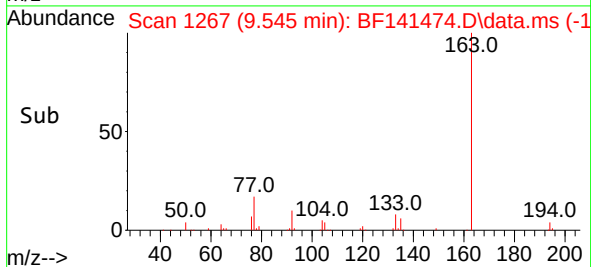
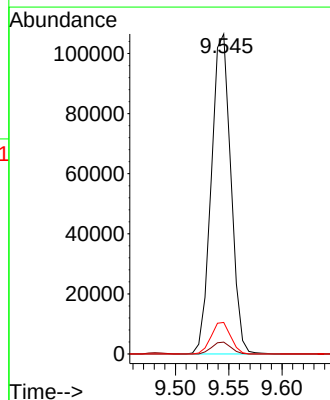
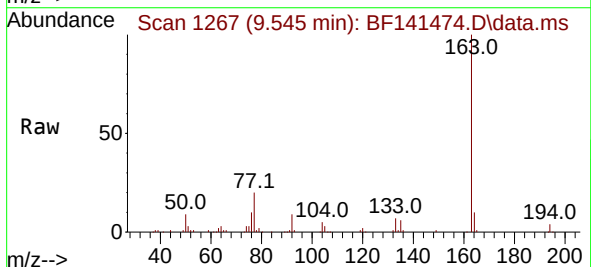
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

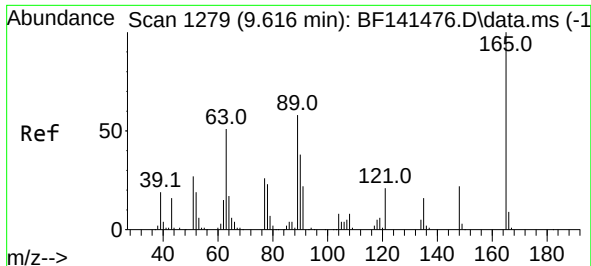
Tgt Ion:152 Resp: 173644
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 14.1 10.9 16.3



#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

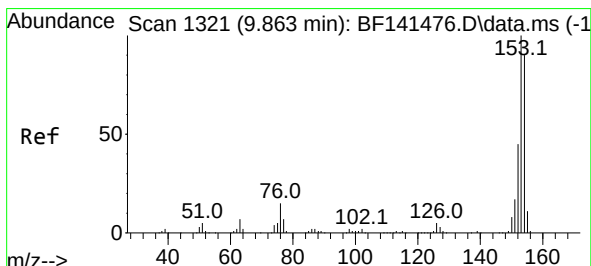
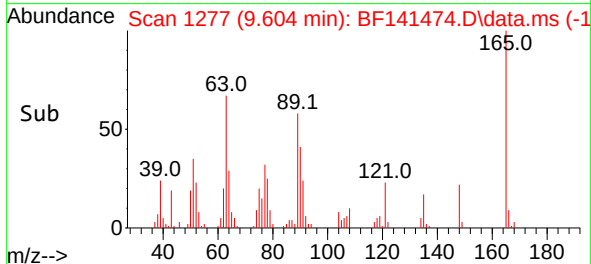
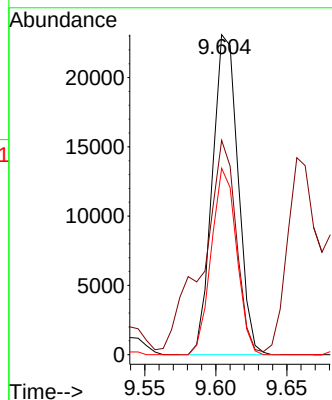
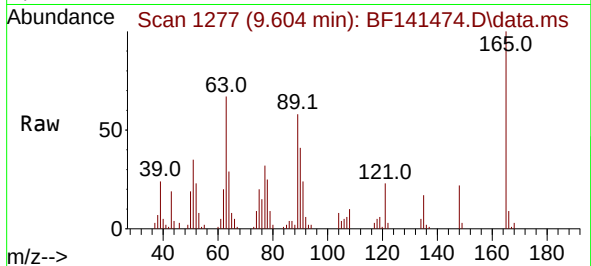




#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

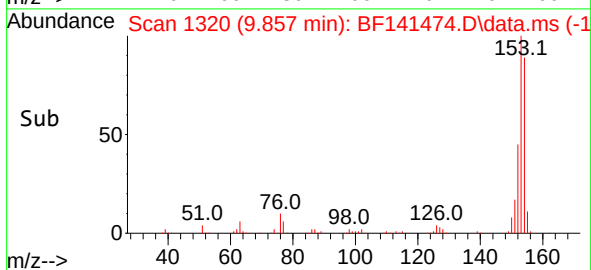
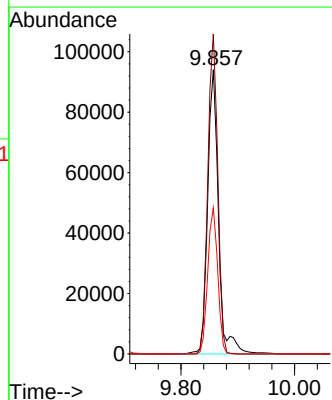
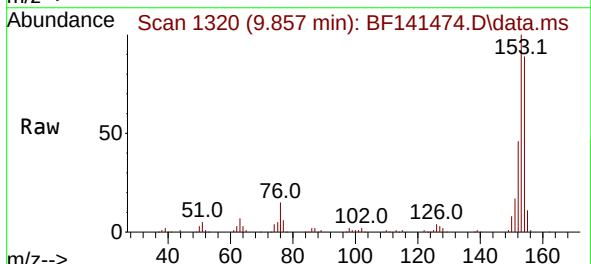
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

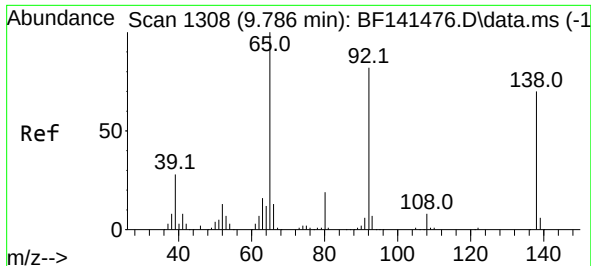
Tgt Ion:	165	Resp:	29006
Ion Ratio	Lower	Upper	
165	100		
63	67.0	49.4	74.0
89	58.2	46.5	69.7



#52
Acenaphthene
Concen: 10.816 ng
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:	124038
Ion Ratio	Lower	Upper	
154	100		
153	112.5	89.2	133.8
152	51.4	39.8	59.8

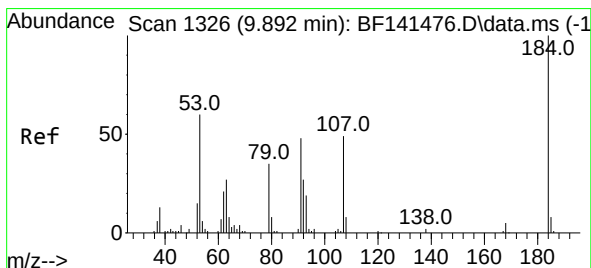
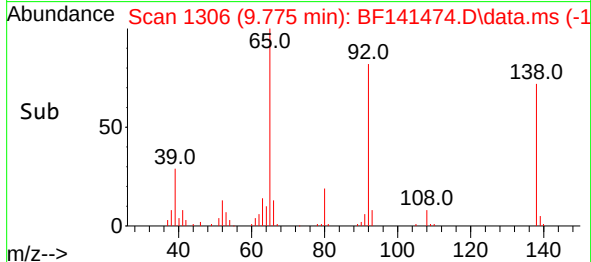
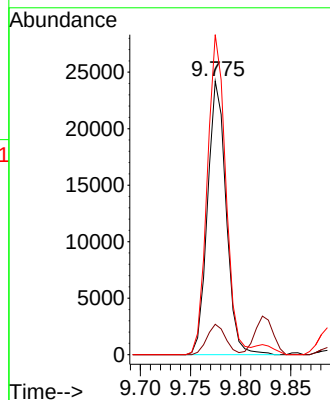
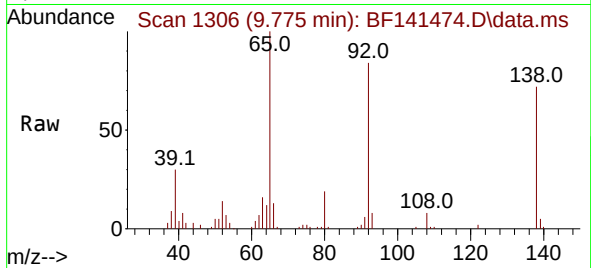




#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

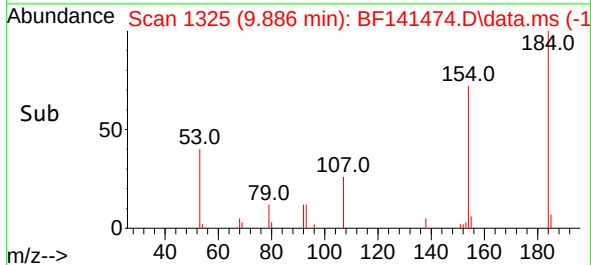
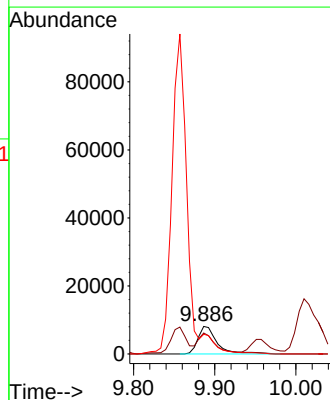
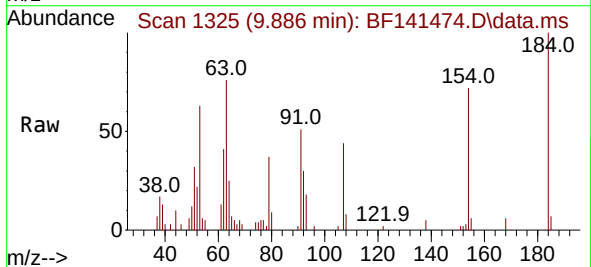
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

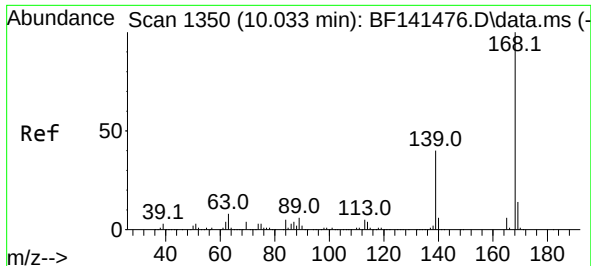
Tgt Ion:138 Resp: 31330
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 116.9 93.7 140.5



#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

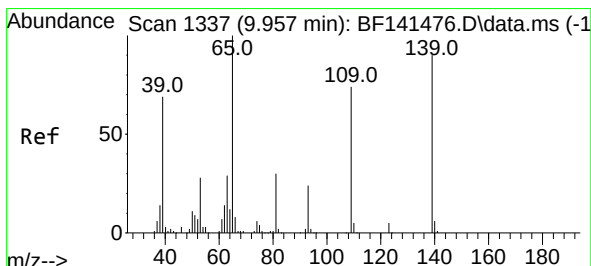
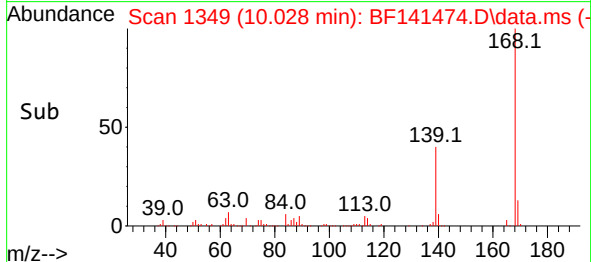
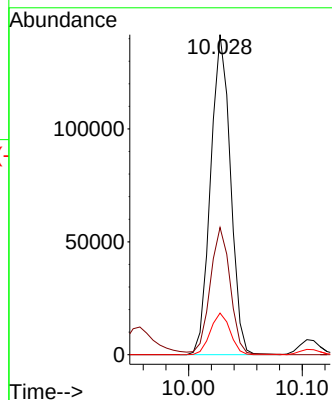
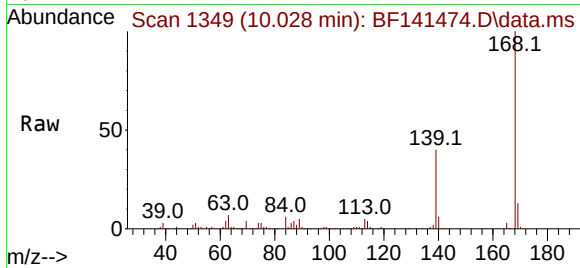




#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

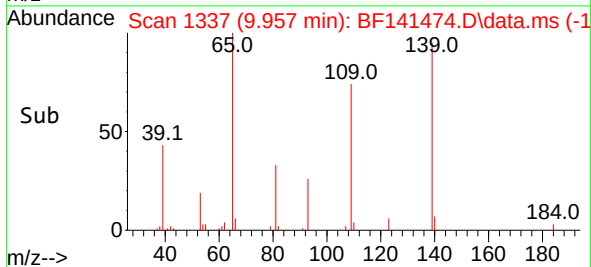
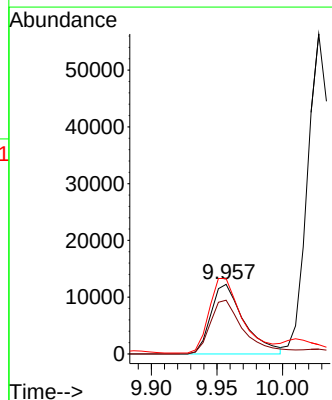
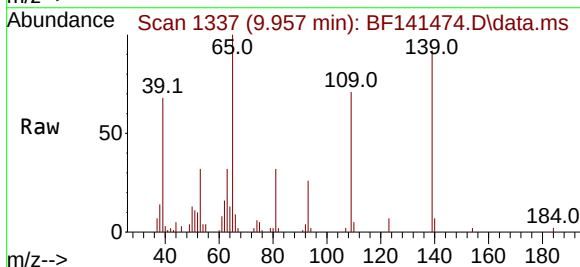
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

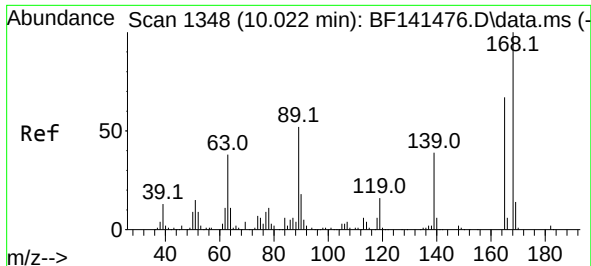
Tgt Ion:168 Resp: 172206
Ion Ratio Lower Upper
168 100
139 39.8 32.7 49.1
169 13.0 10.8 16.2



#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

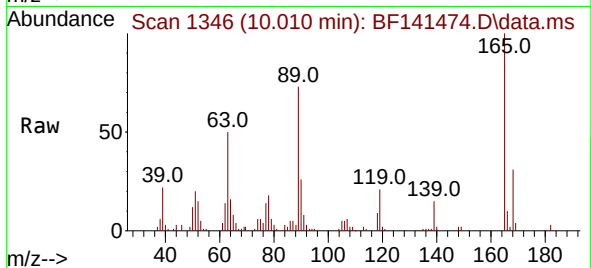
Tgt Ion:139 Resp: 21569
Ion Ratio Lower Upper
139 100
109 77.2 62.0 102.0
65 108.2 91.2 131.2



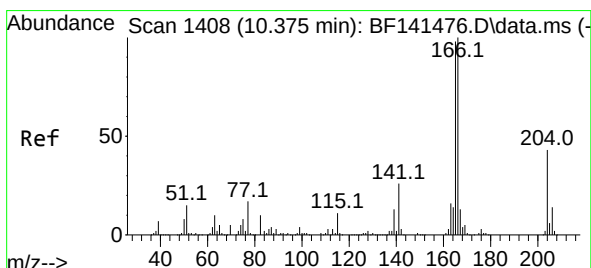
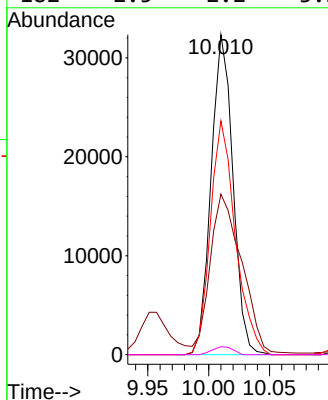
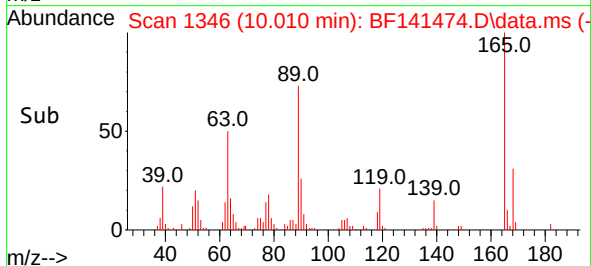


#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

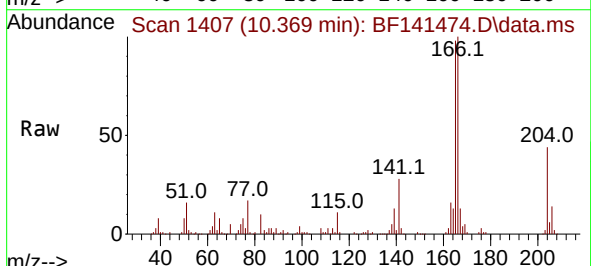
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



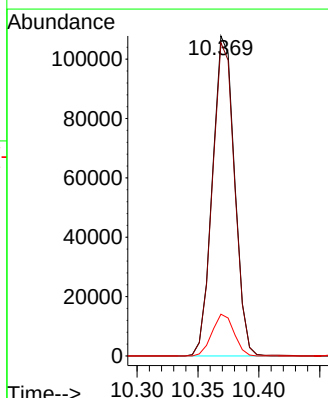
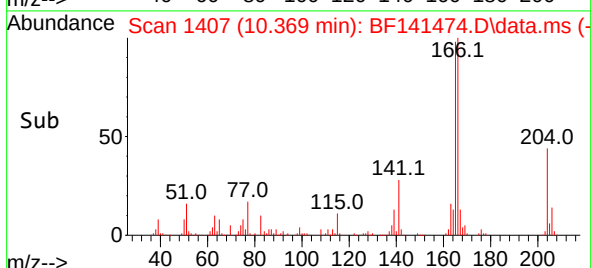
Tgt Ion:	165	Resp:	40306
Ion Ratio	Lower	Upper	
165	100		
63	50.1	46.4	69.6
89	73.1	61.8	92.6
182	2.5	2.2	3.2

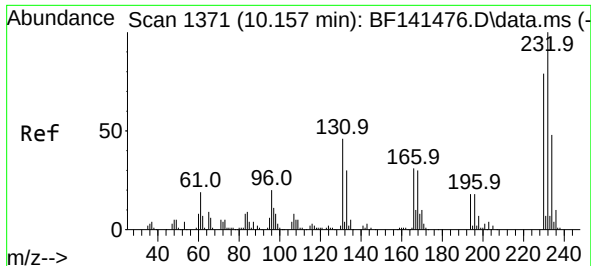


#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00



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

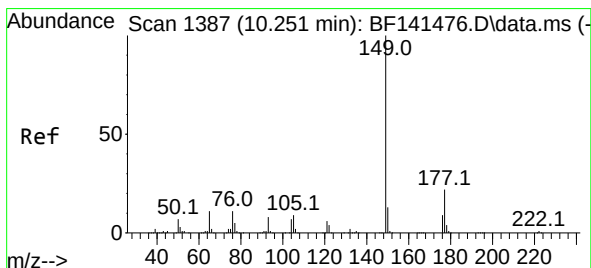
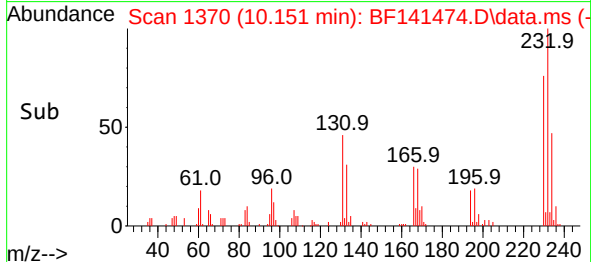
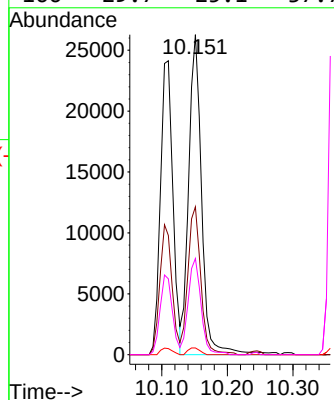
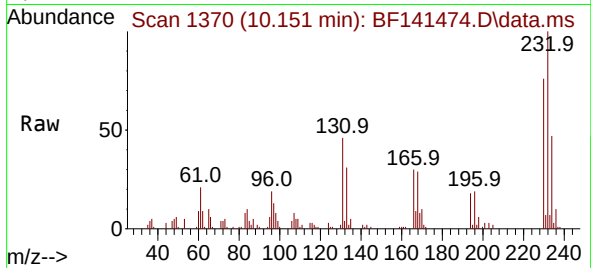




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

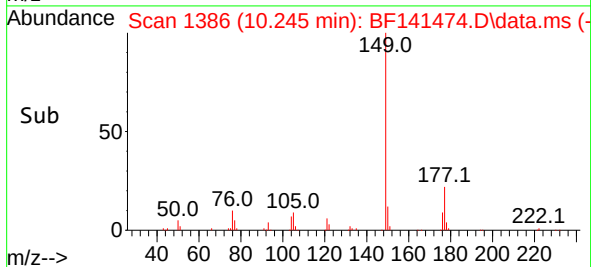
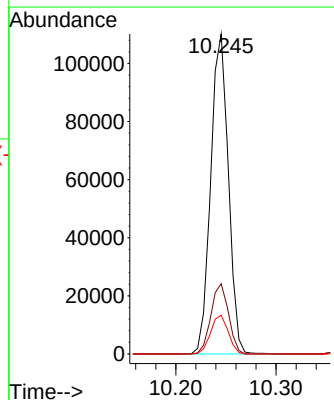
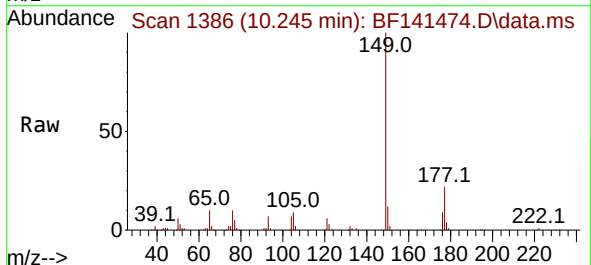
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

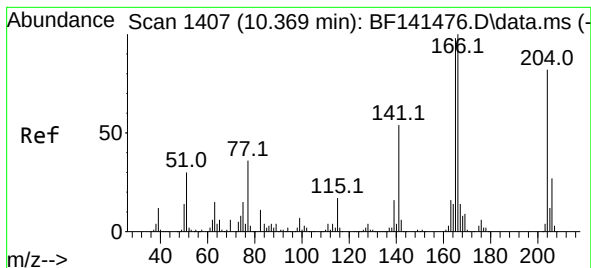
Tgt Ion:232 Resp: 36102
Ion Ratio Lower Upper
232 100
131 45.8 39.2 58.8
130 1.9 2.1 3.1#
166 29.7 25.1 37.7



#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

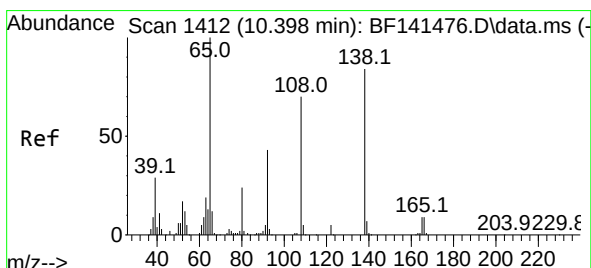
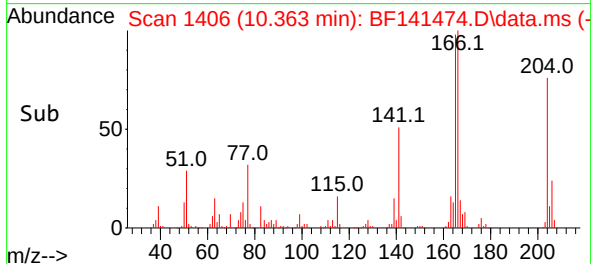
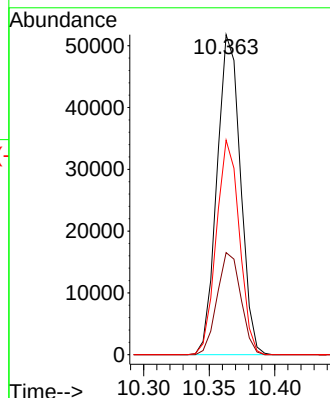
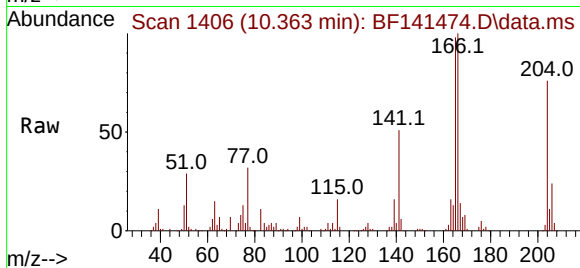




#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

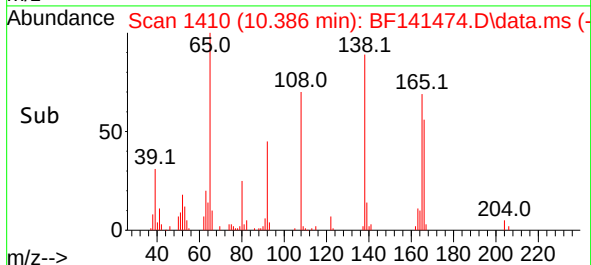
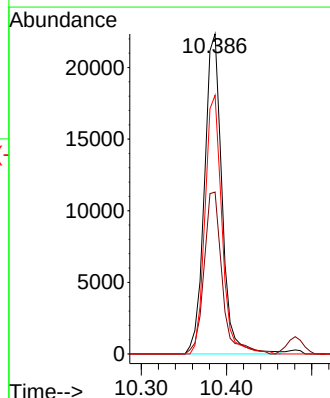
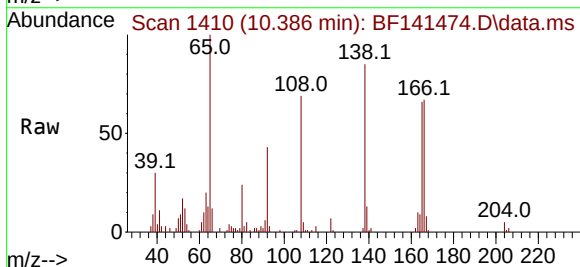
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

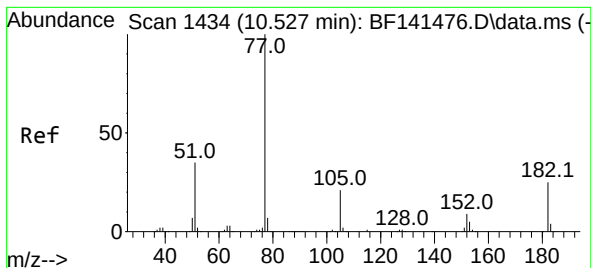
Tgt Ion:204 Resp: 64305
Ion Ratio Lower Upper
204 100
206 31.9 26.6 40.0
141 67.1 51.9 77.9



#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

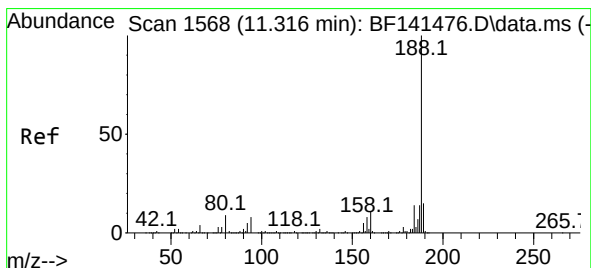
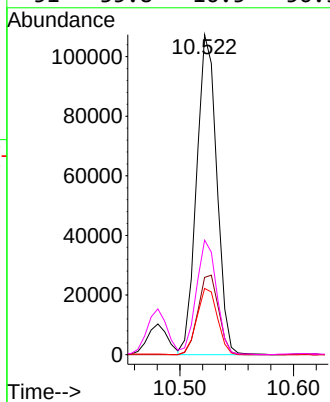
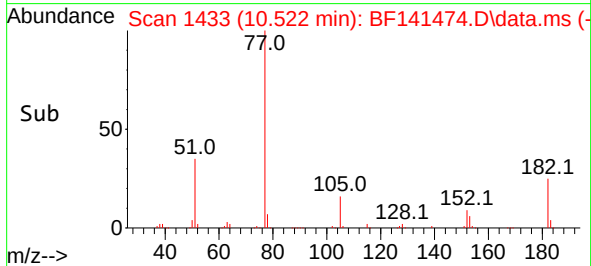
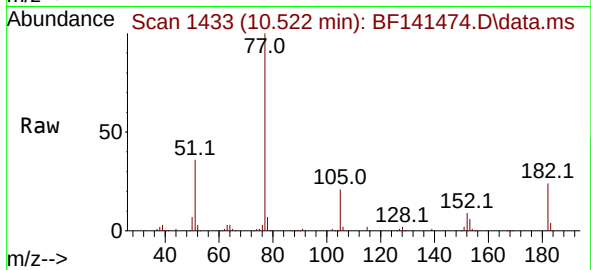




#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

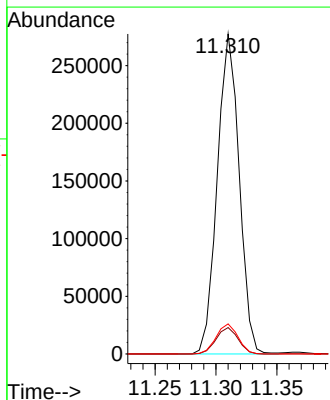
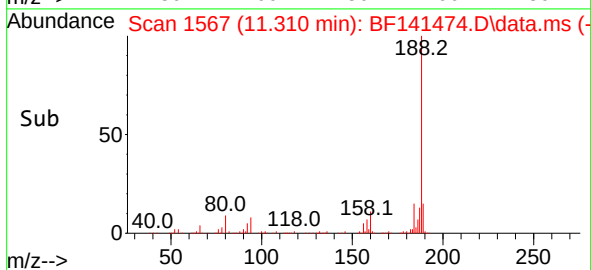
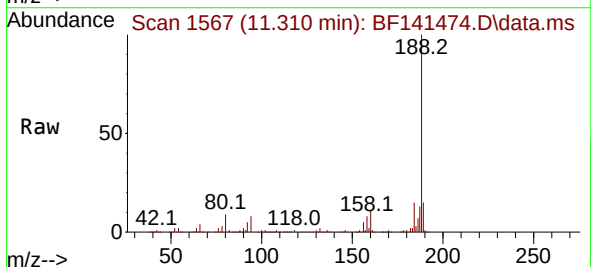
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

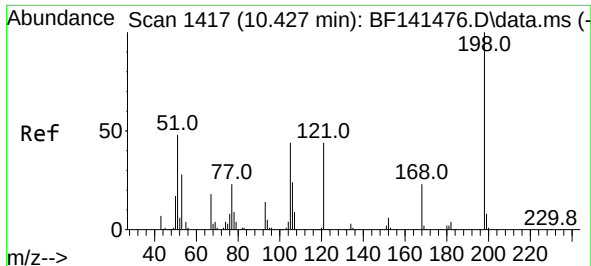
Tgt Ion:	77	Resp:	132968
Ion Ratio	Lower	Upper	
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5



#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

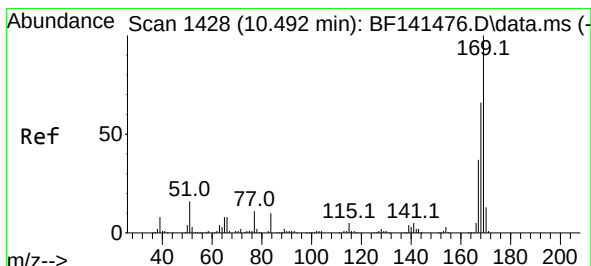
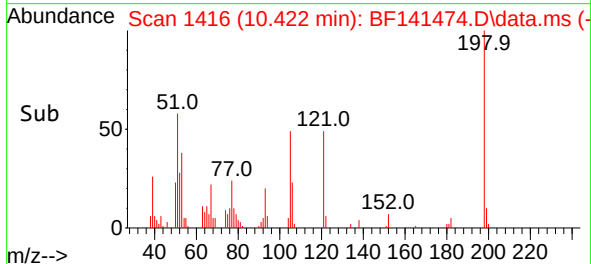
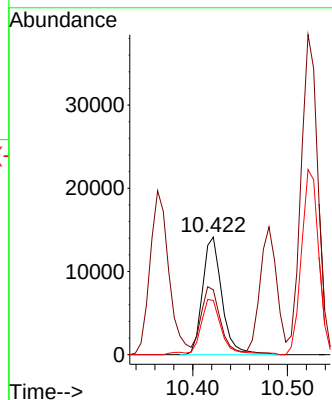
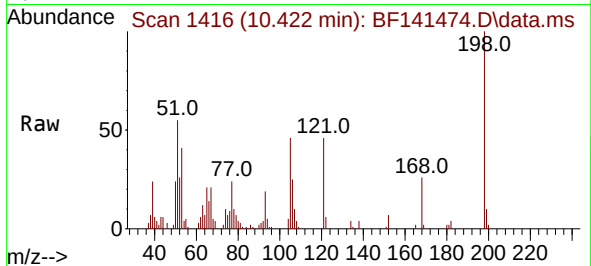




#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

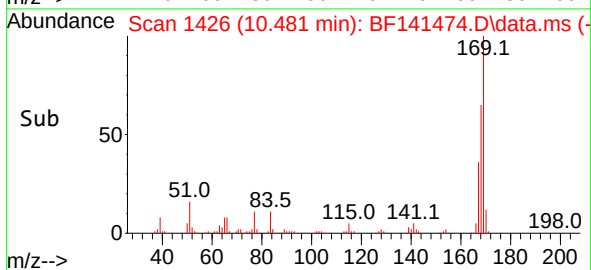
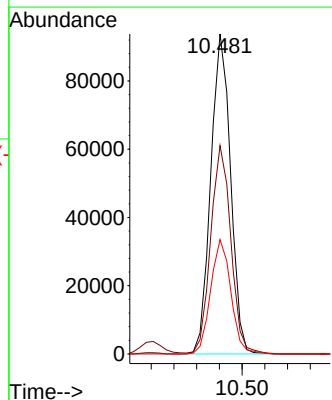
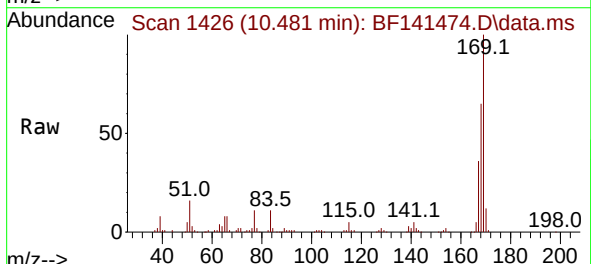
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

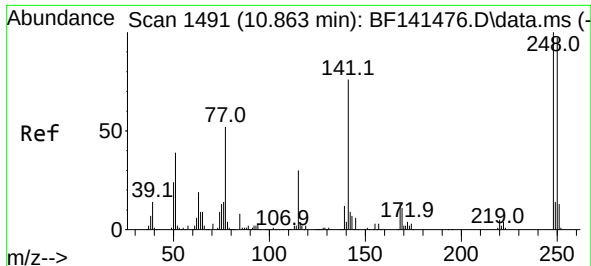
Tgt Ion:198 Resp: 20074
Ion Ratio Lower Upper
198 100
51 55.2 37.4 77.4
105 46.2 25.2 65.2



#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

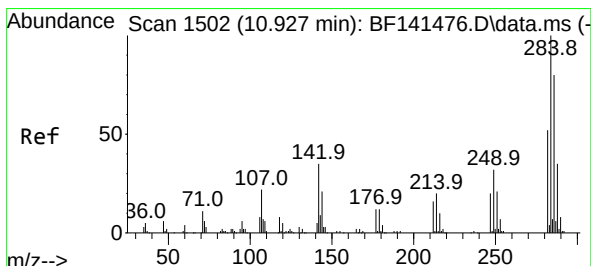
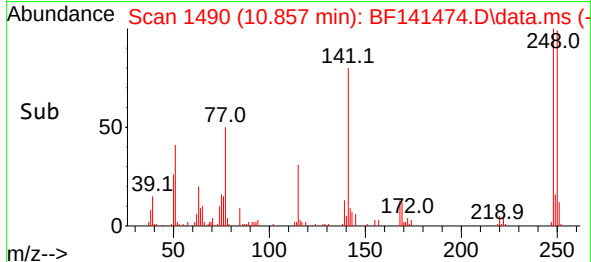
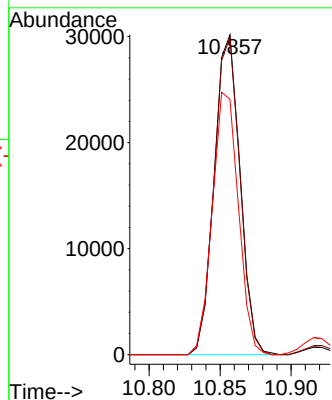
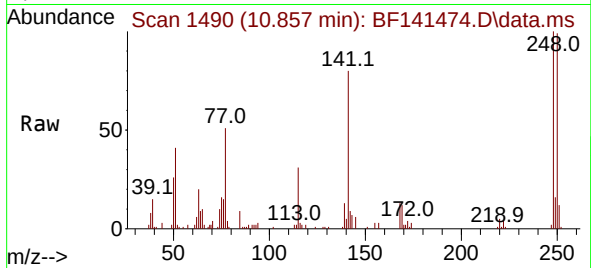




#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

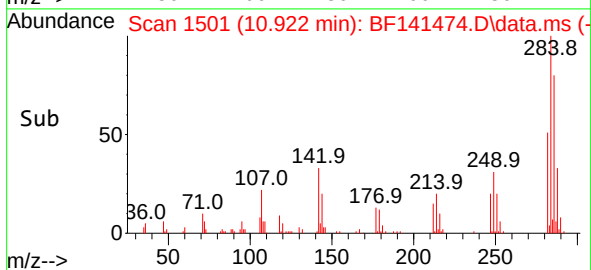
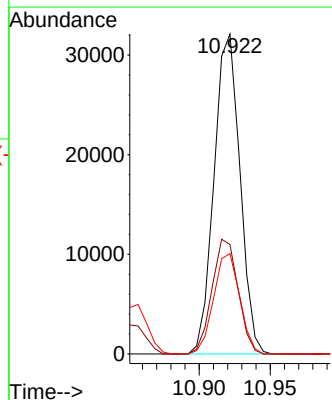
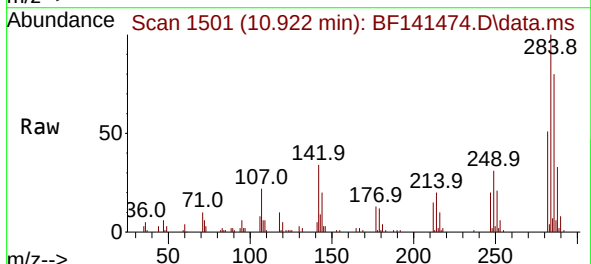
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

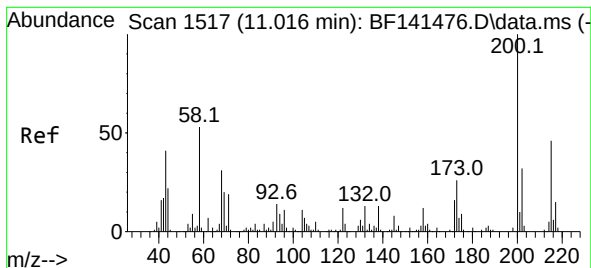
Tgt Ion:248 Resp: 38257
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.6
141 79.8 60.6 90.8



#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

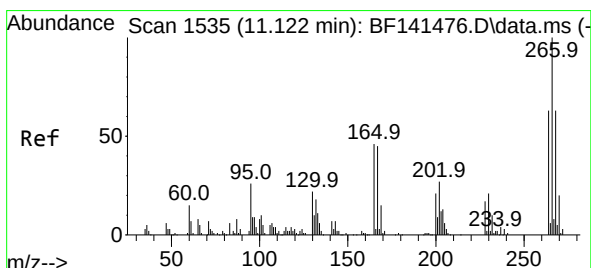
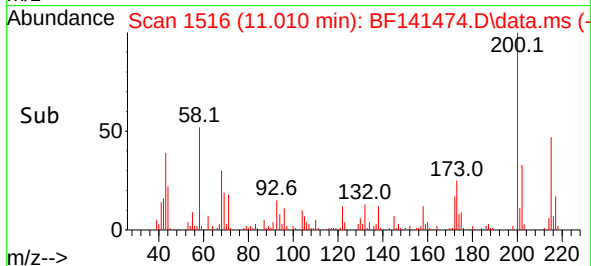
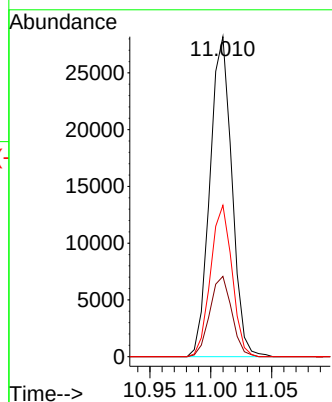
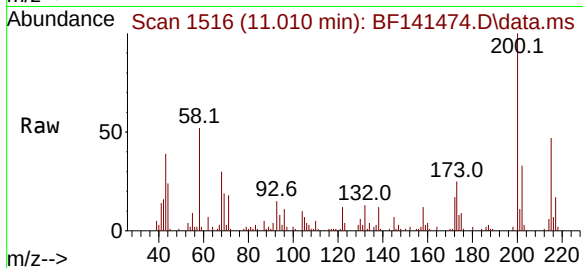
Tgt Ion:200 Resp: 35287

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

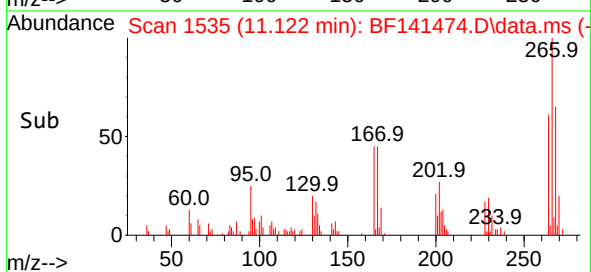
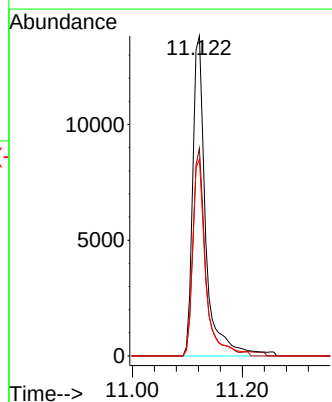
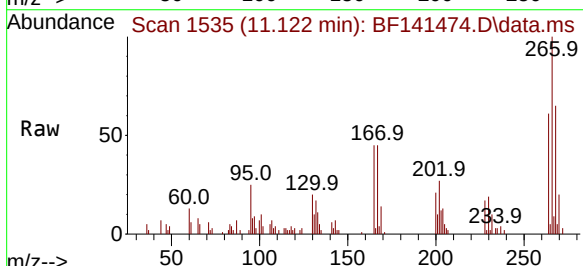
Tgt Ion:266 Resp: 22735

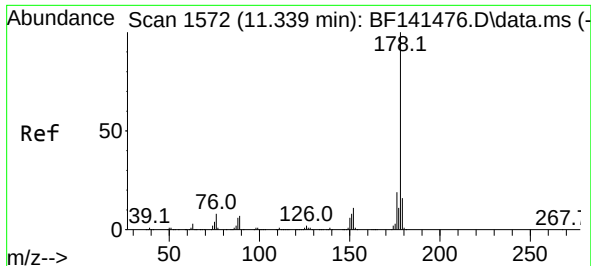
Ion Ratio Lower Upper

266 100

268 64.9 50.1 75.1

264 61.5 50.1 75.1

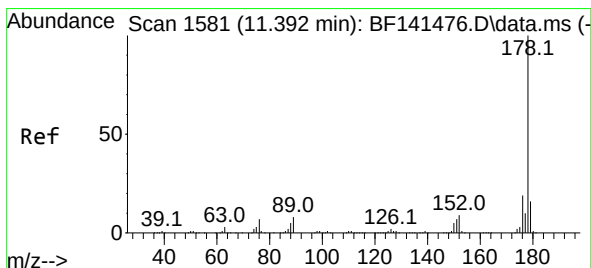
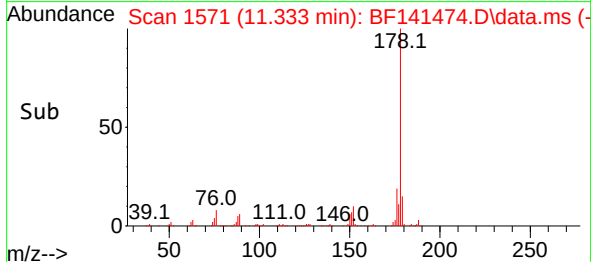
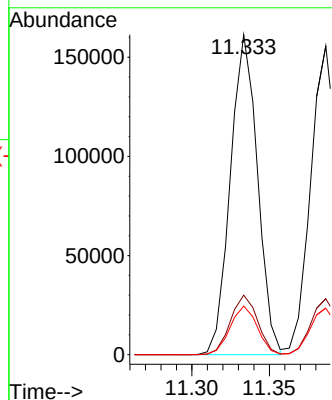
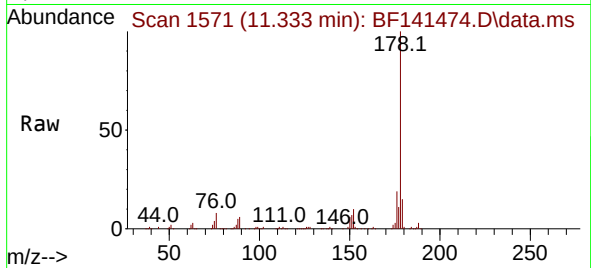




#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

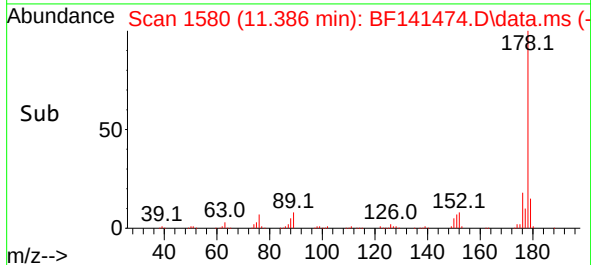
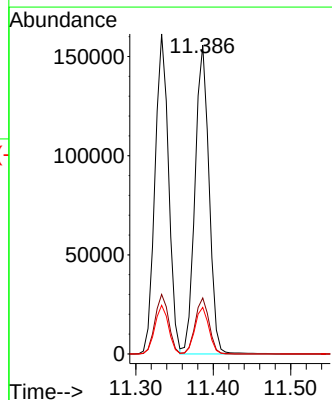
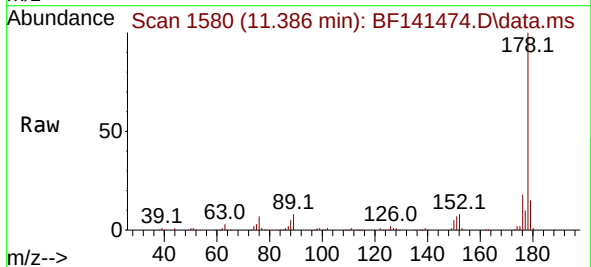
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

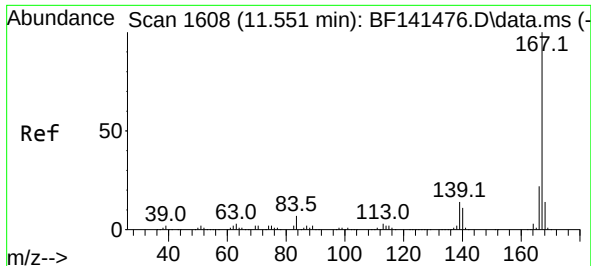
Tgt Ion:178 Resp: 196586
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.2 12.4 18.6



#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

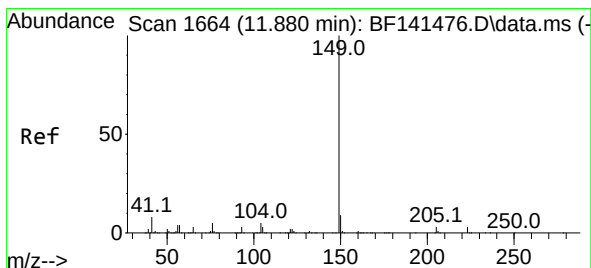
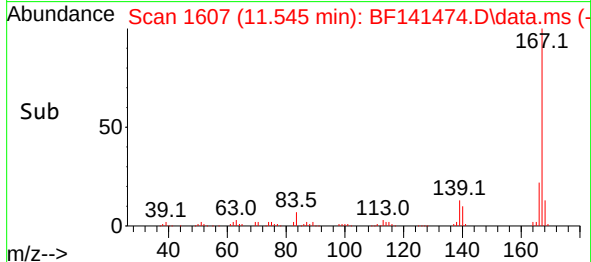
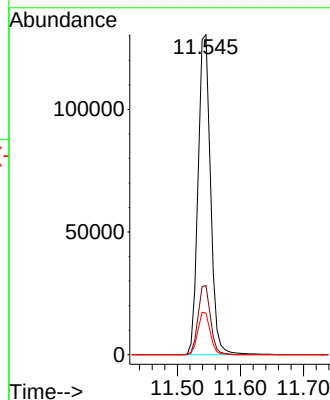
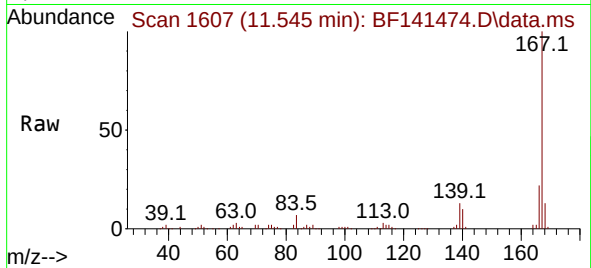




#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

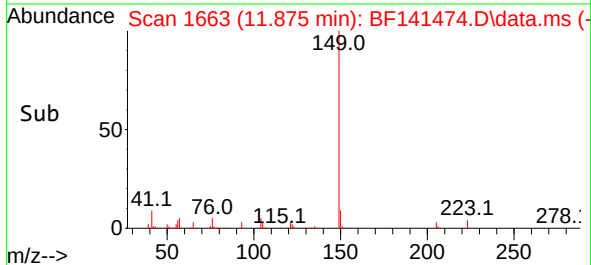
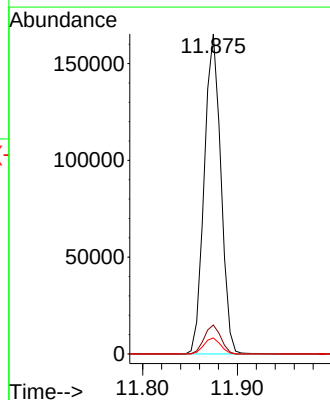
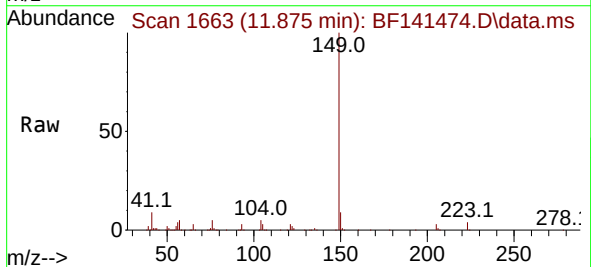
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

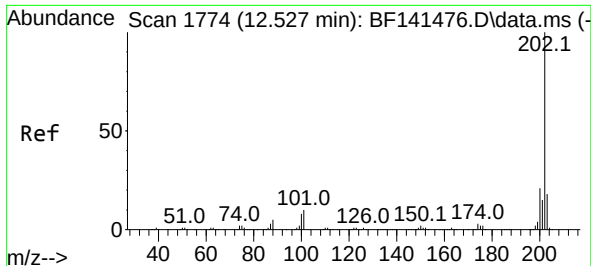
Tgt Ion:167 Resp: 178223
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.0 10.9 16.3



#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

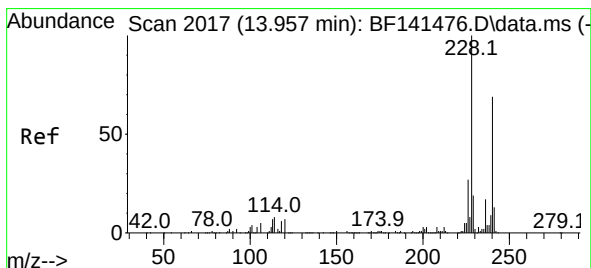
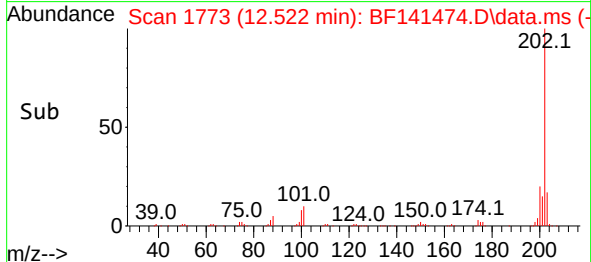
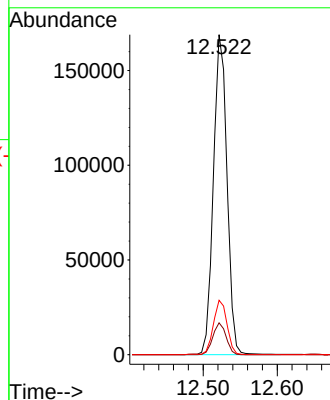
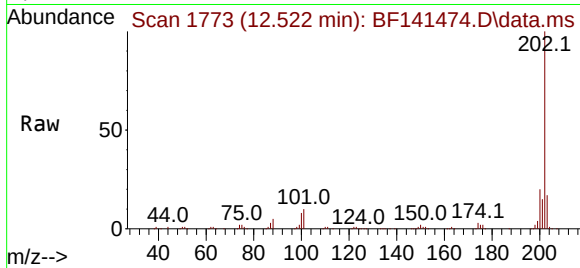




#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

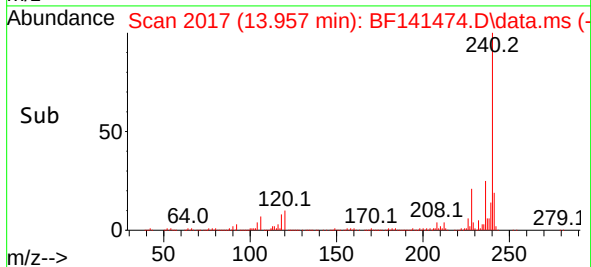
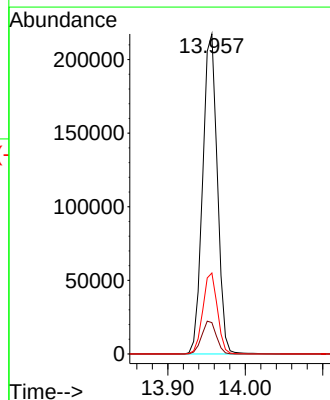
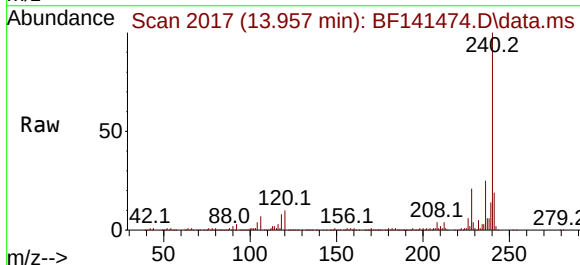
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

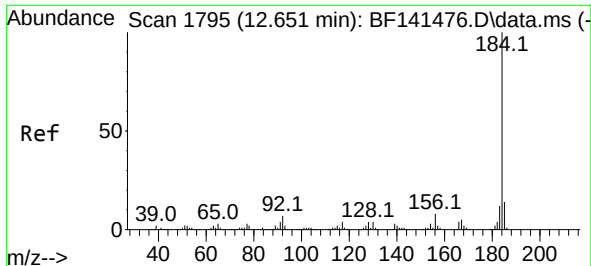
Tgt Ion:202 Resp: 215218
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.0 0.0 37.6



#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:240 Resp: 284792
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.3 19.8 29.8

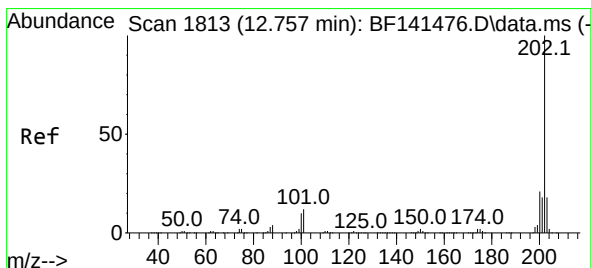
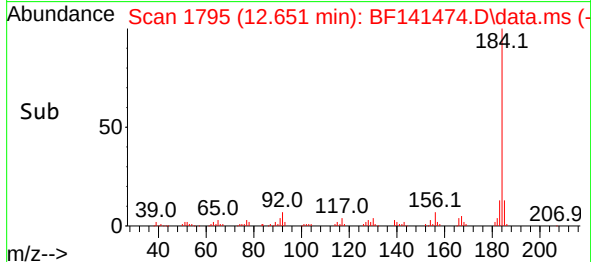
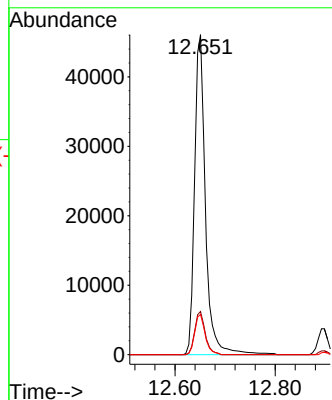
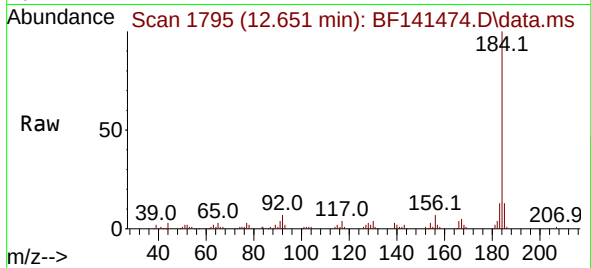




#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

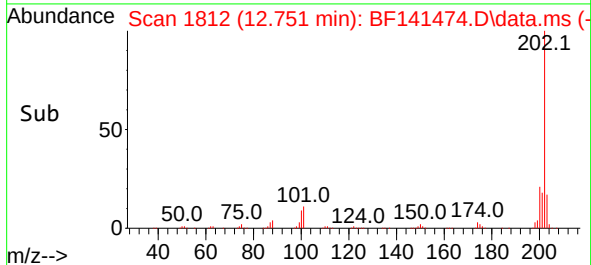
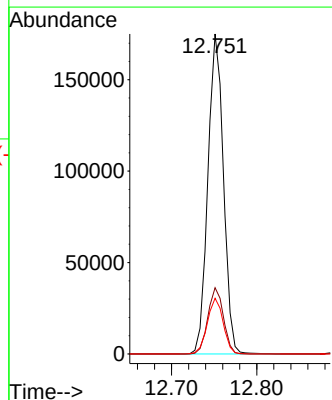
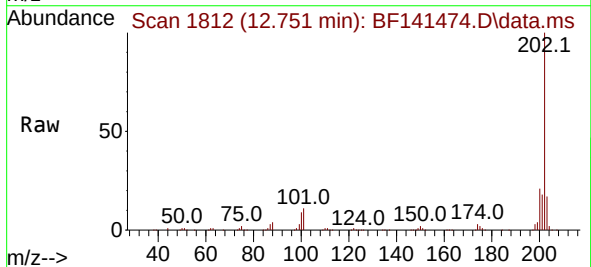
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

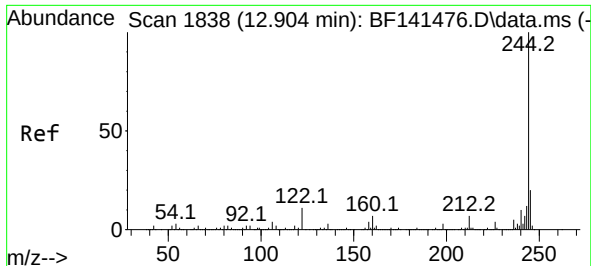
Tgt Ion:184 Resp: 69402
Ion Ratio Lower Upper
184 100
185 13.5 11.3 16.9
183 12.6 9.3 13.9



#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

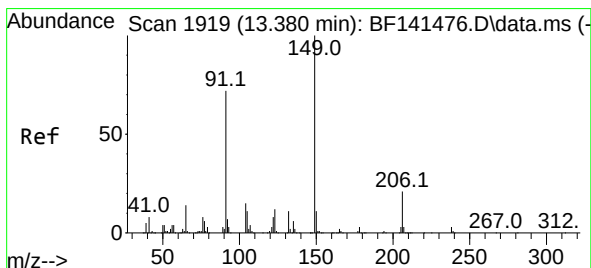
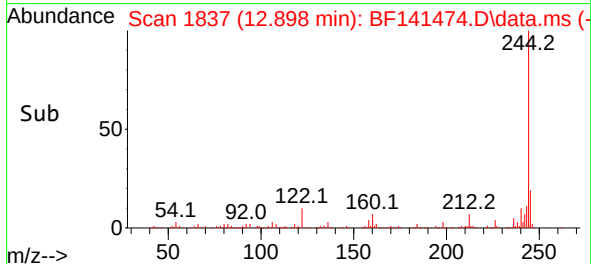
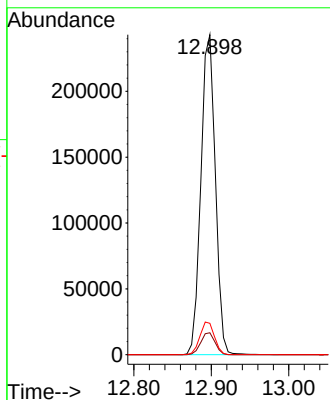
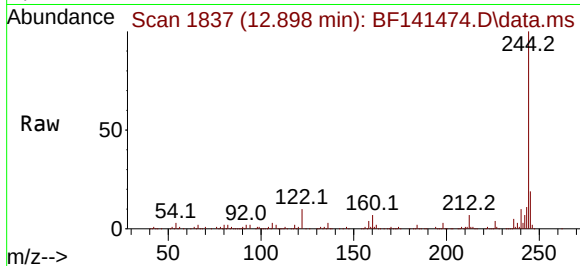




#79
 Terphenyl-d14
 Concen: 18.645 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

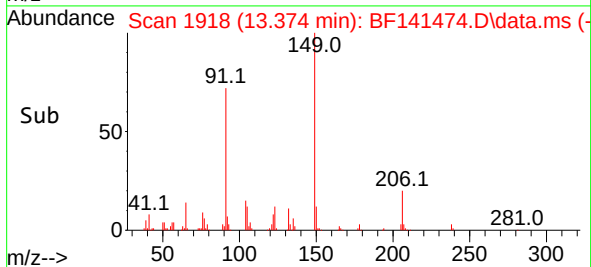
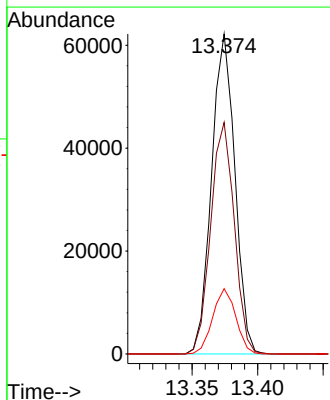
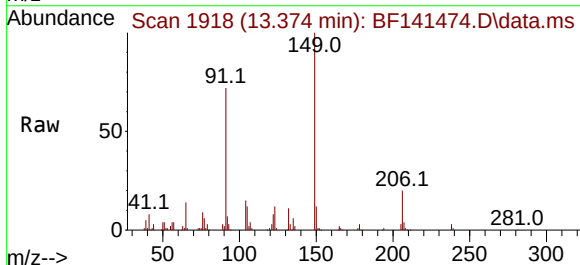
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

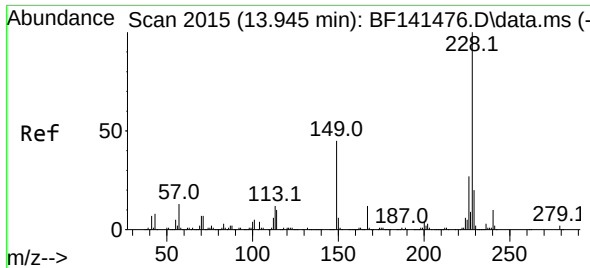
Tgt Ion:244 Resp: 314541
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.8 8.4 12.6



#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

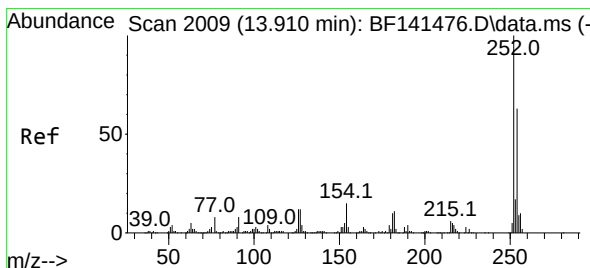
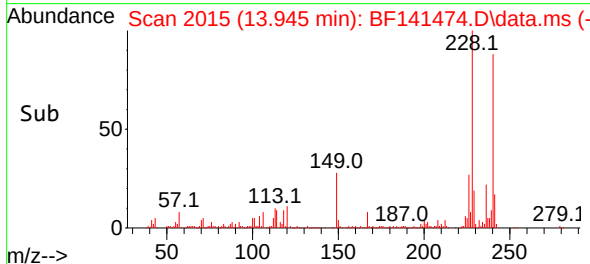
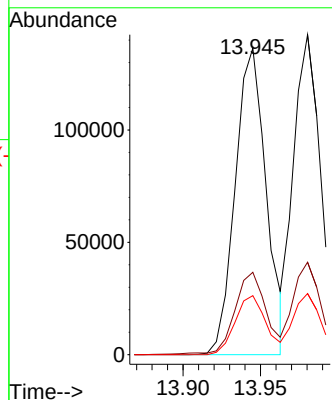
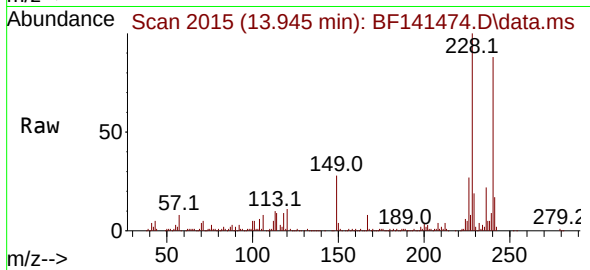




#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

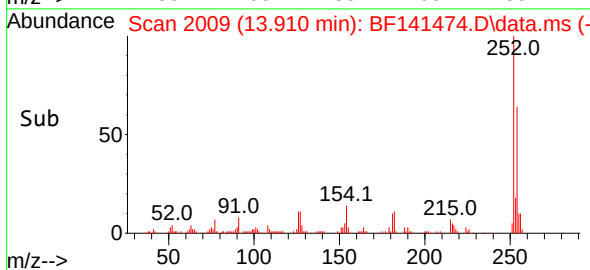
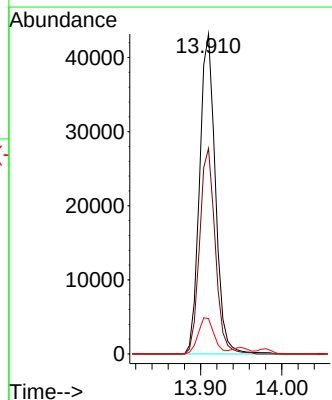
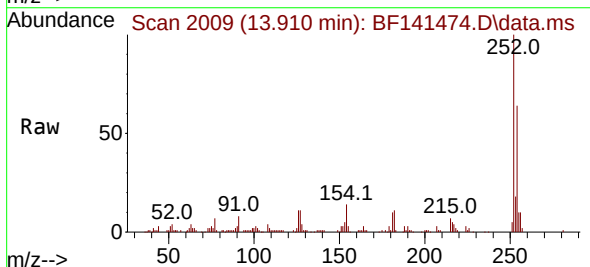
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

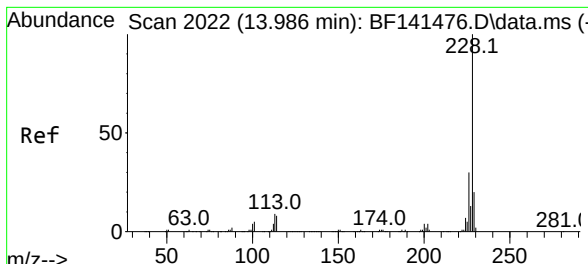
Tgt Ion:228 Resp: 189705
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.3 15.8 23.6



#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



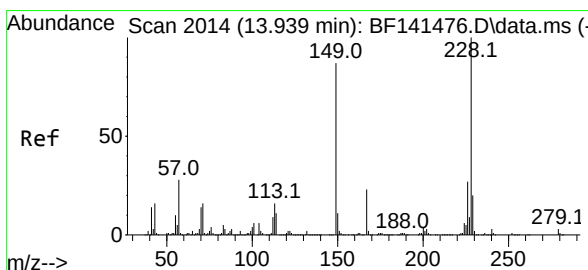
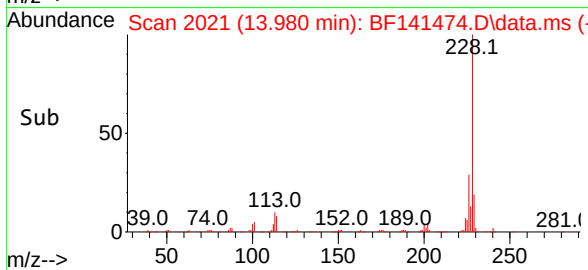
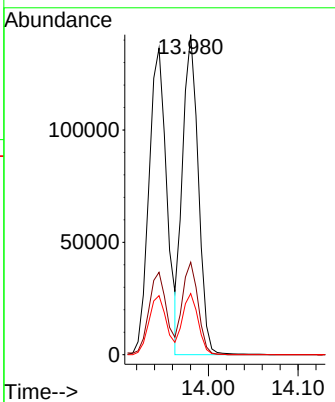
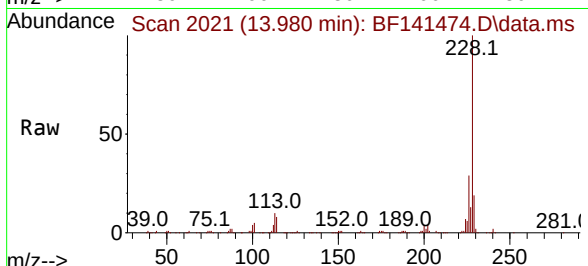


#83
 Chrysene
 Concen: 9.960 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. -0.012 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

Instrument : BNA_F
 ClientSampleId : SSTDICC010

Tgt Ion:228 Resp: 174103

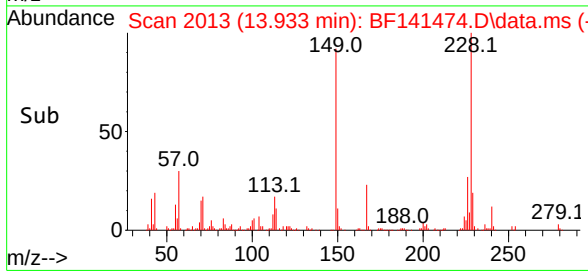
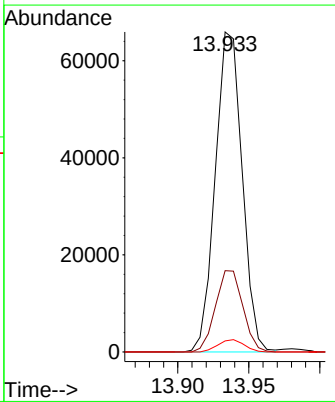
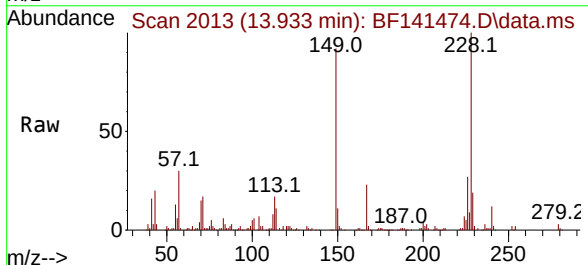
Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	19.1	15.7	23.5

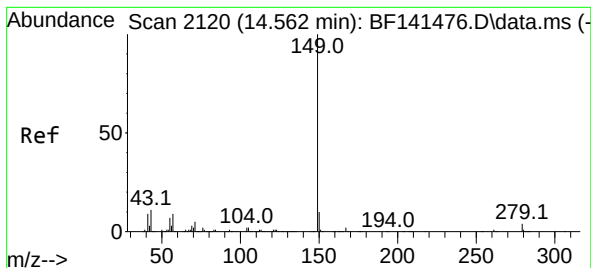


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.171 ng
 RT: 13.933 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

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

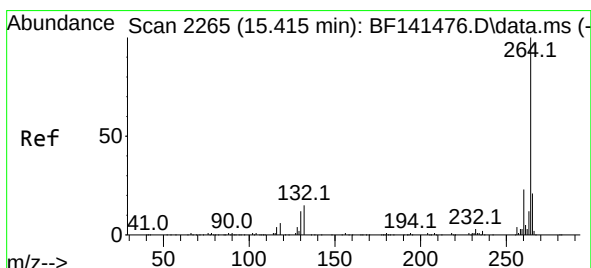
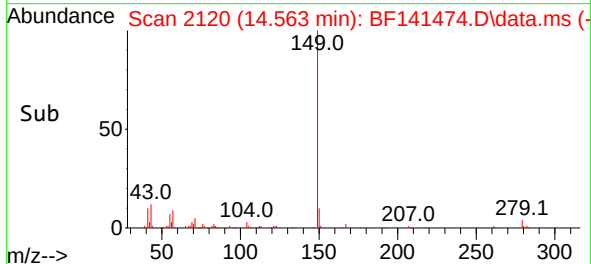
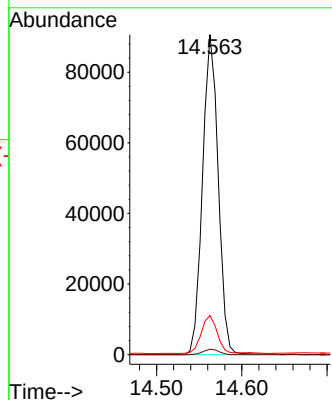
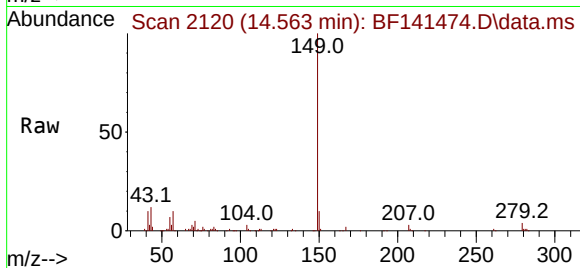




#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

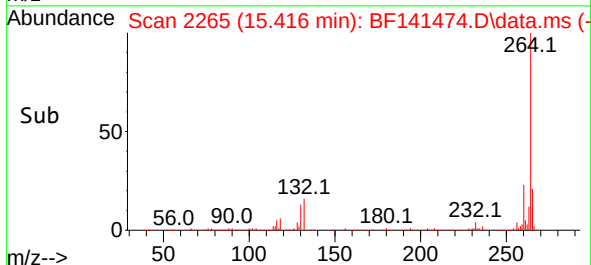
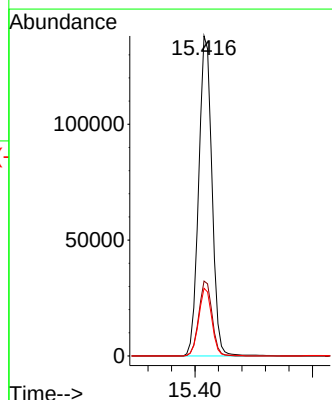
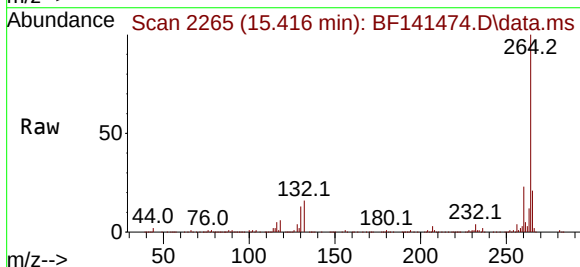
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

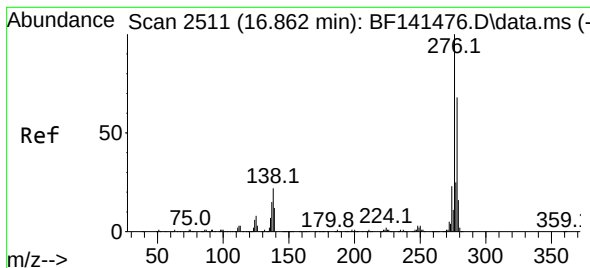
Tgt Ion:149 Resp: 115875
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.1 9.5 14.3



#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

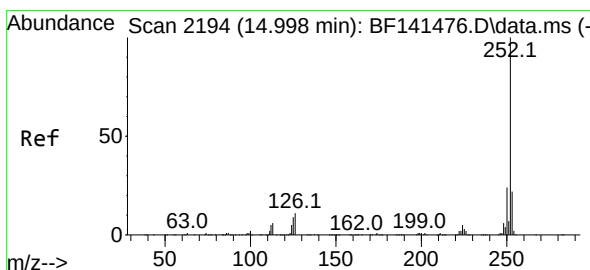
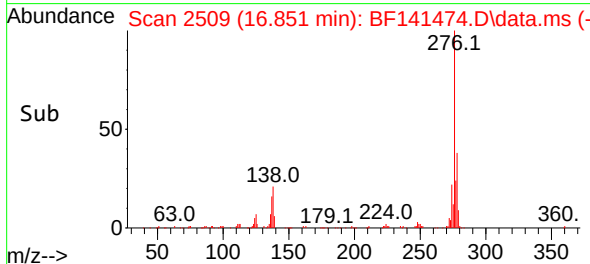
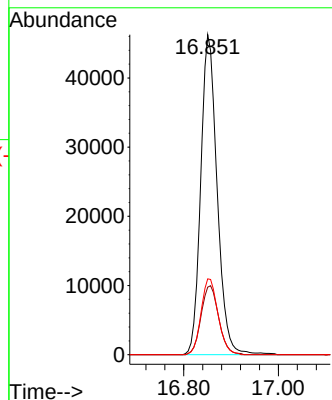
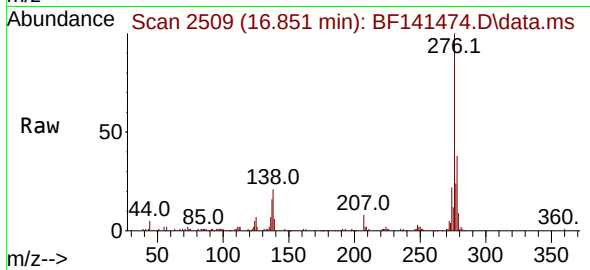
Tgt Ion:276 Resp: 111083

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

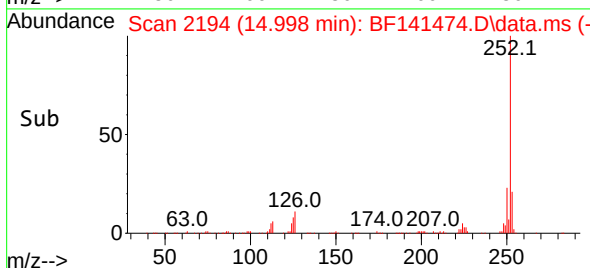
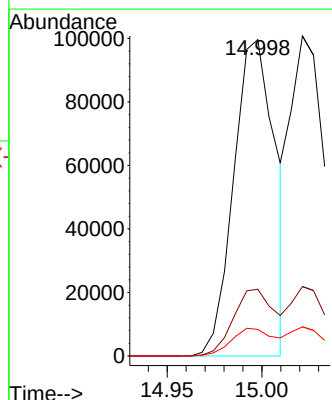
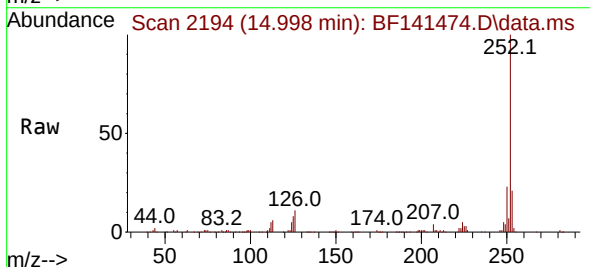
Tgt Ion:252 Resp: 151861

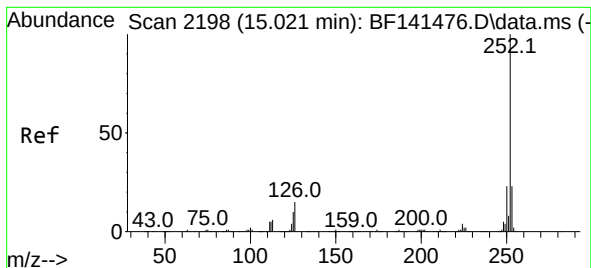
Ion Ratio Lower Upper

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

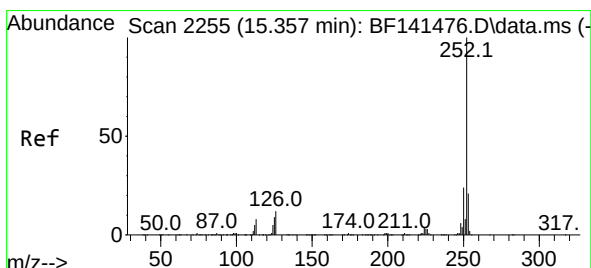
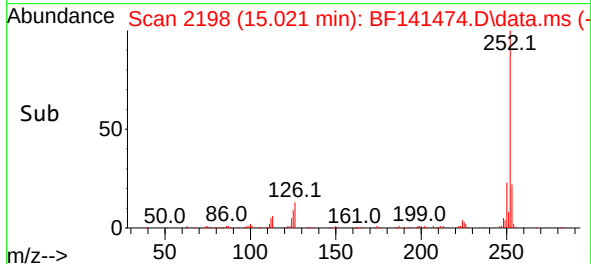
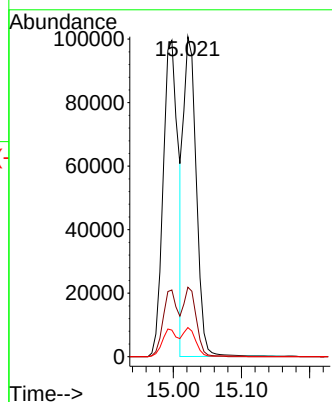
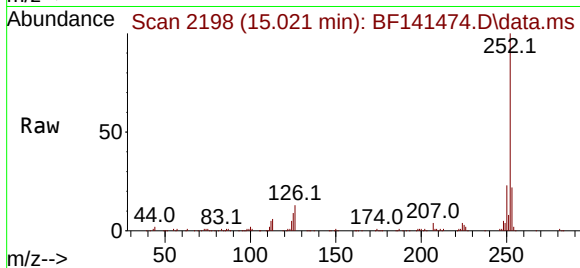
Tgt Ion:252 Resp: 131265

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

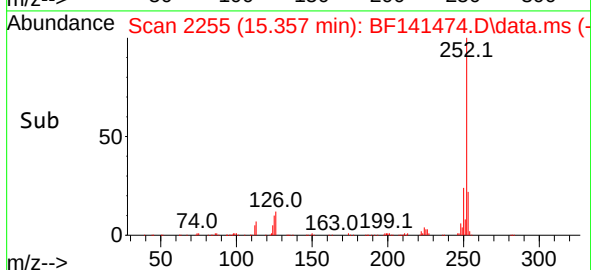
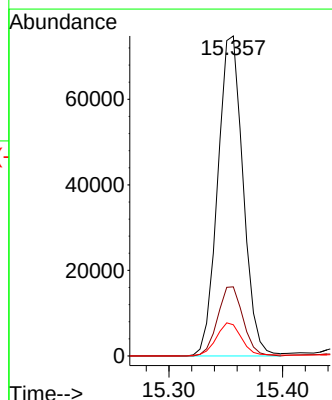
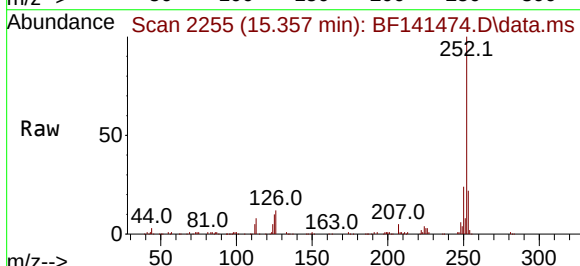
Tgt Ion:252 Resp: 115948

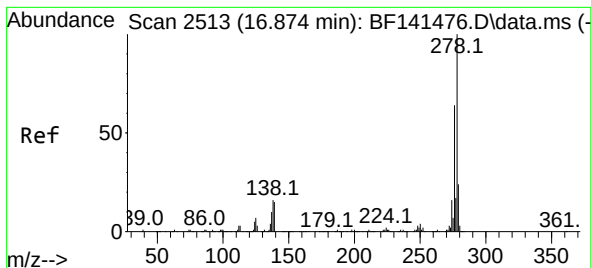
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 9.8 7.4 11.2

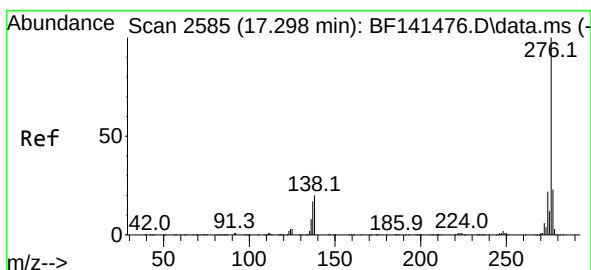
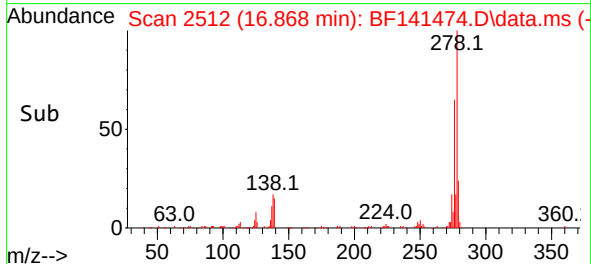
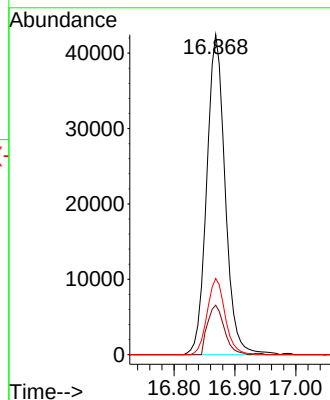
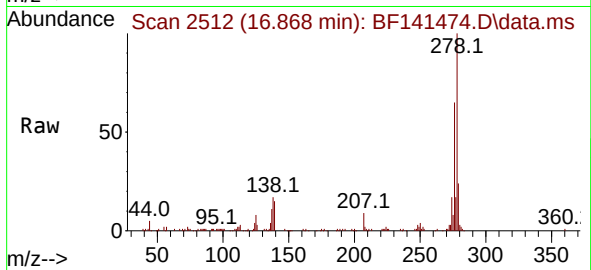




#91
 Dibenzo(a,h)anthracene
 Concen: 8.271 ng
 RT: 16.868 min Scan# 2512
 Delta R.T. -0.023 min
 Lab File: BF141474.D
 Acq: 06 Feb 2025 12:00

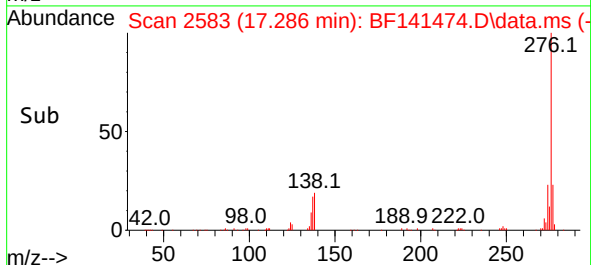
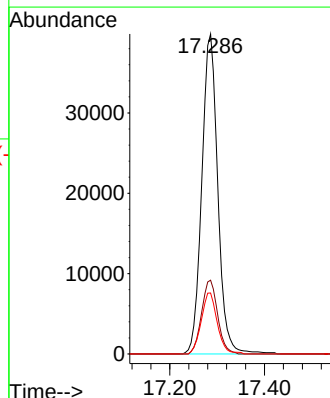
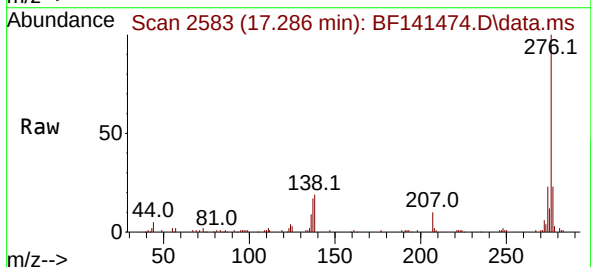
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

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\
 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

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

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 :

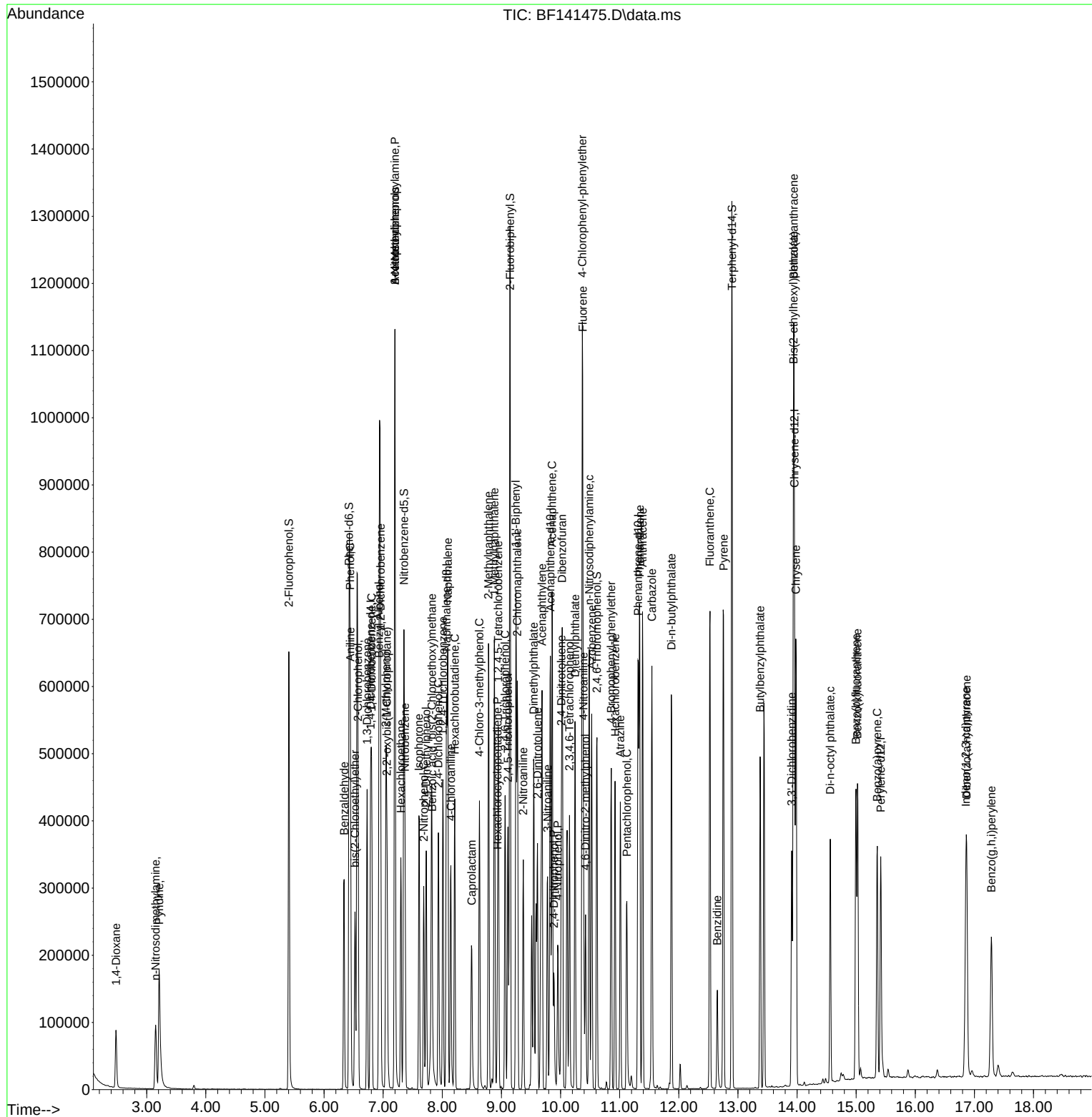
SSTDICC020

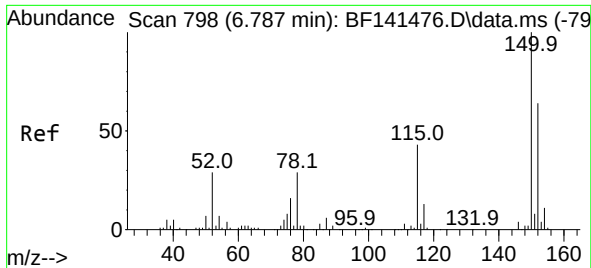
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

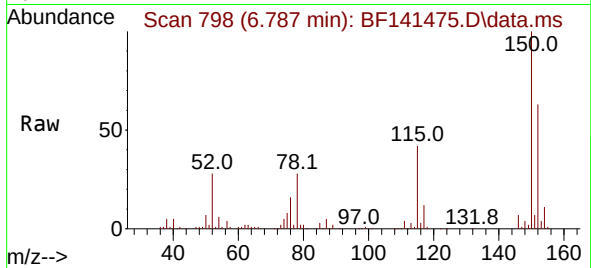
Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





#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

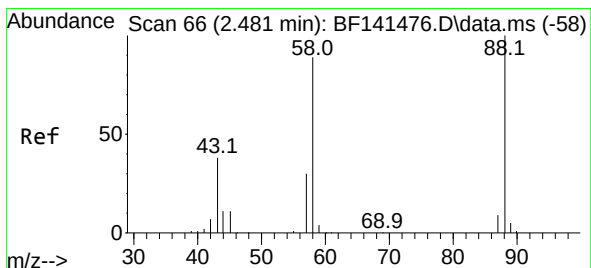
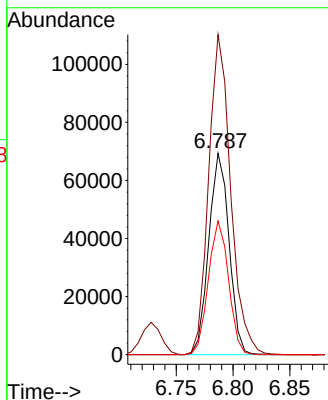
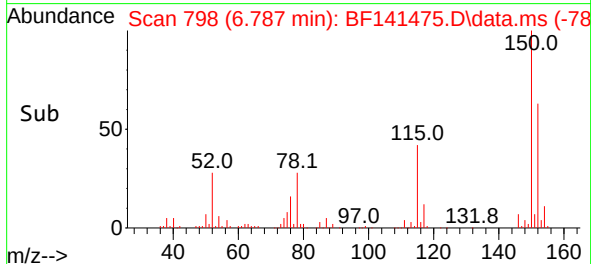
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



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

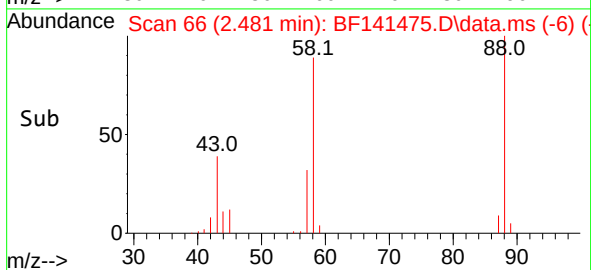
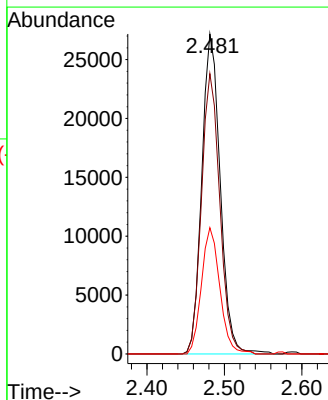
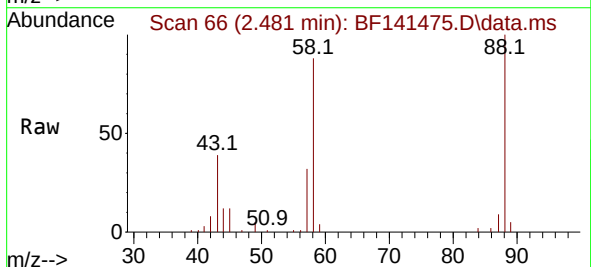
Manual Integrations
APPROVED

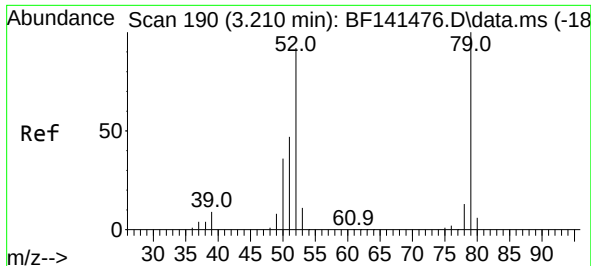
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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# 180

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

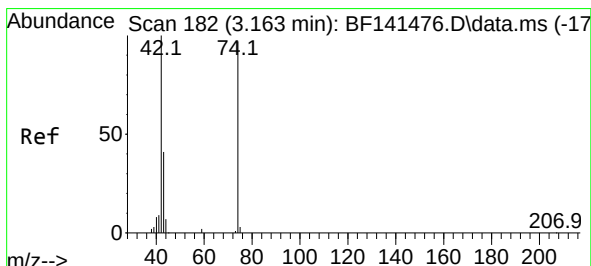
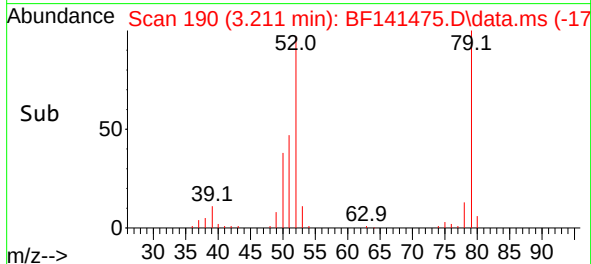
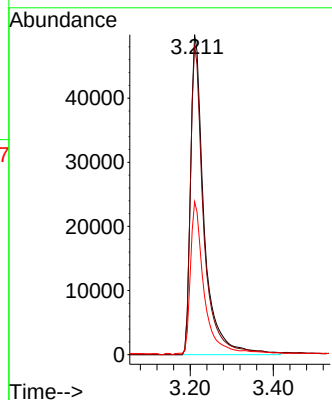
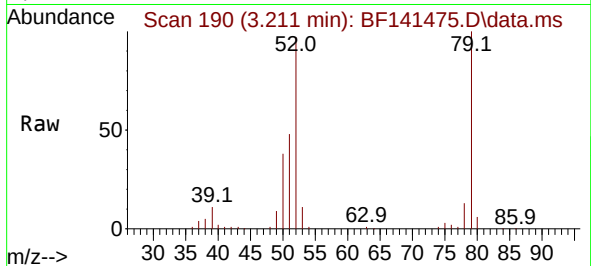
ClientSampleId :

SSTDICC020

Tgt Ion: 79	Resp: 11290
Ion Ratio	Lower Upper
79	100
52	96.9 73.7 110.5
51	47.8 37.5 56.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4

n-Nitrosodimethylamine

Concen: 20.276 ng

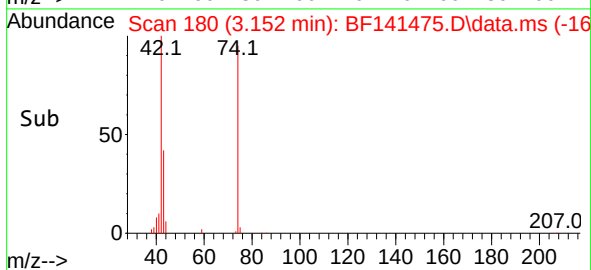
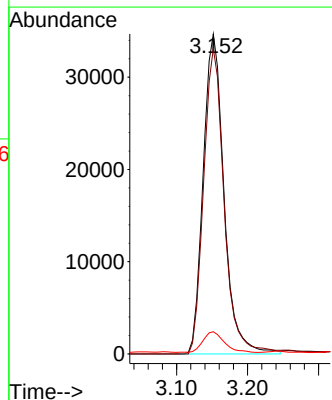
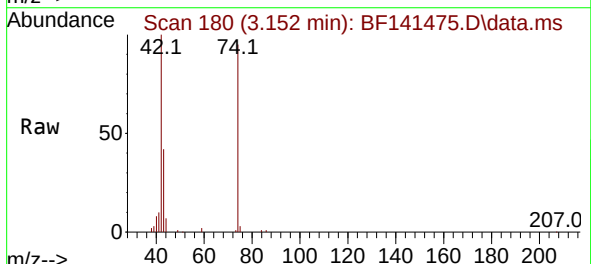
RT: 3.152 min Scan# 180

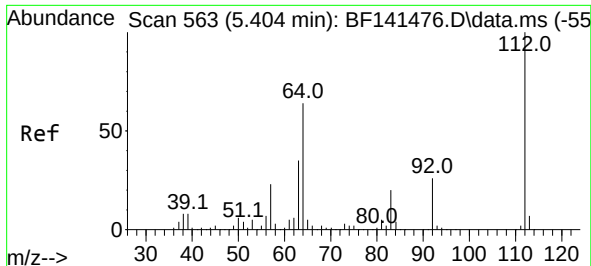
Delta R.T. -0.035 min

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





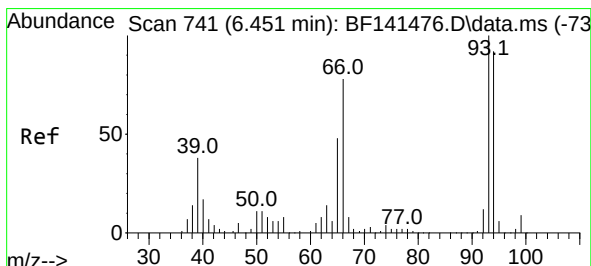
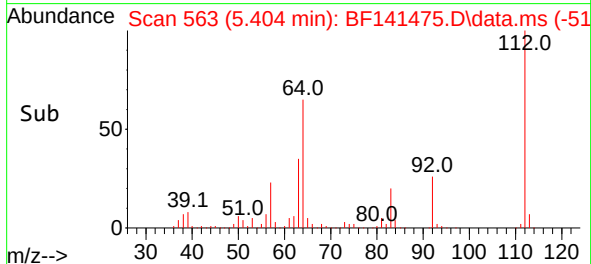
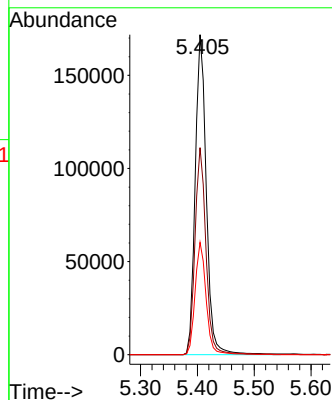
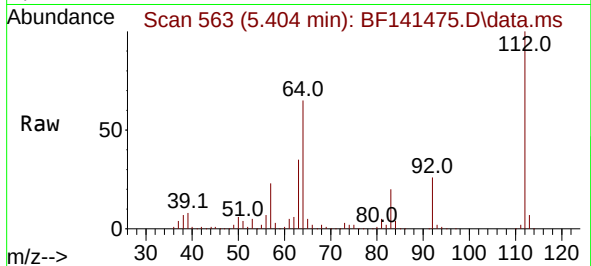
#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 112 Resp: 235100
Ion Ratio Lower Upper
112 100
64 64.7 51.1 76.7
63 35.1 28.4 42.6

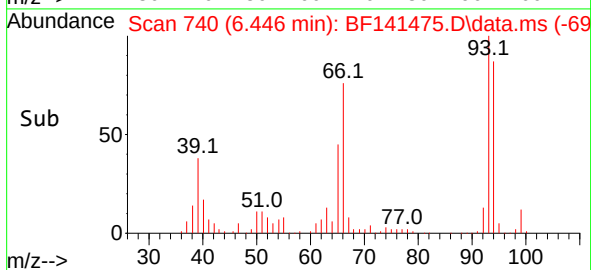
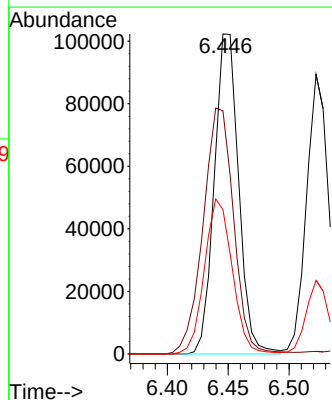
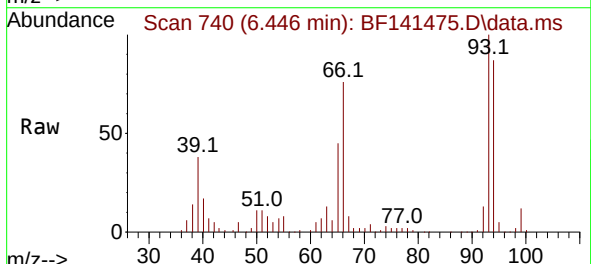
Manual Integrations
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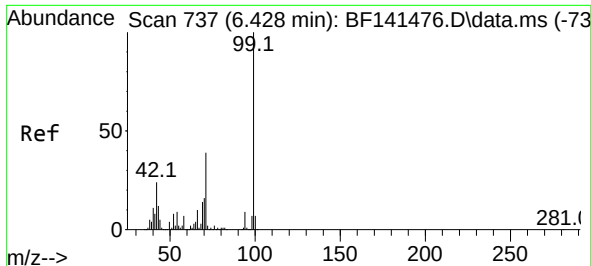
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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





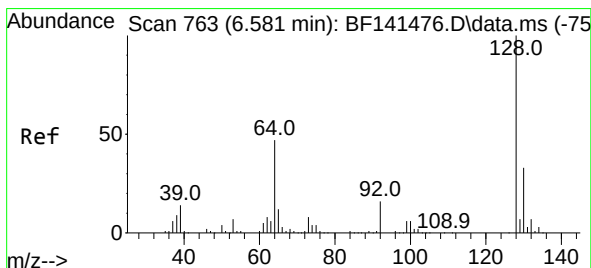
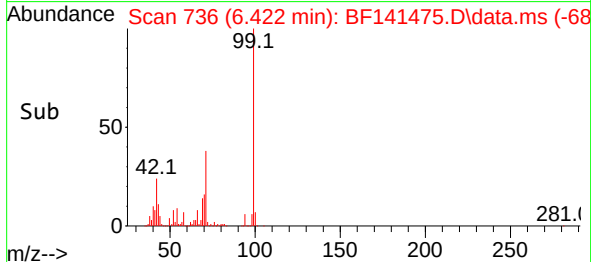
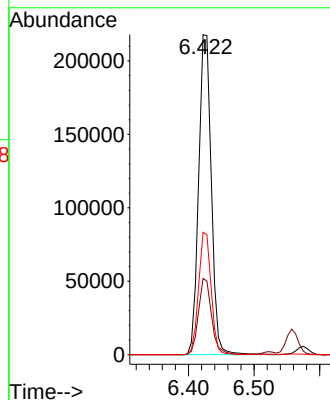
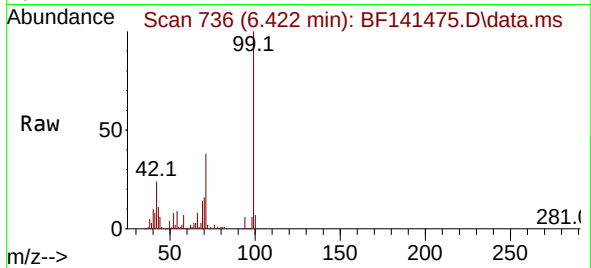
#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDIC020

Tgt Ion: 99 Resp: 29360
Ion Ratio Lower Upper
99 100
42 23.8 19.1 28.7
71 38.2 31.1 46.7

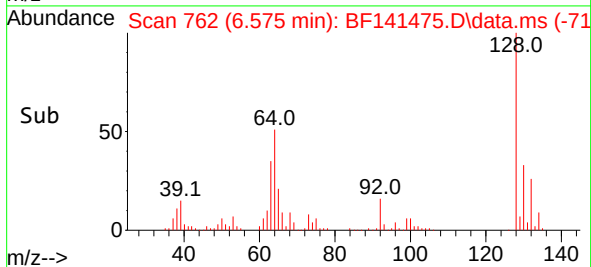
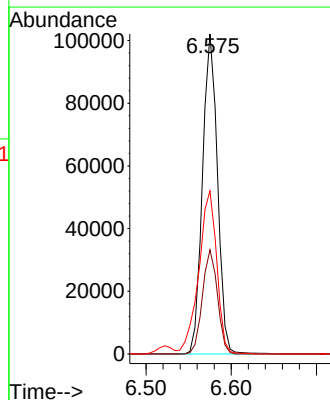
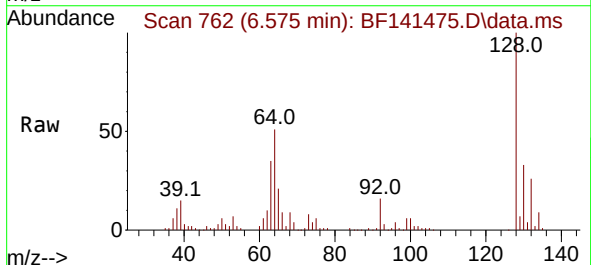
Manual Integrations
APPROVED

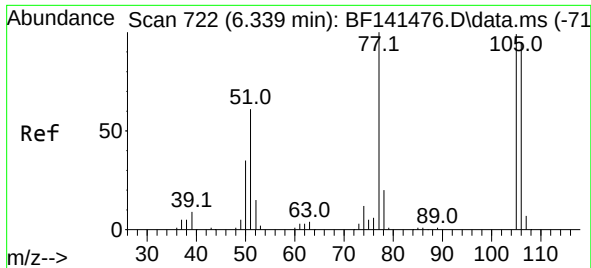
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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





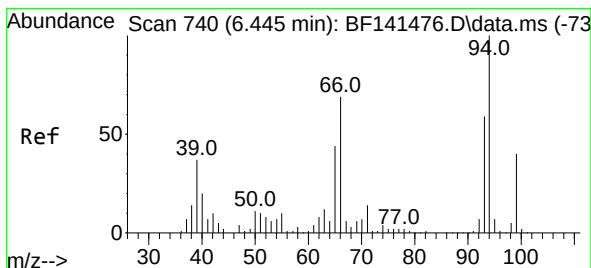
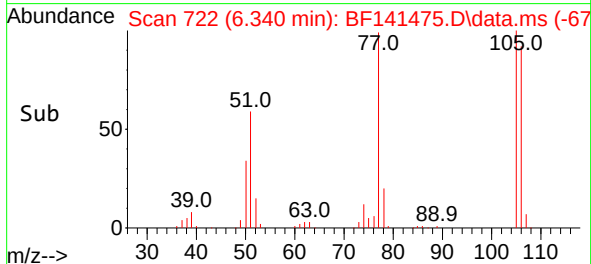
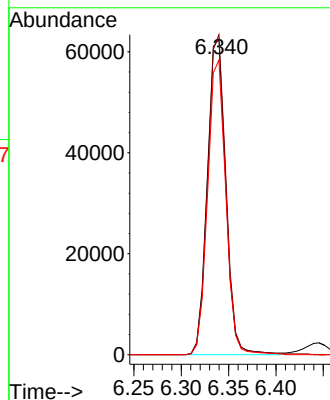
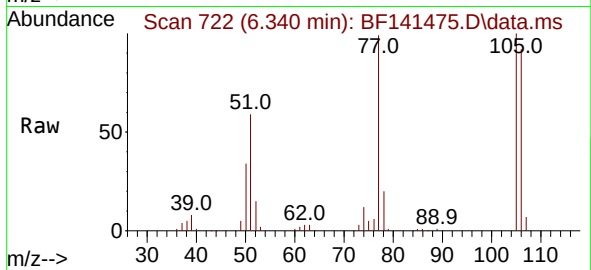
#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 8453
Ion Ratio Lower Upper
77 100
105 101.4 79.4 119.4
106 93.4 75.1 115.1

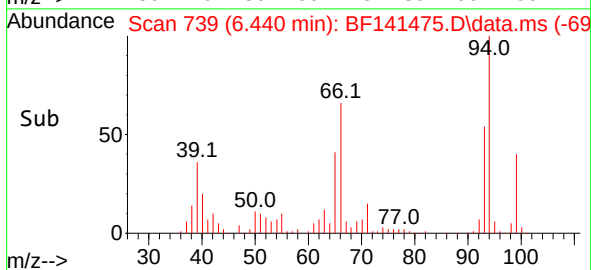
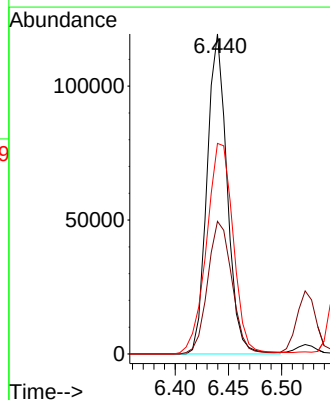
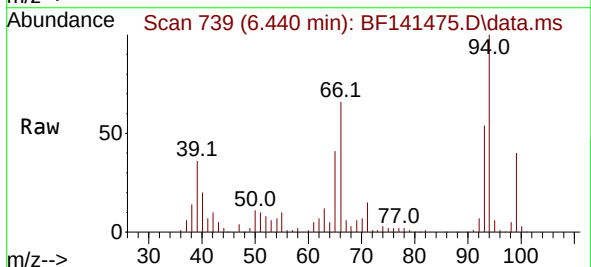
Manual Integrations
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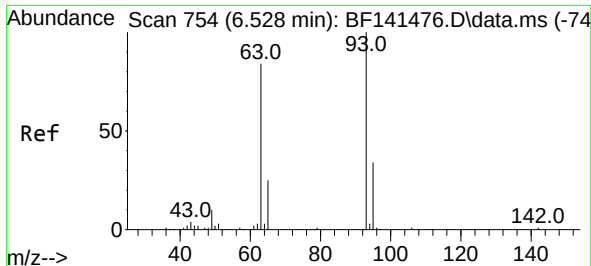
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

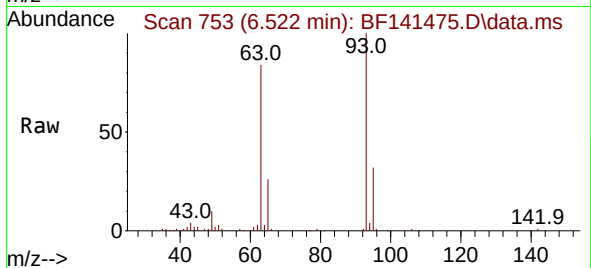
Tgt Ion: 94 Resp: 156515
Ion Ratio Lower Upper
94 100
65 41.5 23.7 63.7
66 65.8 49.3 89.3





#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

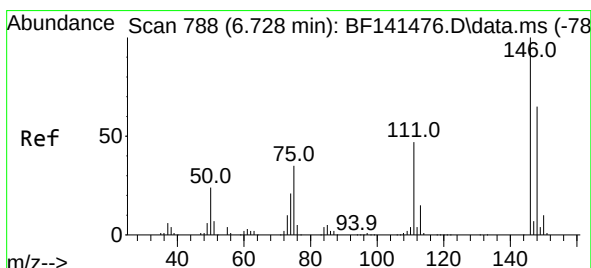
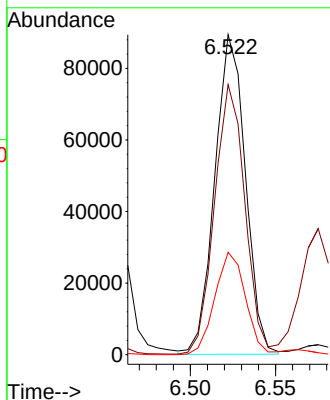
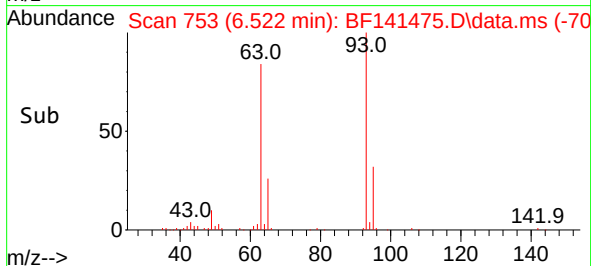
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



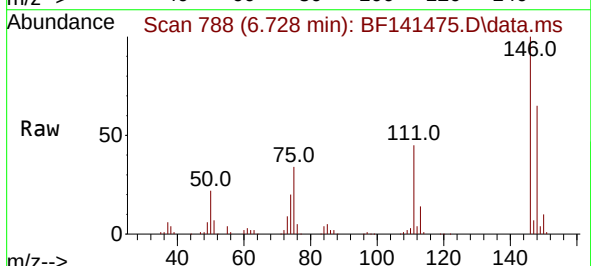
Tgt Ion: 93 Resp: 11167
Ion Ratio Lower Upper
93 100
63 84.4 62.0 102.0
95 32.0 12.6 52.6

Manual Integrations
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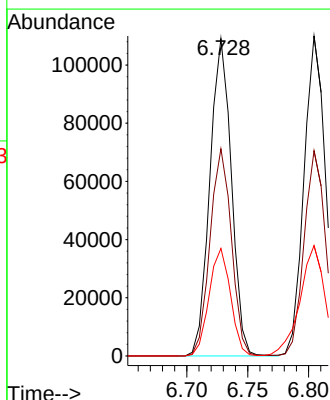
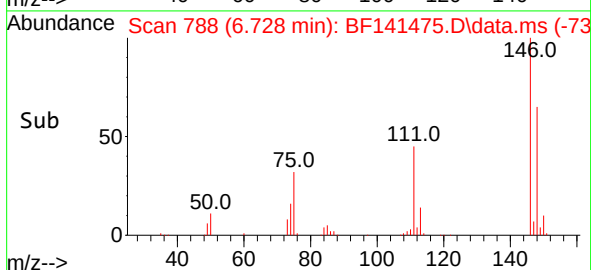
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

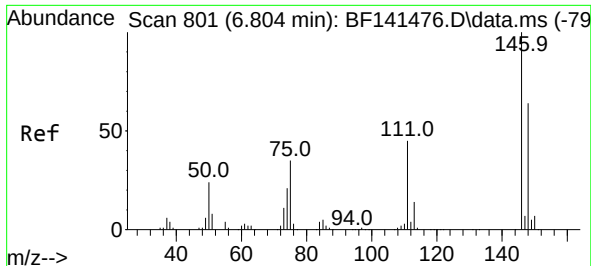


#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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 :

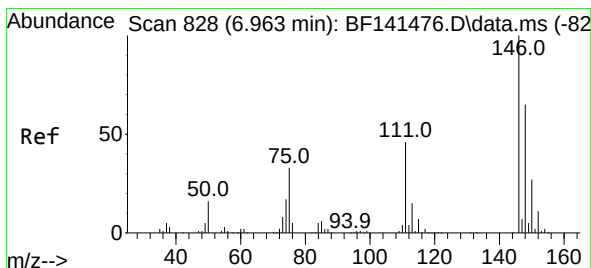
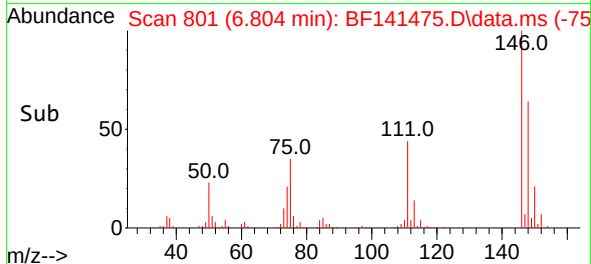
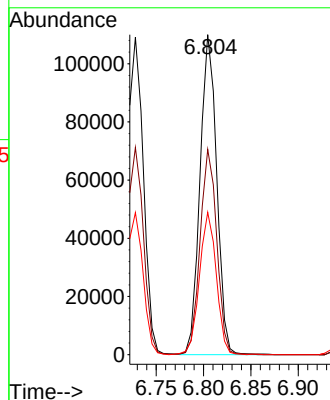
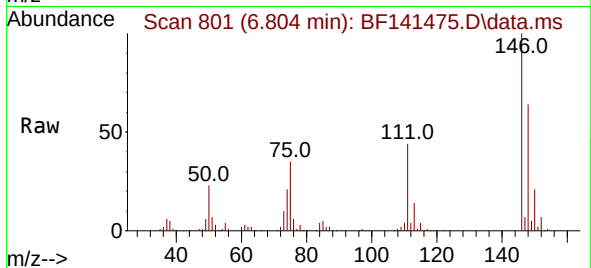
SSTDICC020

Tgt Ion:146 Resp: 13535
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.9 76.3
 111 44.5 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#14

1,2-Dichlorobenzene

Concen: 21.354 ng

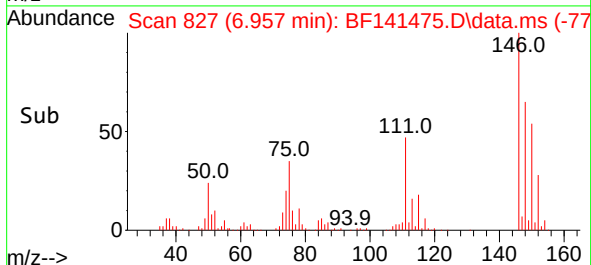
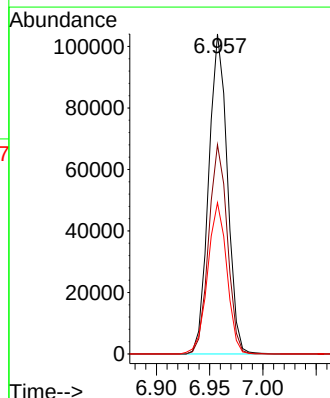
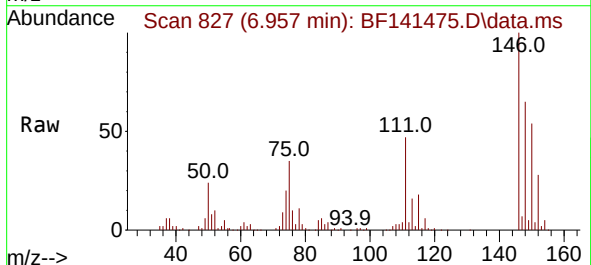
RT: 6.957 min Scan# 827

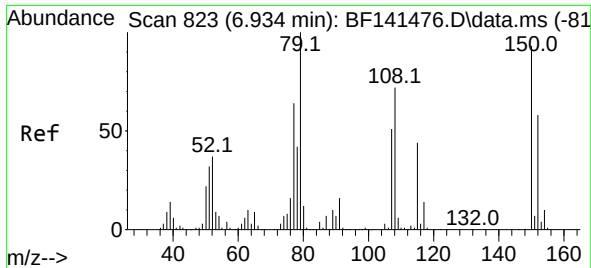
Delta R.T. -0.006 min

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





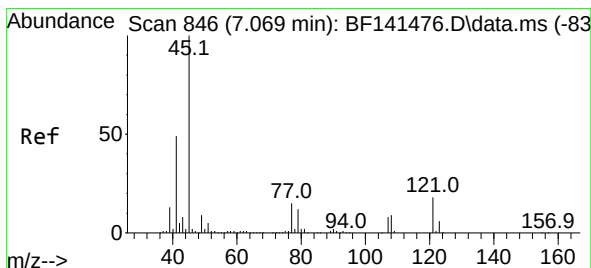
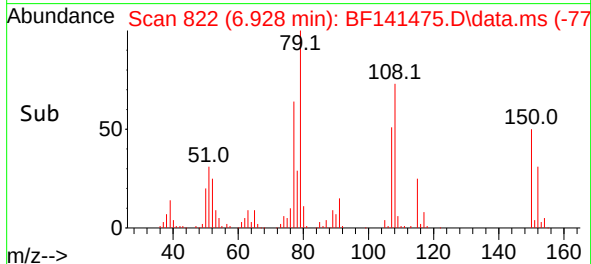
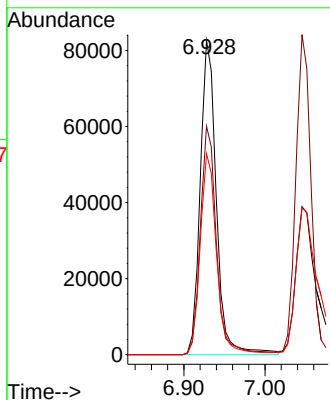
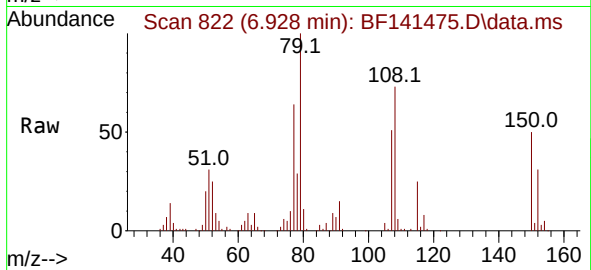
#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 11390
Ion Ratio Lower Upper
79 100
108 72.6 57.4 86.2
77 63.9 50.9 76.3

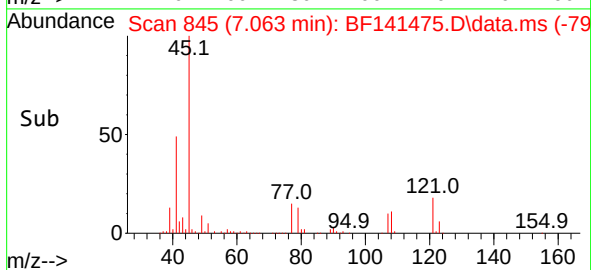
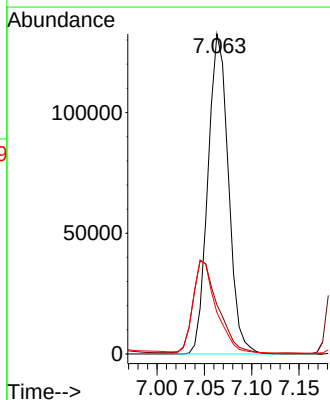
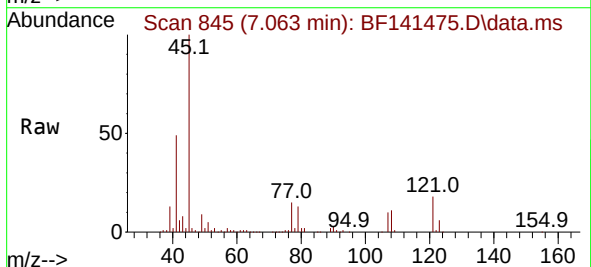
Manual Integrations
APPROVED

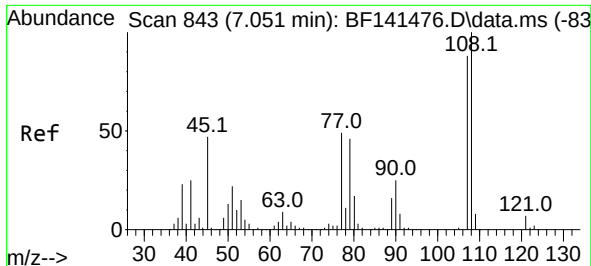
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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





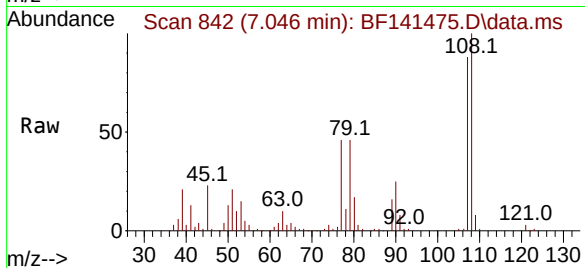
#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

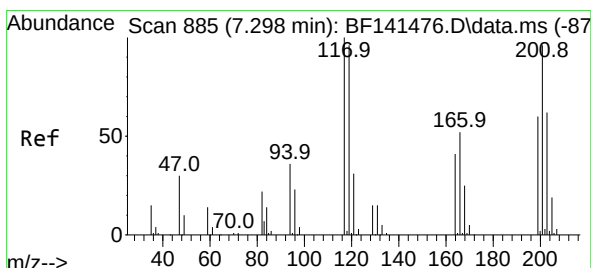
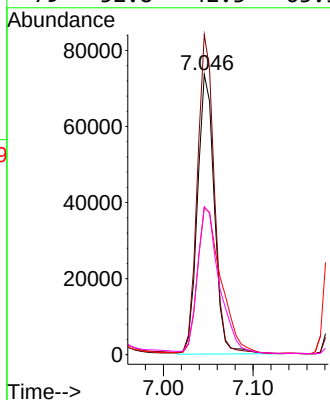
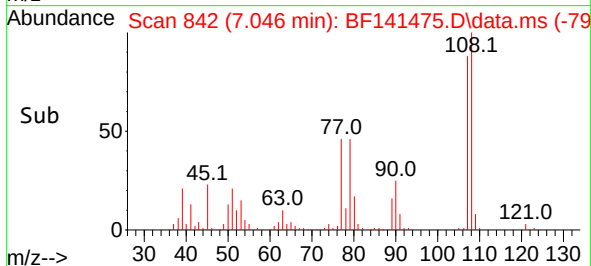


Tgt Ion:107 Resp: 9660
Ion Ratio Lower Upper
107 100
108 114.2 90.6 136.0
77 52.4 44.4 66.6
79 52.8 42.3 63.5

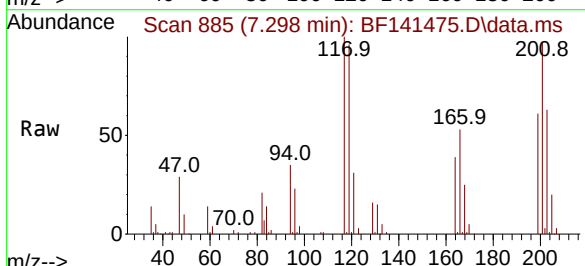
Manual Integrations

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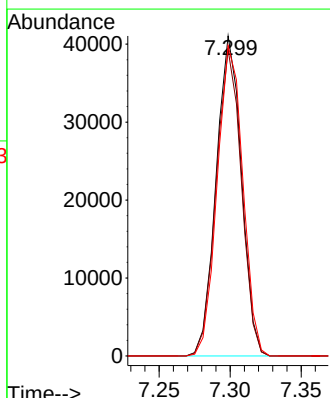
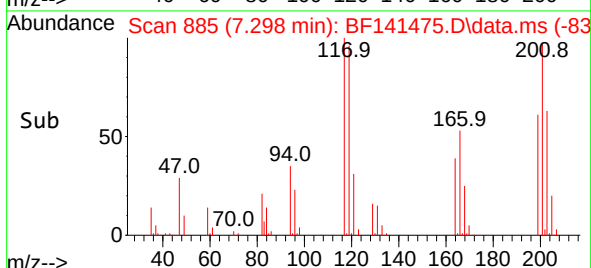
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

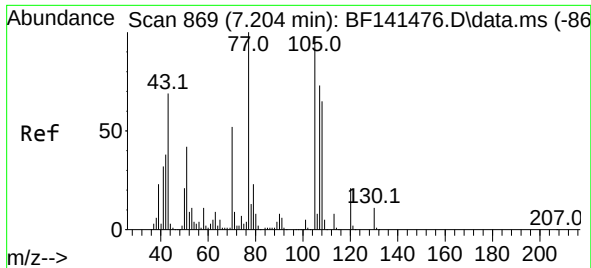


#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



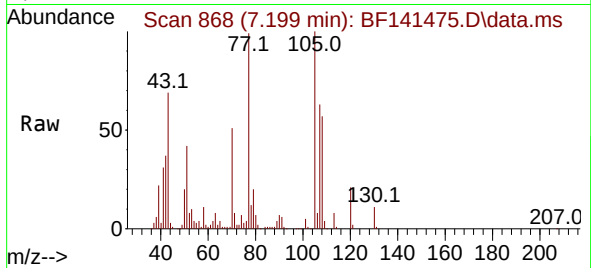
Tgt Ion:117 Resp: 50745
Ion Ratio Lower Upper
117 100
119 95.7 76.5 114.7
201 97.0 76.7 115.1





#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

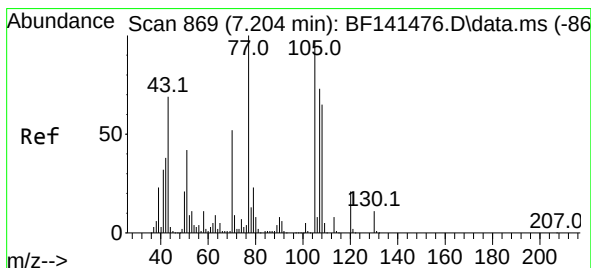
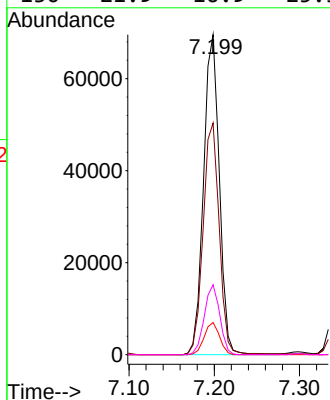
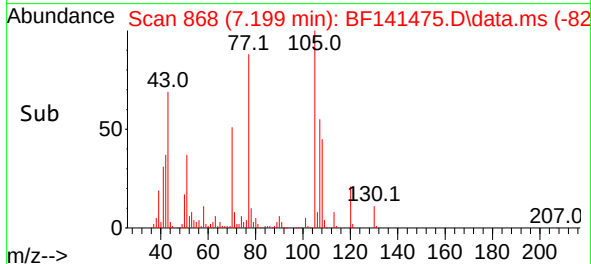
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



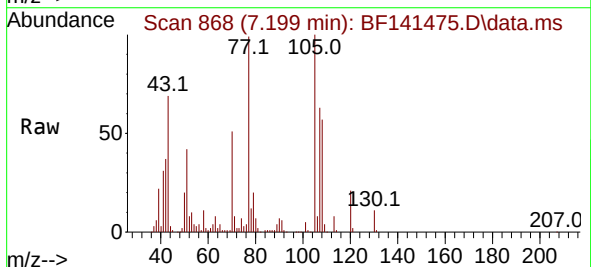
Tgt Ion: 70 Resp: 8951
Ion Ratio Lower Upper
70 100
42 72.4 57.4 86.2
101 10.0 8.0 12.0
130 21.9 16.9 25.3

Manual Integrations
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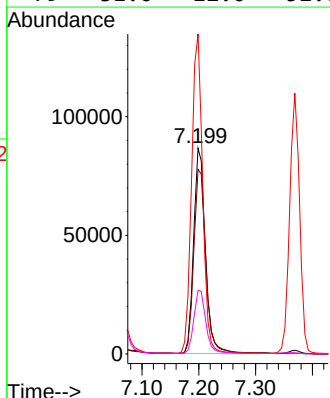
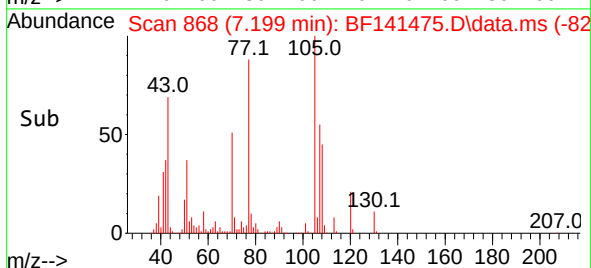
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

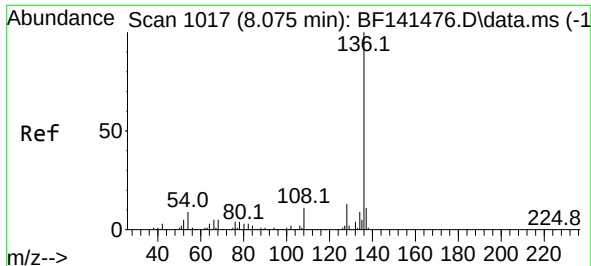


#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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





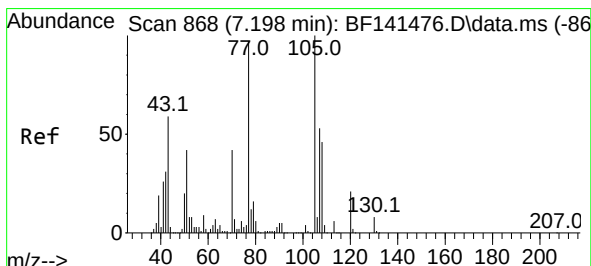
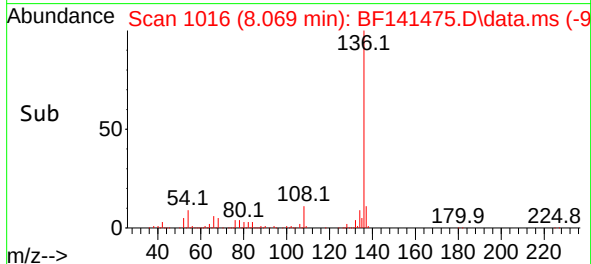
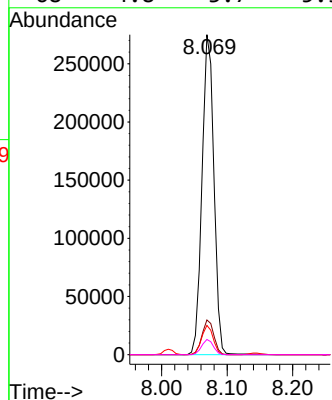
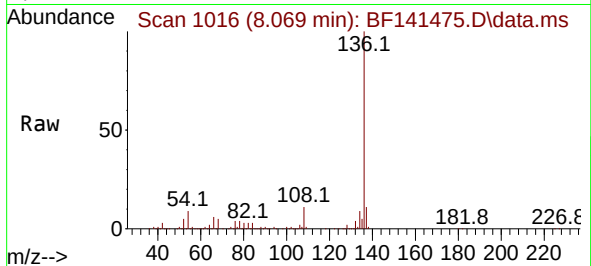
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 34801
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

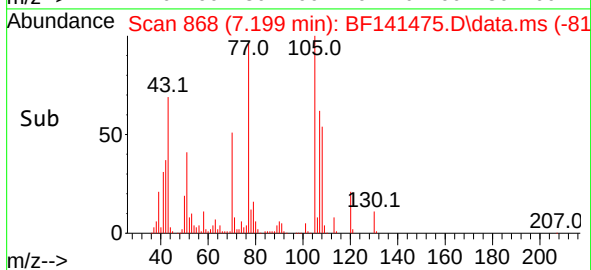
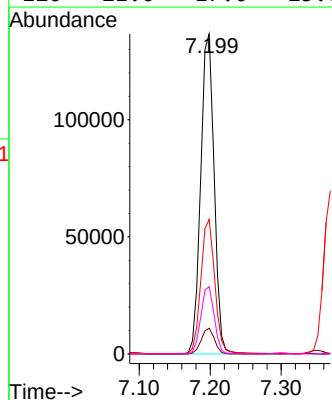
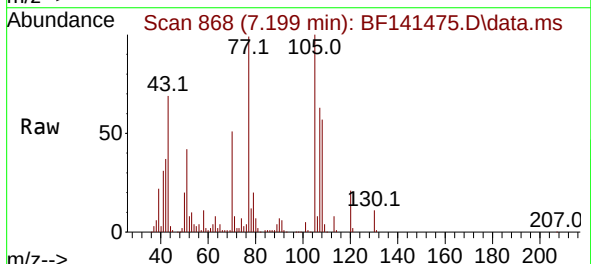
Manual Integrations
APPROVED

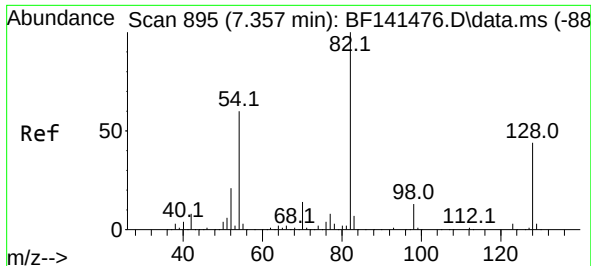
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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# 895

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

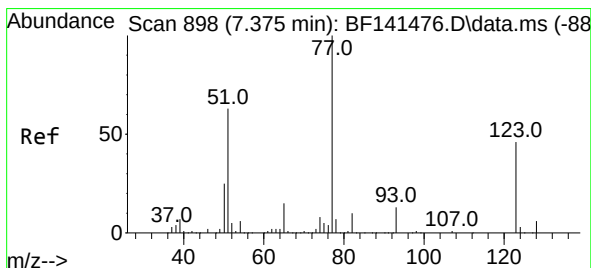
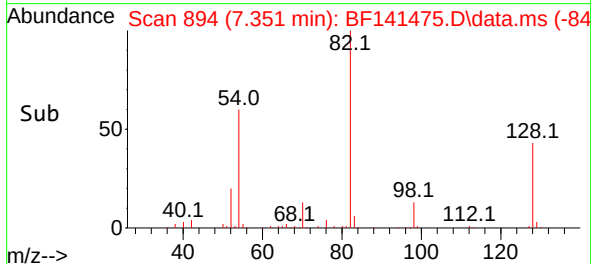
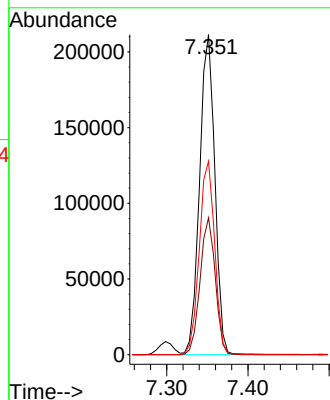
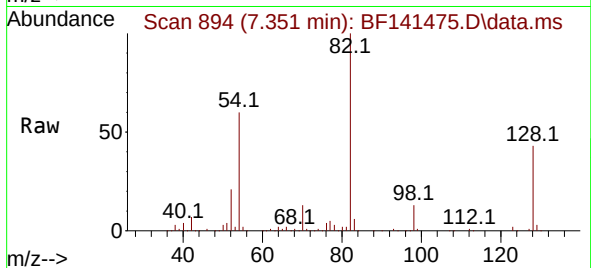
Tgt Ion: 82 Resp: 27577

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	60.5	48.2	72.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#24

Nitrobenzene

Concen: 20.485 ng

RT: 7.369 min Scan# 897

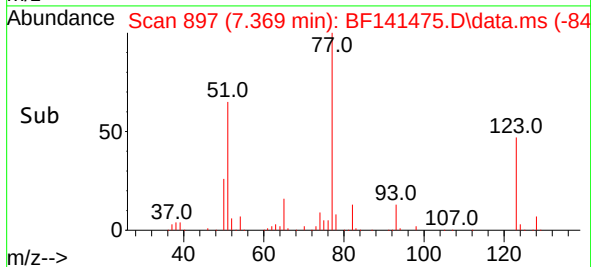
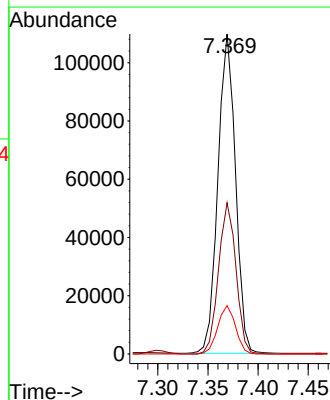
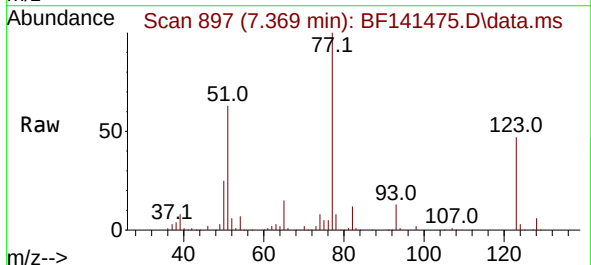
Delta R.T. -0.011 min

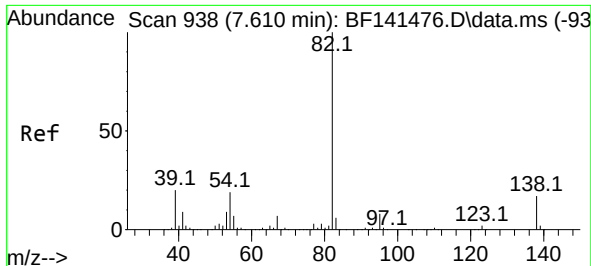
Lab File: BF141475.D

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





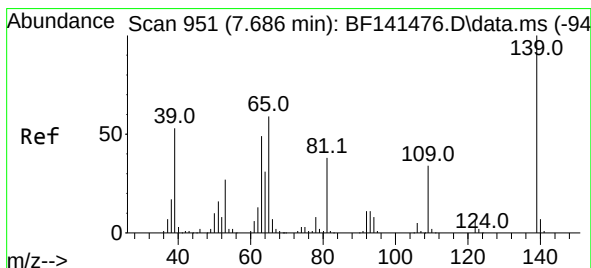
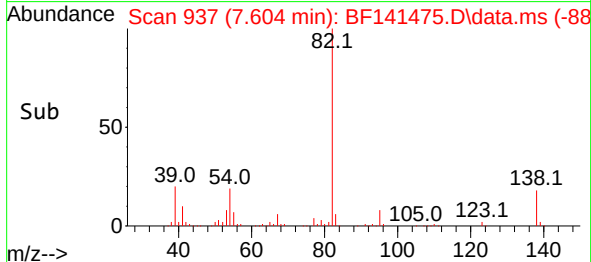
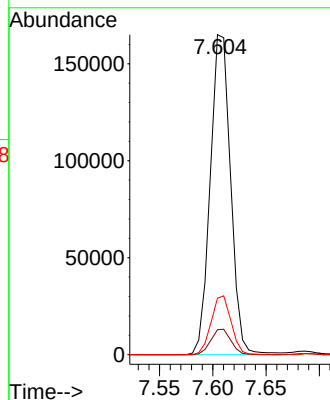
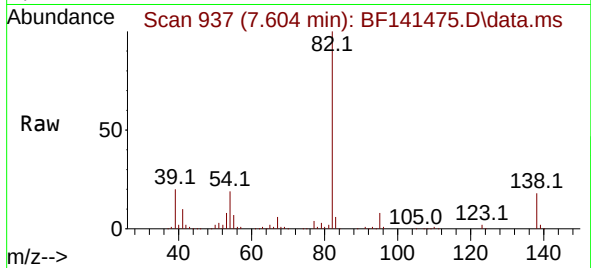
#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 22029
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.6 13.9 20.9

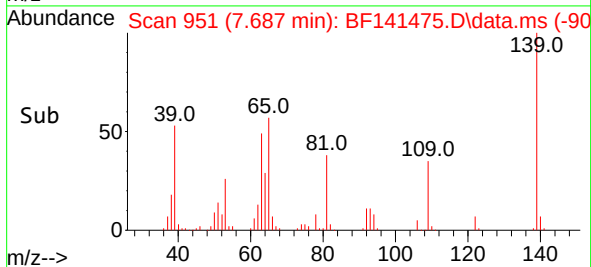
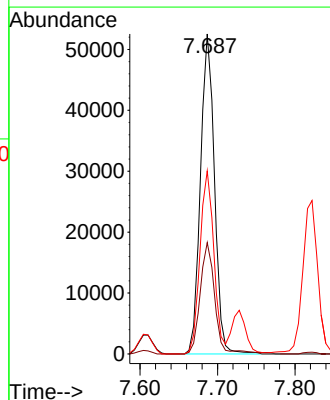
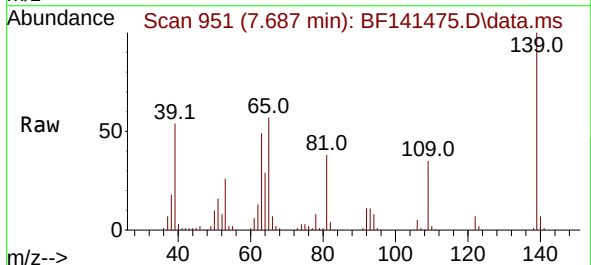
Manual Integrations
APPROVED

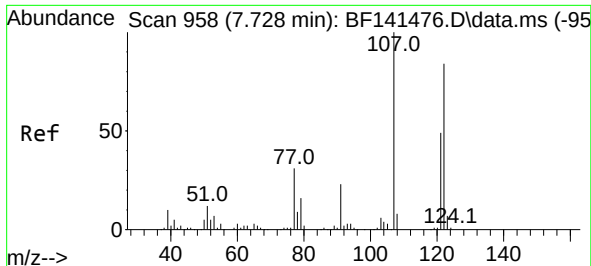
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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 :

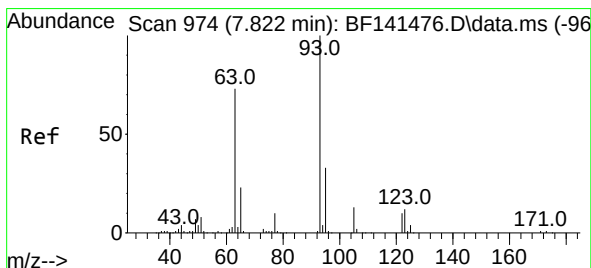
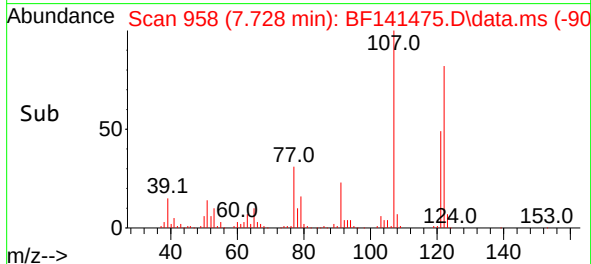
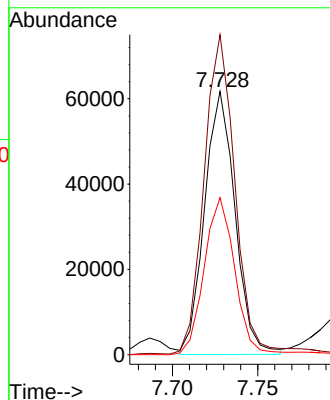
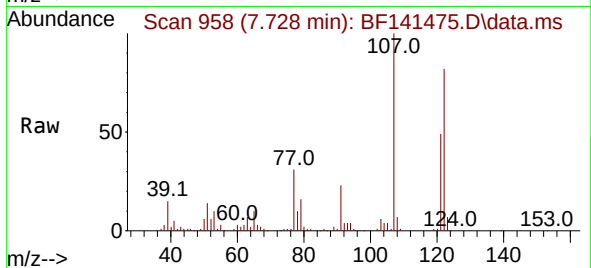
SSTDICC020

Tgt Ion:	122	Resp:	7675
Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.3	141.5
121	59.6	46.0	69.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.852 ng

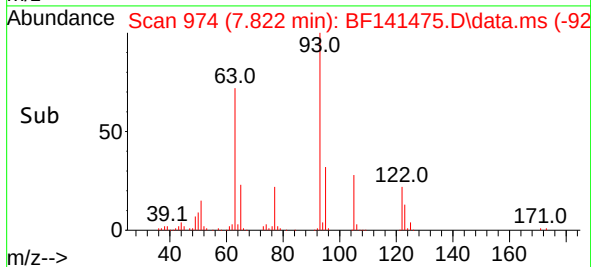
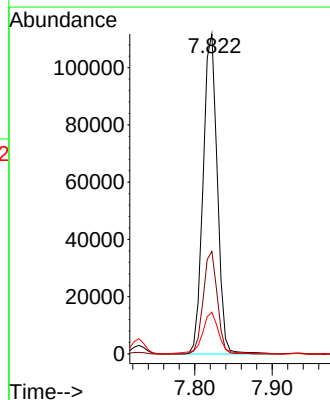
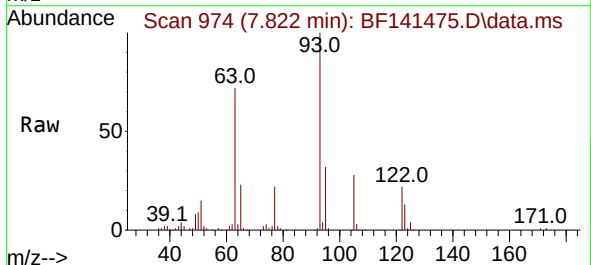
RT: 7.822 min Scan# 974

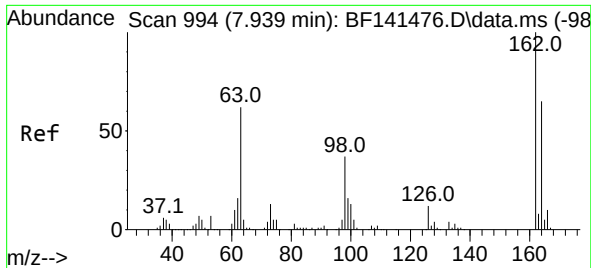
Delta R.T. -0.006 min

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





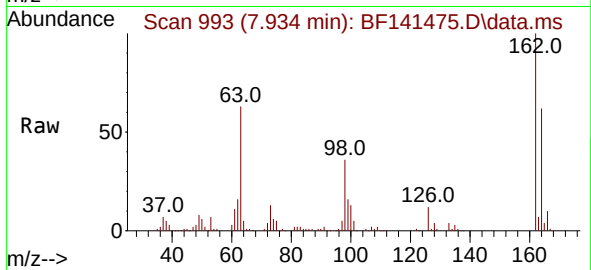
#29
2,4-Dichlorophenol
Concen: 21.227 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

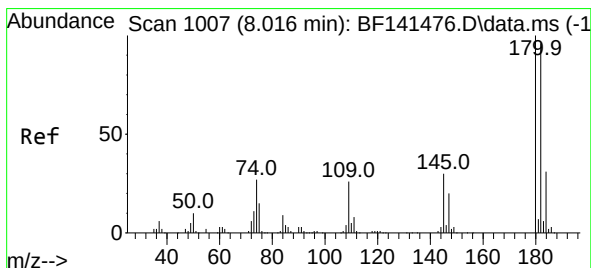
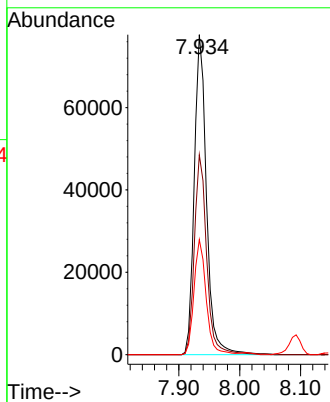
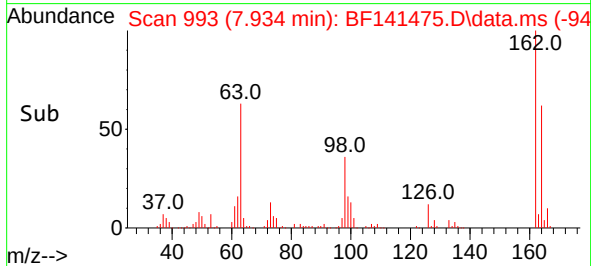
SSTDICC020



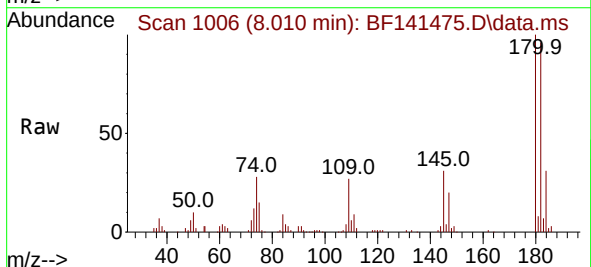
Tgt Ion:162 Resp: 108450
Ion Ratio Lower Upper
162 100
164 62.4 44.6 84.6
98 36.0 17.2 57.2

Manual Integrations
APPROVED

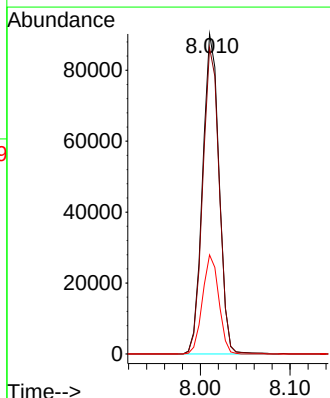
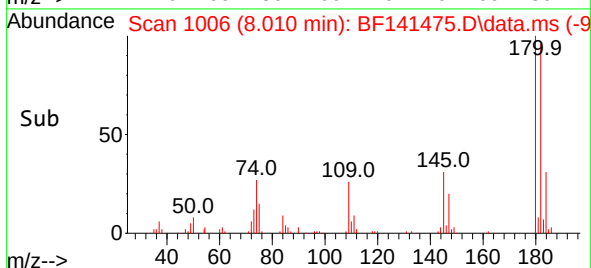
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

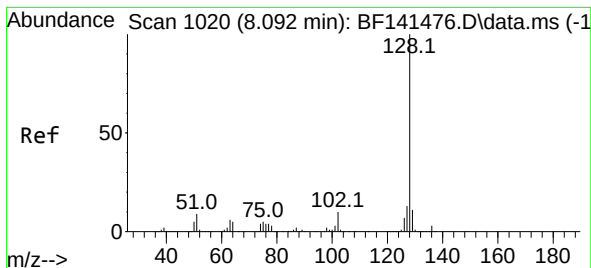


#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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





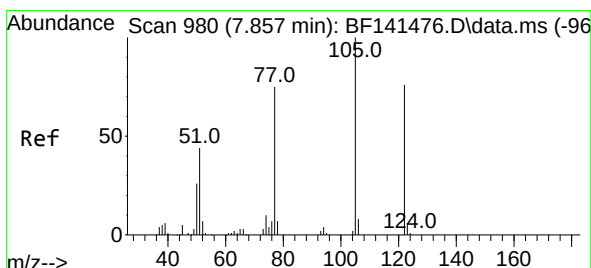
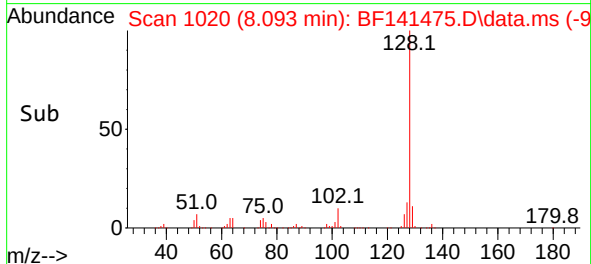
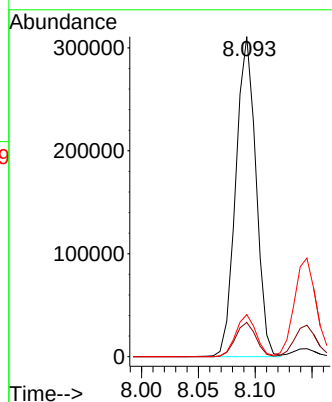
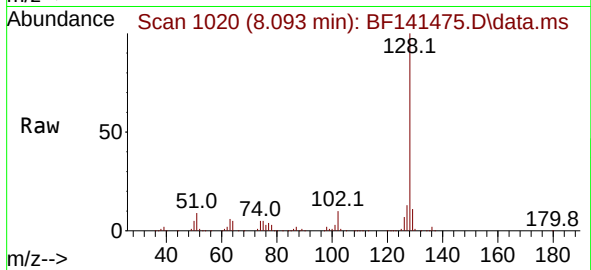
#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 38154
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.2 10.7 16.1

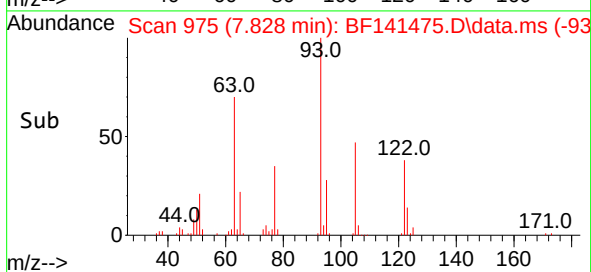
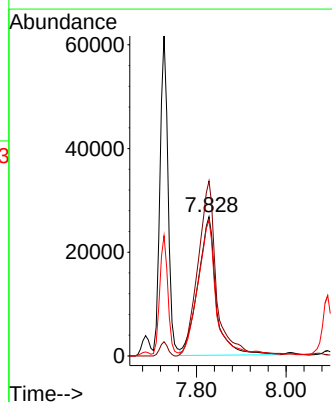
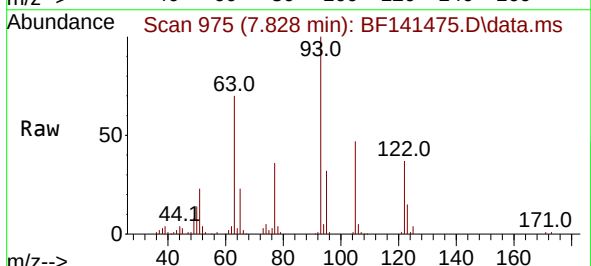
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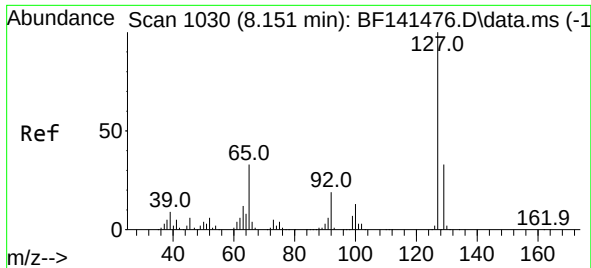
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

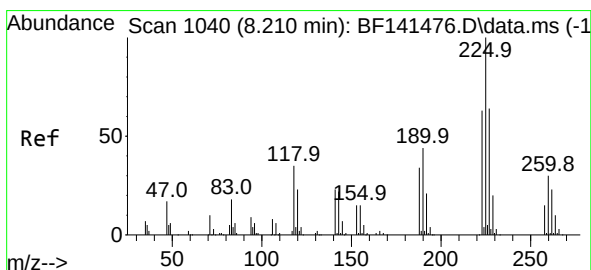
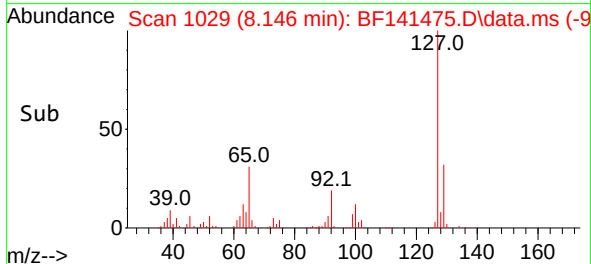
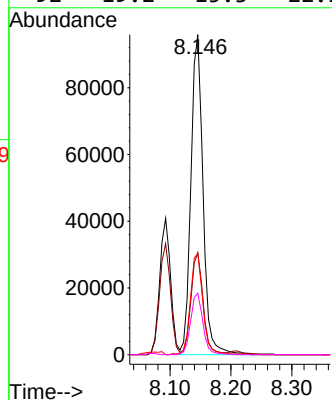
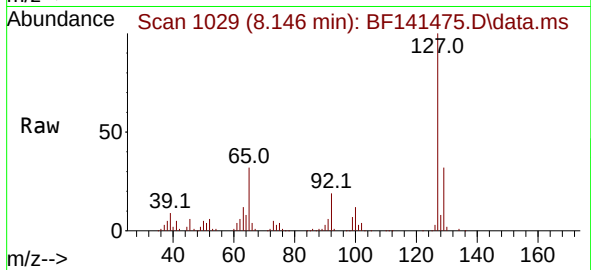
ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 13291
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

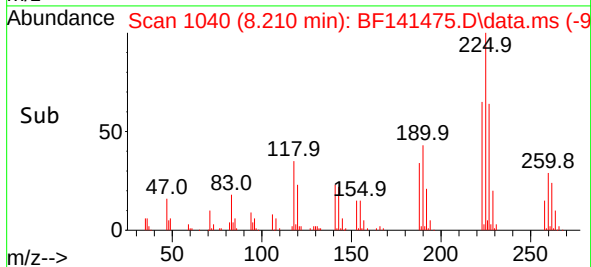
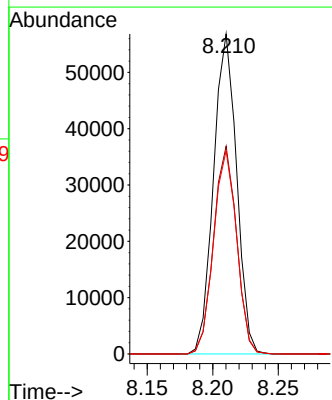
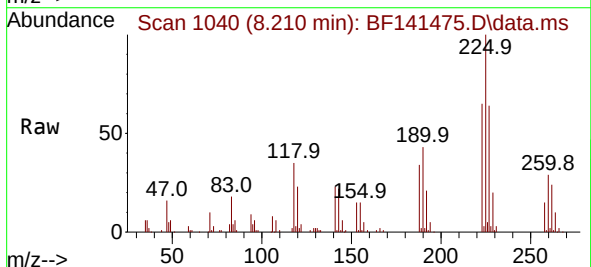
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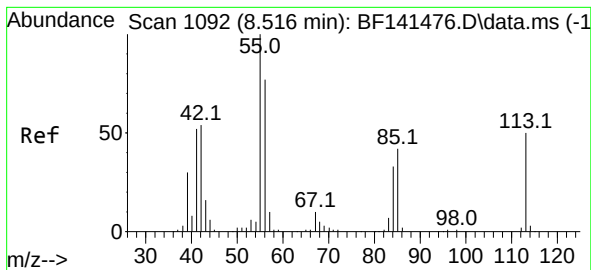
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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





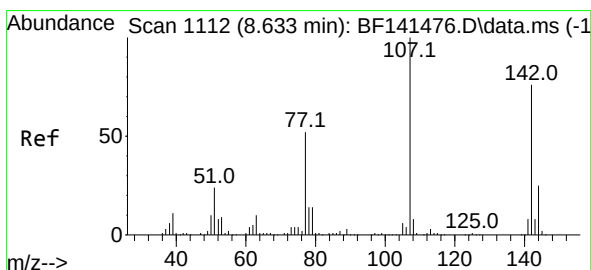
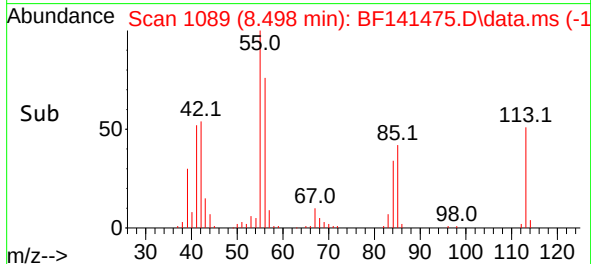
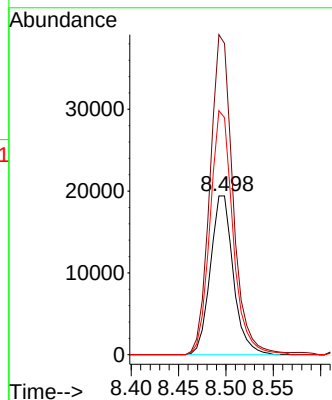
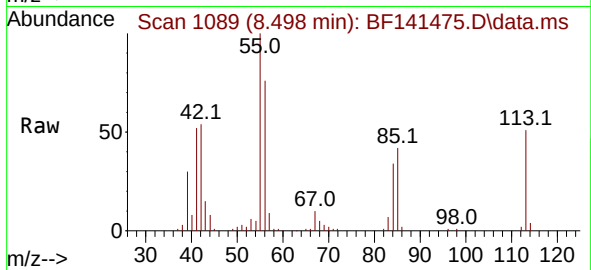
#35
 Caprolactam
 Concen: 21.050 ng
 RT: 8.498 min Scan# 1092
 Delta R.T. -0.047 min
 Lab File: BF141475.D
 Acq: 06 Feb 2025 12:26

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Tgt Ion:113 Resp: 32740
 Ion Ratio Lower Upper
 113 100
 55 196.0 180.8 220.8
 56 149.2 133.6 173.6

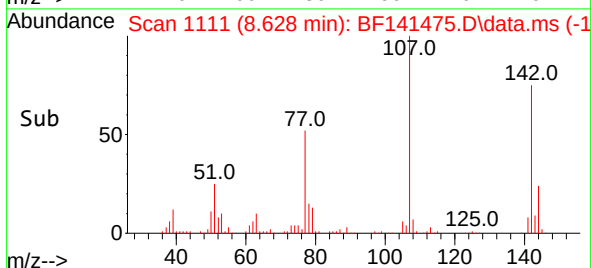
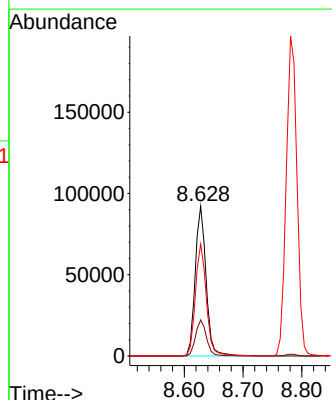
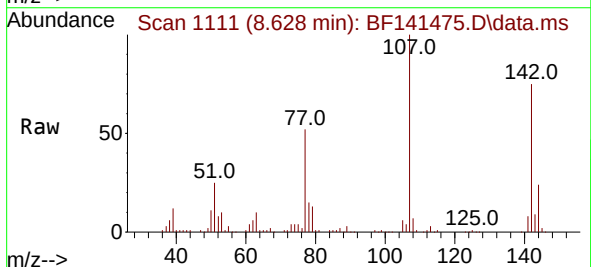
Manual Integrations
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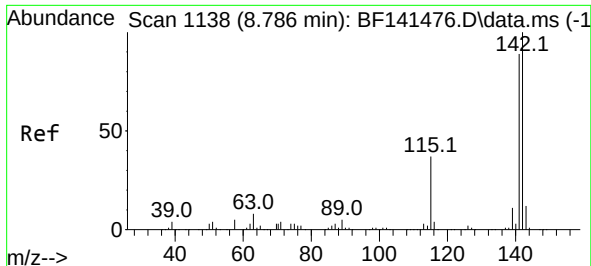
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#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

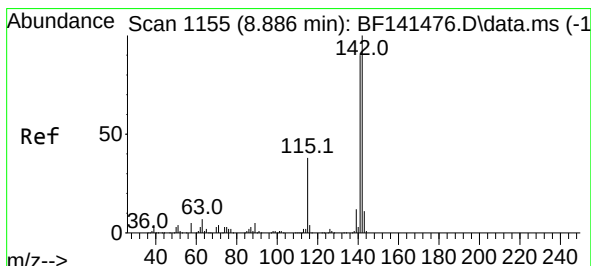
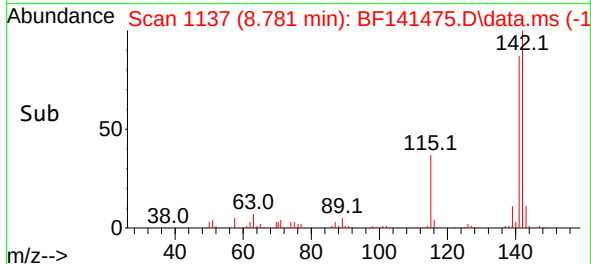
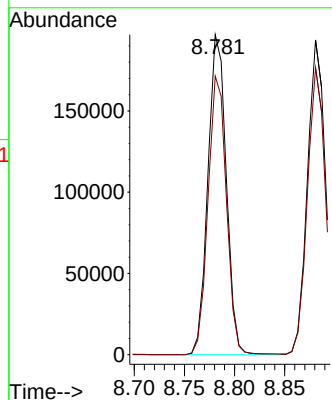
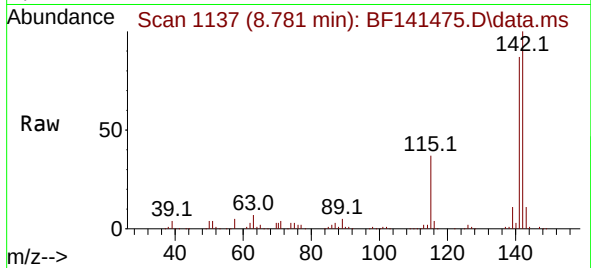
ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 25036
Ion Ratio Lower Upper
142 100
141 87.0 71.2 106.8

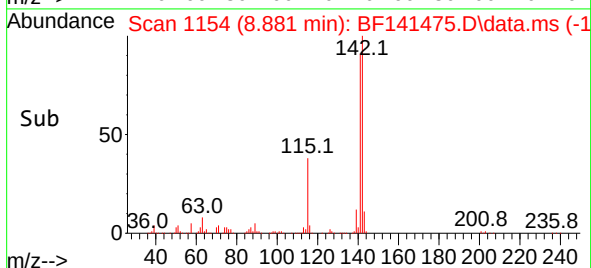
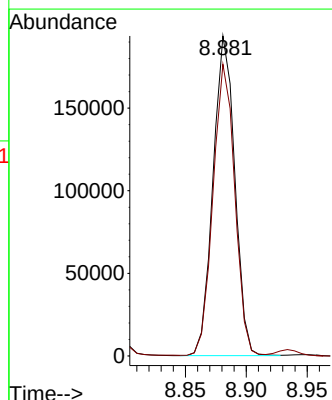
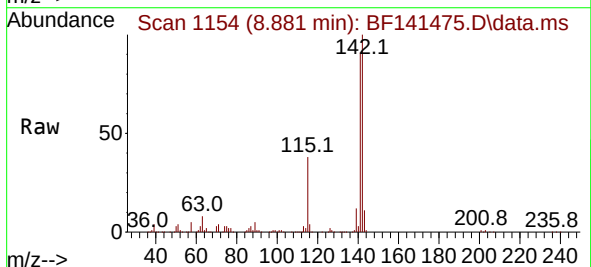
Manual Integrations
APPROVED

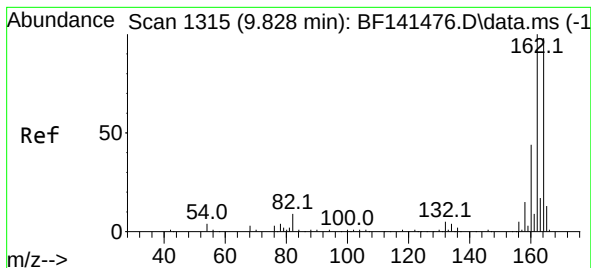
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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# 1165

Delta R.T. -0.006 min

Lab File: BF141475.D

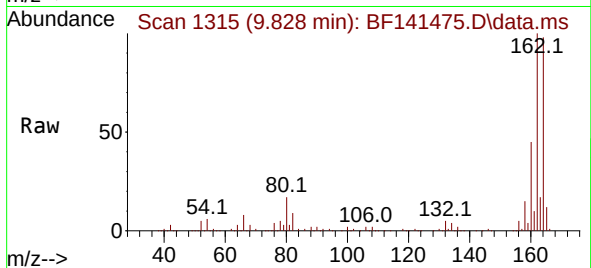
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

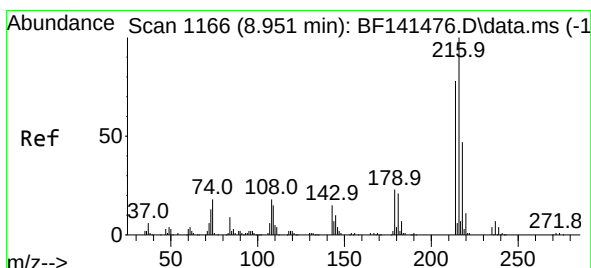
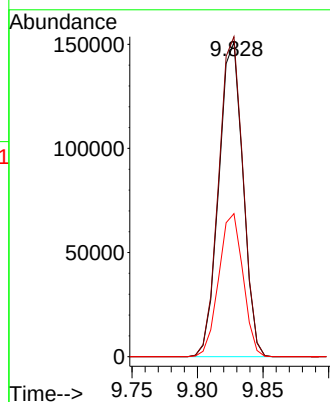
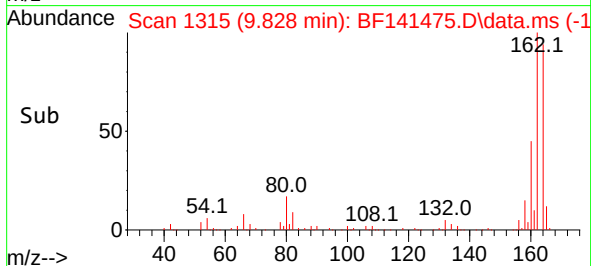
SSTDICC020



Tgt Ion:164	Resp:	19309
Ion Ratio	Lower	Upper
164	100	
162	101.7	81.3 121.9
160	45.5	35.9 53.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#40

1,2,4,5-Tetrachlorobenzene

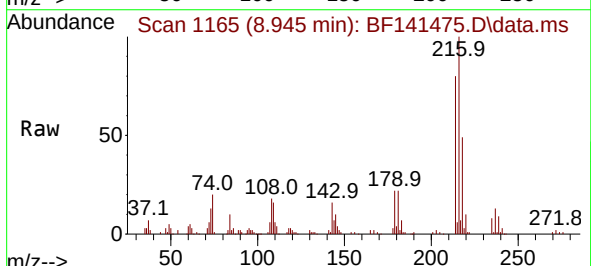
Concen: 20.753 ng

RT: 8.945 min Scan# 1165

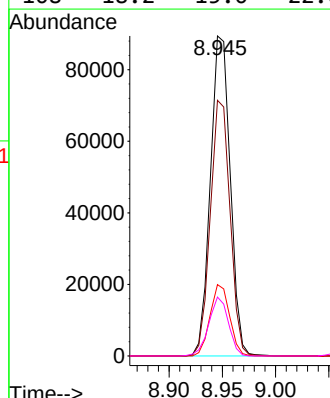
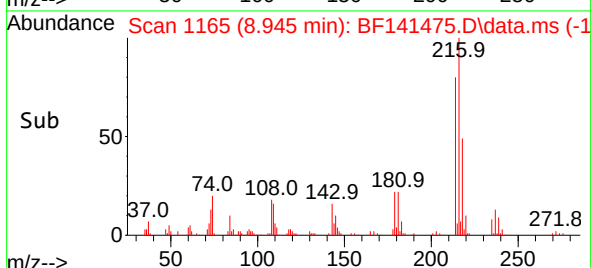
Delta R.T. -0.006 min

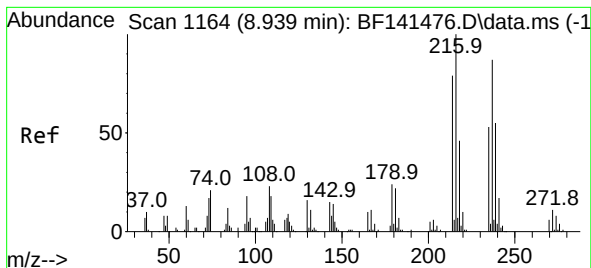
Lab File: BF141475.D

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 :

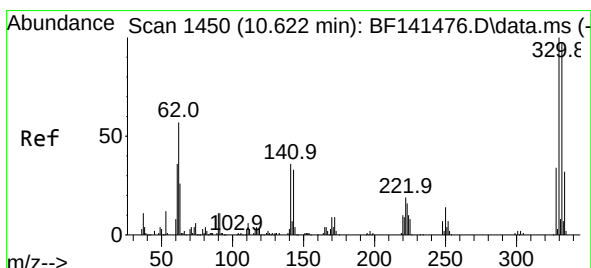
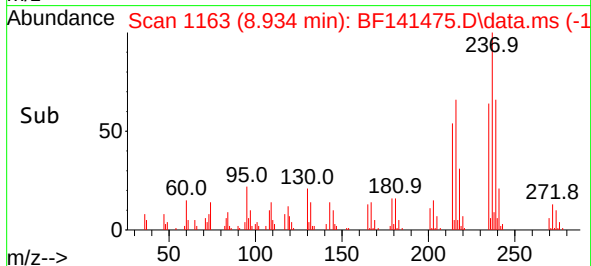
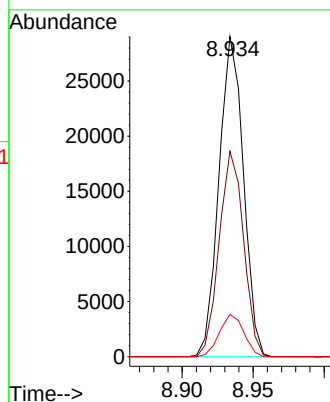
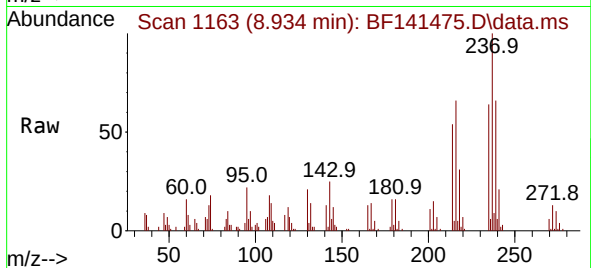
SSTDICC020

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

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#42

2,4,6-Tribromophenol

Concen: 41.714 ng

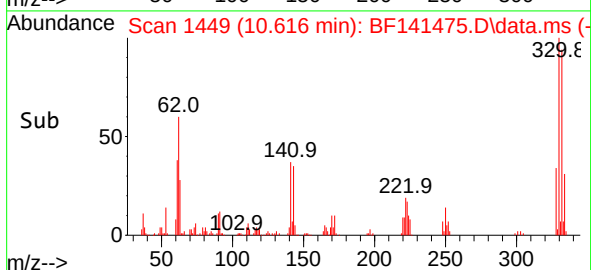
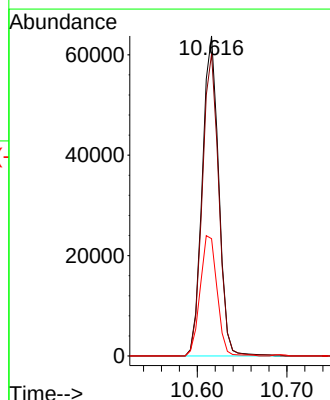
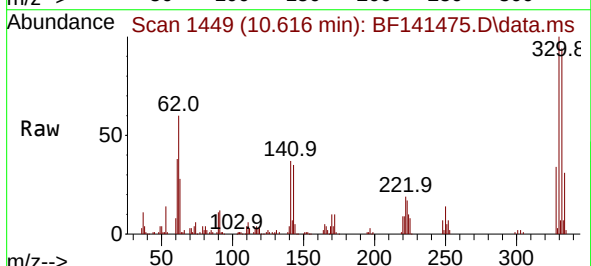
RT: 10.616 min Scan# 1449

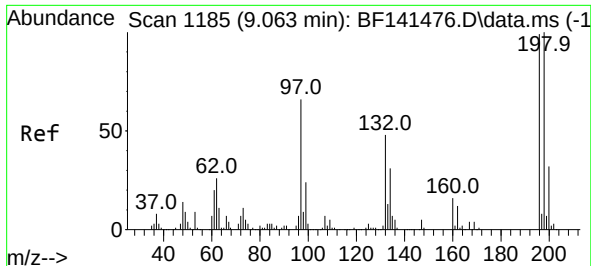
Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

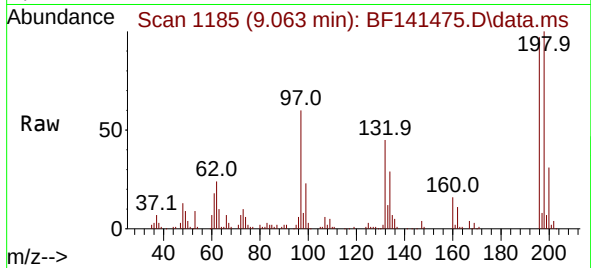
Tgt Ion:	330	Resp:	80912
Ion Ratio	Lower	Upper	
330	100		
332	94.7	78.5	117.7
141	38.7	31.0	46.4





#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

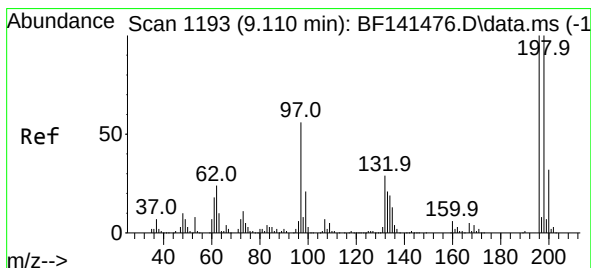
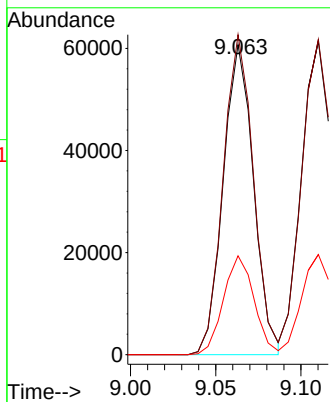
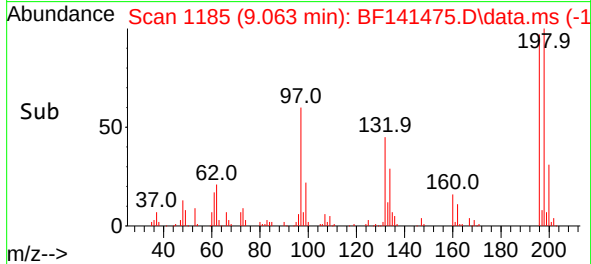
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



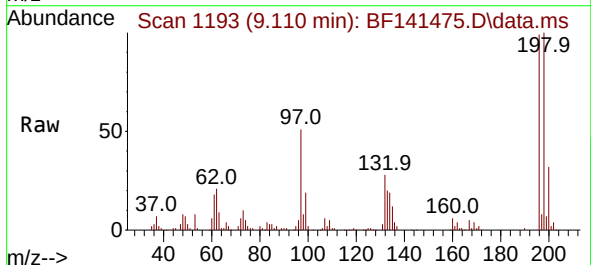
Tgt Ion:196 Resp: 7516
Ion Ratio Lower Upper
196 100
198 103.2 80.6 121.0
200 31.9 25.5 38.3

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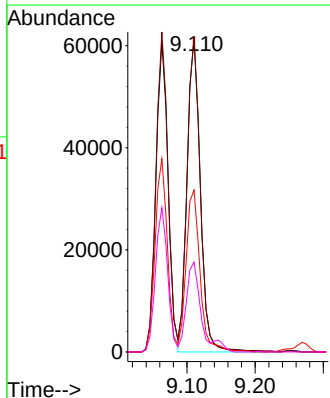
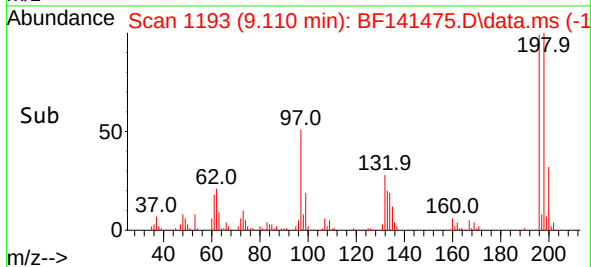
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

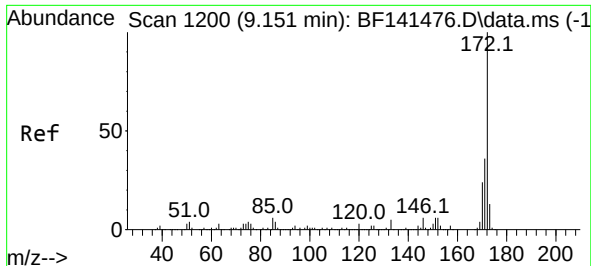


#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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: 53484

Ion Ratio Lower Upper

172 100

171 34.6 28.7 43.1

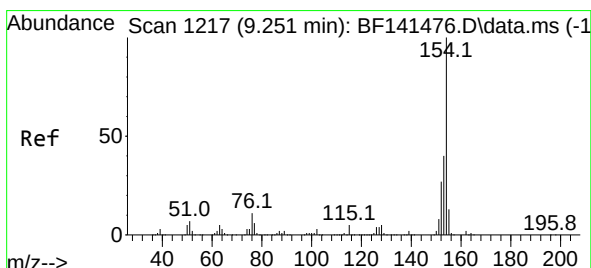
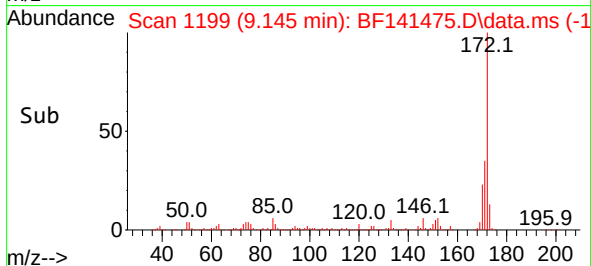
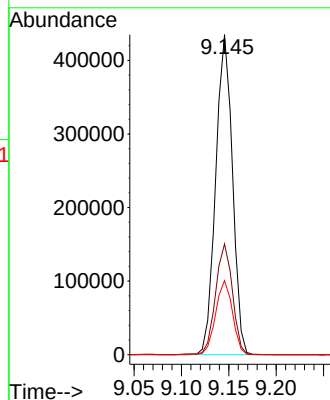
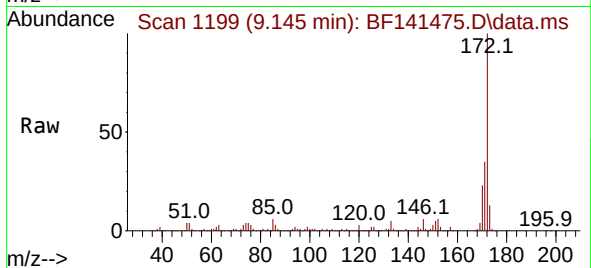
170 23.1 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#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

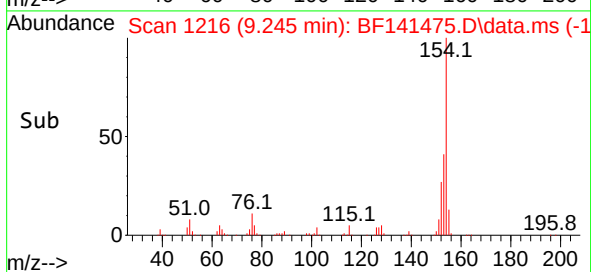
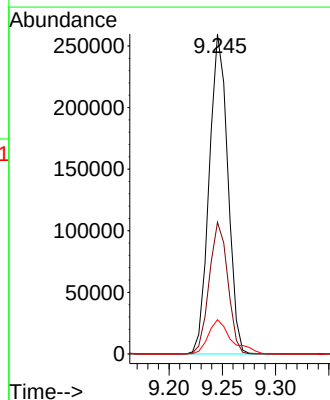
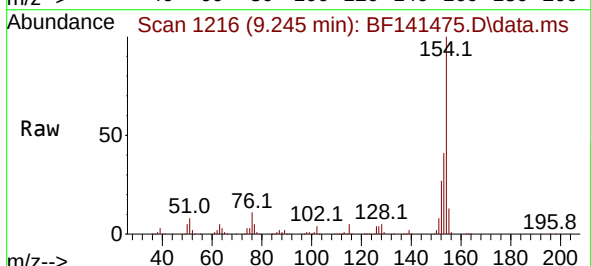
Tgt Ion:154 Resp: 315040

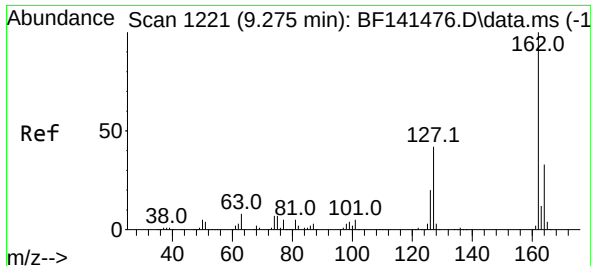
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 233789

Ion Ratio Lower Upper

162 100

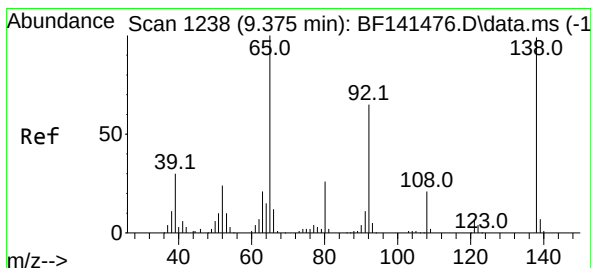
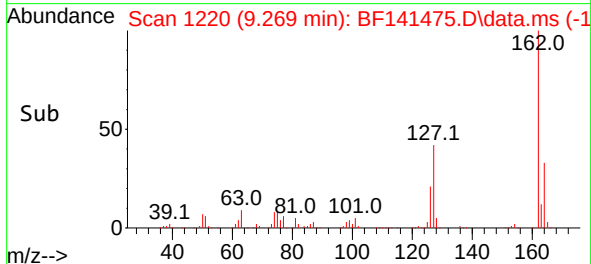
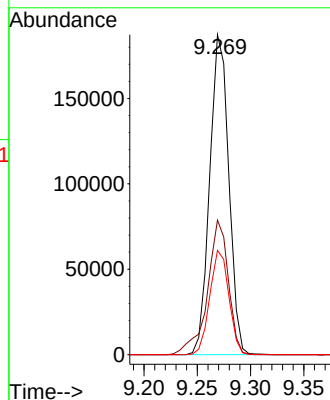
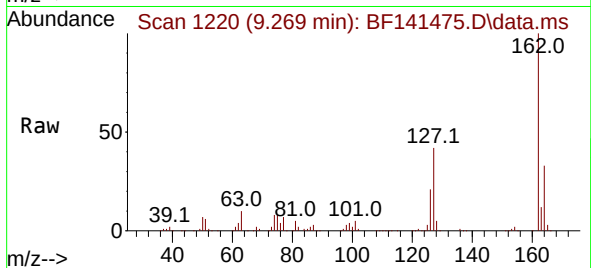
127 42.1 34.1 51.1

164 32.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

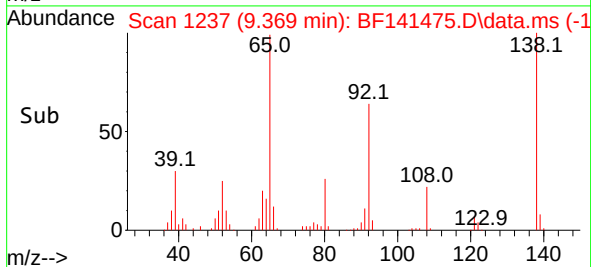
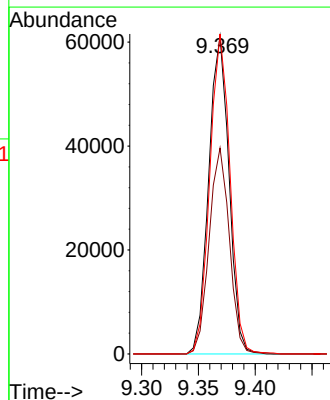
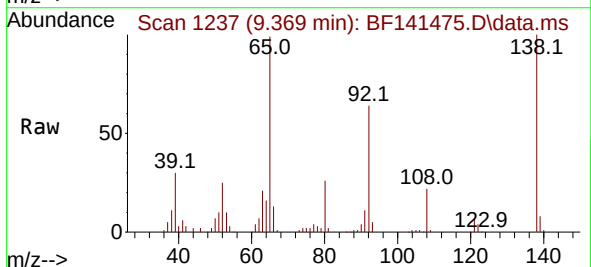
Tgt Ion: 65 Resp: 75990

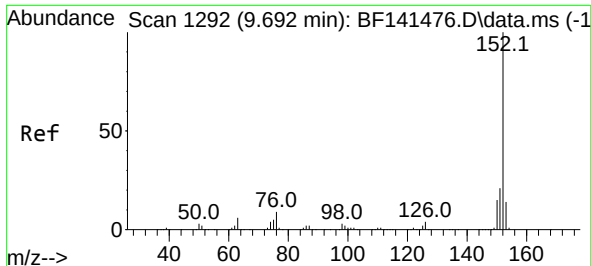
Ion Ratio Lower Upper

65 100

92 64.8 52.2 78.2

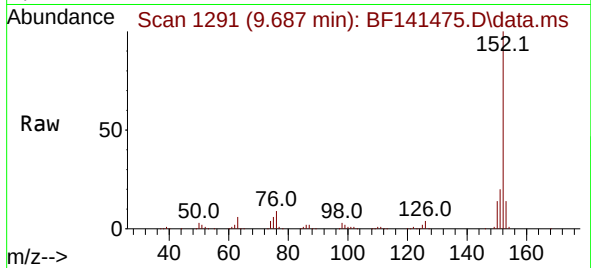
138 100.7 79.5 119.3





#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

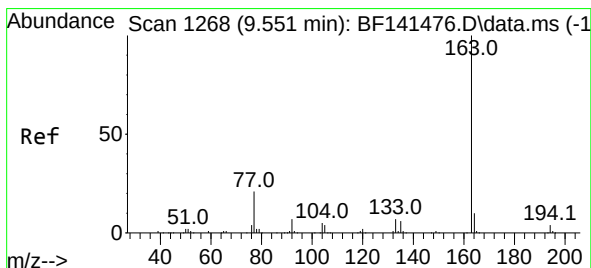
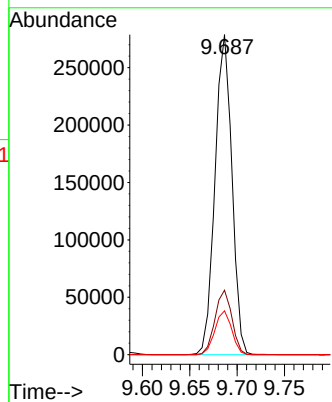
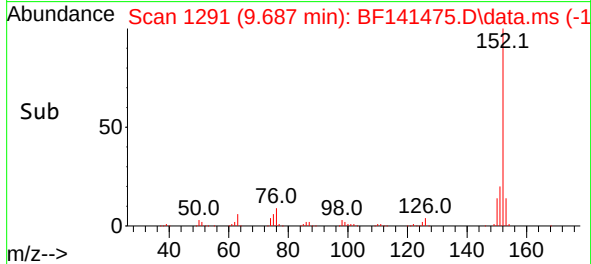
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



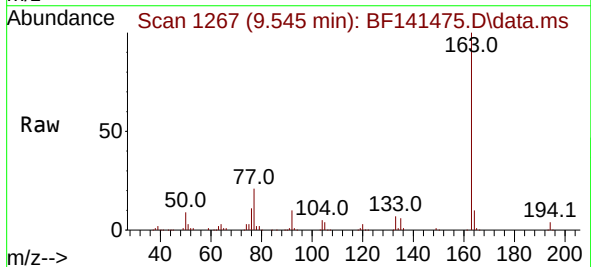
Tgt Ion:152 Resp: 345829
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.7 10.9 16.3

Manual Integrations
APPROVED

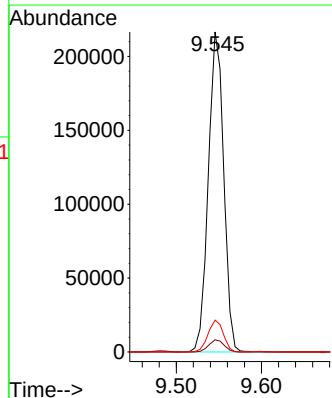
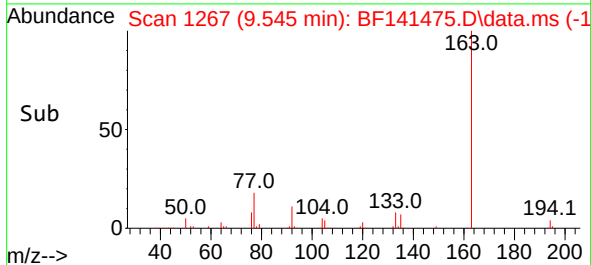
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

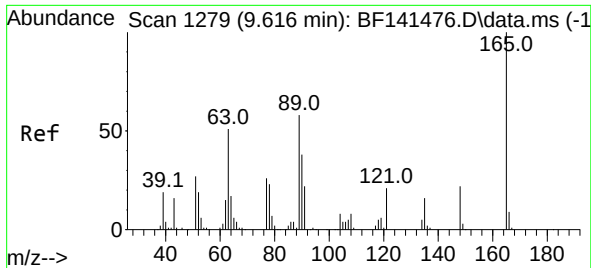


#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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





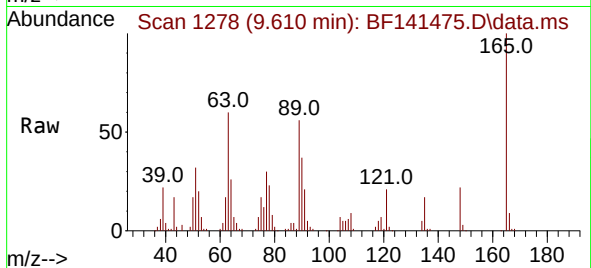
#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

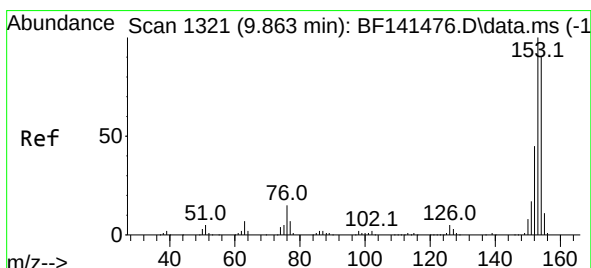
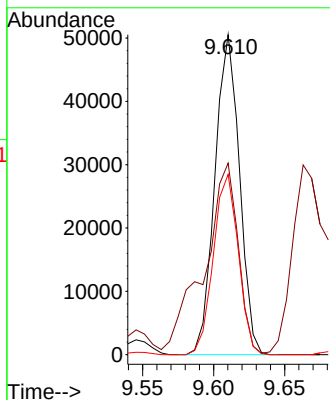
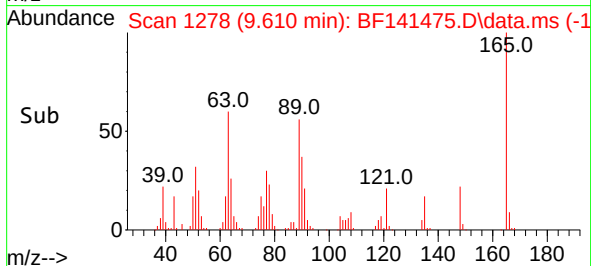


Tgt Ion:165 Resp: 60700
Ion Ratio Lower Upper
165 100
63 59.8 49.4 74.0
89 56.3 46.5 69.7

Manual Integrations

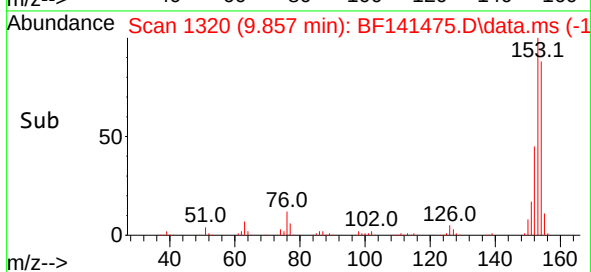
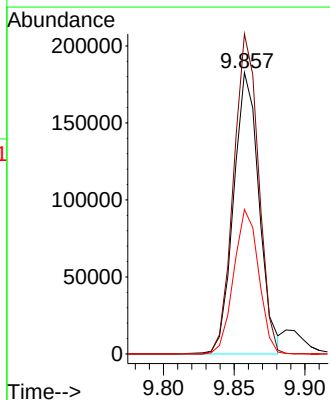
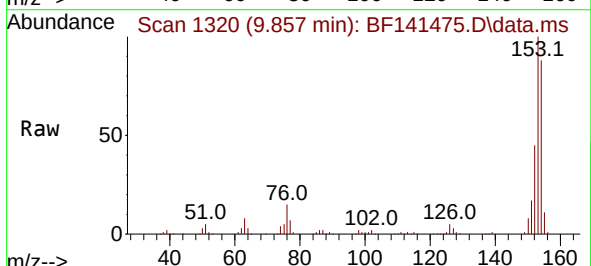
APPROVED

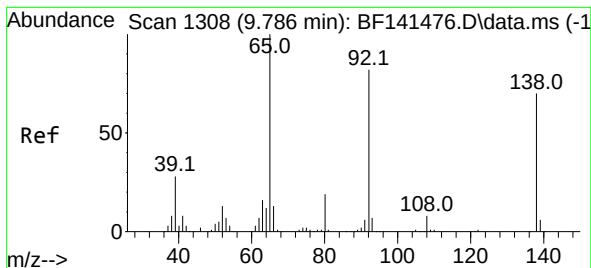
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

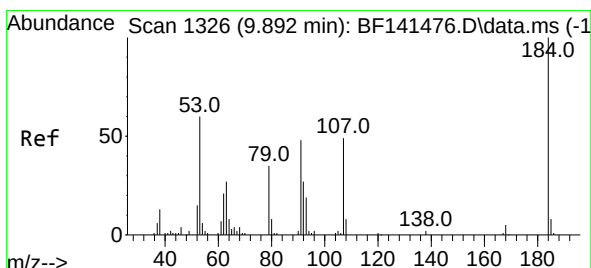
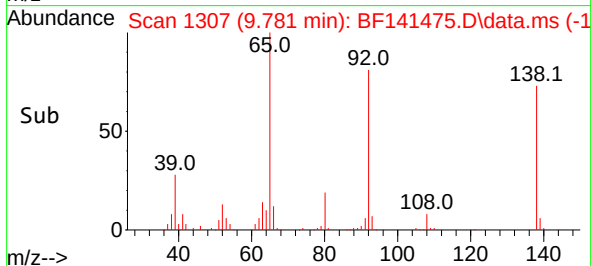
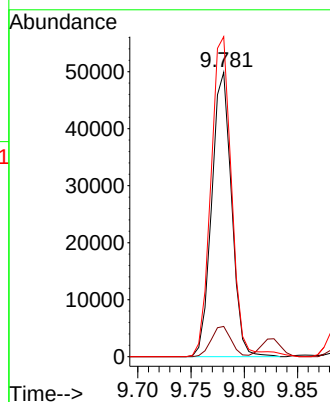
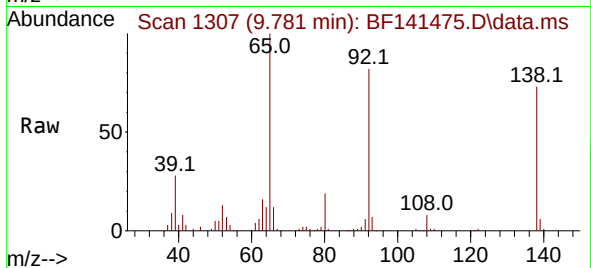
Tgt Ion:138 Resp: 64620

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.4
92	112.5	93.7	140.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54

2,4-Dinitrophenol

Concen: 18.898 ng

RT: 9.887 min Scan# 1325

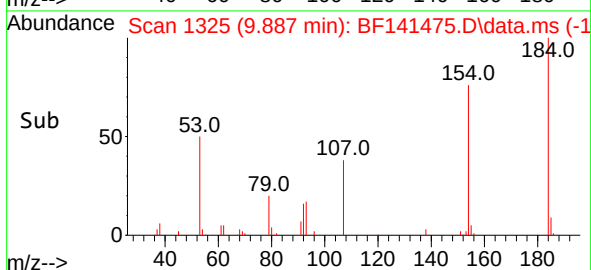
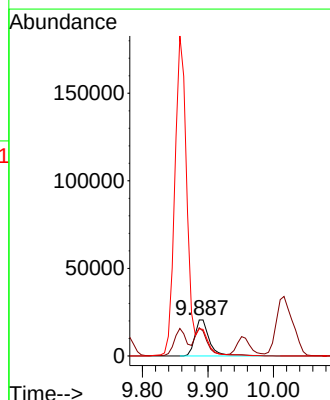
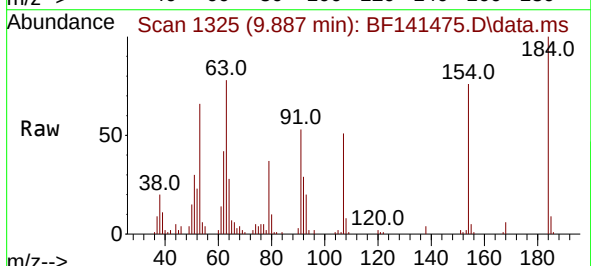
Delta R.T. -0.017 min

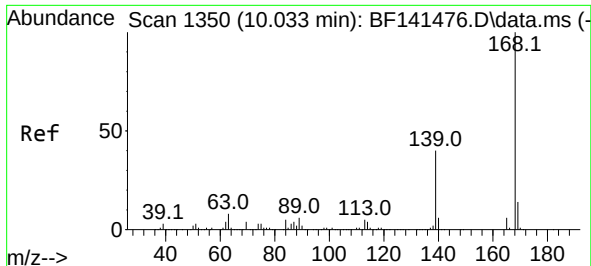
Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 32186

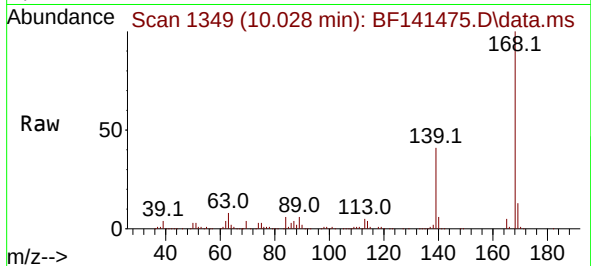
Ion	Ratio	Lower	Upper
184	100		
63	78.3	61.0	91.6
154	75.8	59.9	89.9





#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

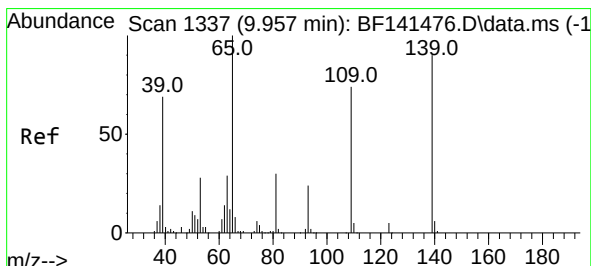
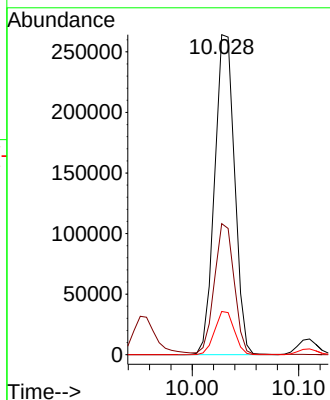
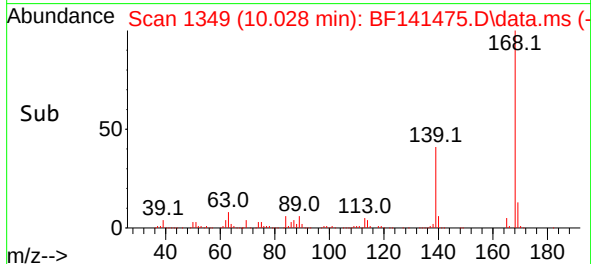
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



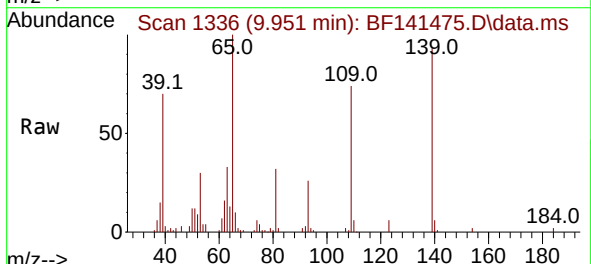
Tgt Ion:168 Resp: 342620
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.5 10.8 16.2

Manual Integrations
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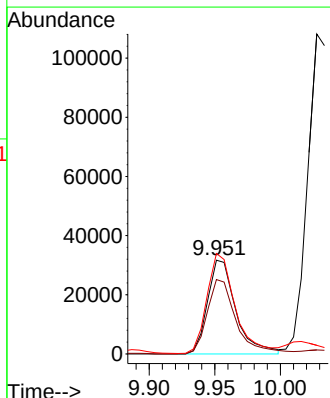
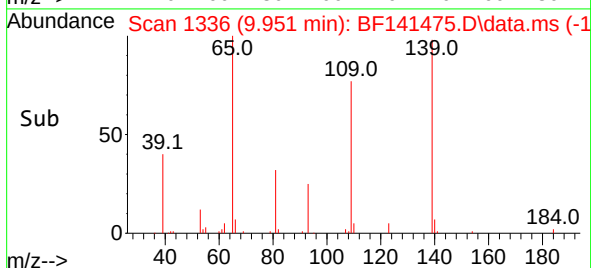
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

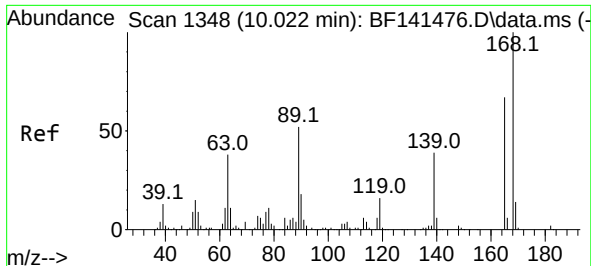


#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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





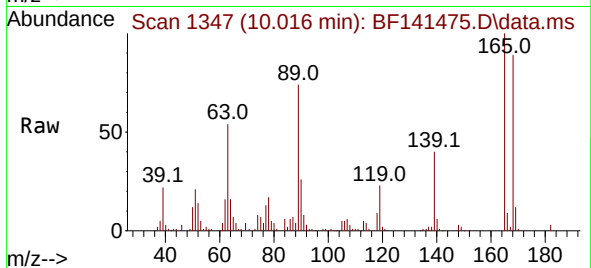
#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

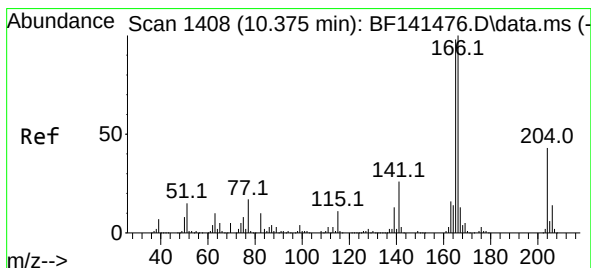
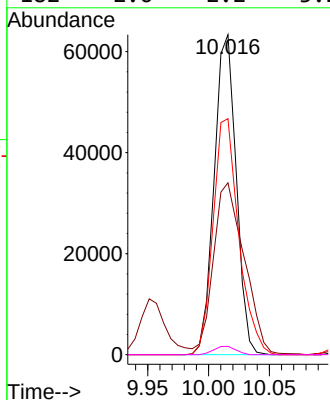
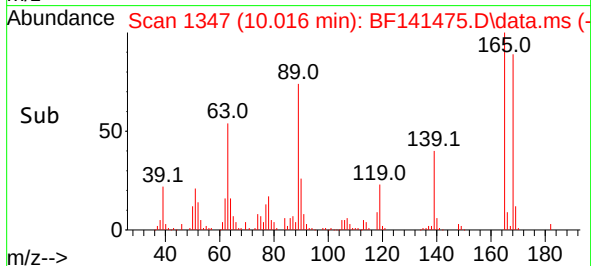


Tgt Ion:165 Resp: 7986
Ion Ratio Lower Upper
165 100
63 53.7 46.4 69.6
89 73.8 61.8 92.6
182 2.6 2.2 3.2

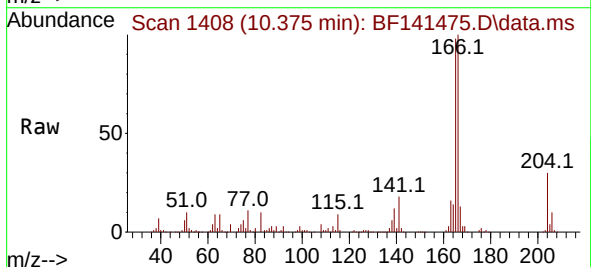
Manual Integrations

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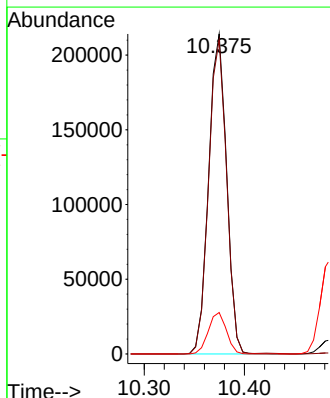
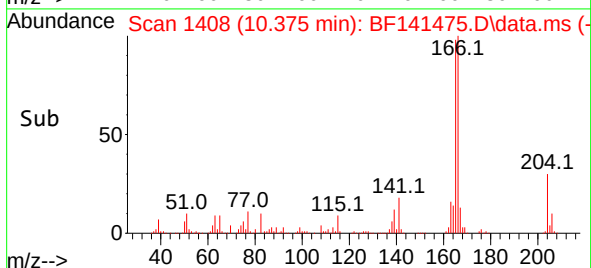
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

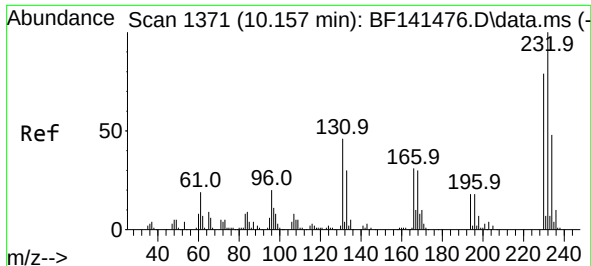


#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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# 1370
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

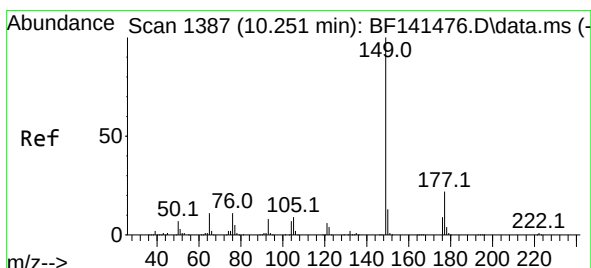
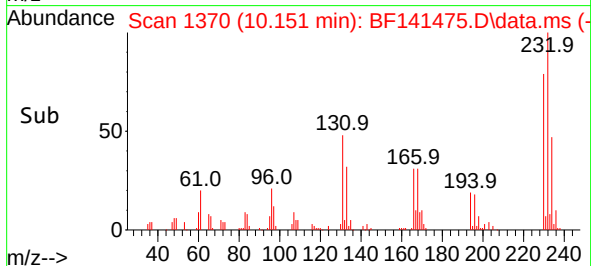
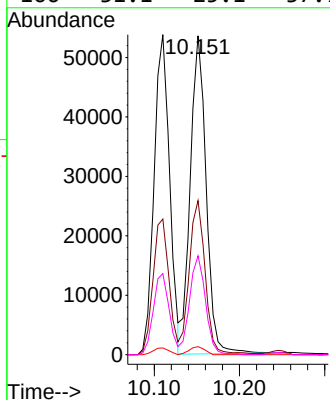
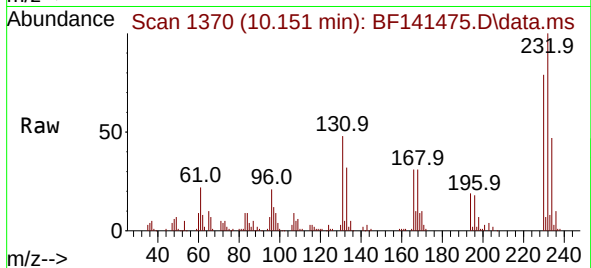
ClientSampleId :

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

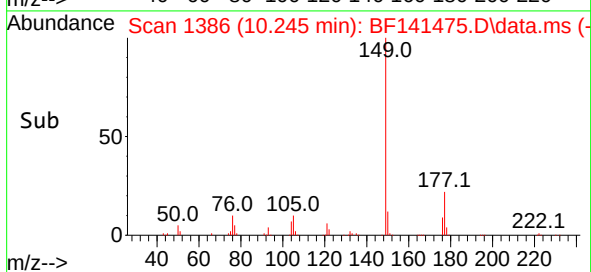
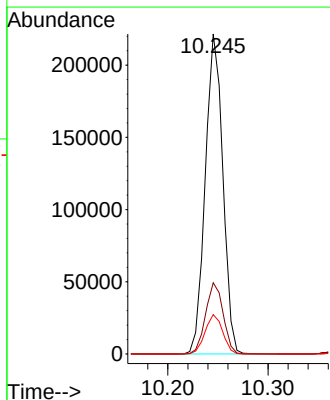
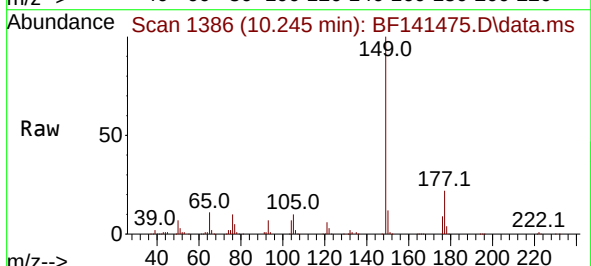
Manual Integrations
APPROVED

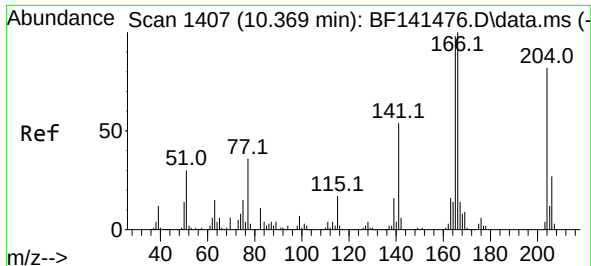
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

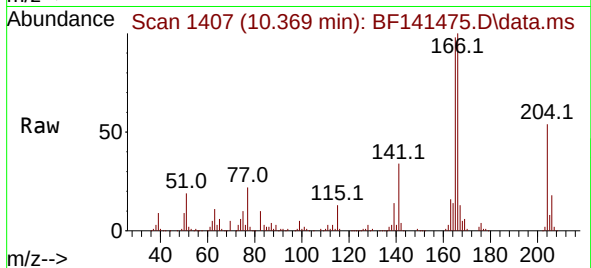
Tgt Ion:149 Resp: 270018
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.3 10.1 15.1





#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

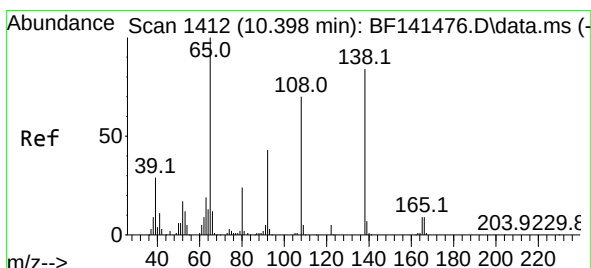
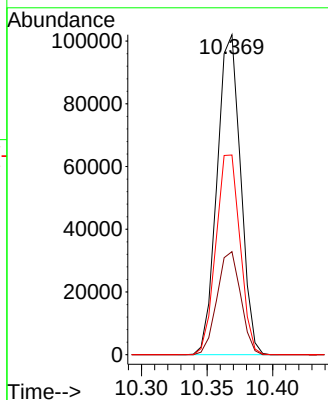
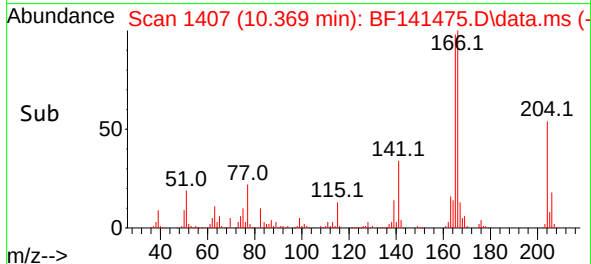
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



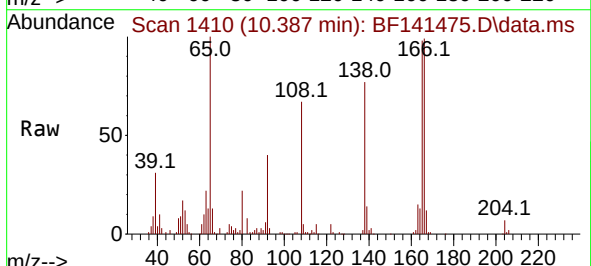
Tgt Ion:204 Resp: 127210
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 62.4 51.9 77.9

Manual Integrations
APPROVED

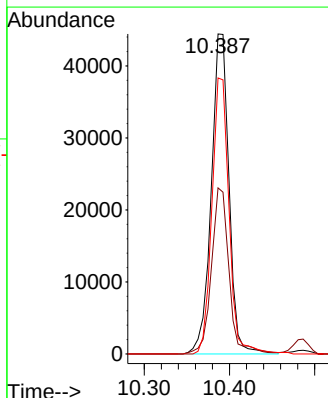
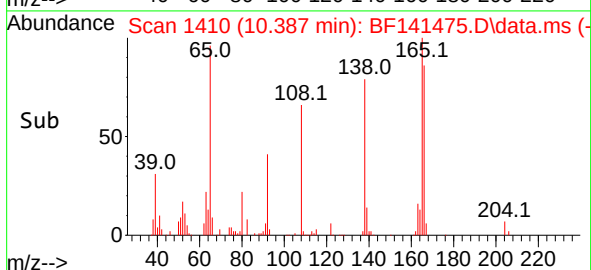
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

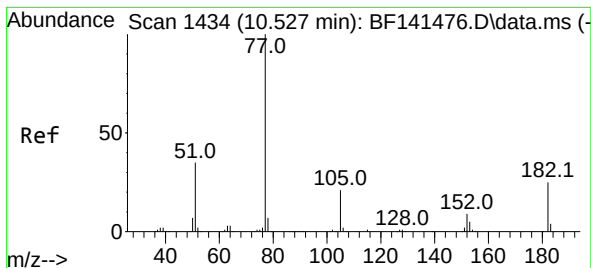


#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



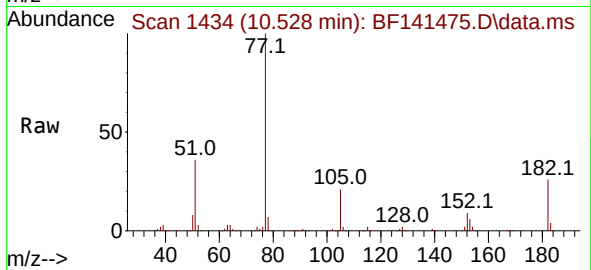
Tgt Ion:138 Resp: 64262
Ion Ratio Lower Upper
138 100
92 51.9 31.3 71.3
108 86.2 63.7 103.7





#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

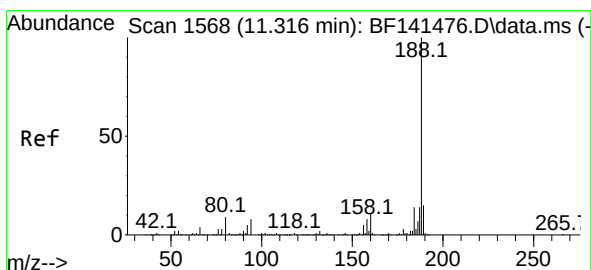
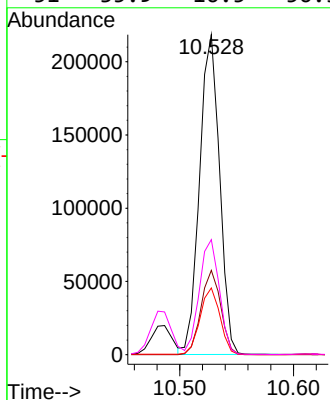
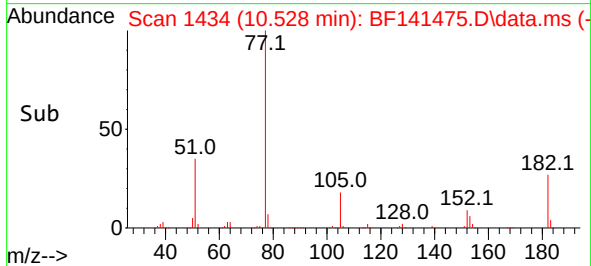
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



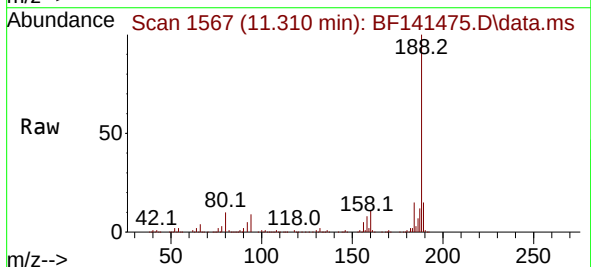
Tgt Ion: 77 Resp: 267372
Ion Ratio Lower Upper
77 100
182 26.4 4.7 44.7
105 20.9 0.4 40.4
51 35.9 16.5 56.5

Manual Integrations
APPROVED

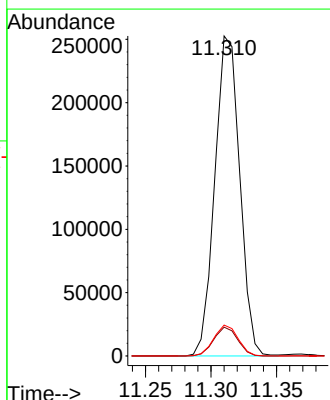
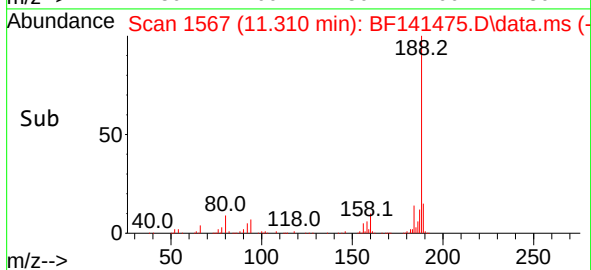
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

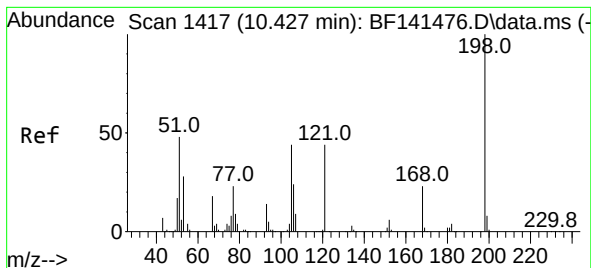


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



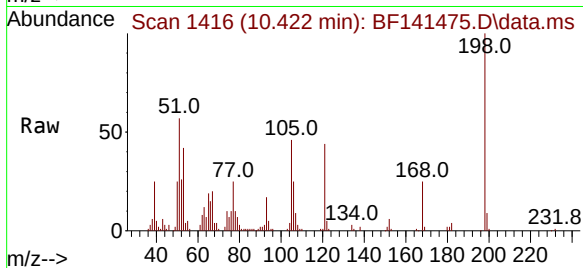
Tgt Ion:188 Resp: 333651
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 7.3 10.9





#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

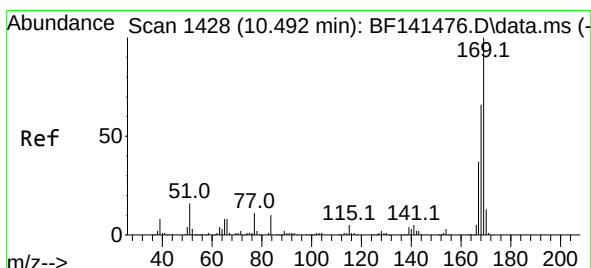
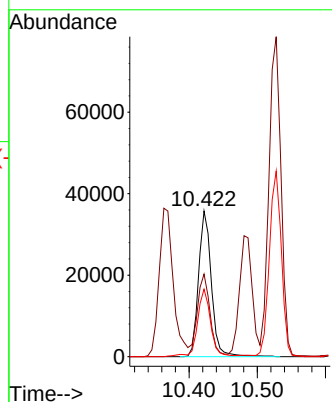
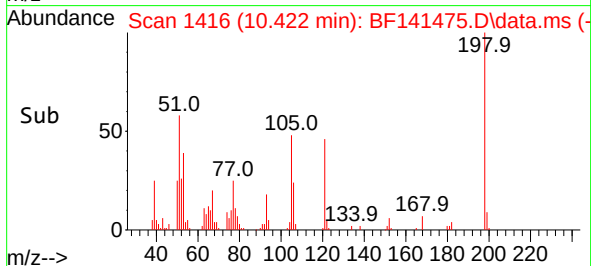
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



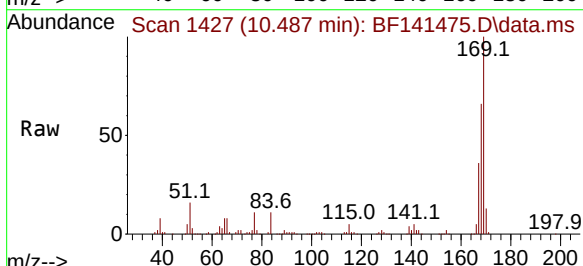
Tgt Ion:198 Resp: 4687
Ion Ratio Lower Upper
198 100
51 56.7 37.4 77.4
105 46.4 25.2 65.2

Manual Integrations
APPROVED

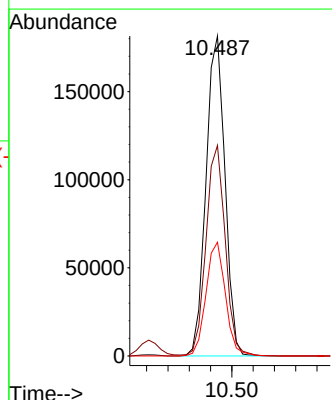
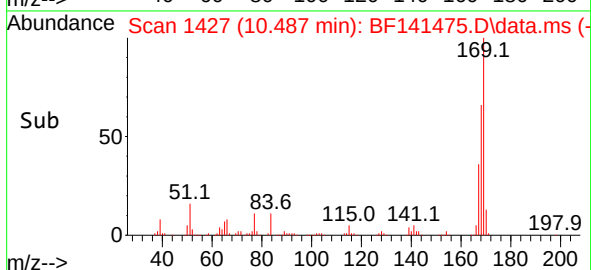
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

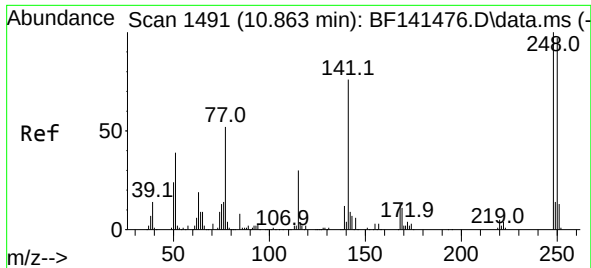


#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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

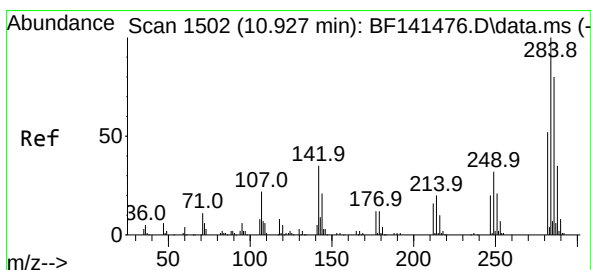
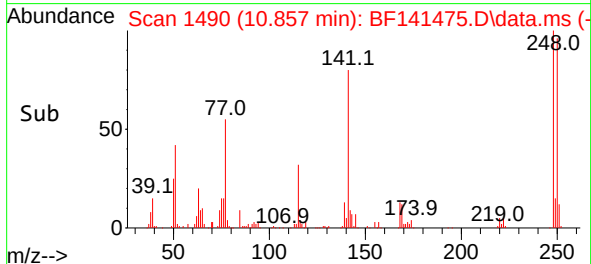
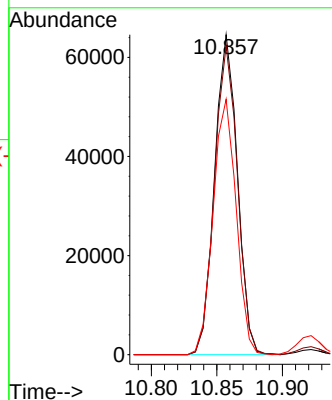
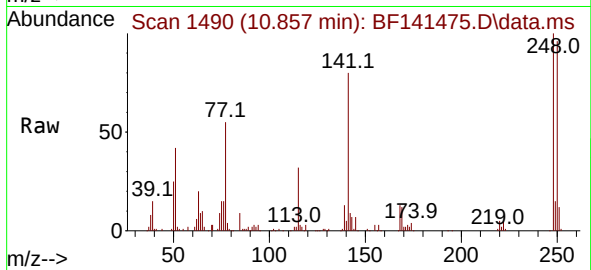
ClientSampleId :

SSTDICC020

Tgt Ion:248 Resp: 7816
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 79.8 60.6 90.8

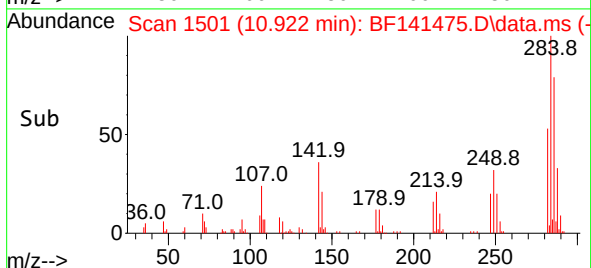
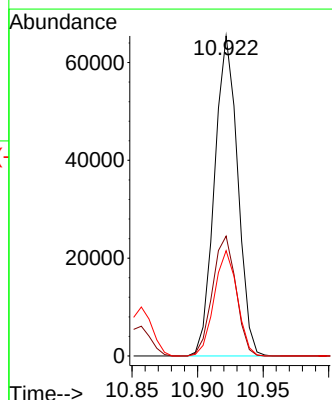
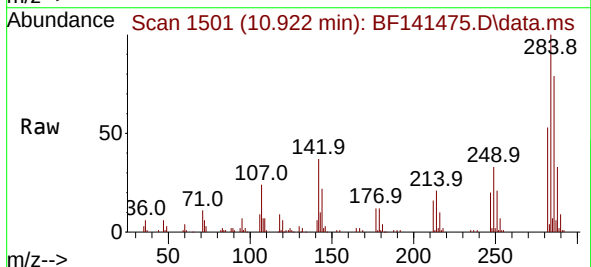
Manual Integrations
APPROVED

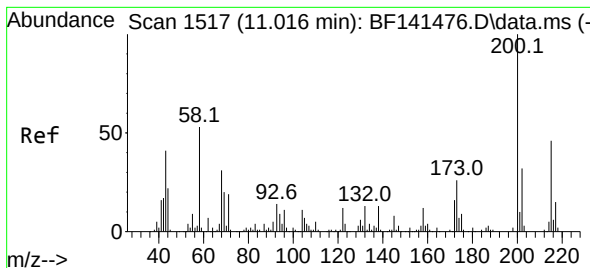
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

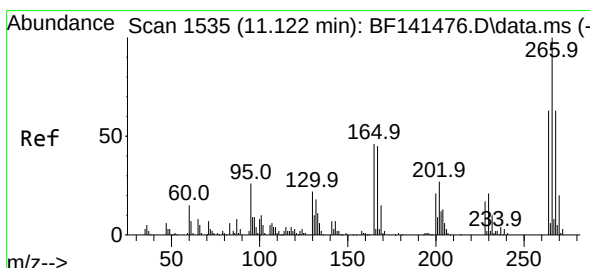
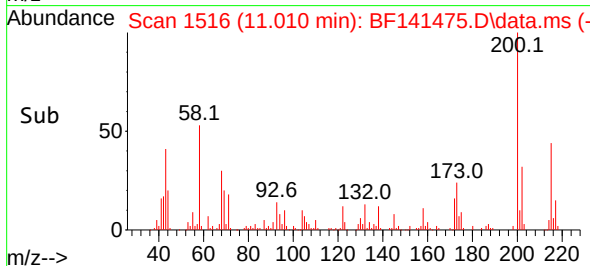
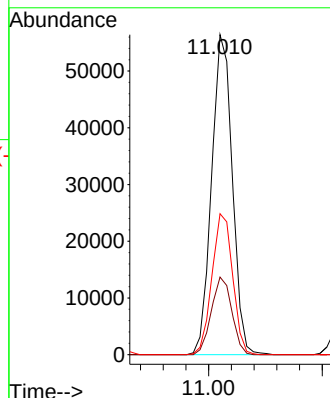
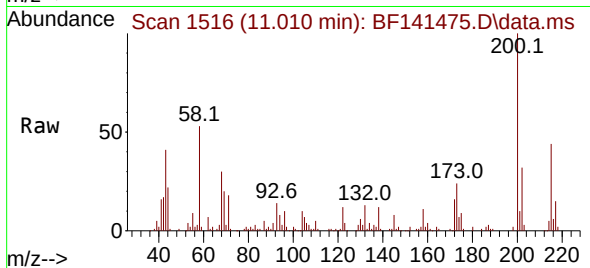
ClientSampleId :

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#70

Pentachlorophenol

Concen: 20.584 ng

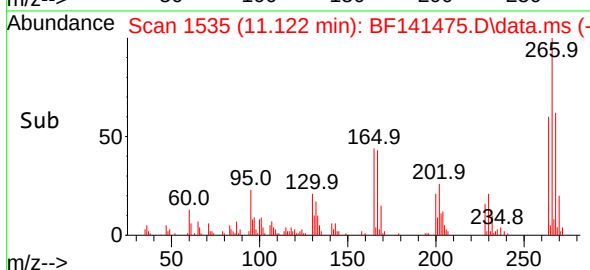
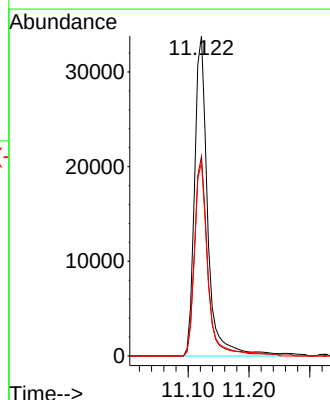
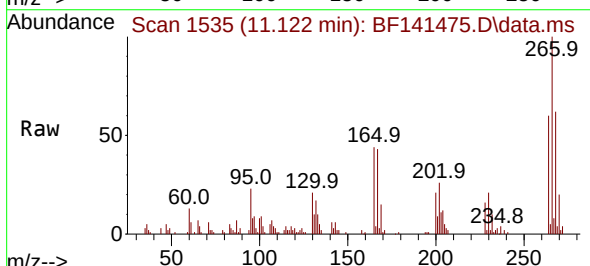
RT: 11.122 min Scan# 1535

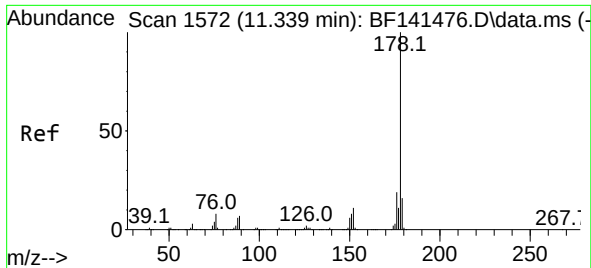
Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

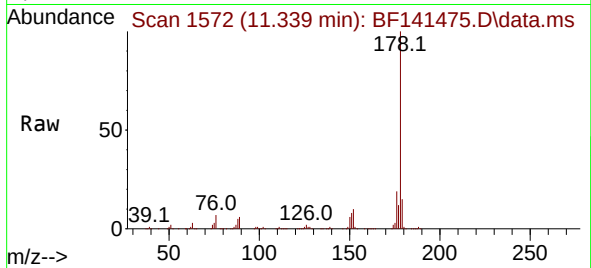
Tgt Ion:266 Resp: 50539
 Ion Ratio Lower Upper
 266 100
 268 62.4 50.1 75.1
 264 60.5 50.1 75.1





#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

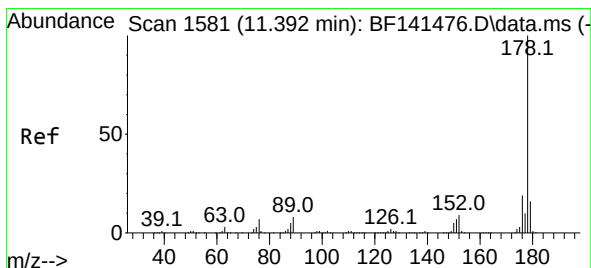
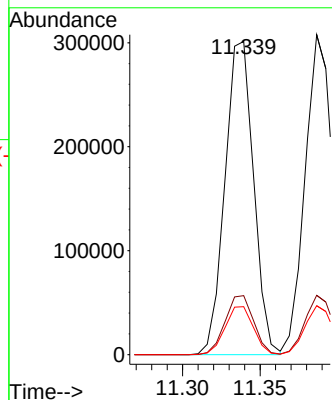
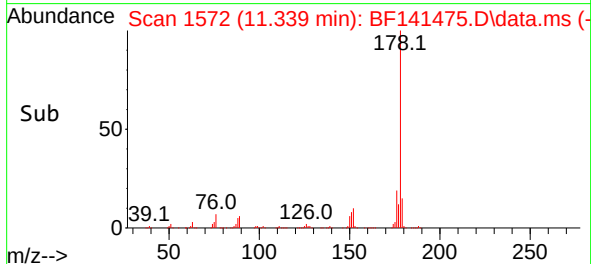
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



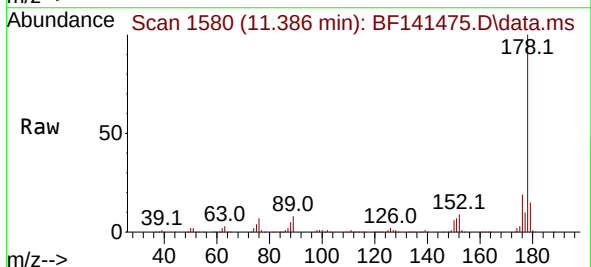
Tgt Ion:178 Resp: 387250
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.4 18.6

Manual Integrations
APPROVED

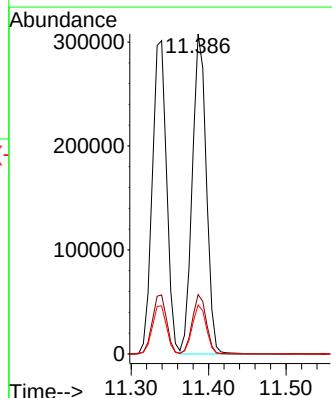
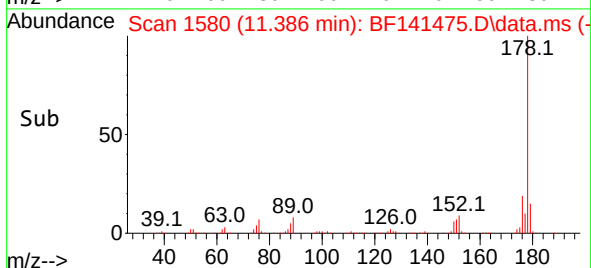
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

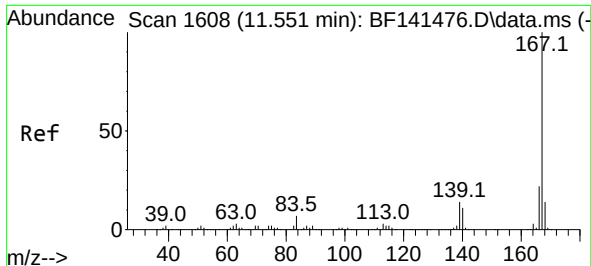


#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



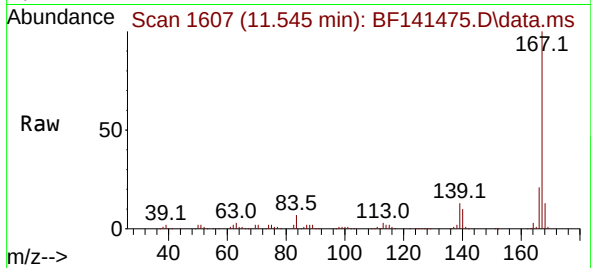
Tgt Ion:178 Resp: 386414
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.4 18.6





#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

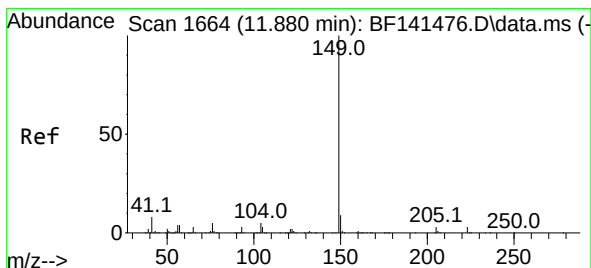
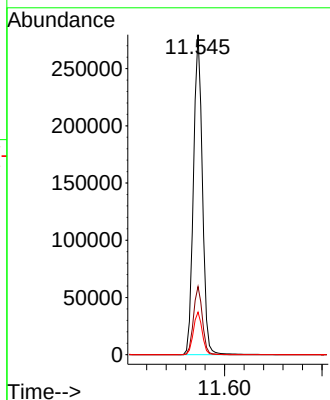
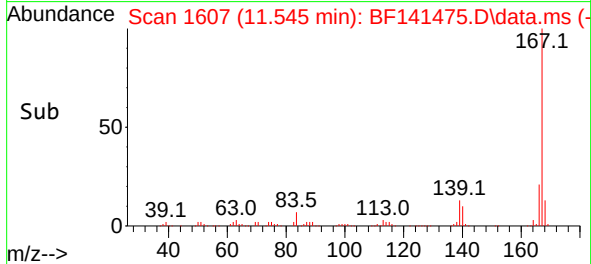
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



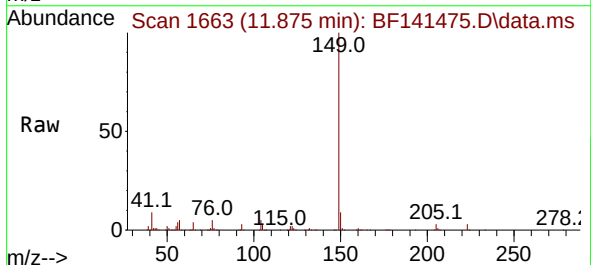
Tgt Ion:167 Resp: 35898
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 13.3 10.9 16.3

Manual Integrations
 APPROVED

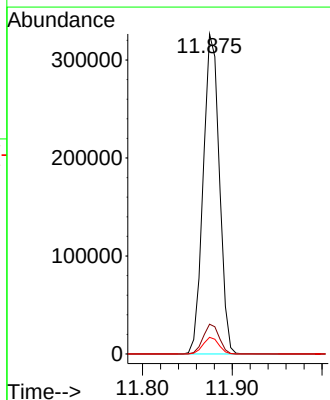
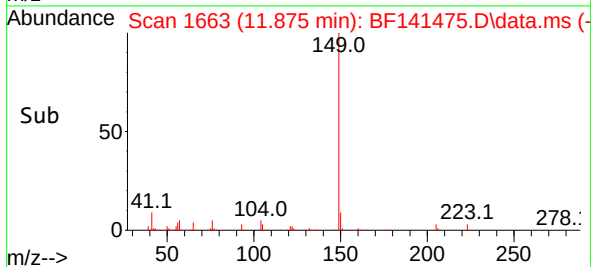
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

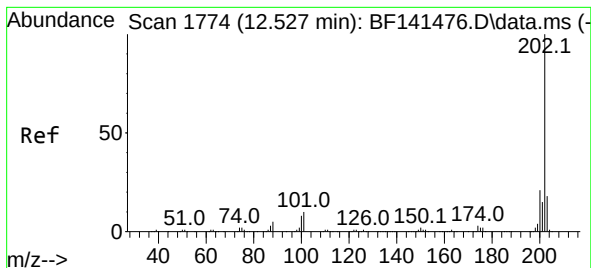


#74
 Di-n-butylphthalate
 Concen: 21.273 ng
 RT: 11.875 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF141475.D
 Acq: 06 Feb 2025 12:26



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# 11

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

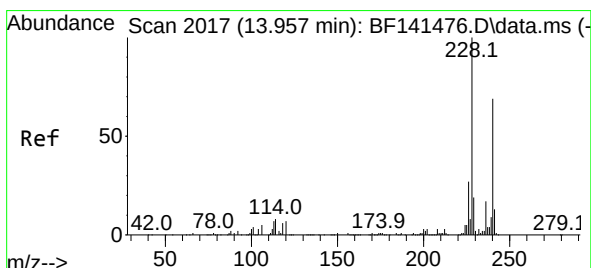
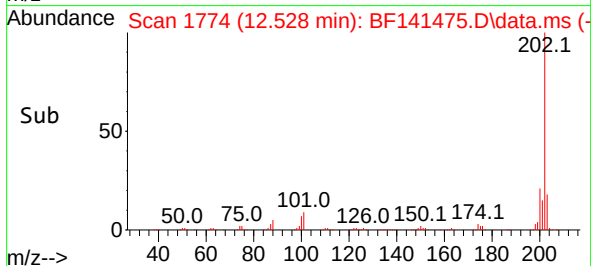
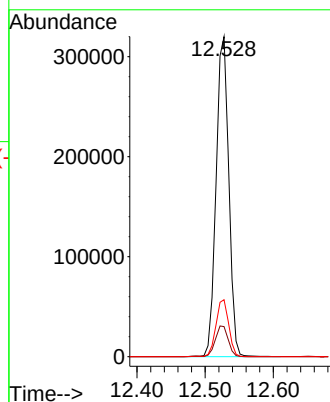
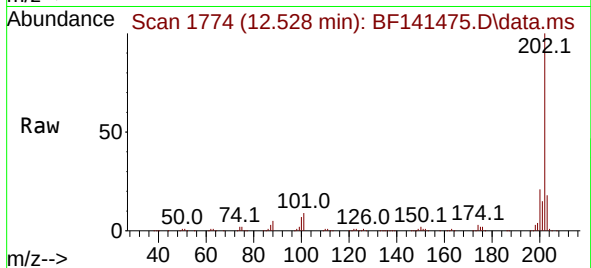
Tgt Ion:202 Resp: 41471

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.8	0.0	37.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

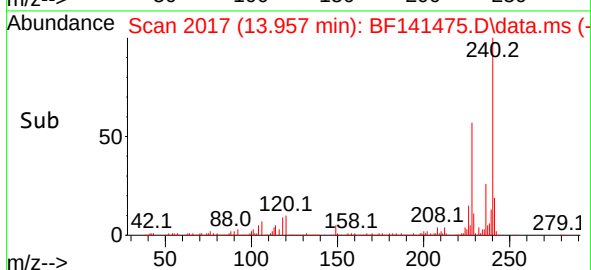
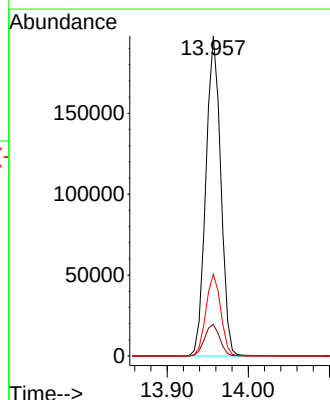
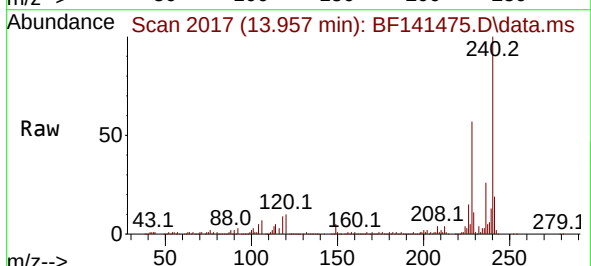
Delta R.T. -0.006 min

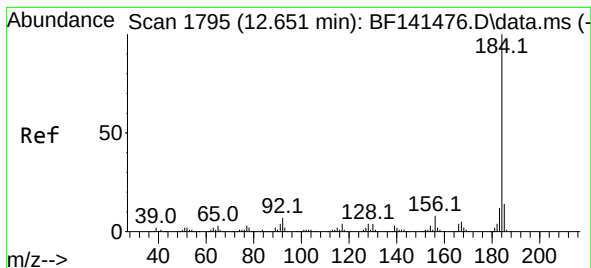
Lab File: BF141475.D

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 :

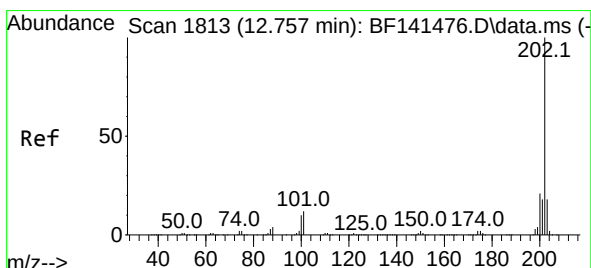
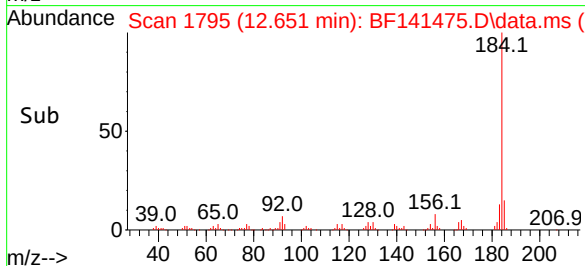
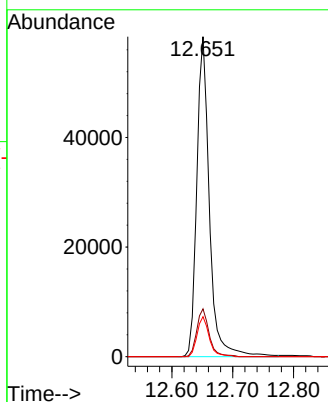
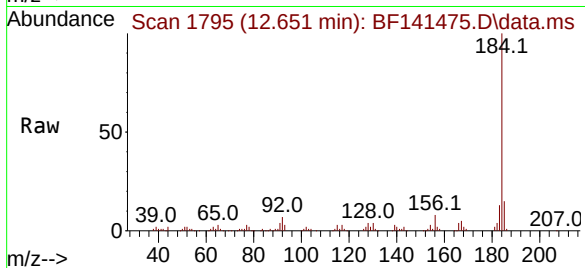
SSTDICC020

Tgt Ion:184	Resp:	8401
Ion Ratio	Lower	Upper
184	100	
185	14.9	11.3 16.9
183	12.5	9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#78

Pyrene

Concen: 20.169 ng

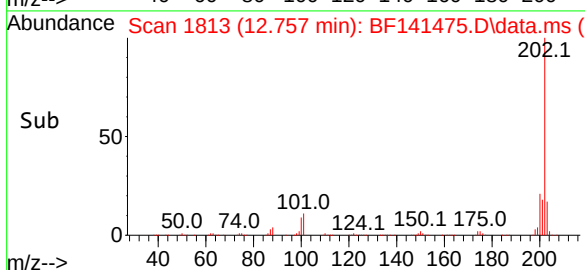
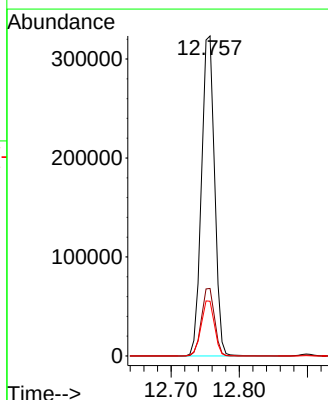
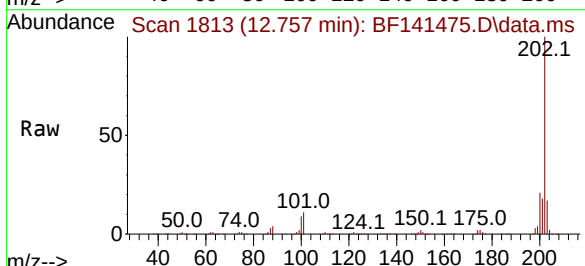
RT: 12.757 min Scan# 1813

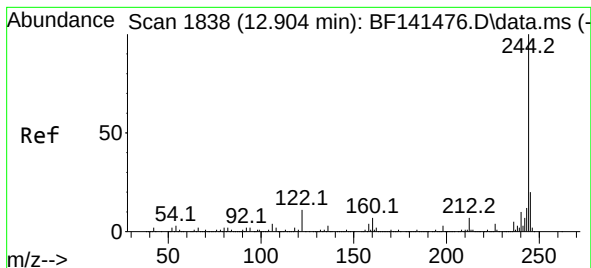
Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:202	Resp:	432216
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# 1837

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

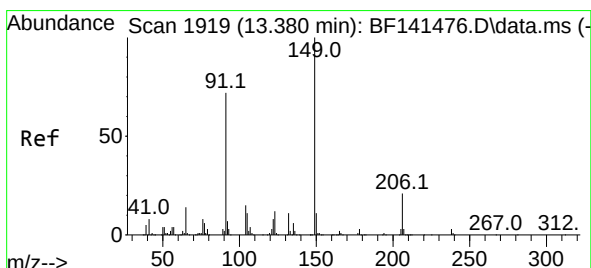
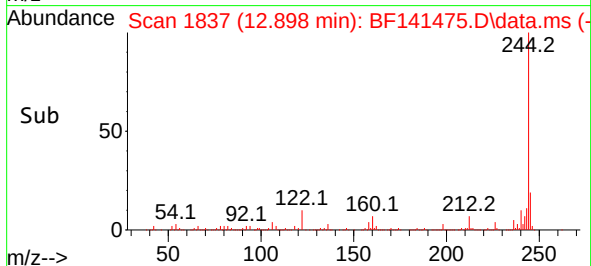
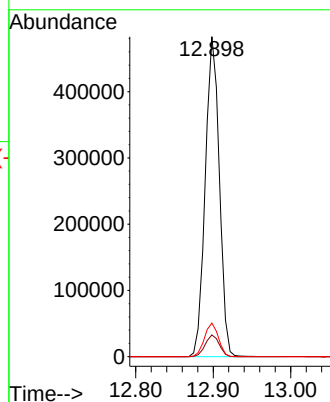
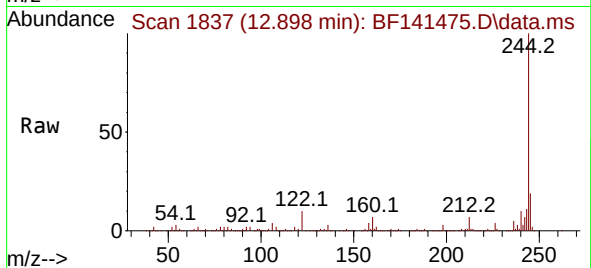
SSTDICC020

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#80

Butylbenzylphthalate

Concen: 20.502 ng

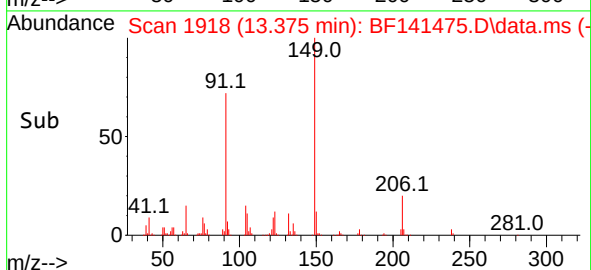
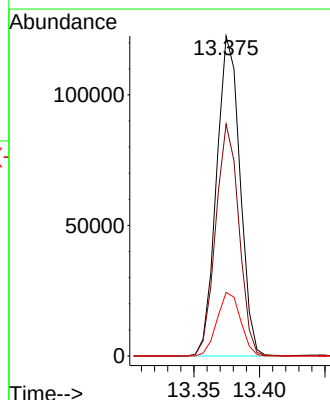
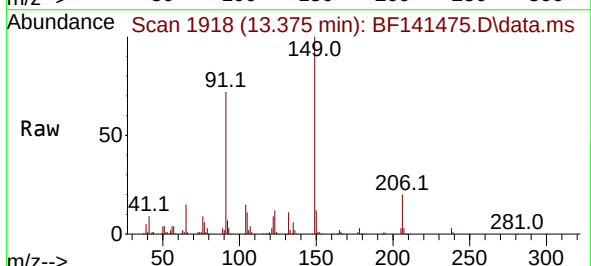
RT: 13.375 min Scan# 1918

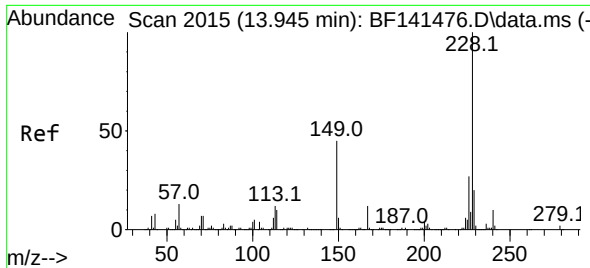
Delta R.T. -0.006 min

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





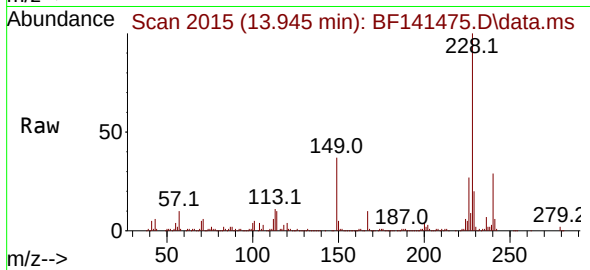
#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

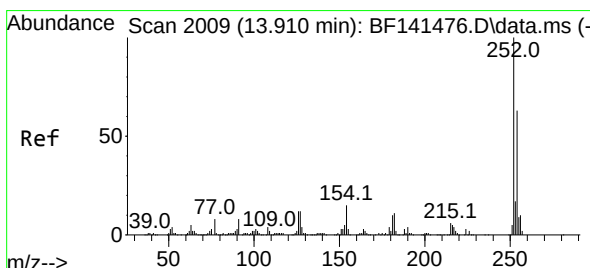
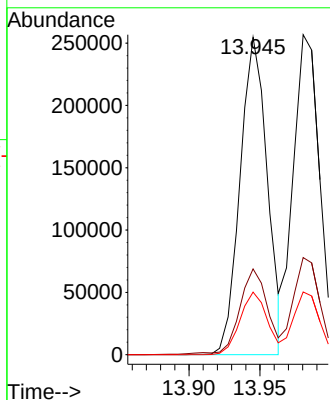
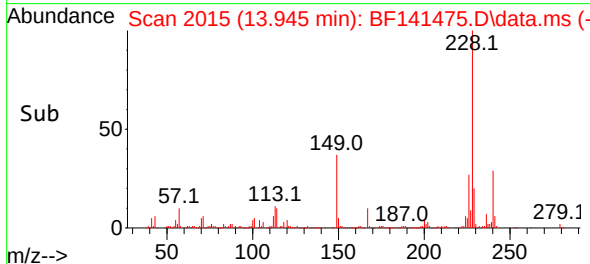
SSTDICC020



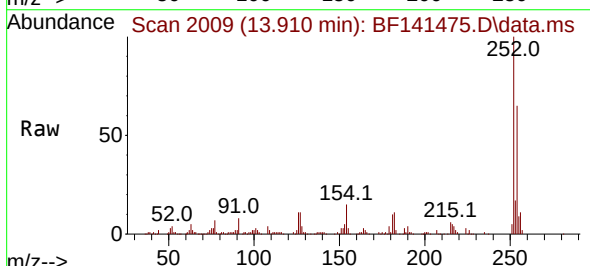
Tgt Ion:228 Resp: 33987
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.7 15.8 23.6

Manual Integrations
APPROVED

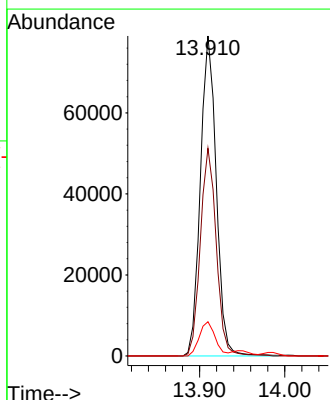
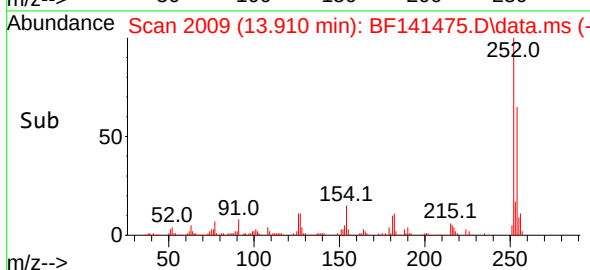
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

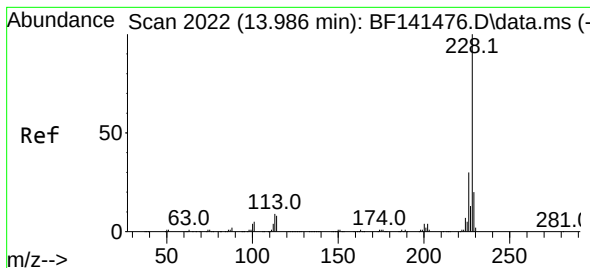


#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



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

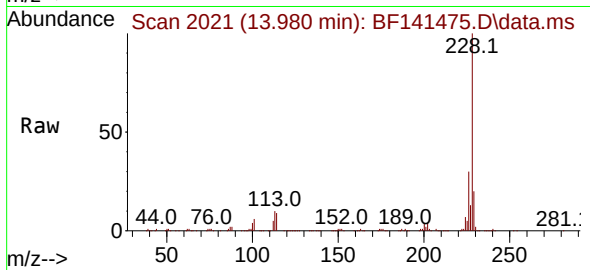
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:228 Resp: 33082

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

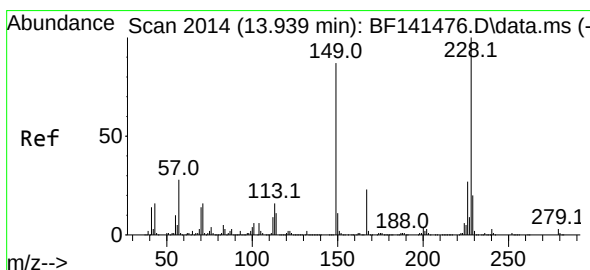
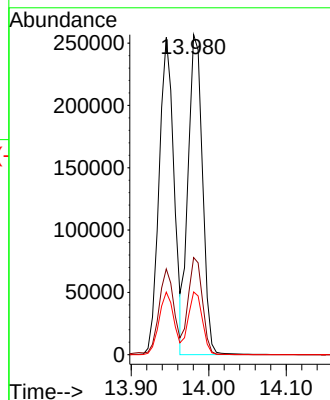
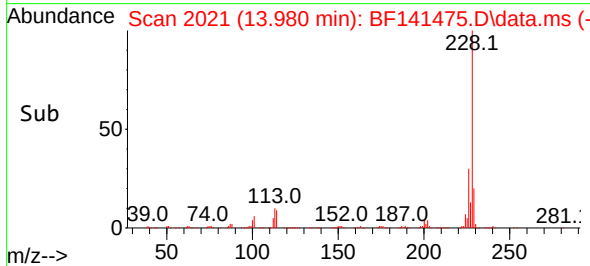
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#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

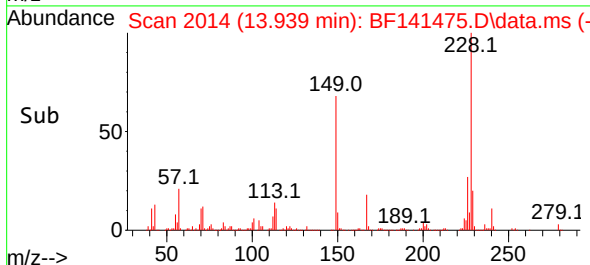
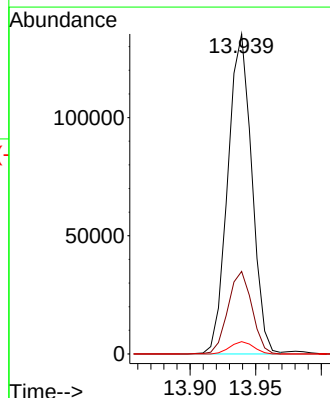
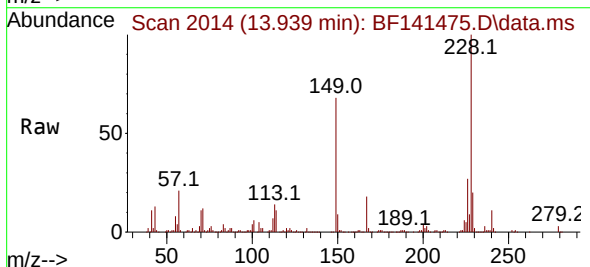
Tgt Ion:149 Resp: 172352

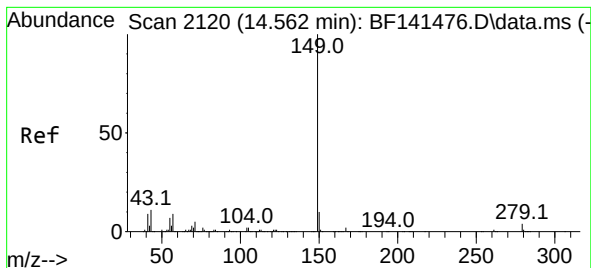
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

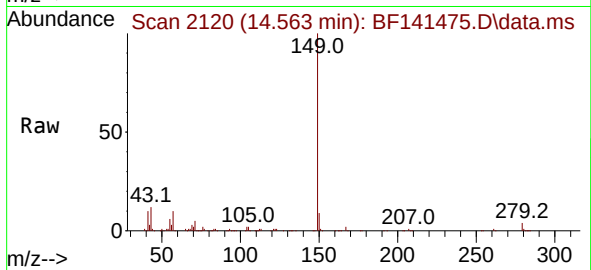
279 3.9 3.1 4.7





#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

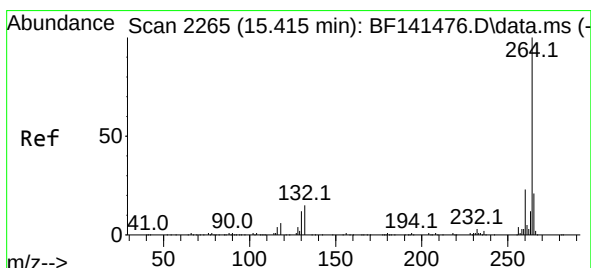
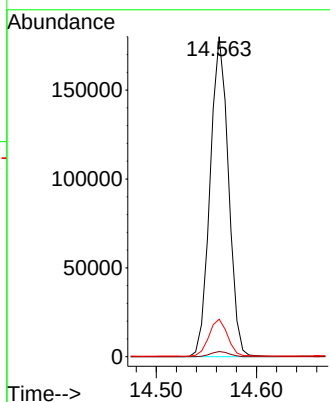
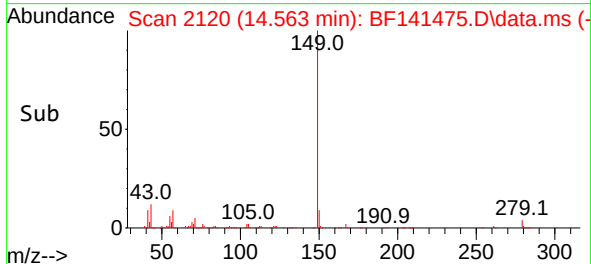
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



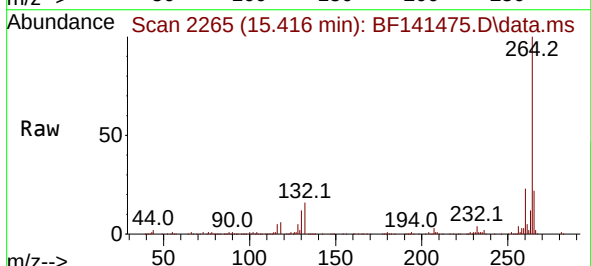
Tgt Ion:149 Resp: 229060
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.7 9.5 14.3

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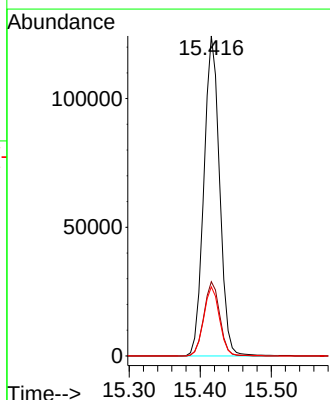
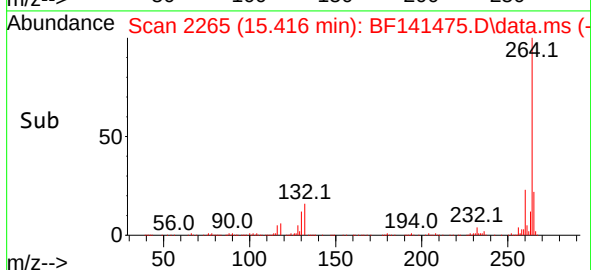
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

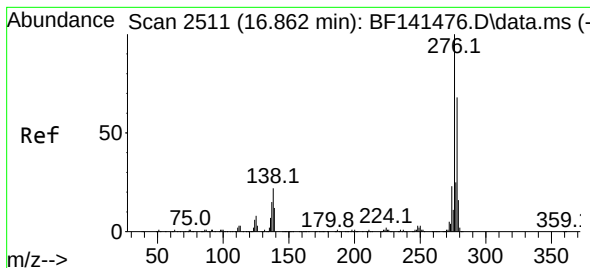


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26



Tgt Ion:264 Resp: 191435
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# 2110

Delta R.T. -0.017 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

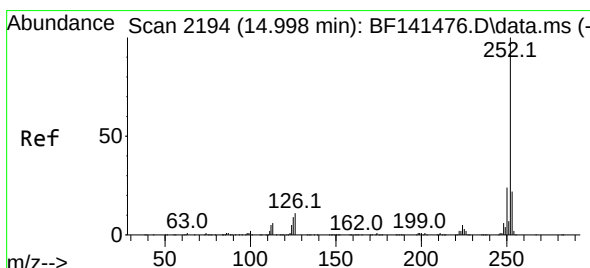
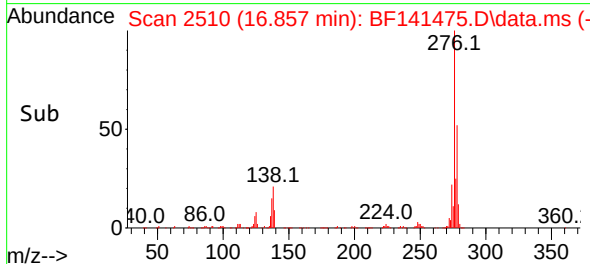
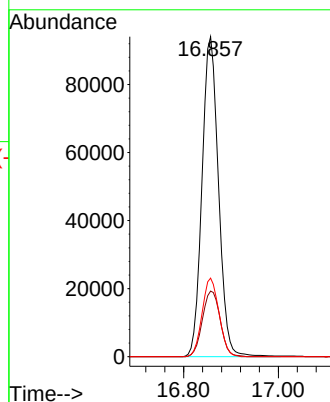
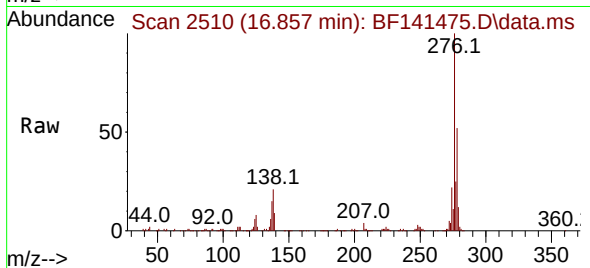
SSTDICC020

Tgt Ion:	276	Resp:	22710
Ion Ratio	Lower	Upper	
276	100		
138	22.1	18.0	27.0
277	25.1	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#88

Benzo(b)fluoranthene

Concen: 20.826 ng

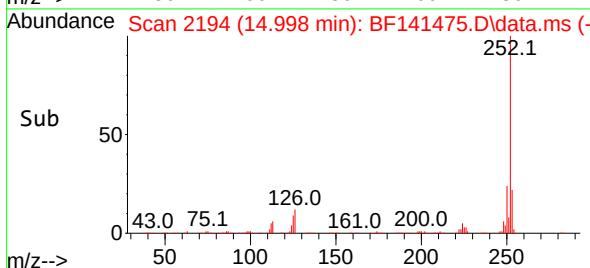
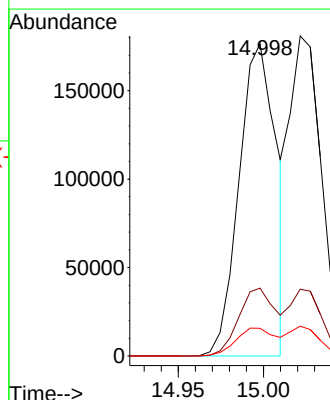
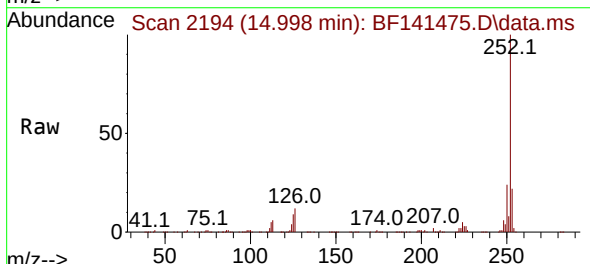
RT: 14.998 min Scan# 2194

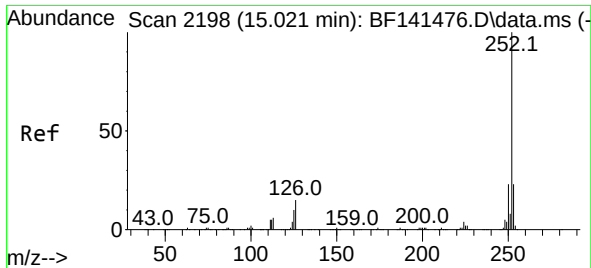
Delta R.T. -0.006 min

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





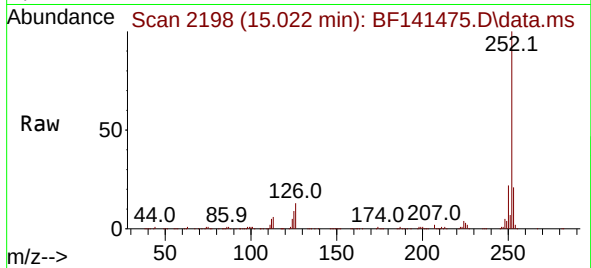
#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 2198
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

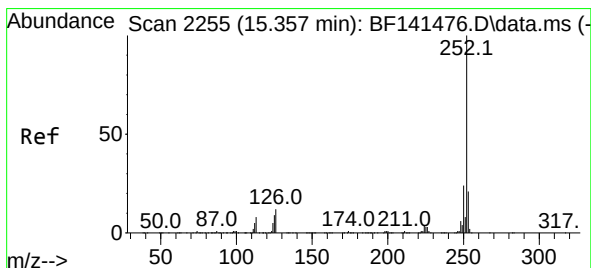
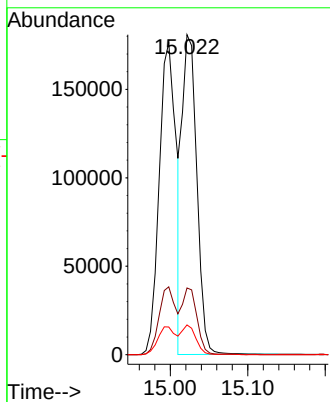
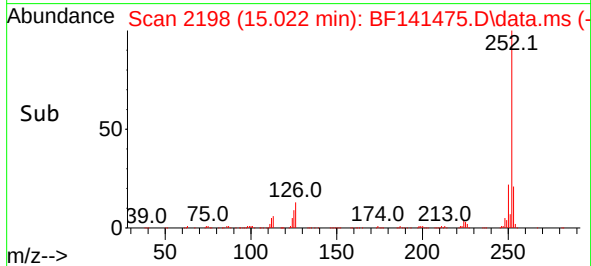


Tgt Ion:252 Resp: 23869
Ion Ratio Lower Upper
252 100
253 20.9 18.0 27.0
125 9.3 7.4 11.0

Manual Integrations

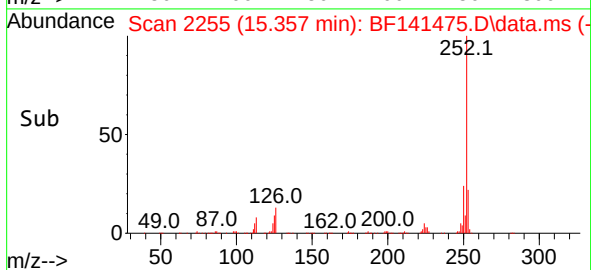
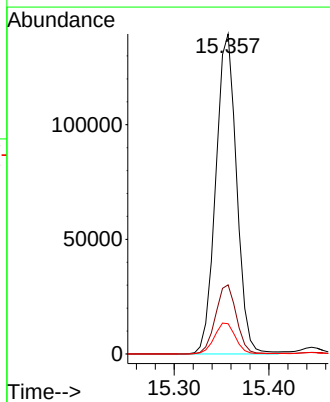
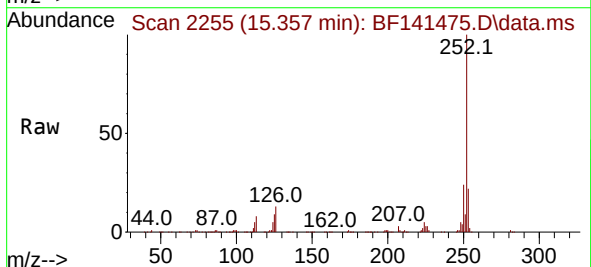
APPROVED

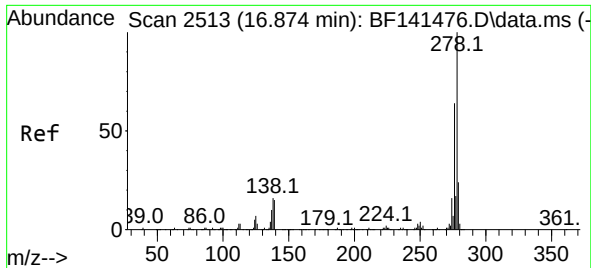
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

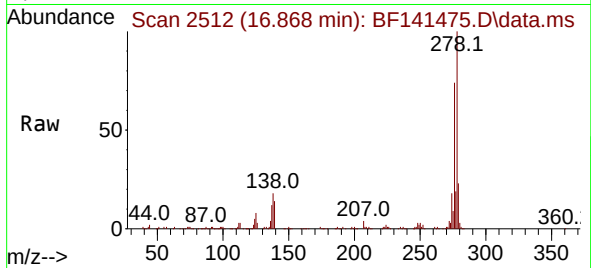
Tgt Ion:252 Resp: 213510
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 9.5 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

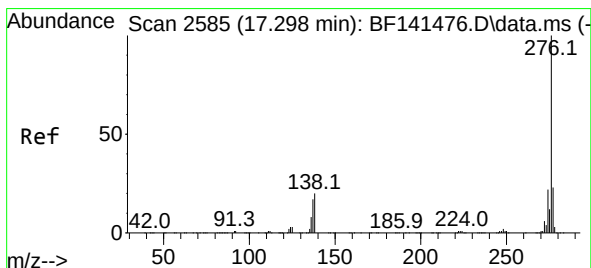
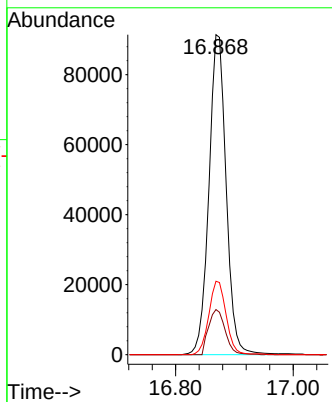
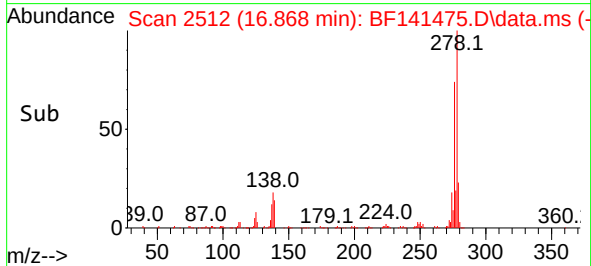
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

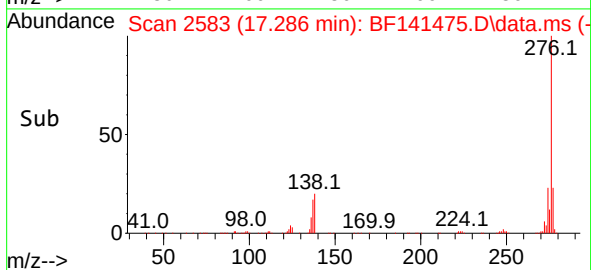
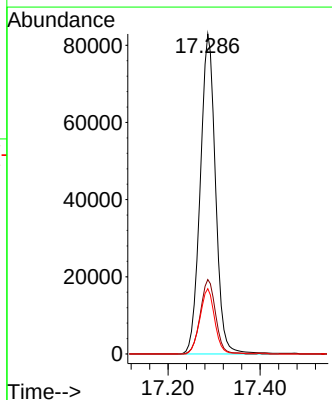
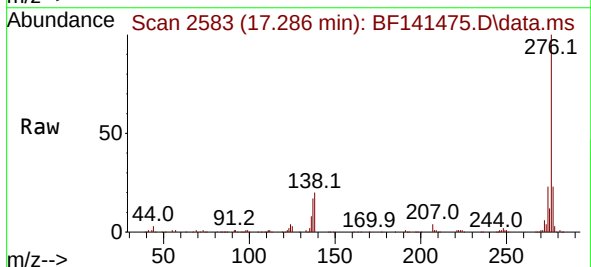
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

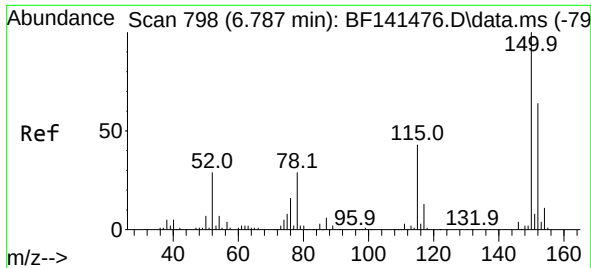
Quant Time: Feb 06 16:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

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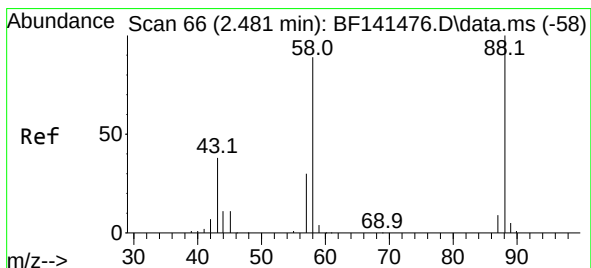
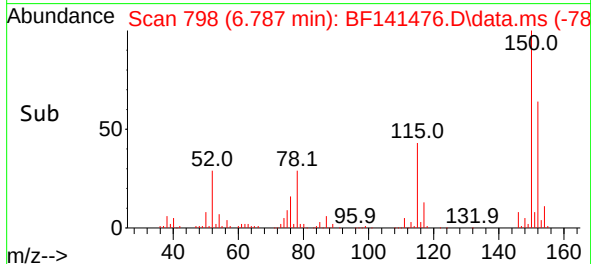
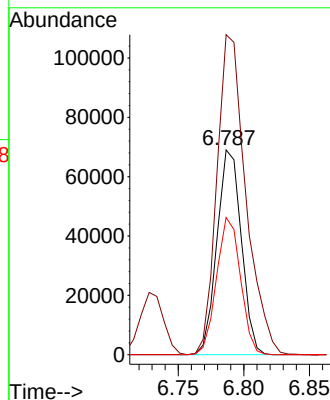
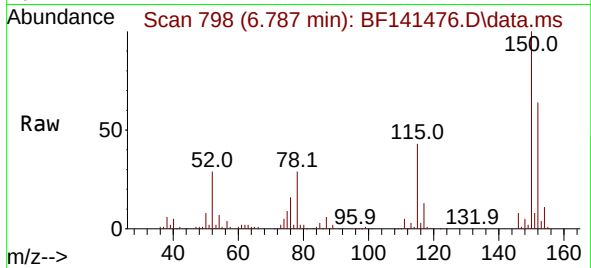
[illegible]



#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

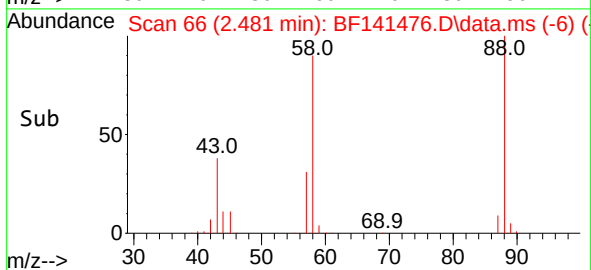
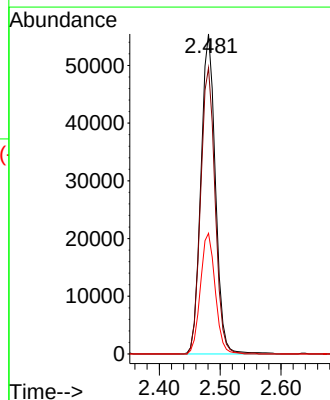
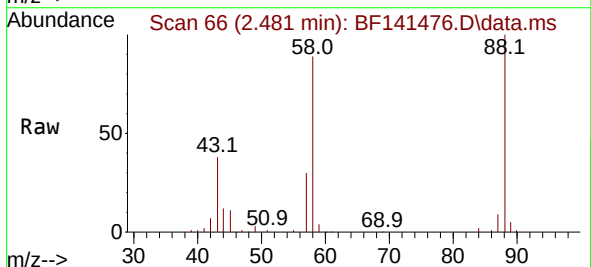
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

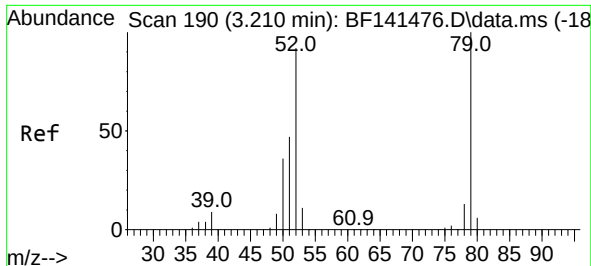
Tgt Ion:152 Resp: 89095
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 67.0 53.6 80.4



#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

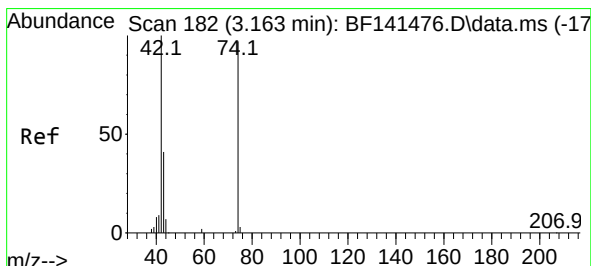
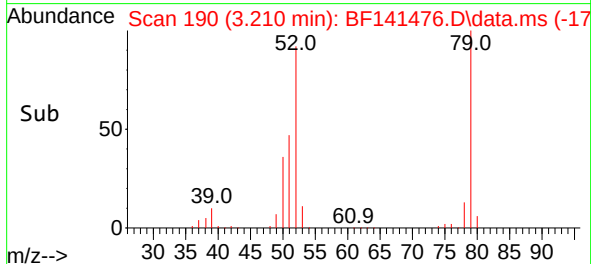
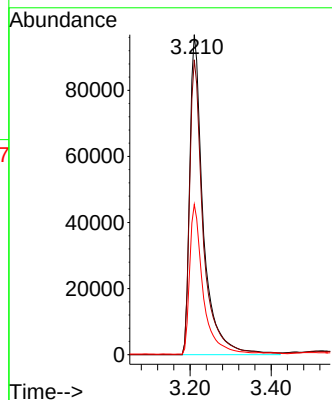
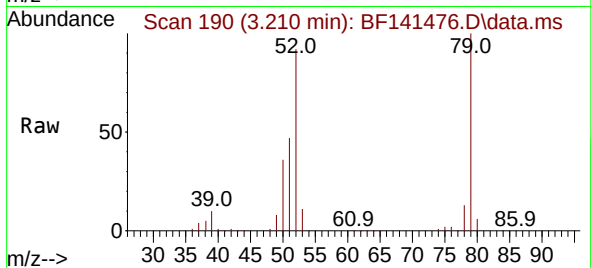
Tgt Ion: 79 Resp: 225032

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

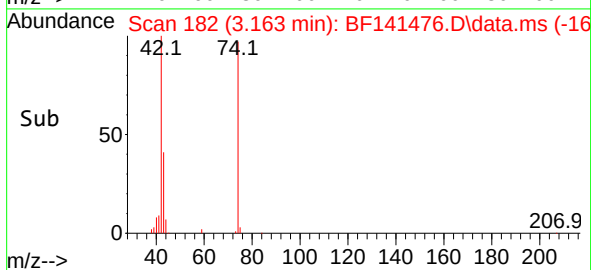
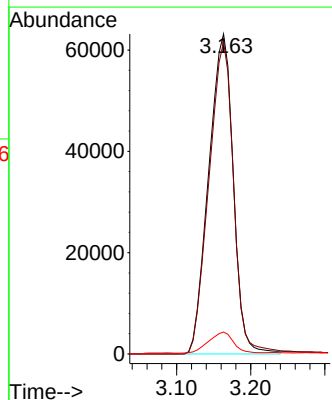
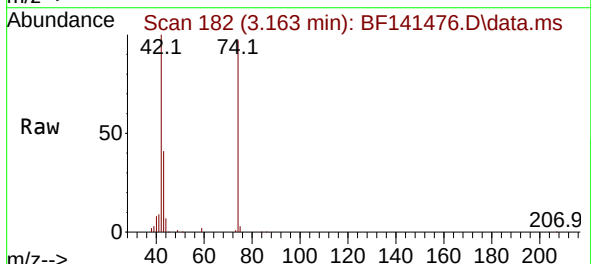
Tgt Ion: 42 Resp: 145802

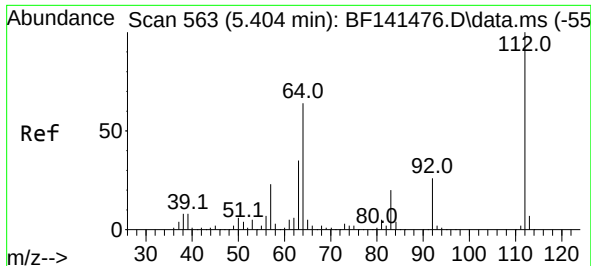
Ion Ratio Lower Upper

42 100

74 97.5 78.0 117.0

44 6.8 5.4 8.2

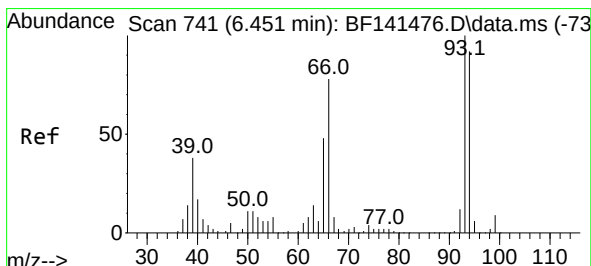
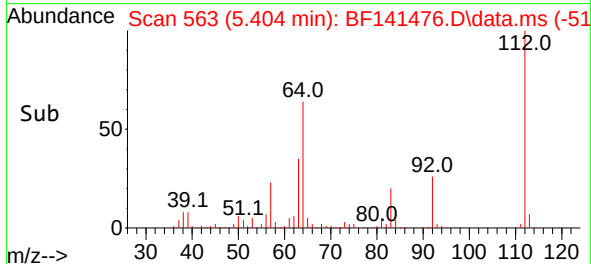
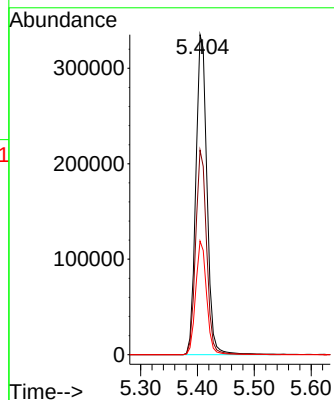
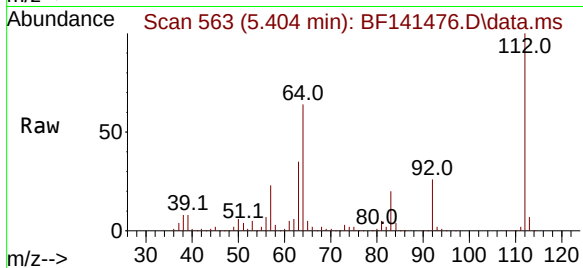




#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

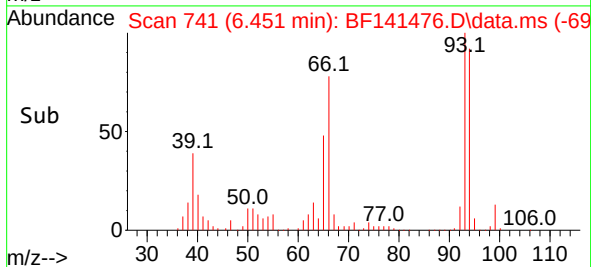
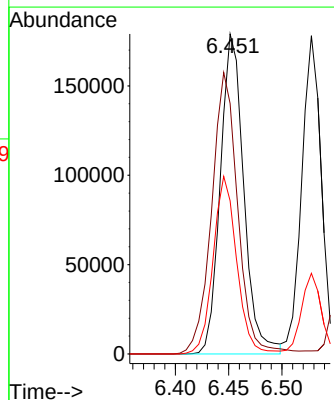
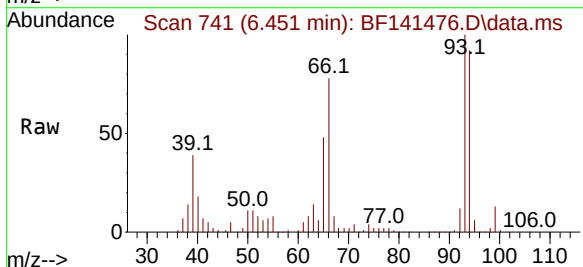
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

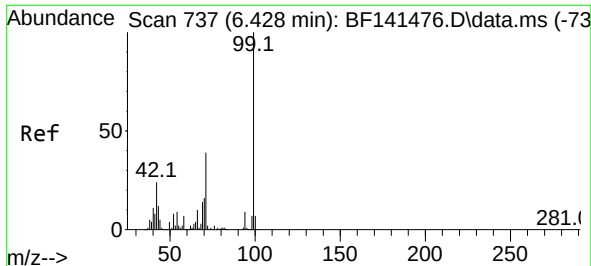
Tgt Ion:112 Resp: 459422
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 35.5 28.4 42.6



#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

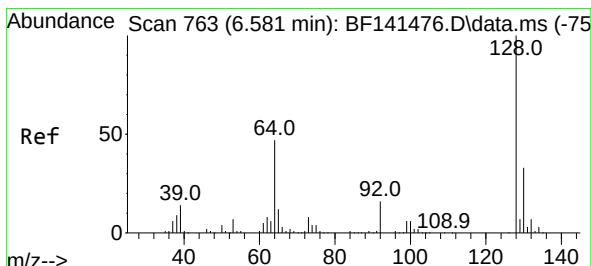
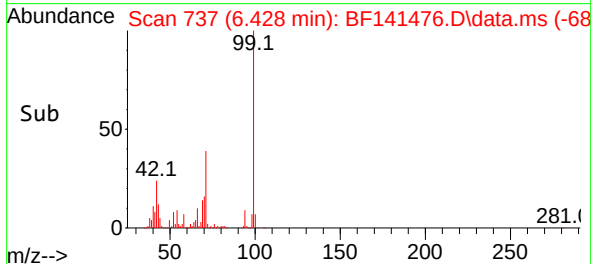
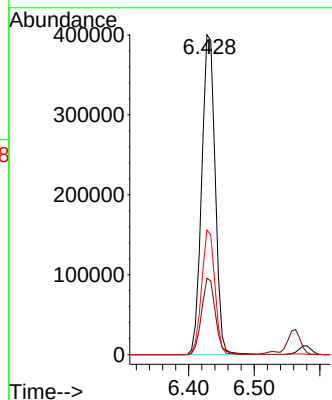
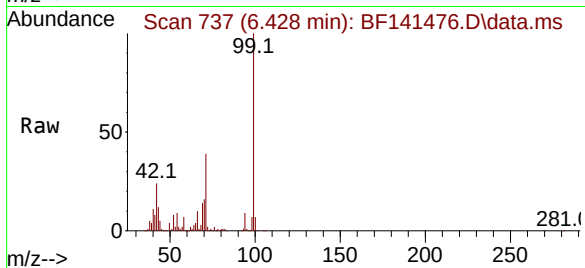




#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

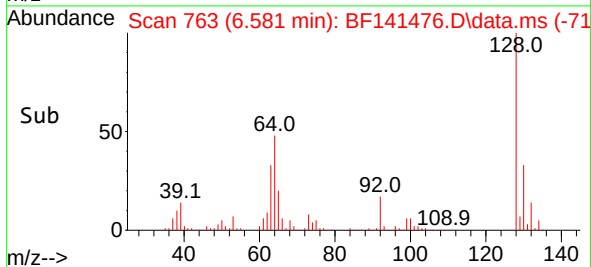
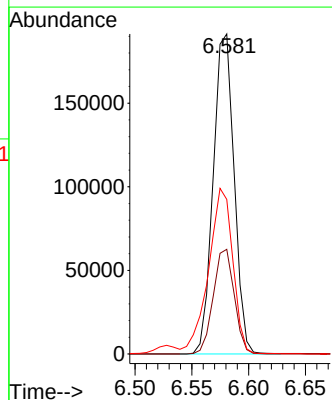
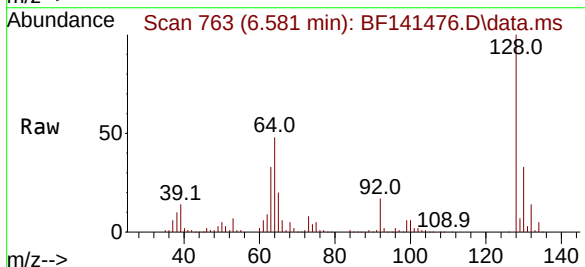
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

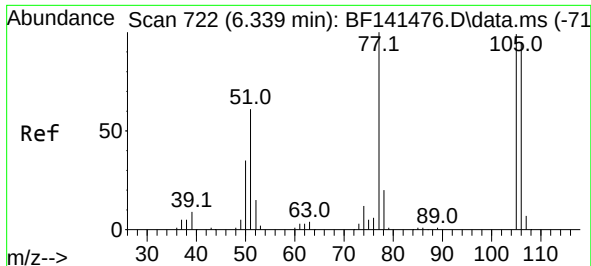
Tgt Ion: 99 Resp: 574808
Ion Ratio Lower Upper
99 100
42 23.9 19.1 28.7
71 38.9 31.1 46.7



#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

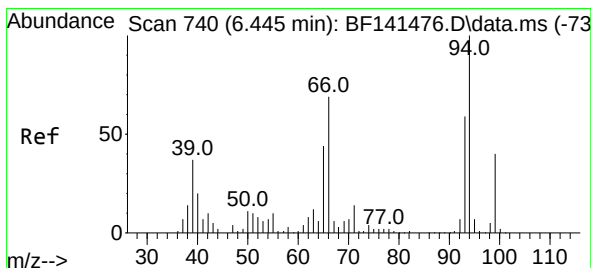
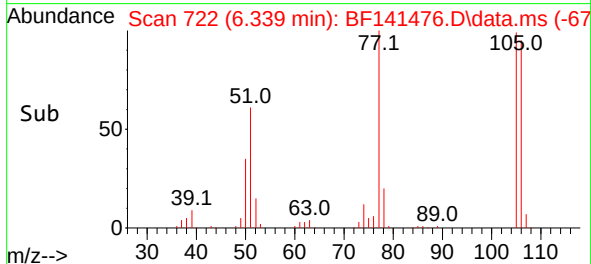
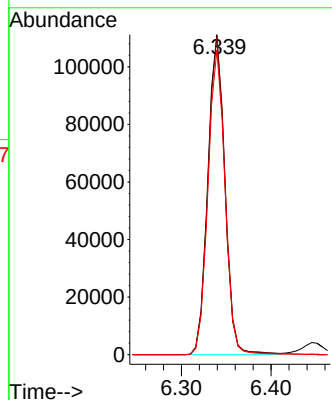
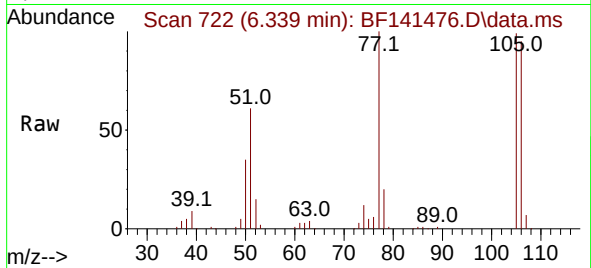




#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

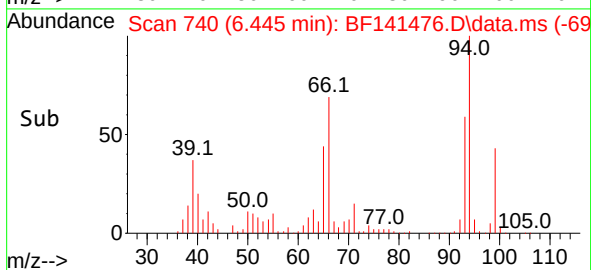
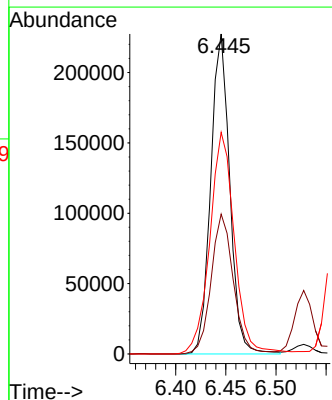
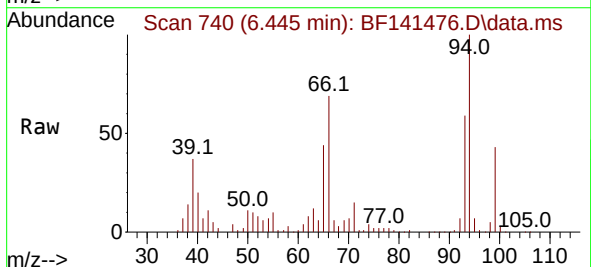
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

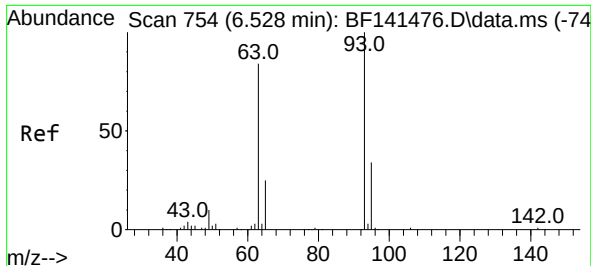
Tgt Ion: 77 Resp: 146382
Ion Ratio Lower Upper
77 100
105 99.4 79.4 119.4
106 95.1 75.1 115.1



#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

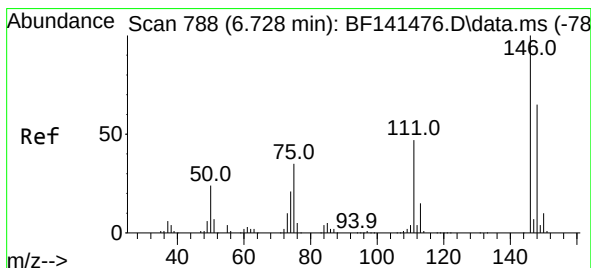
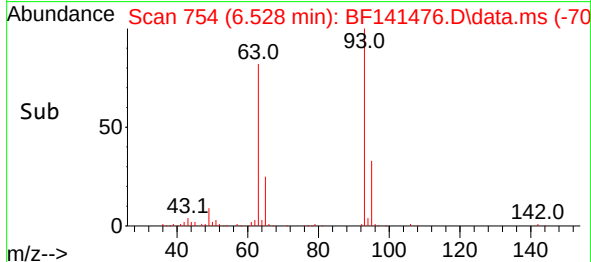
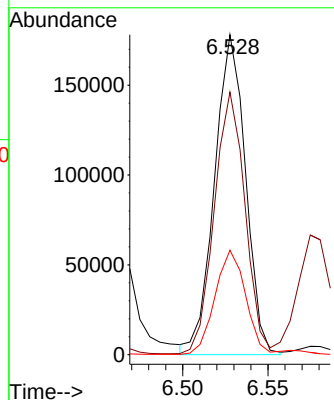
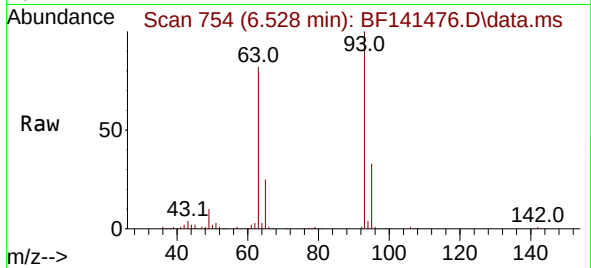




#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

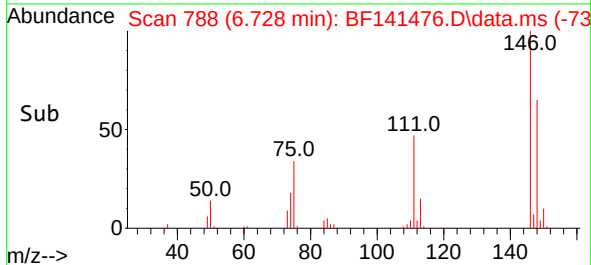
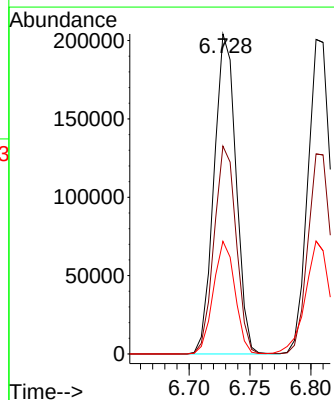
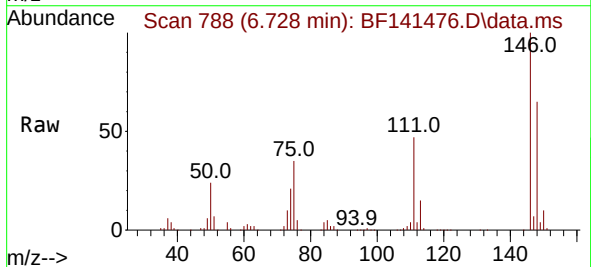
Instrument :
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ClientSampleId :
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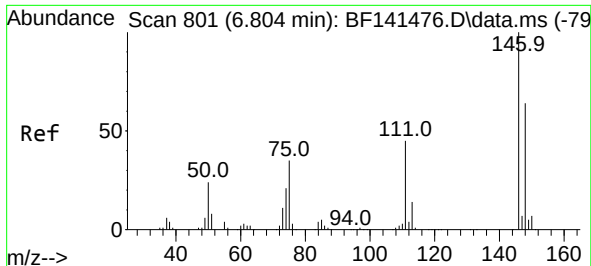
Tgt Ion: 93 Resp: 225665
Ion Ratio Lower Upper
93 100
63 82.0 62.0 102.0
95 32.6 12.6 52.6



#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

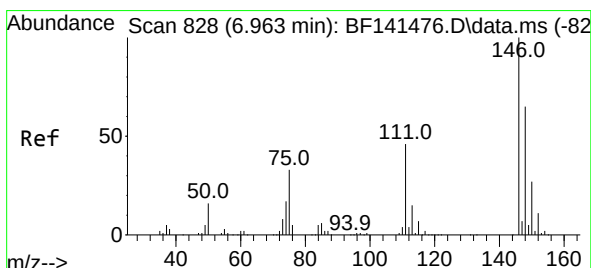
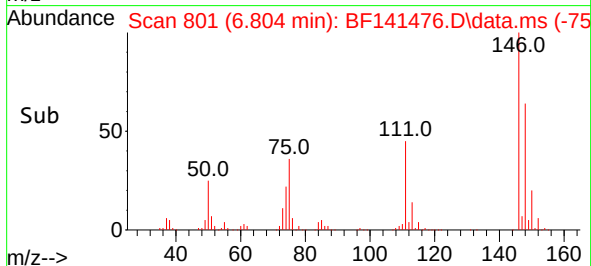
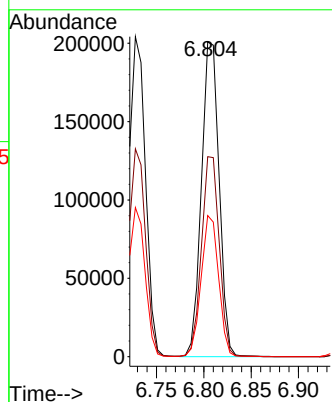
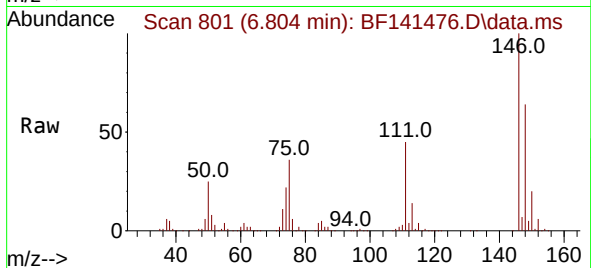




#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

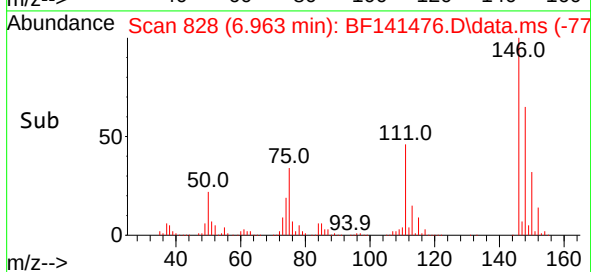
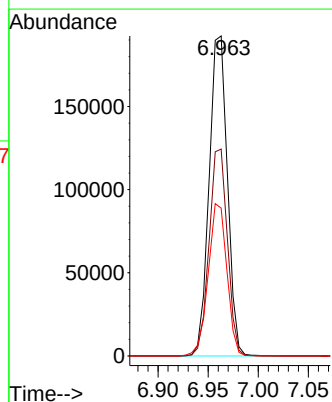
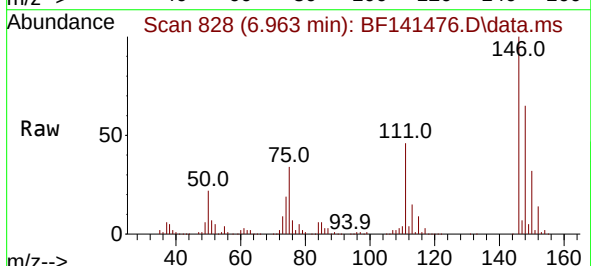
Instrument :
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ClientSampleId :
SSTDICCC040

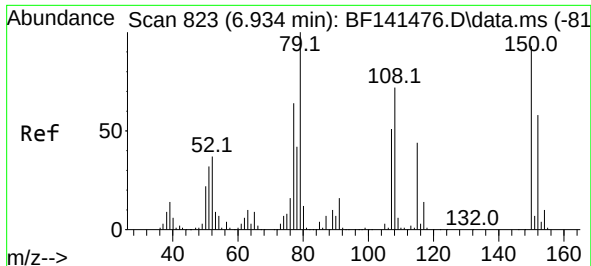
Tgt Ion:146 Resp: 262121
Ion Ratio Lower Upper
146 100
148 63.6 50.9 76.3
111 44.9 35.9 53.9



#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

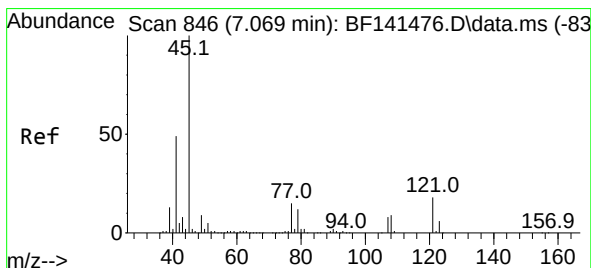
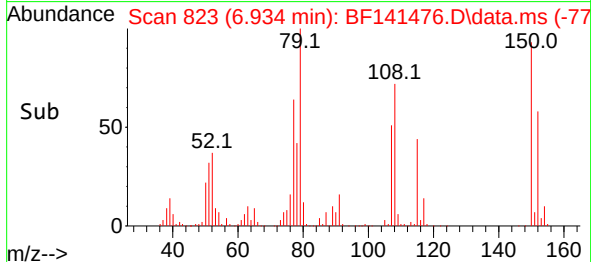
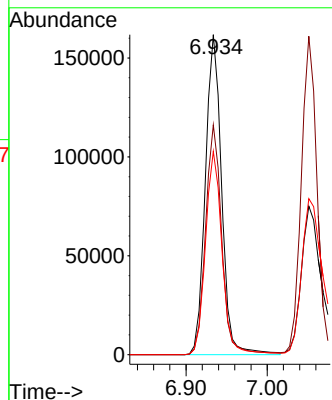
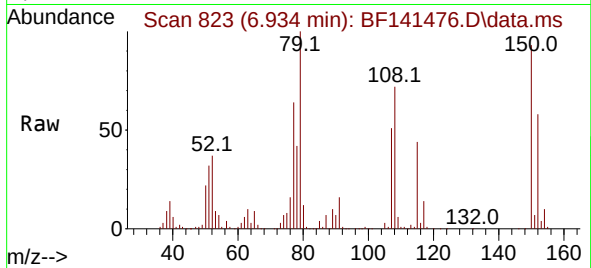




#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

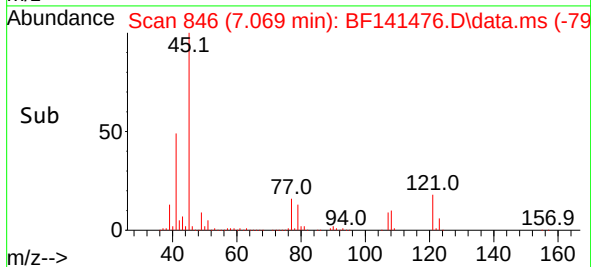
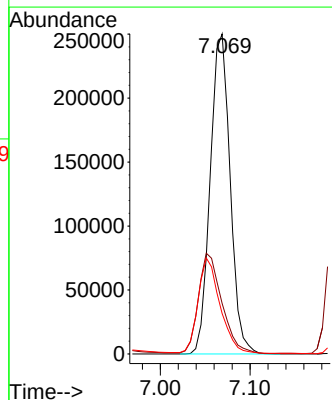
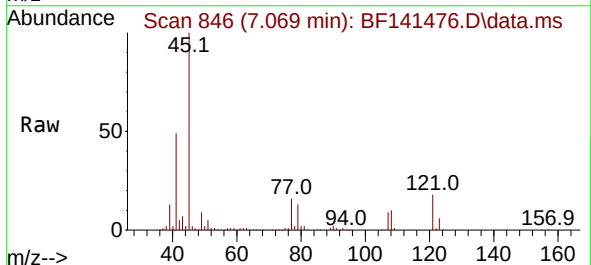
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ClientSampleId :
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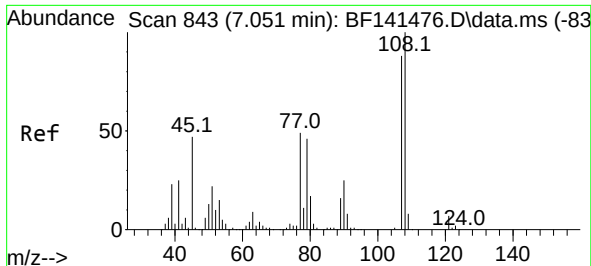
Tgt Ion: 79 Resp: 224961
Ion Ratio Lower Upper
79 100
108 71.8 57.4 86.2
77 63.6 50.9 76.3



#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

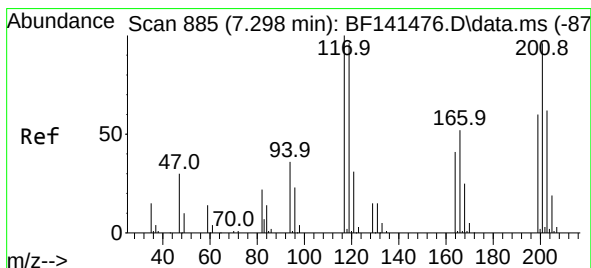
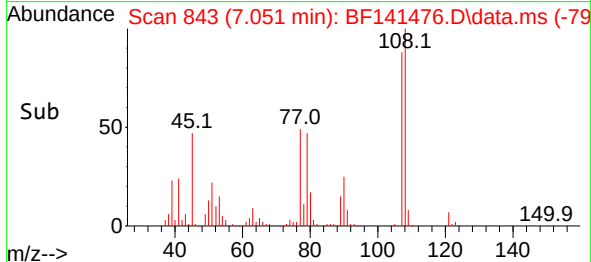
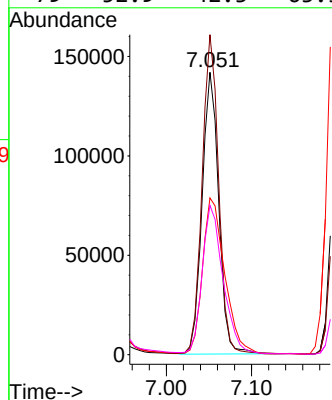
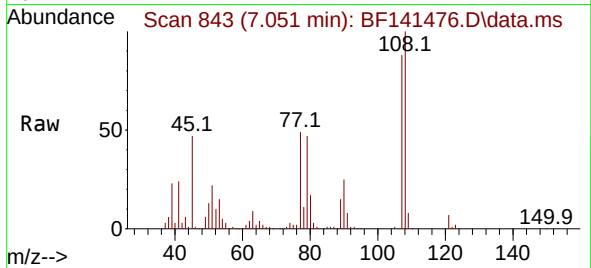




#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

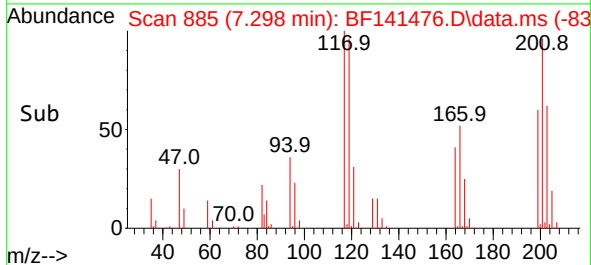
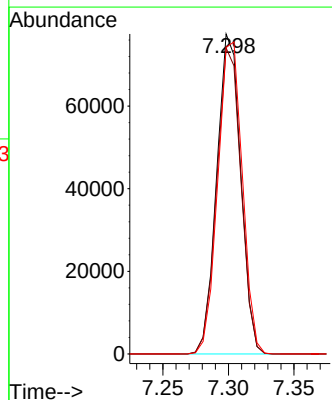
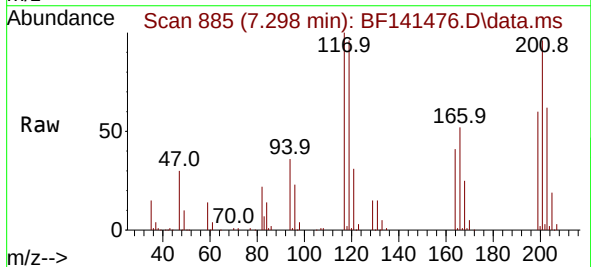
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

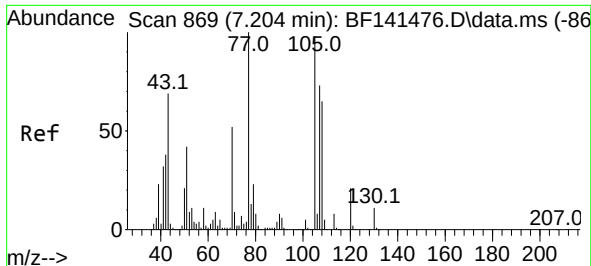
Tgt Ion:	107	Resp:	191970
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.5	44.4	66.6
79	52.9	42.3	63.5



#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



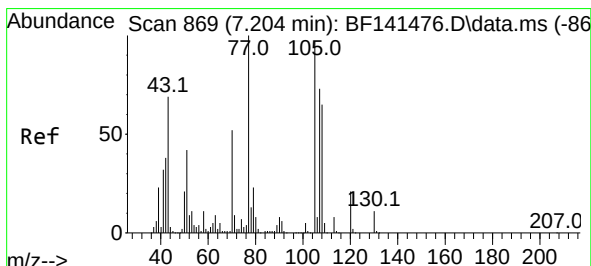
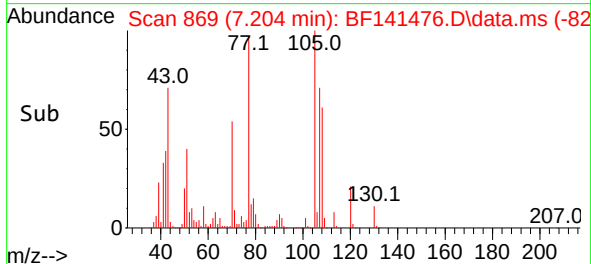
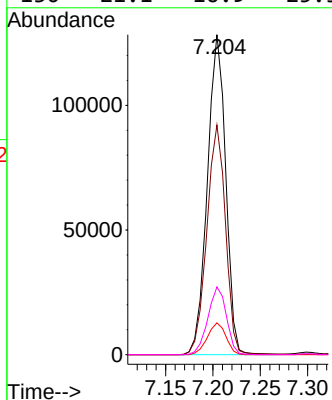
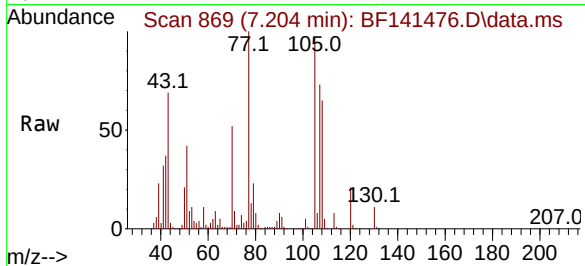


#19
n-Nitroso-di-n-propylamine
Concen: 40.198 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 172712

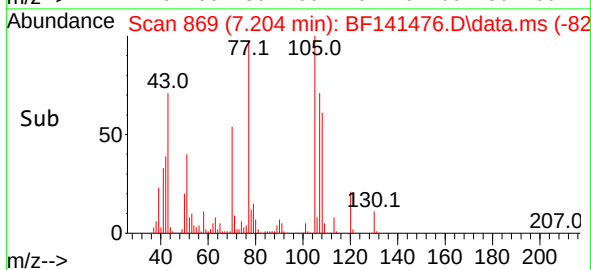
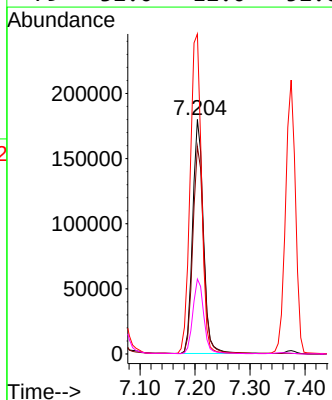
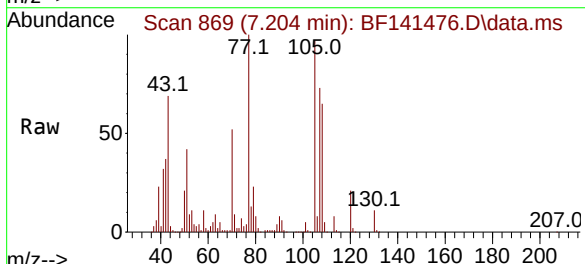
Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	10.0	8.0	12.0
130	21.1	16.9	25.3

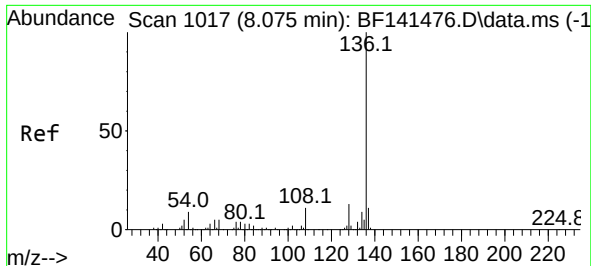


#20
3+4-Methylphenols
Concen: 40.024 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

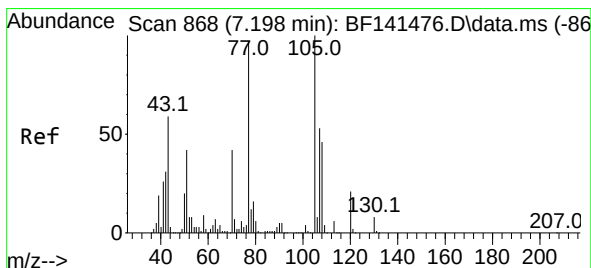
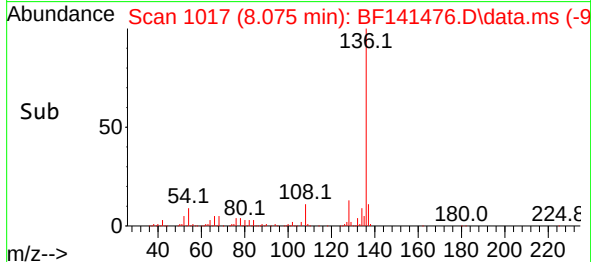
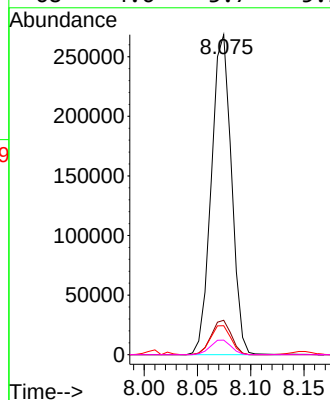
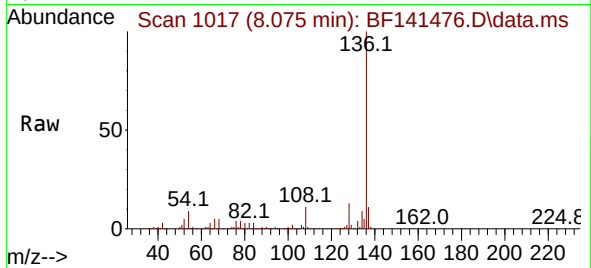




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

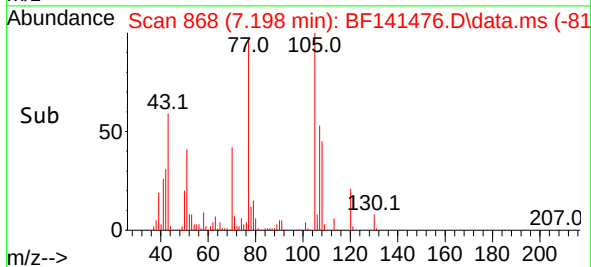
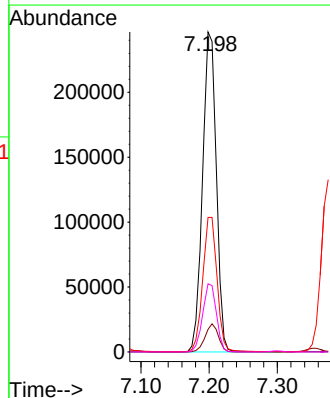
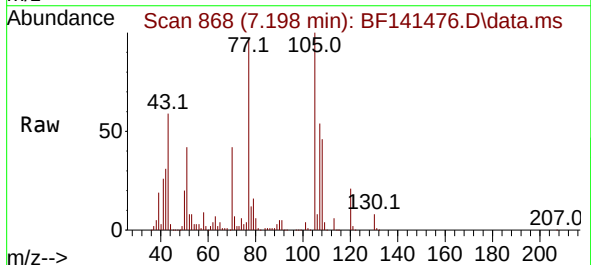
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

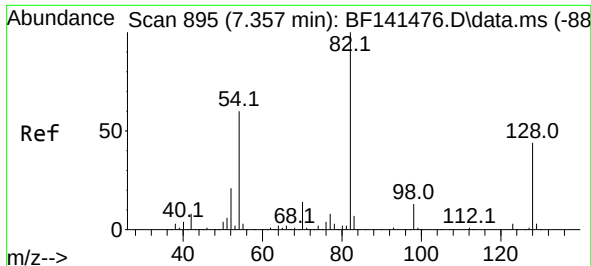
Tgt Ion:	136	Resp:	351555
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.0	7.2	10.8
68	4.6	3.7	5.5



#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

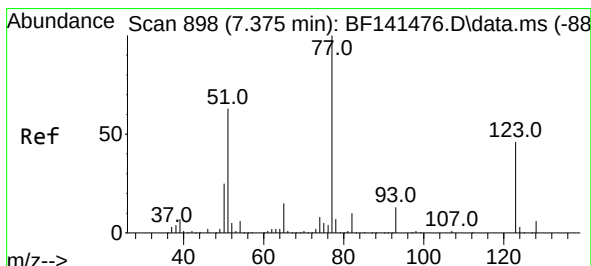
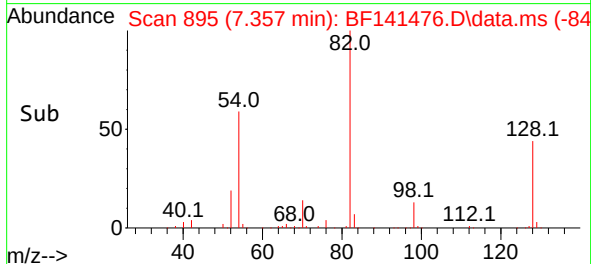
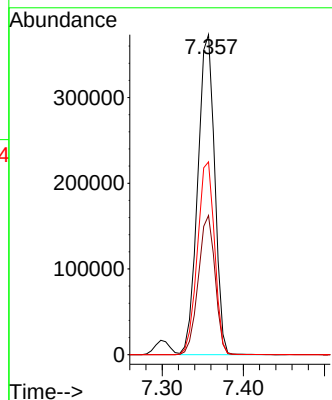
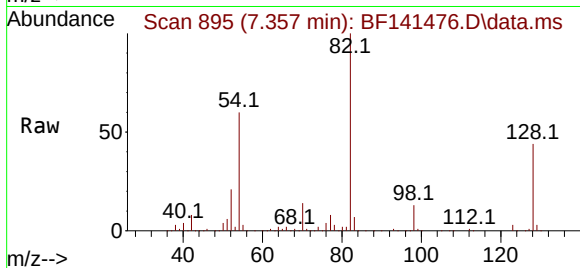
Tgt Ion: 82 Resp: 540793

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

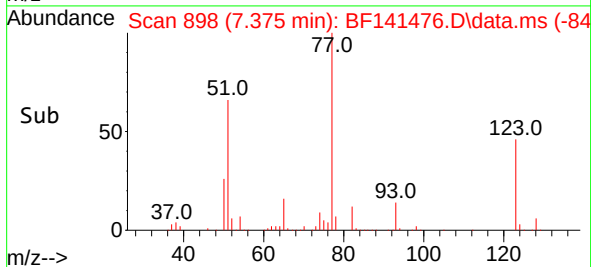
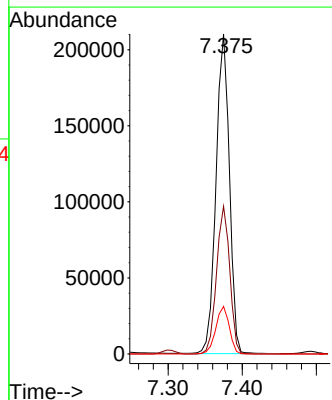
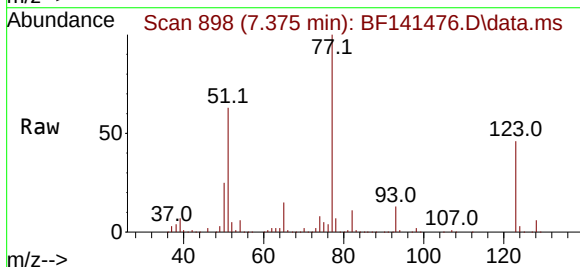
Tgt Ion: 77 Resp: 263188

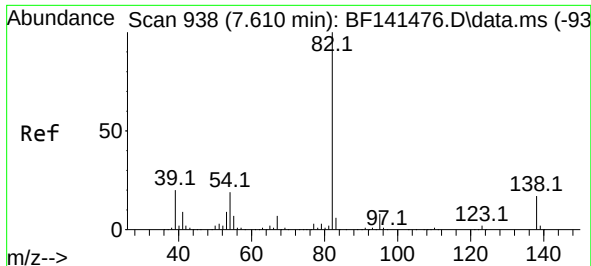
Ion Ratio Lower Upper

77 100

123 46.1 36.9 55.3

65 14.9 11.9 17.9

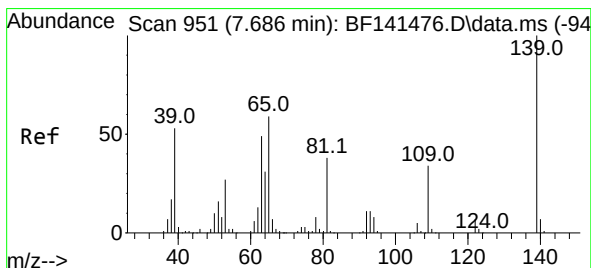
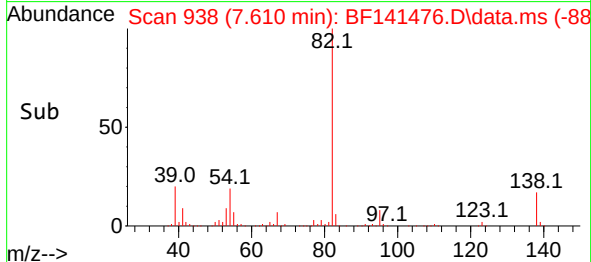
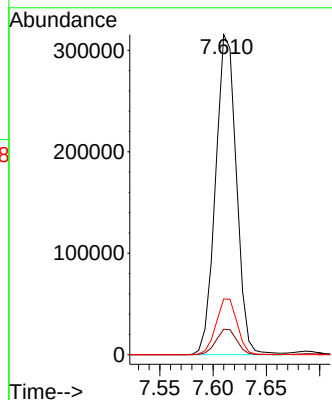
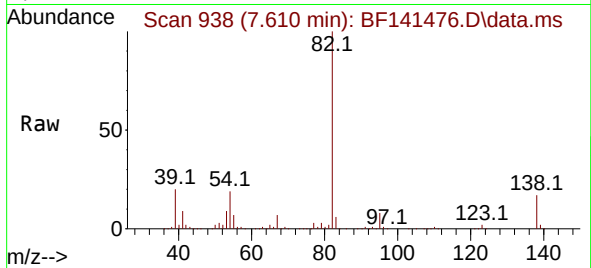




#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

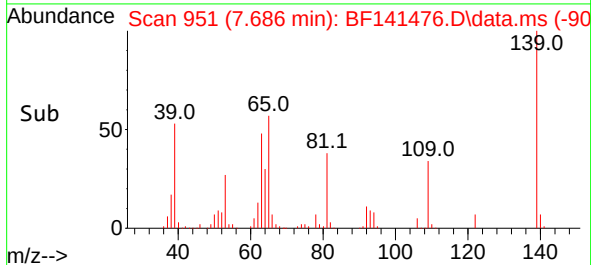
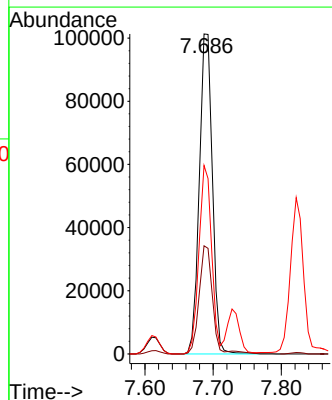
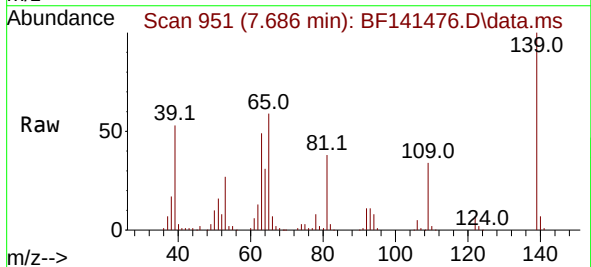
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

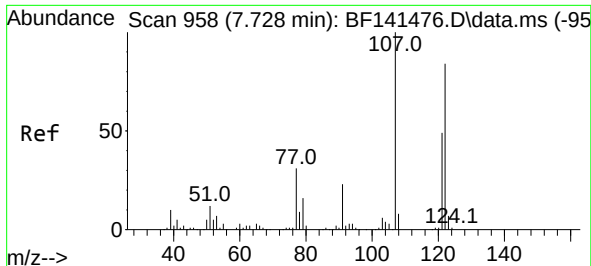
Tgt Ion: 82 Resp: 429323
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 17.4 13.9 20.9



#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

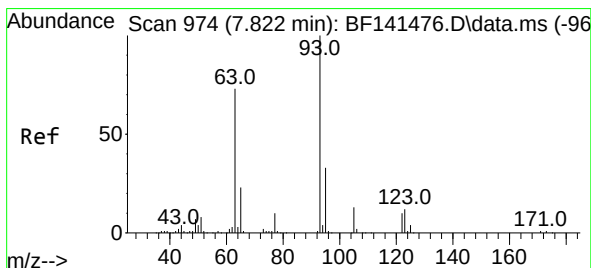
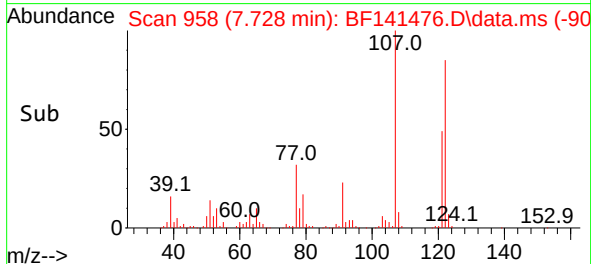
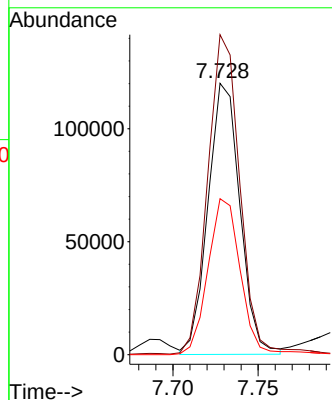
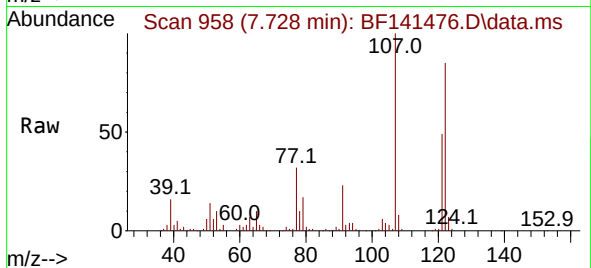
Tgt Ion:122 Resp: 156665

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

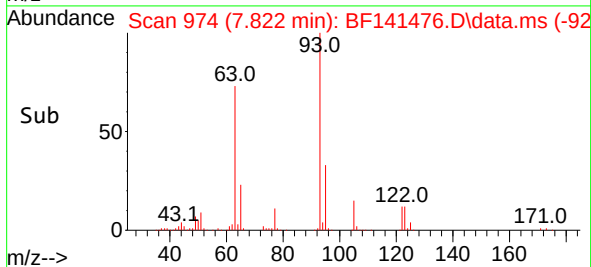
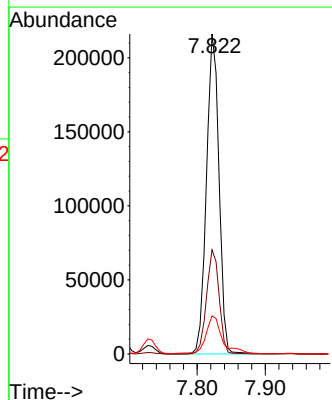
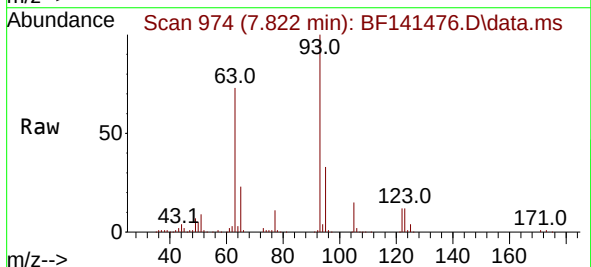
Tgt Ion: 93 Resp: 276730

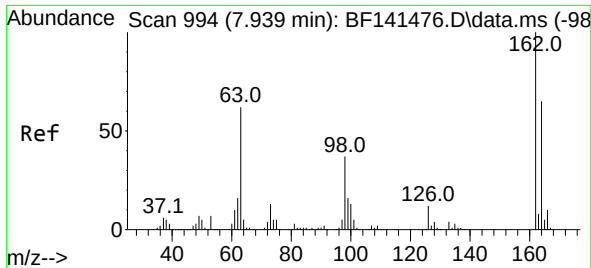
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.9 9.5 14.3

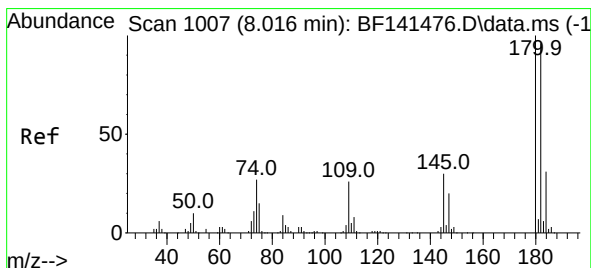
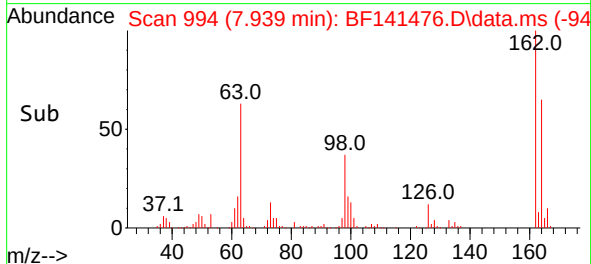
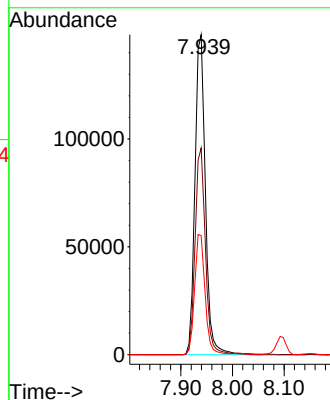
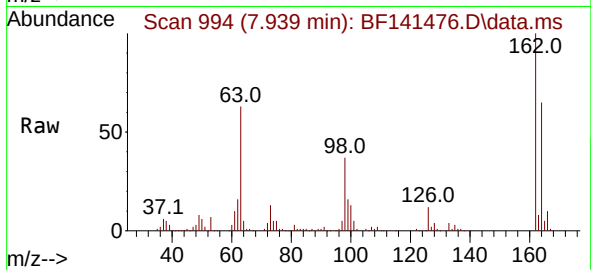




#29
2,4-Dichlorophenol
Concen: 40.375 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

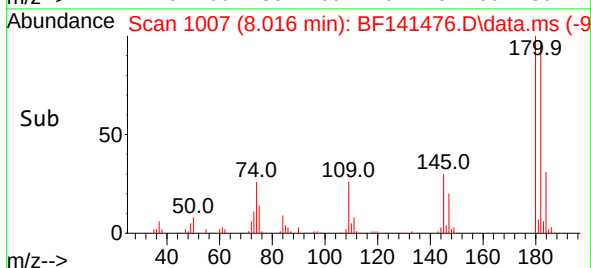
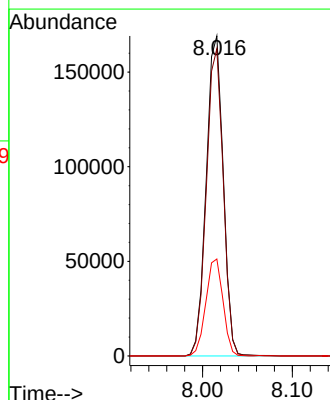
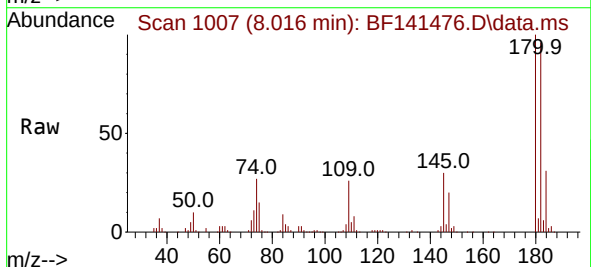
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

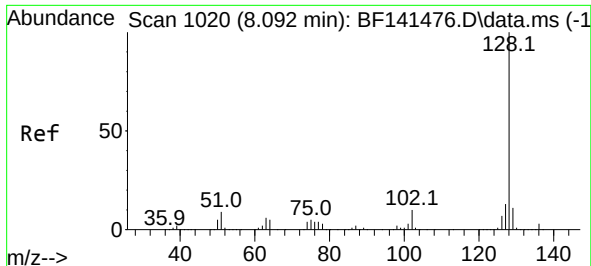
Tgt Ion:162	Resp: 208390
Ion Ratio	Lower Upper
162 100	
164 64.6	44.6 84.6
98 37.2	17.2 57.2



#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

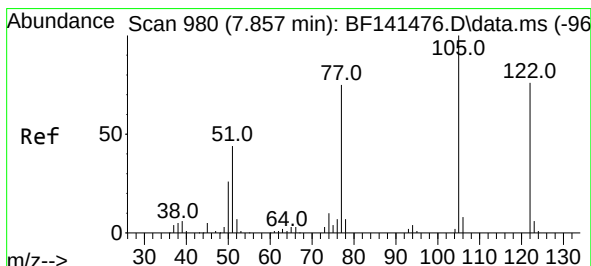
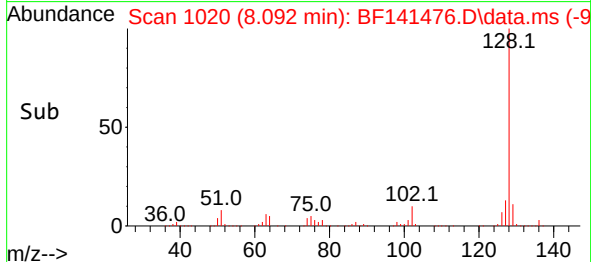
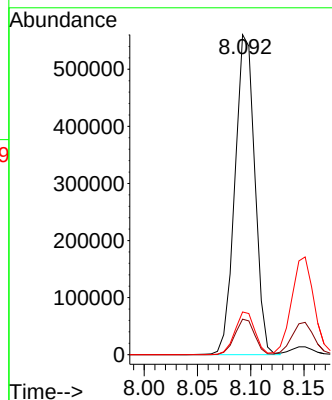
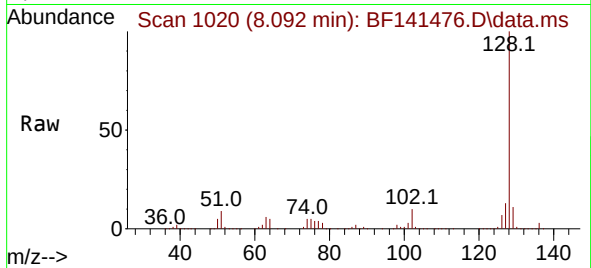




#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

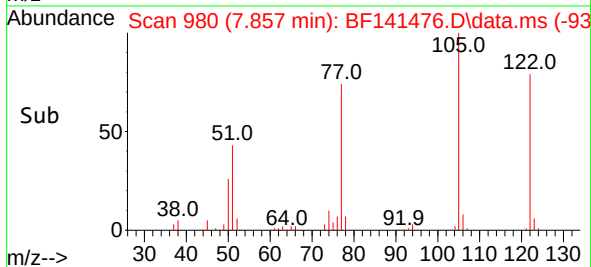
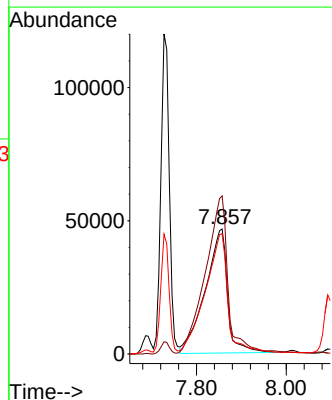
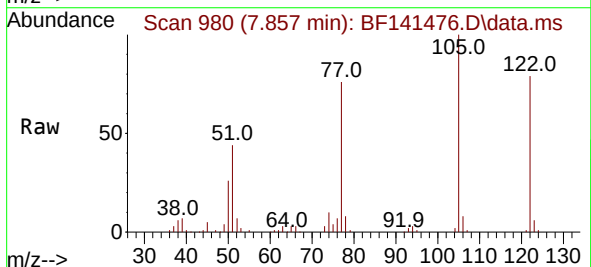
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

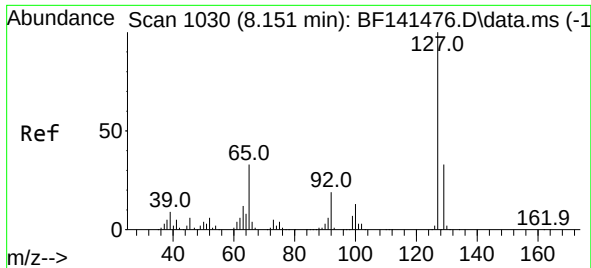
Tgt Ion:128 Resp: 729358
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#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

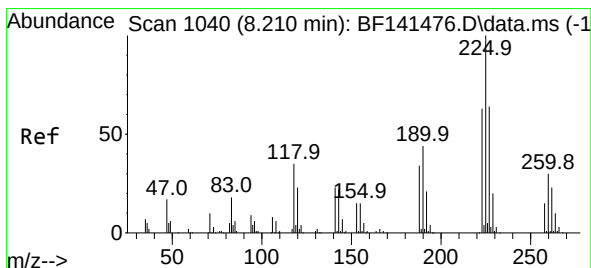
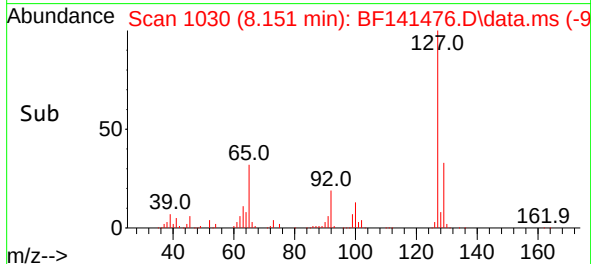
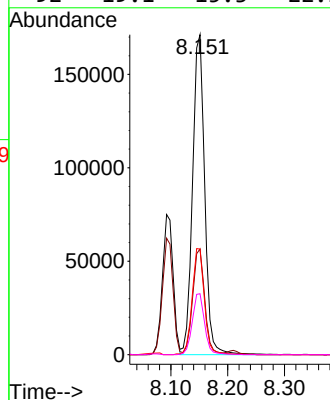
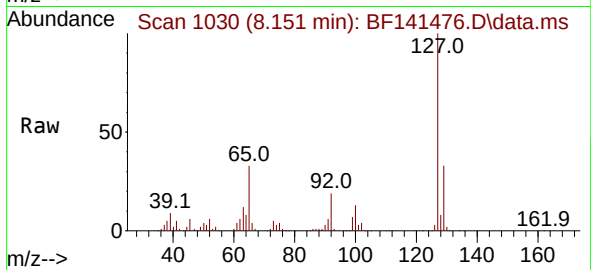




#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

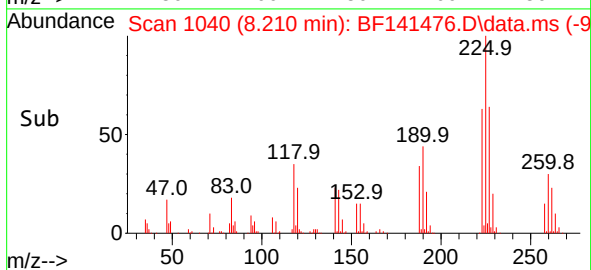
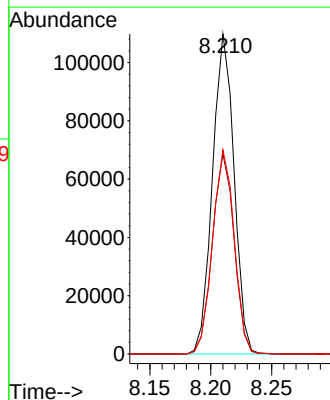
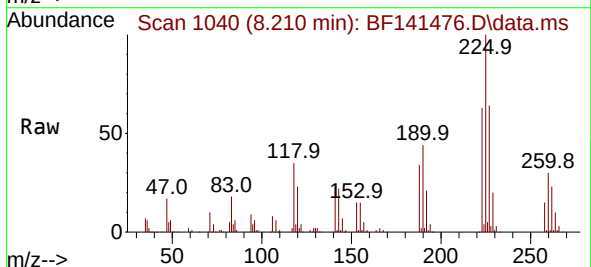
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

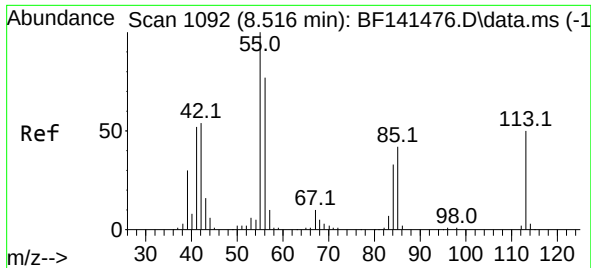
Tgt Ion:	127	Resp:	255749
Ion Ratio	Lower	Upper	
127	100		
129	33.1	26.5	39.7
65	33.0	26.4	39.6
92	19.1	15.3	22.9



#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

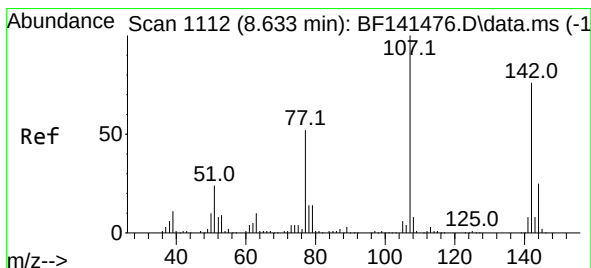
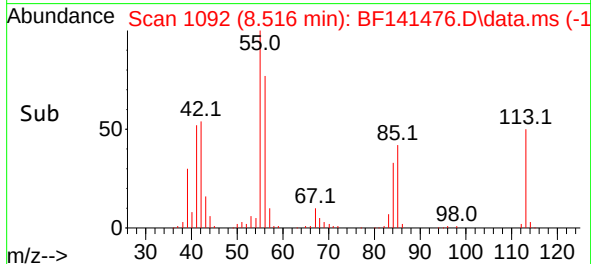
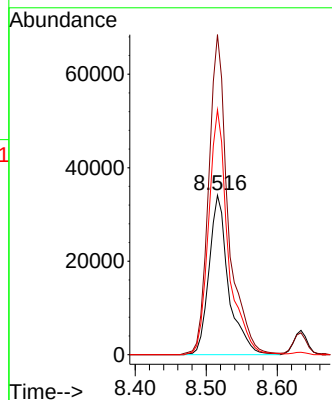
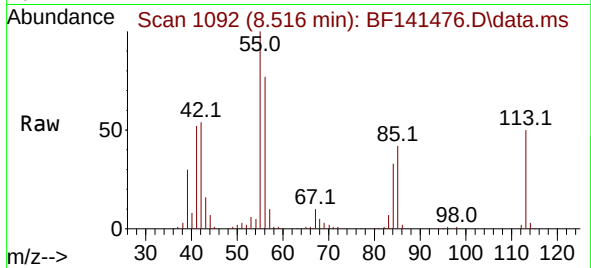




#35
 Caprolactam
 Concen: 41.461 ng
 RT: 8.516 min Scan# 1092
 Delta R.T. -0.029 min
 Lab File: BF141476.D
 Acq: 06 Feb 2025 12:55

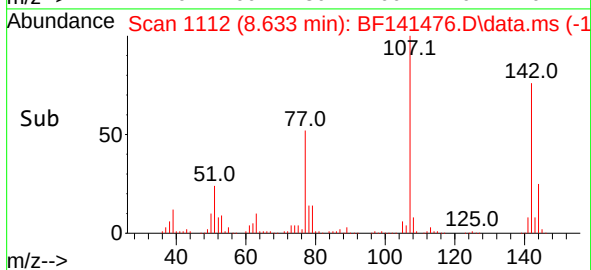
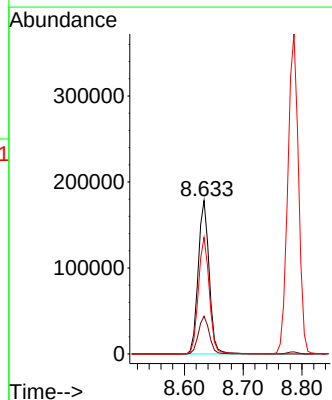
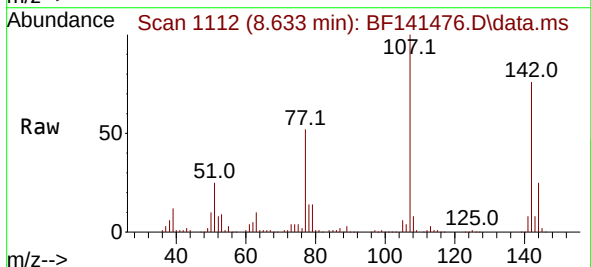
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

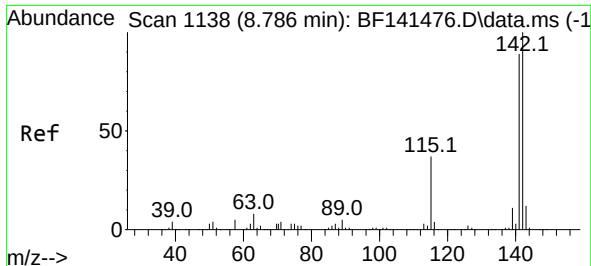
Tgt Ion:113 Resp: 65155
 Ion Ratio Lower Upper
 113 100
 55 200.8 180.8 220.8
 56 153.6 133.6 173.6



#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

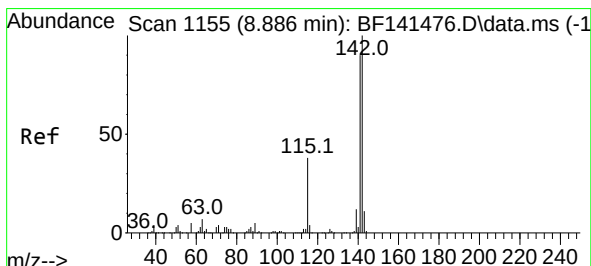
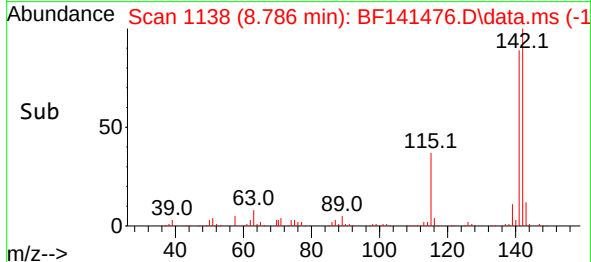
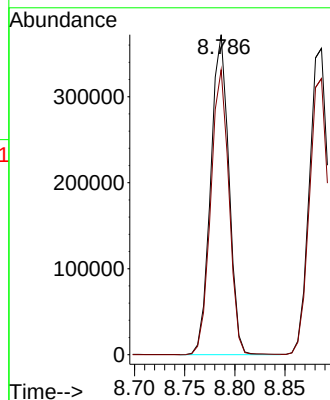
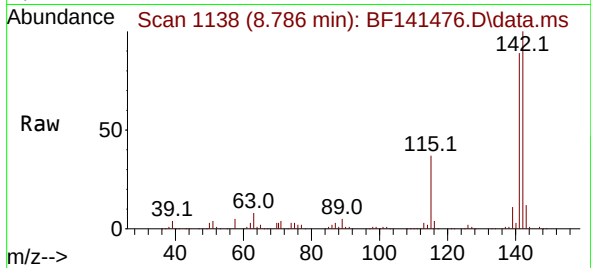




#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

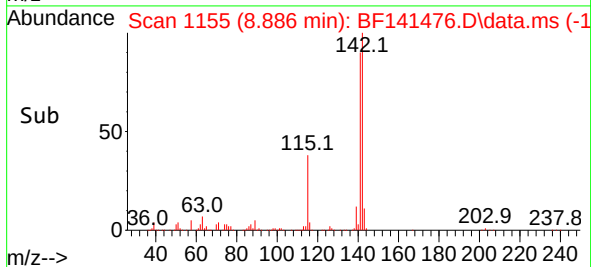
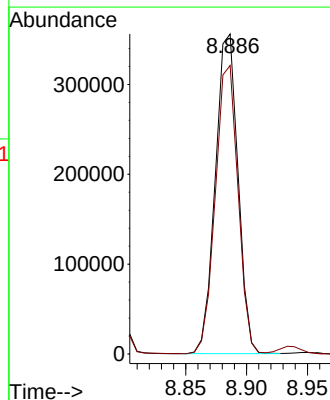
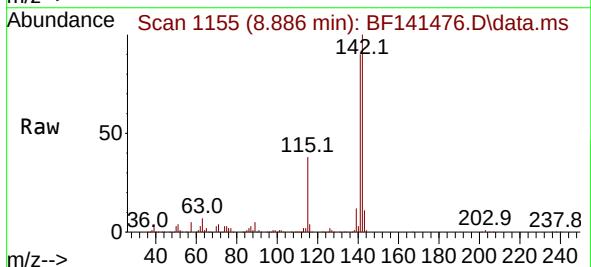
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

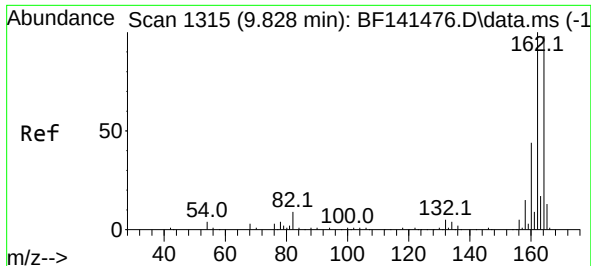
Tgt Ion:142 Resp: 470332
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#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

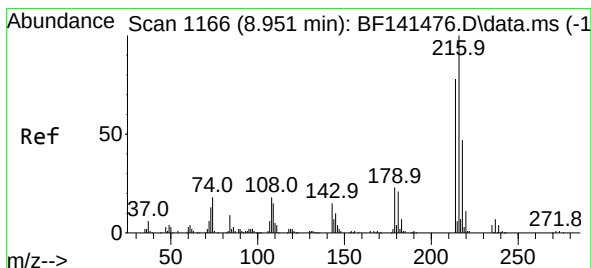
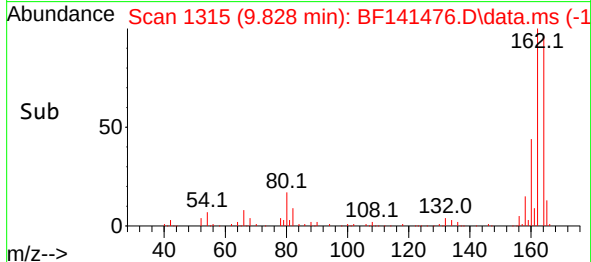
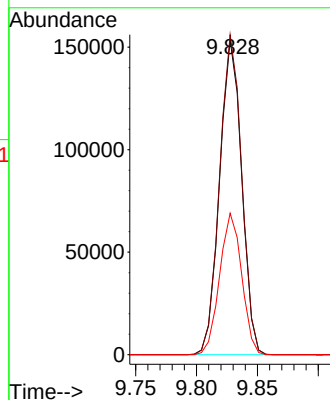
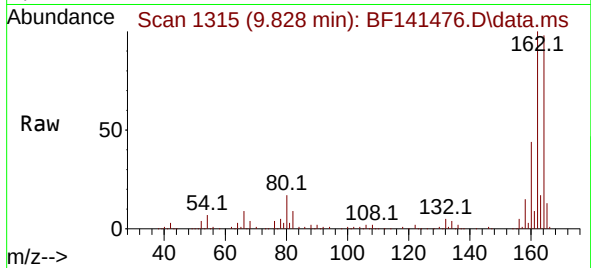




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

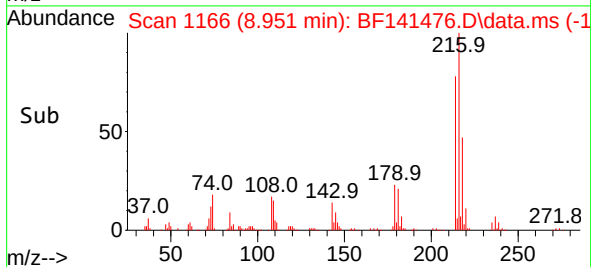
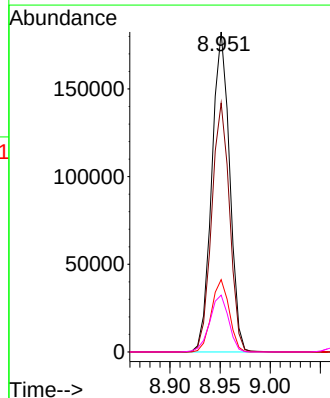
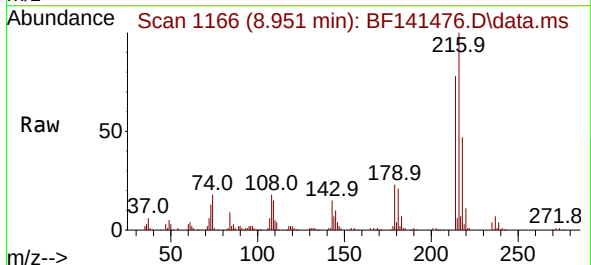
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

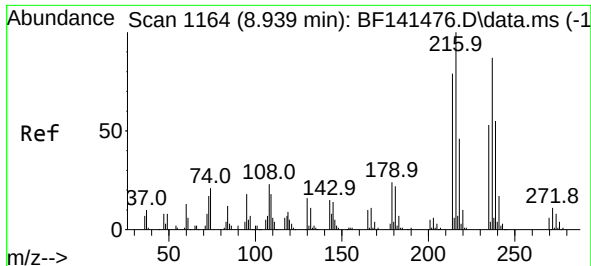
Tgt Ion:164 Resp: 193385
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.9 35.9 53.9



#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

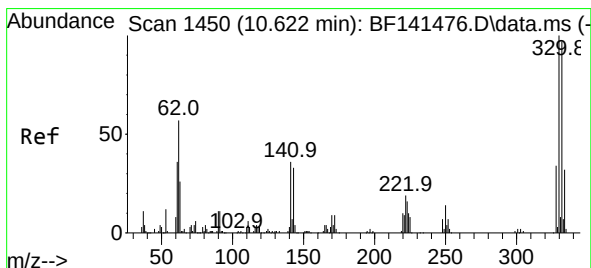
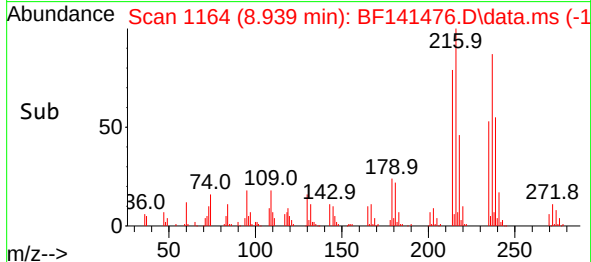
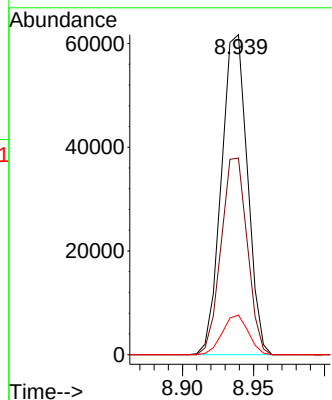
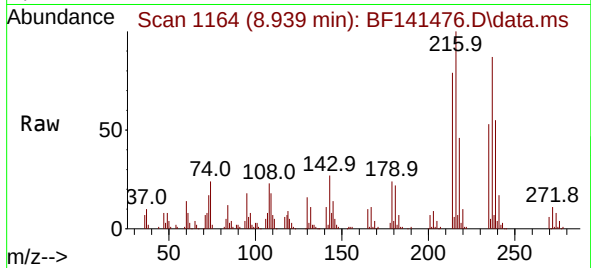




#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

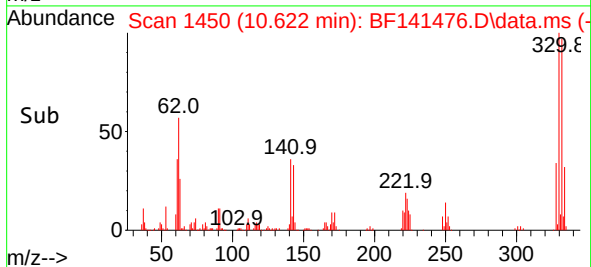
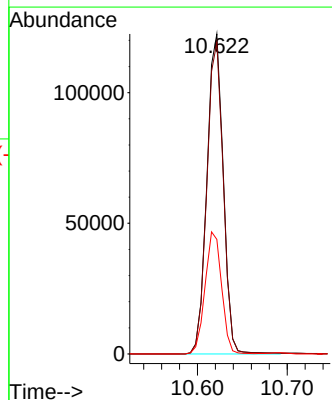
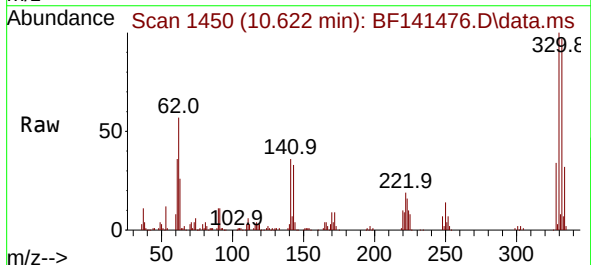
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

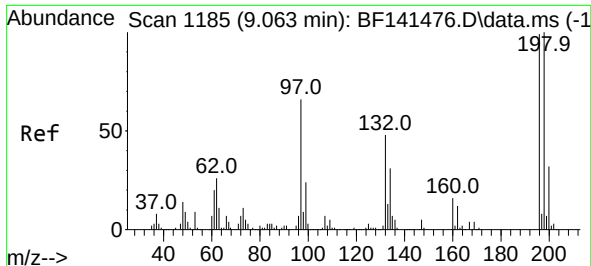
Tgt Ion:237 Resp: 78762
Ion Ratio Lower Upper
237 100
235 61.4 41.4 81.4
272 12.4 0.0 32.4



#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

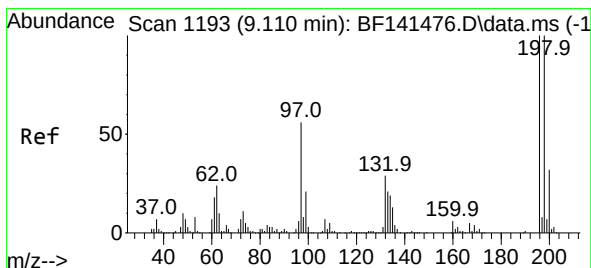
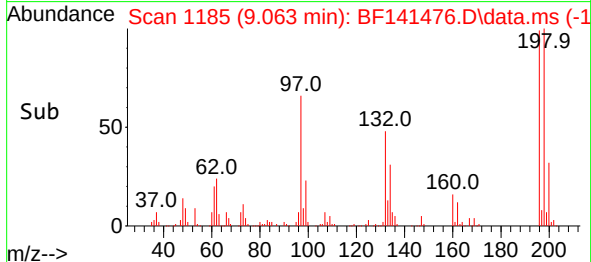
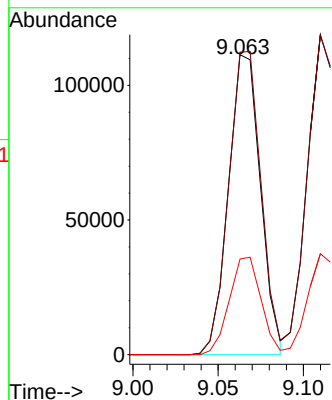
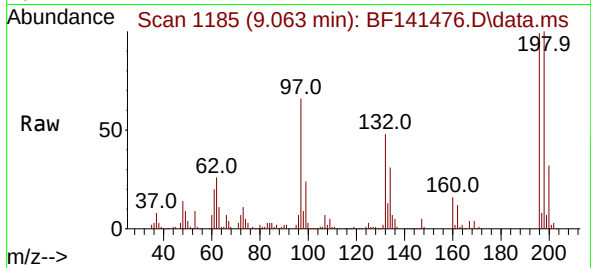




#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

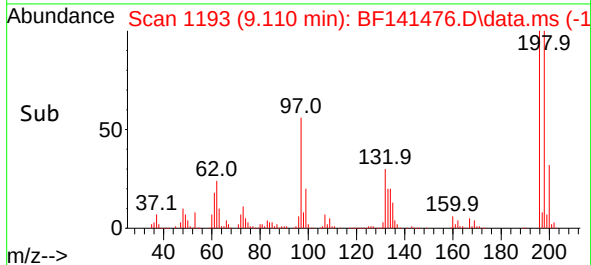
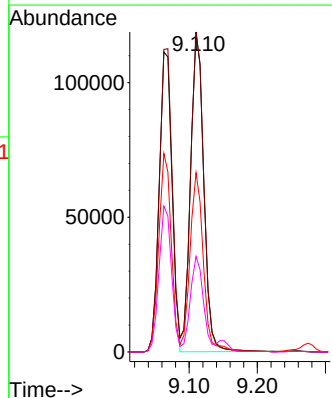
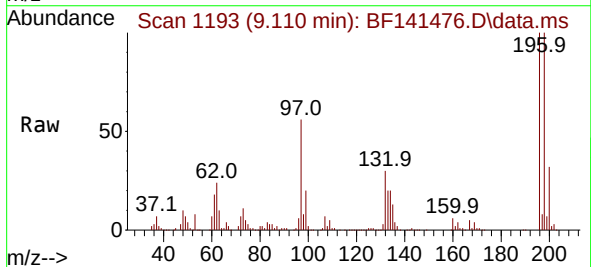
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

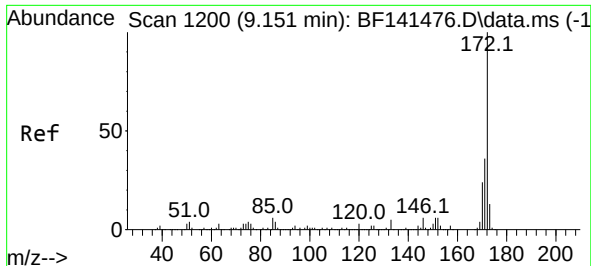
Tgt Ion:196 Resp: 145682
Ion Ratio Lower Upper
196 100
198 100.8 80.6 121.0
200 31.9 25.5 38.3



#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

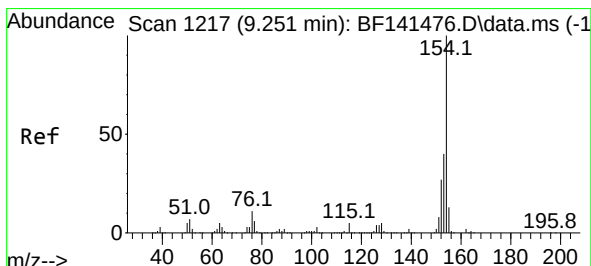
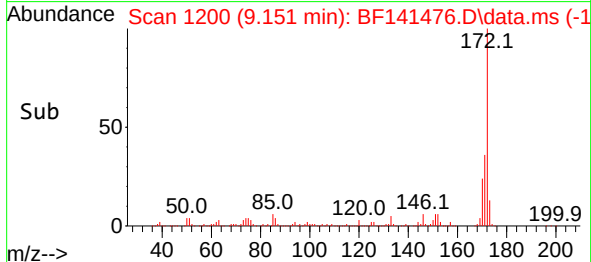
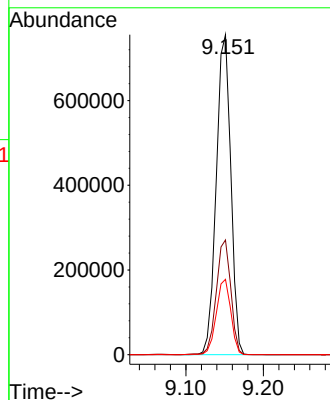
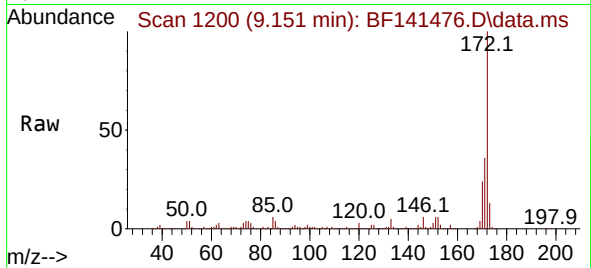




#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

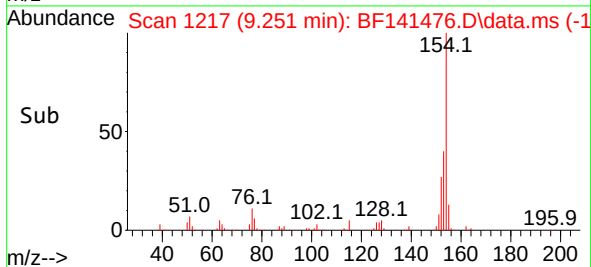
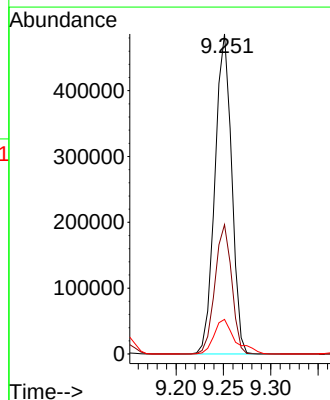
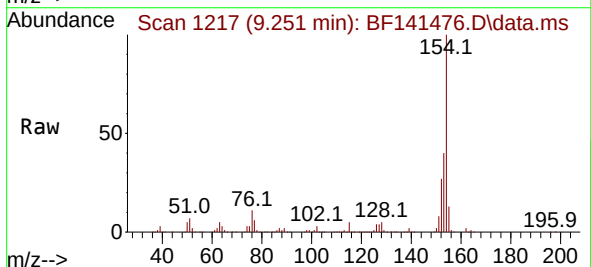
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

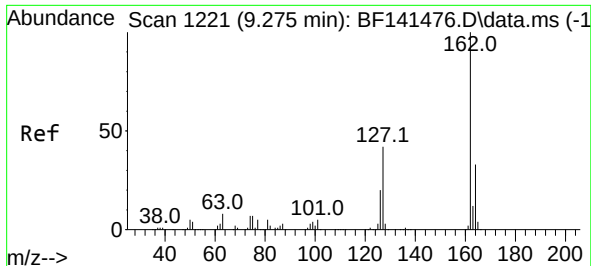
Tgt Ion:172 Resp: 981440
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.6 18.9 28.3



#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

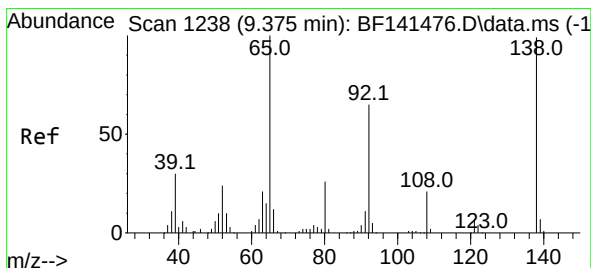
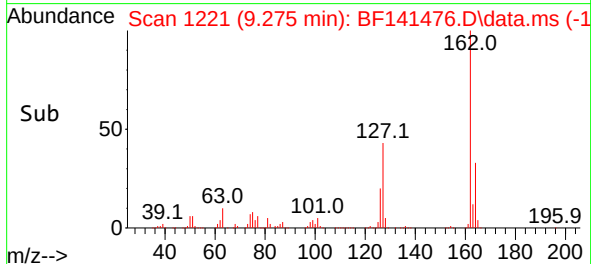
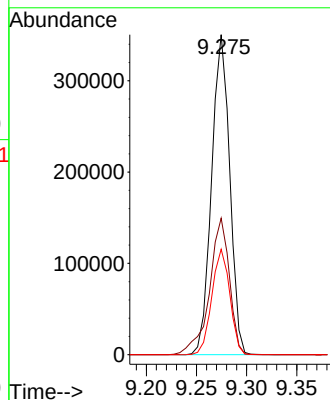
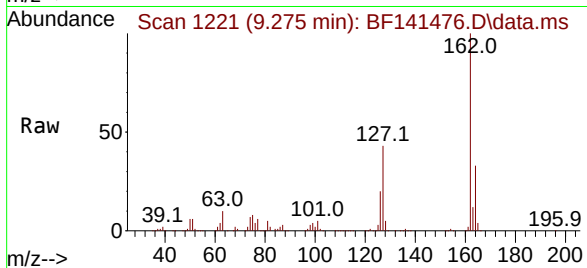
Tgt Ion:162 Resp: 438926

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

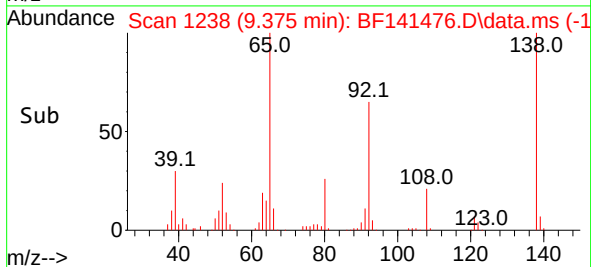
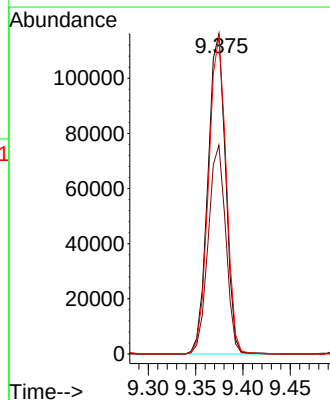
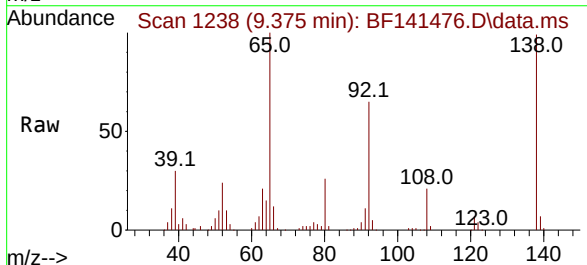
Tgt Ion: 65 Resp: 150922

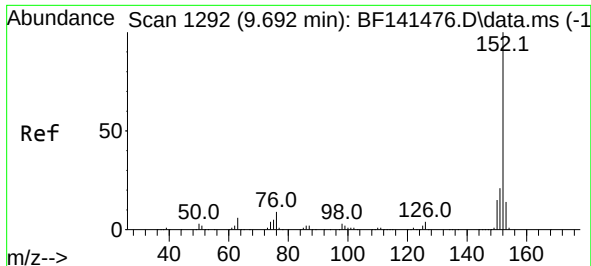
Ion Ratio Lower Upper

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

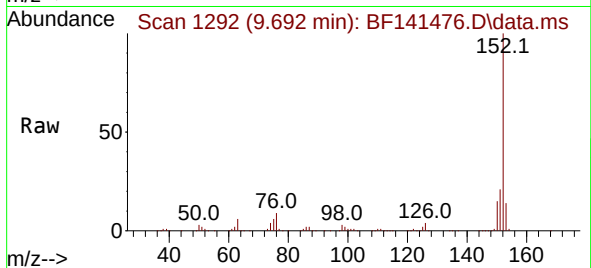
Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



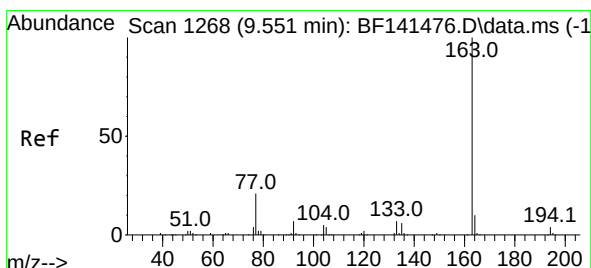
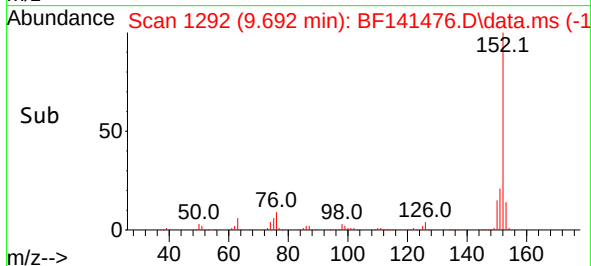
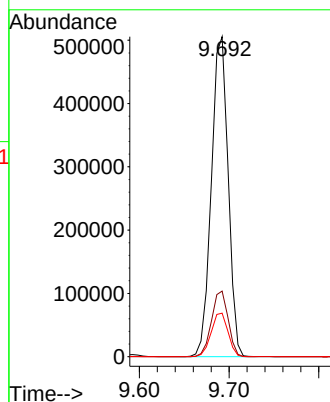
Tgt Ion:152 Resp: 656124

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

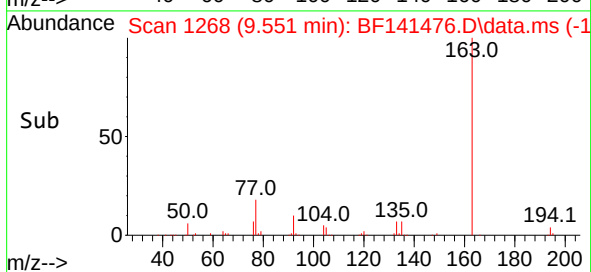
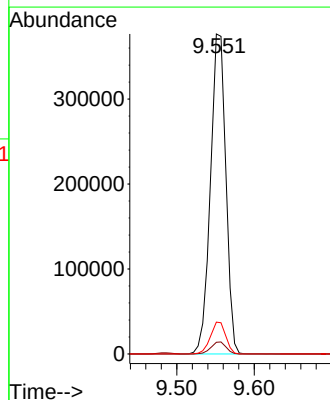
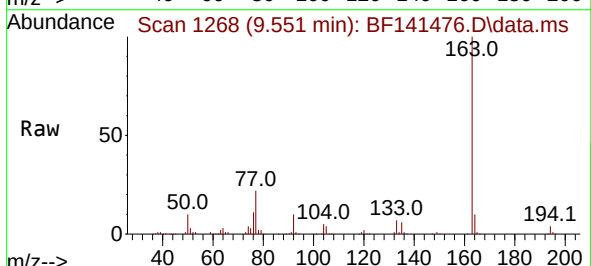
Tgt Ion:163 Resp: 520384

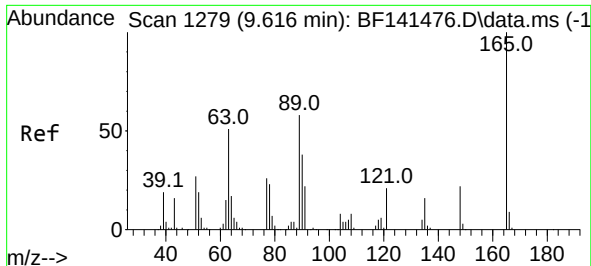
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 9.9 7.9 11.9

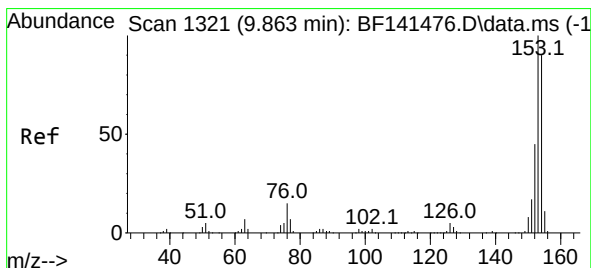
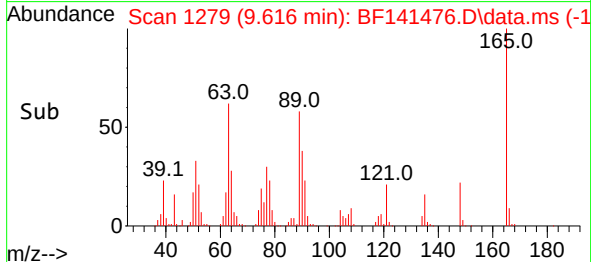
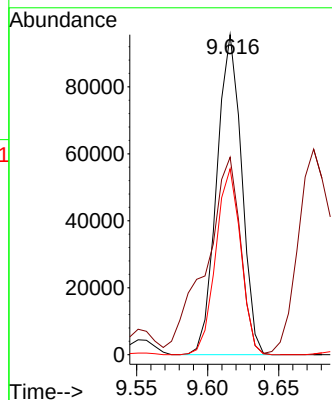
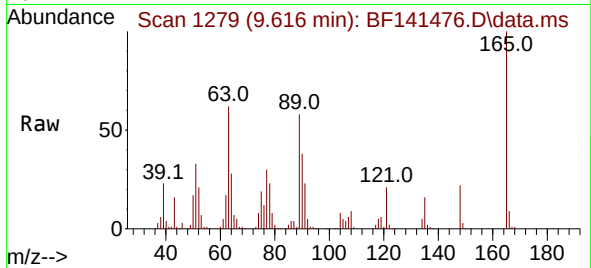




#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

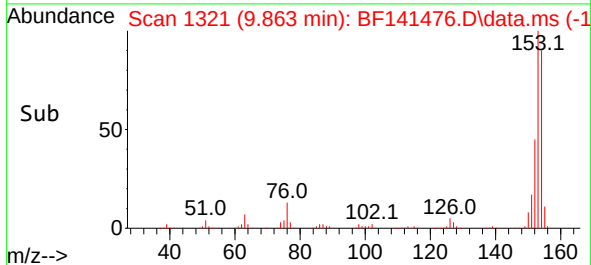
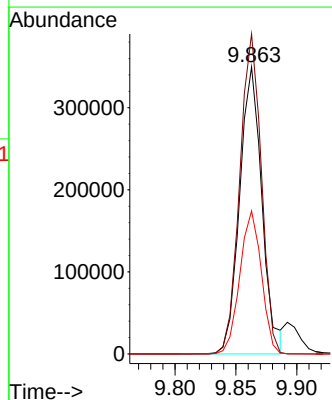
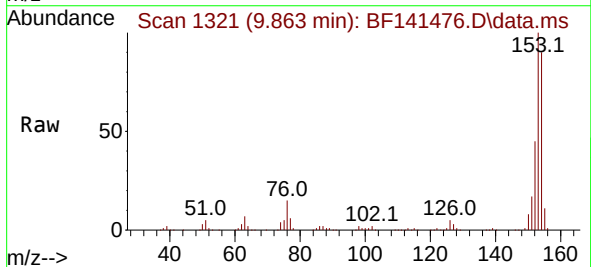
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

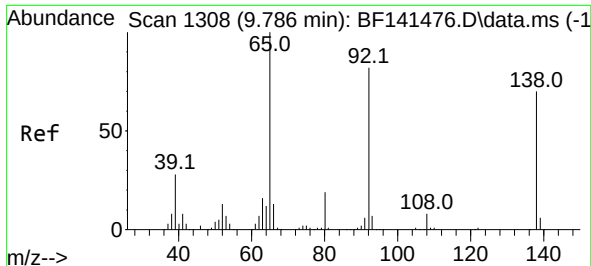
Tgt Ion:165 Resp: 116338
Ion Ratio Lower Upper
165 100
63 61.7 49.4 74.0
89 58.1 46.5 69.7



#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

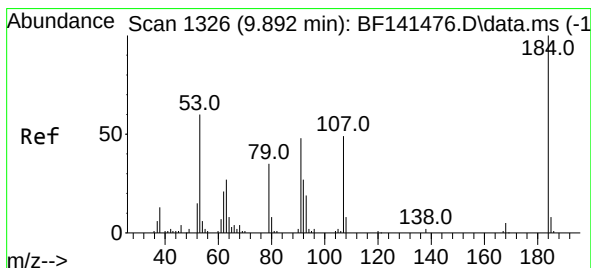
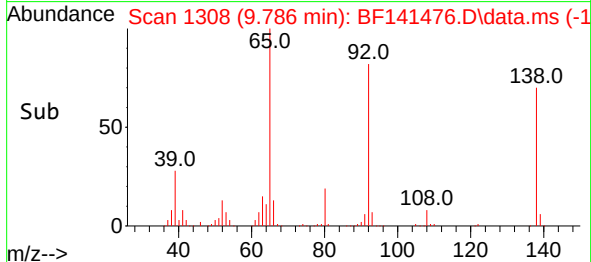
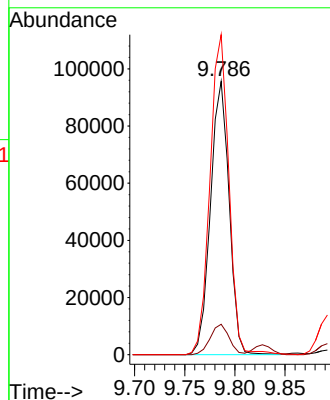
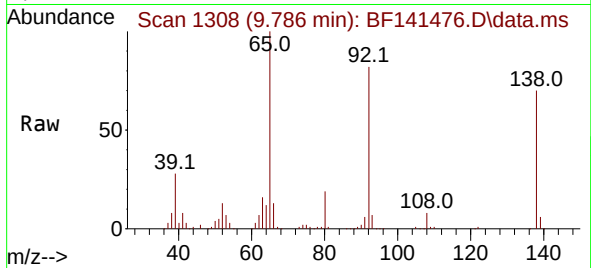




#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

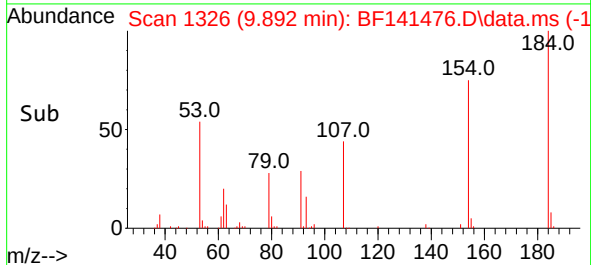
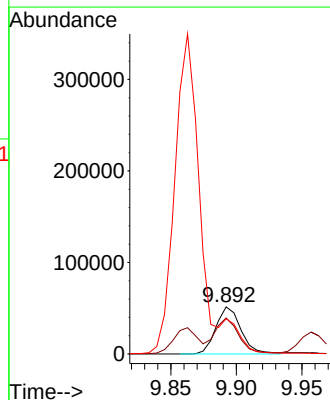
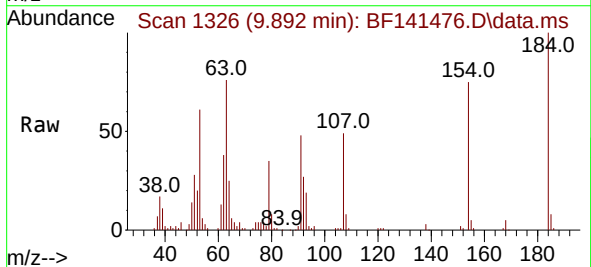
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

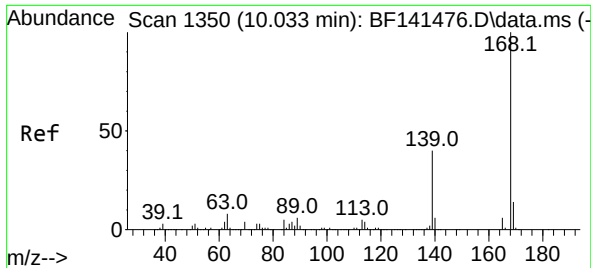
Tgt Ion:138 Resp: 123530
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.4
92 117.1 93.7 140.5



#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

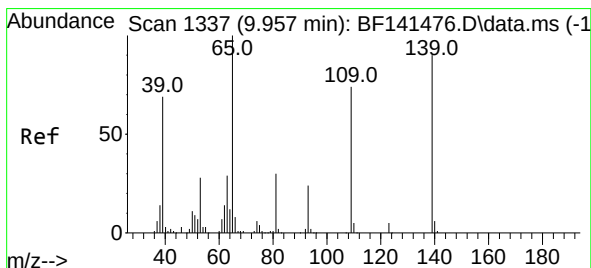
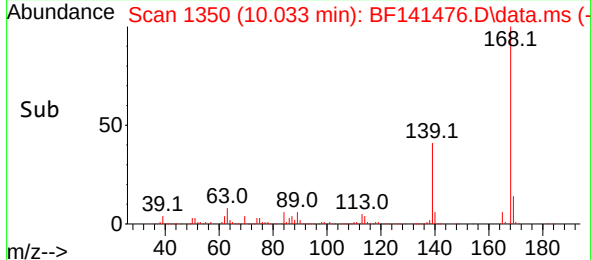
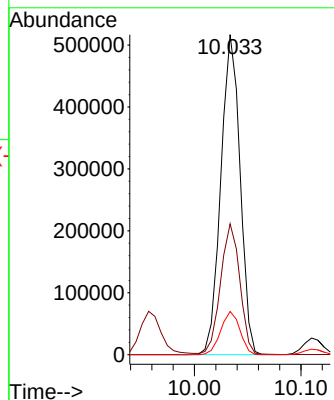
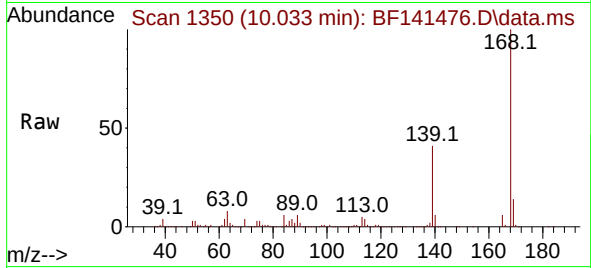




#55
Dibenzenofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

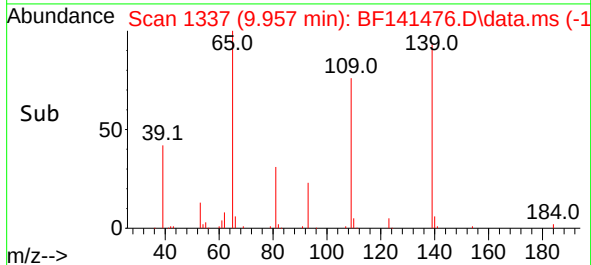
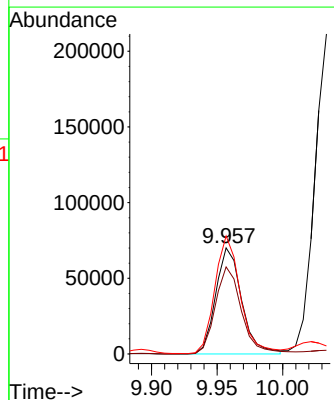
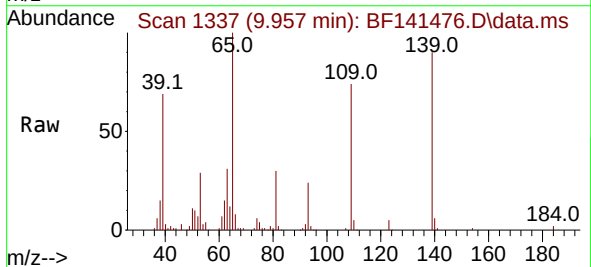
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

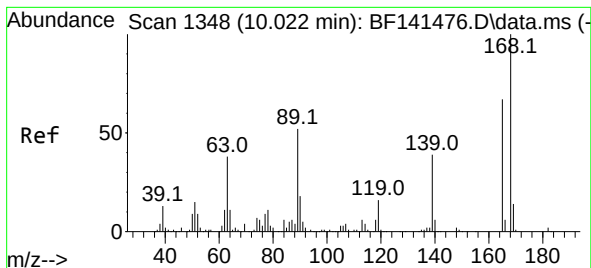
Tgt Ion:168 Resp: 647242
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.5 10.8 16.2



#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

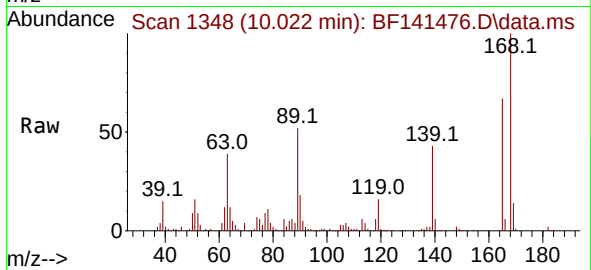
Tgt Ion:139 Resp: 96456
Ion Ratio Lower Upper
139 100
109 82.0 62.0 102.0
65 111.2 91.2 131.2



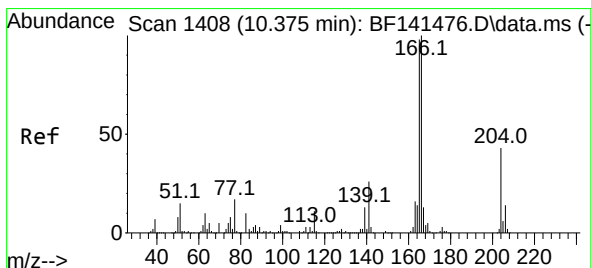
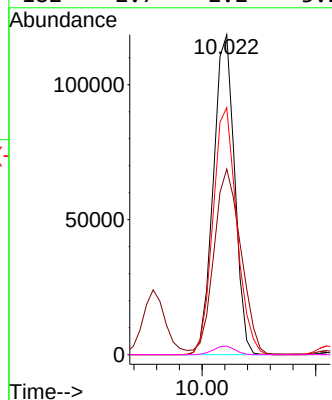
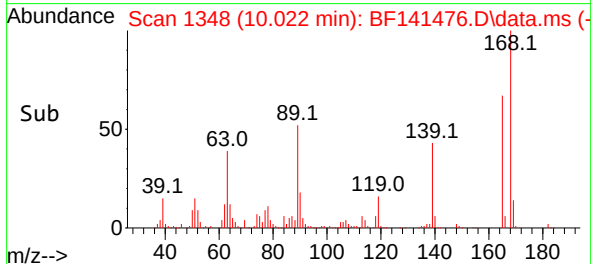


#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

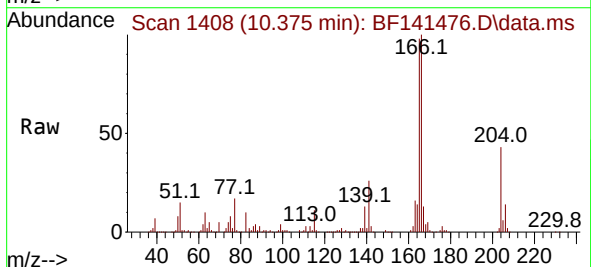
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



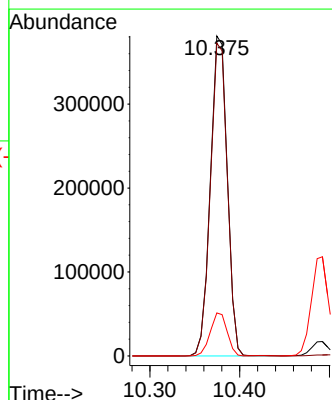
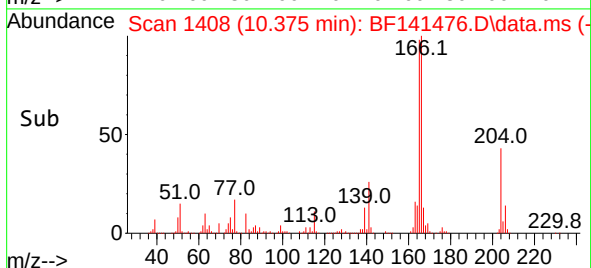
Tgt Ion:	165	Resp:	153824
Ion	Ratio	Lower	Upper
165	100		
63	58.0	46.4	69.6
89	77.2	61.8	92.6
182	2.7	2.2	3.2

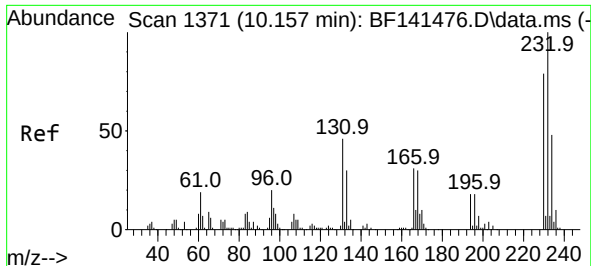


#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55



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



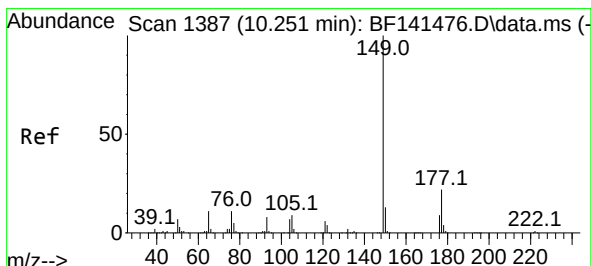
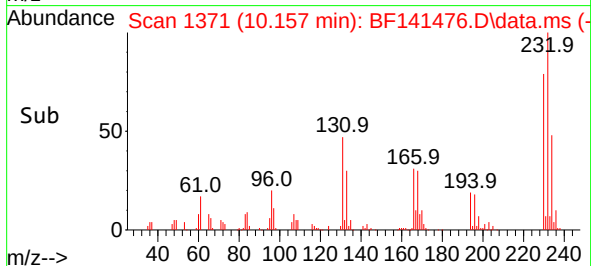
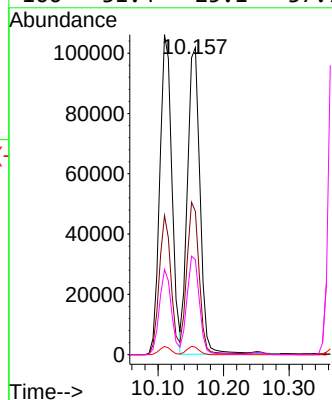
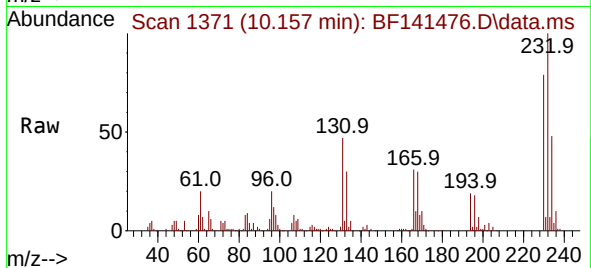


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 134581

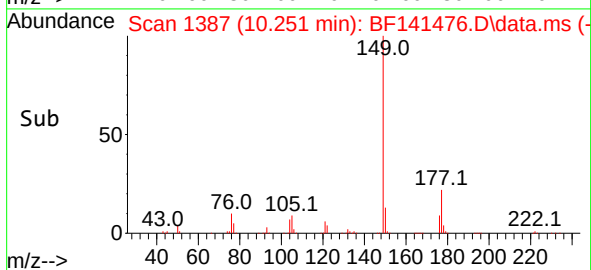
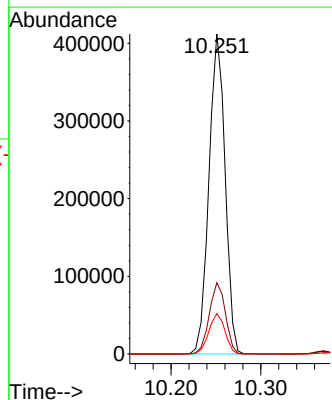
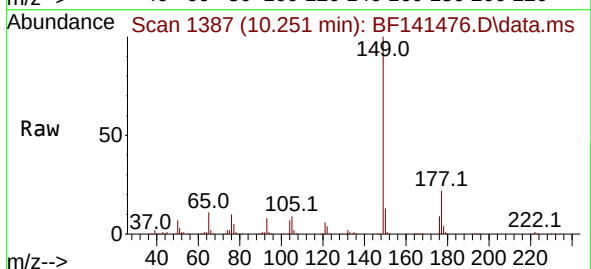
Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.6	2.1	3.1
166	31.4	25.1	37.7

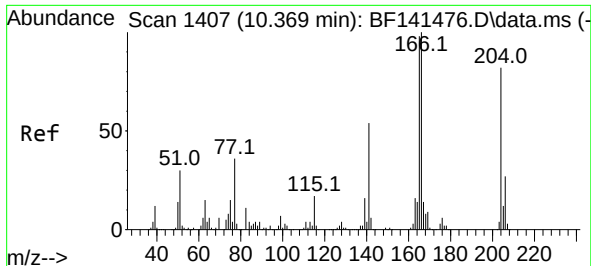


#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

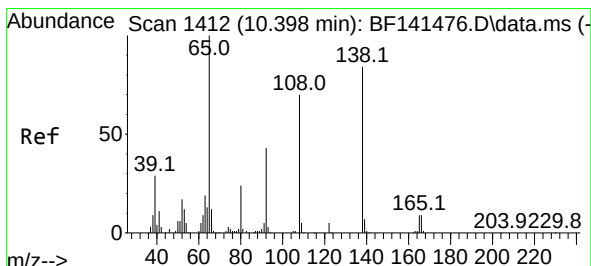
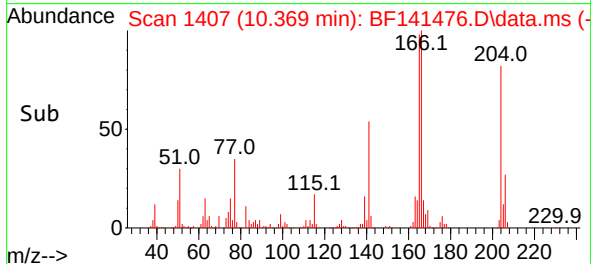
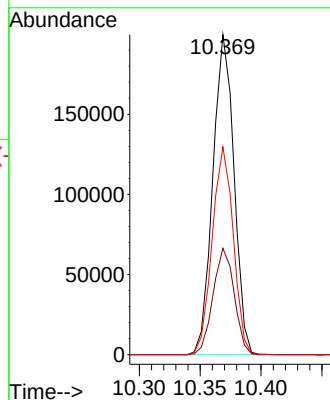
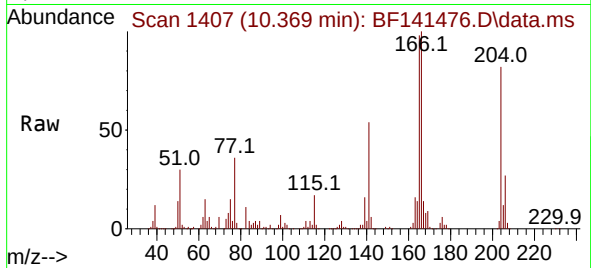




#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

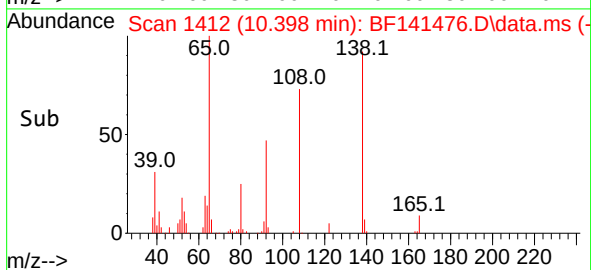
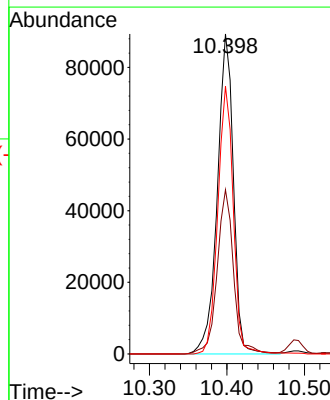
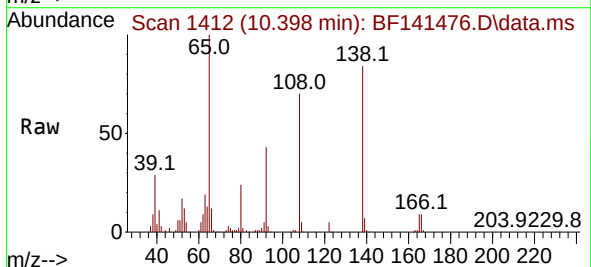
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

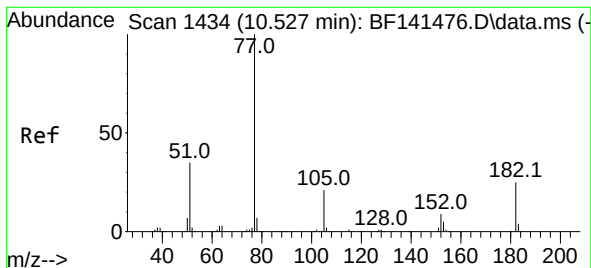
Tgt Ion:204 Resp: 240707
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 64.9 51.9 77.9



#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

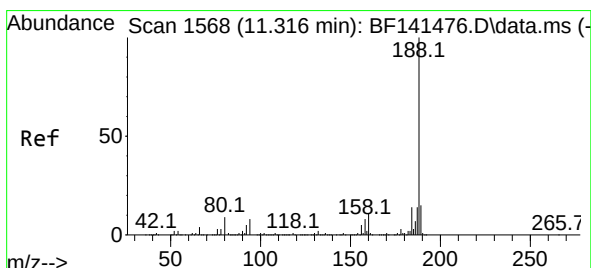
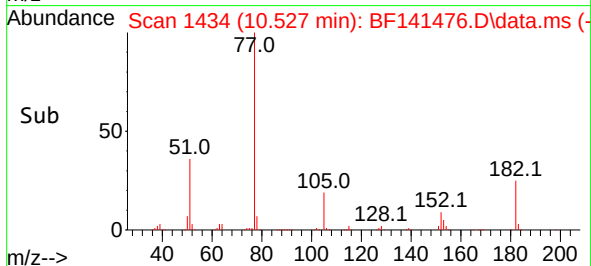
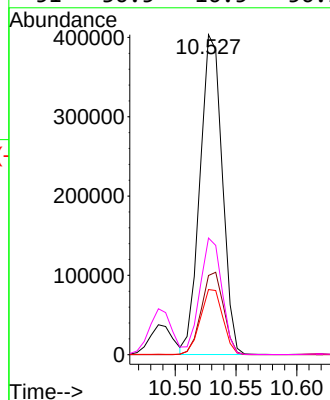
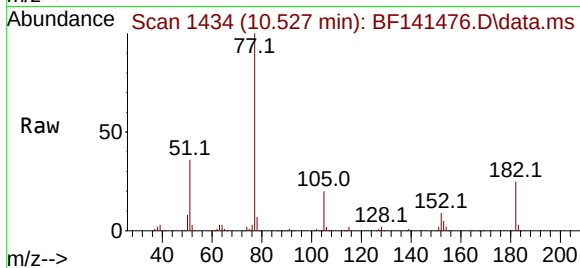
Ion Ratio Lower Upper

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

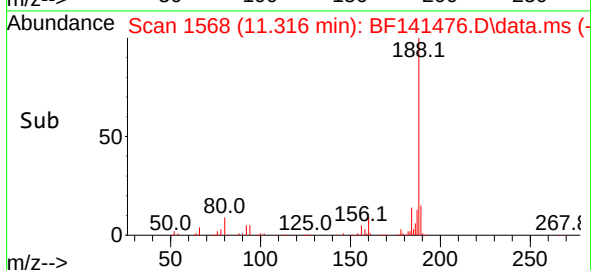
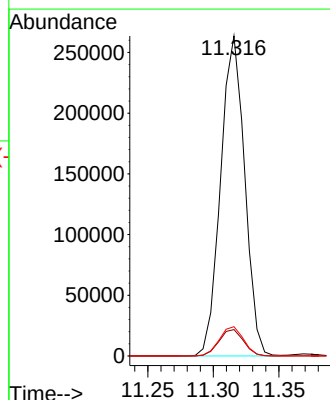
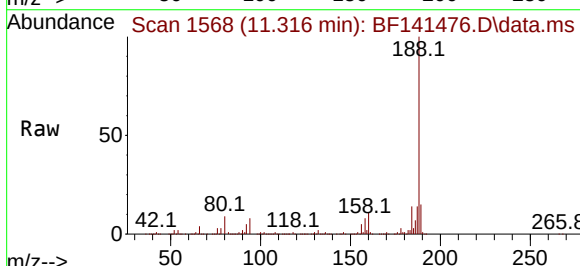
Tgt Ion: 188 Resp: 336425

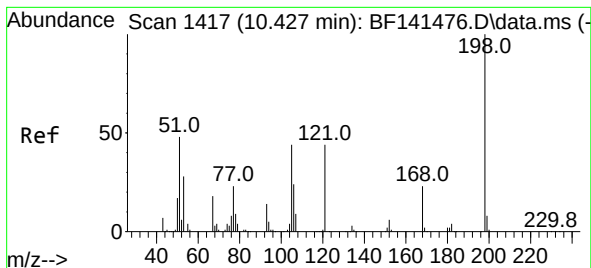
Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.1 7.3 10.9

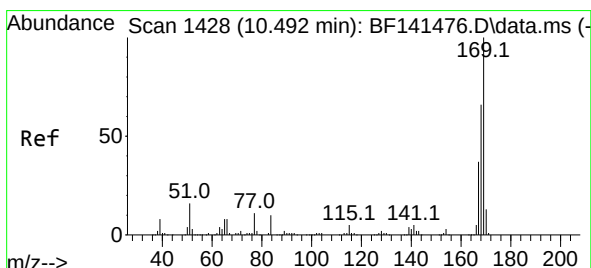
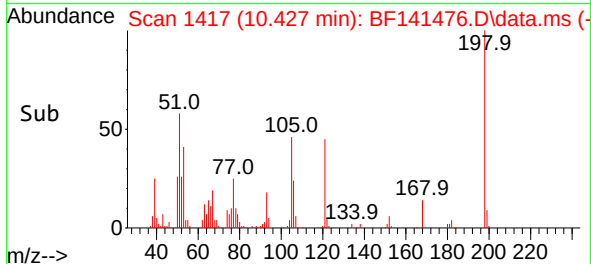
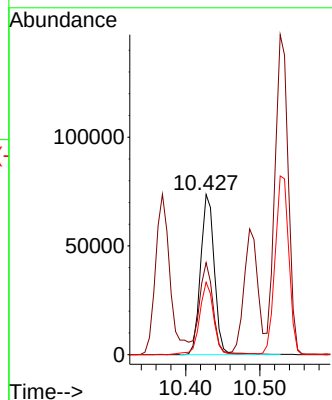
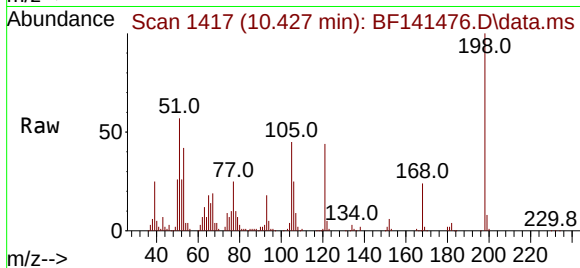




#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

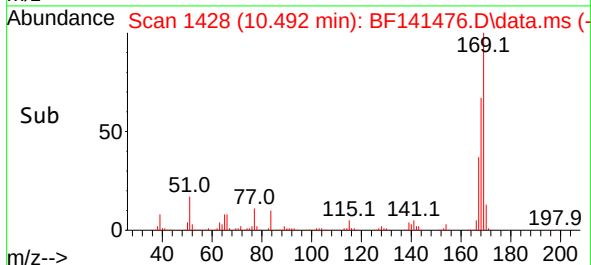
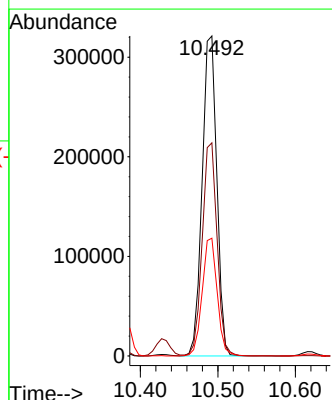
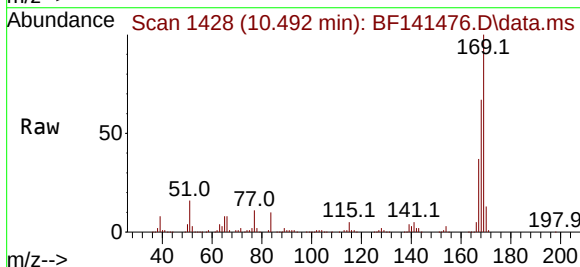
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

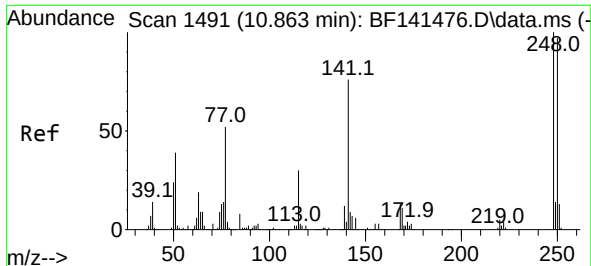
Tgt Ion:198 Resp: 95521
Ion Ratio Lower Upper
198 100
51 57.4 37.4 77.4
105 45.2 25.2 65.2



#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

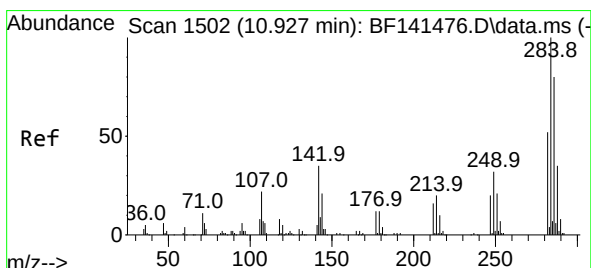
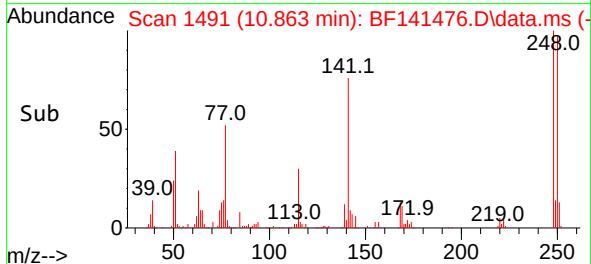
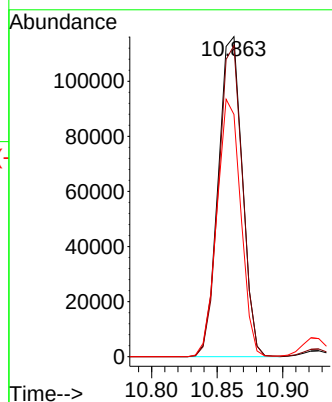
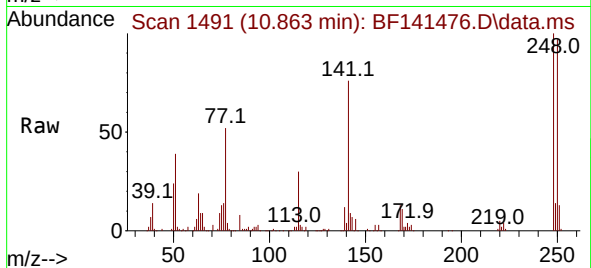




#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

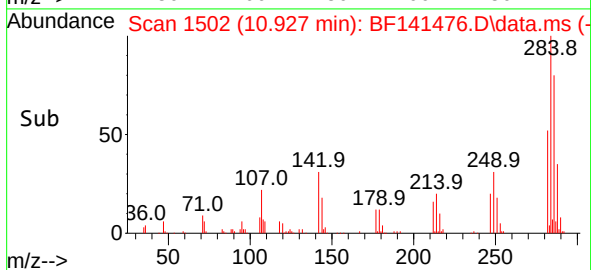
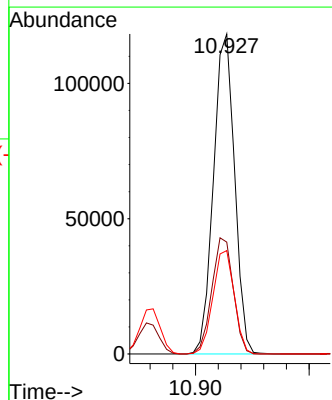
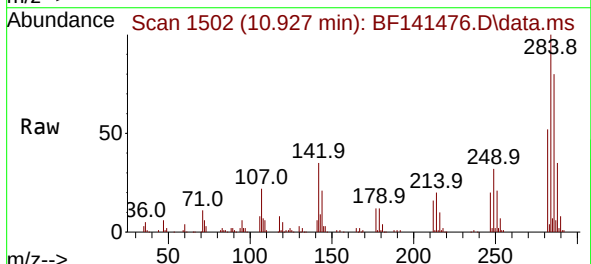
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

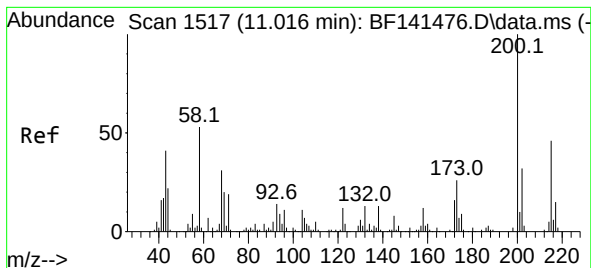
Tgt Ion:248 Resp: 148603
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.6
141 75.7 60.6 90.8



#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

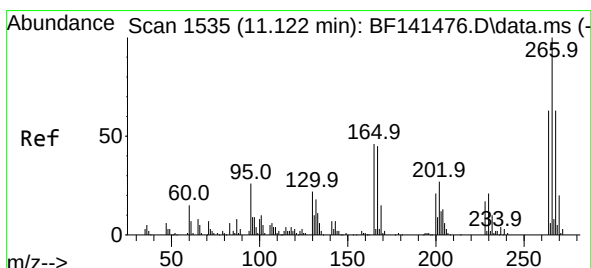
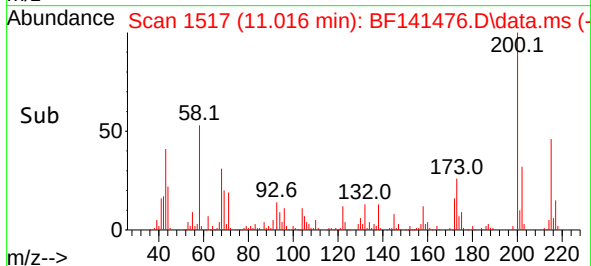
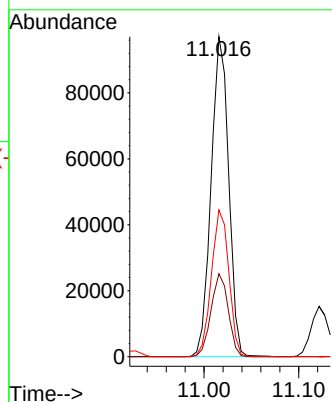
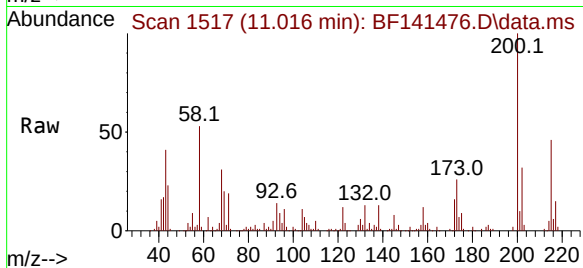
Tgt Ion:200 Resp: 124494

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

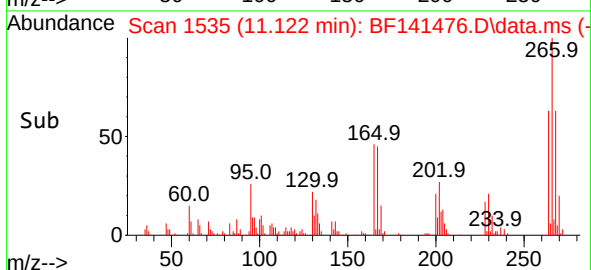
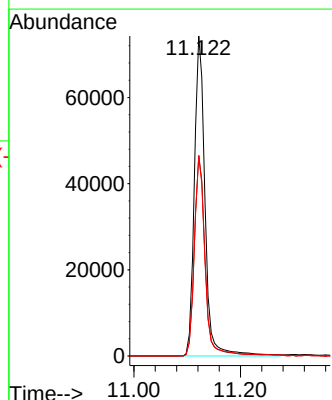
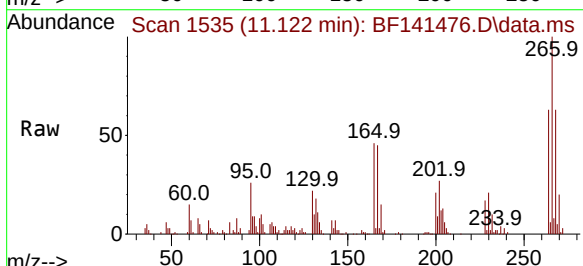
Tgt Ion:266 Resp: 103806

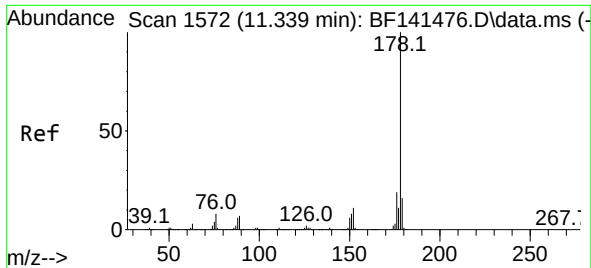
Ion Ratio Lower Upper

266 100

268 62.6 50.1 75.1

264 62.6 50.1 75.1

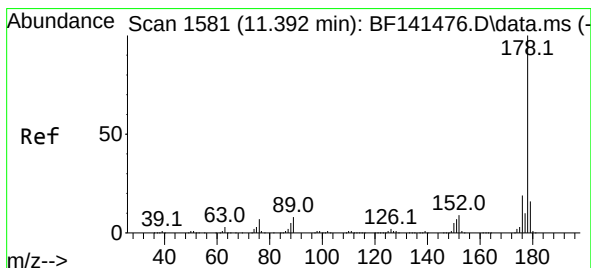
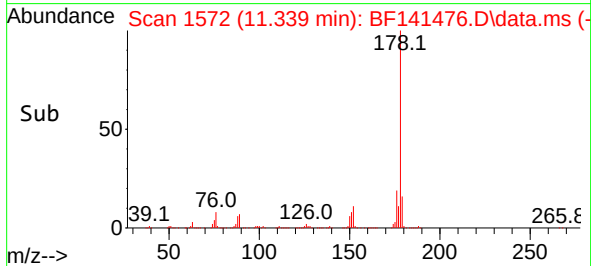
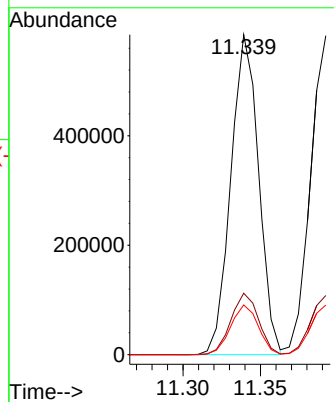
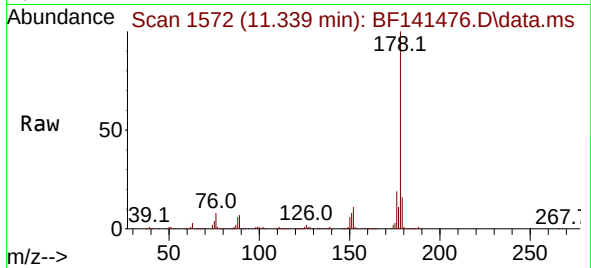




#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

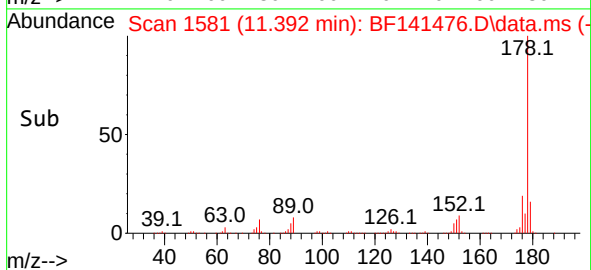
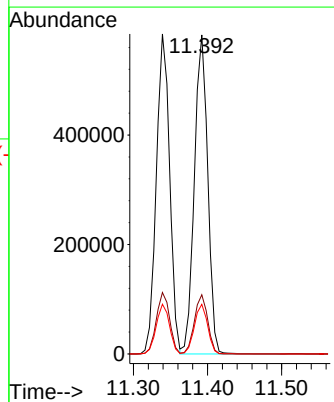
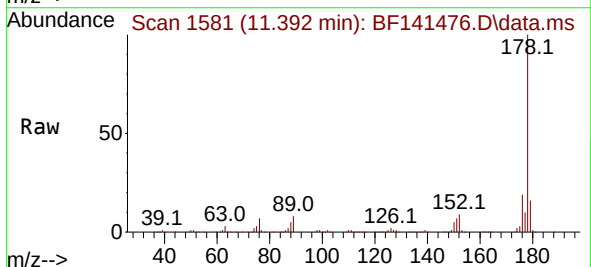
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

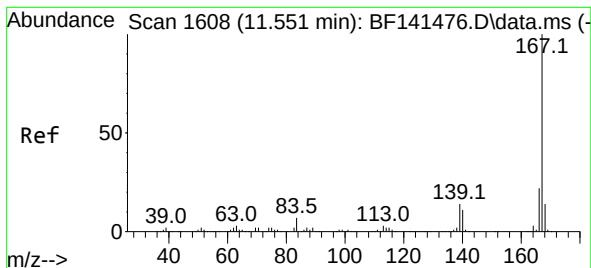
Tgt Ion:178 Resp: 729585
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6



#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

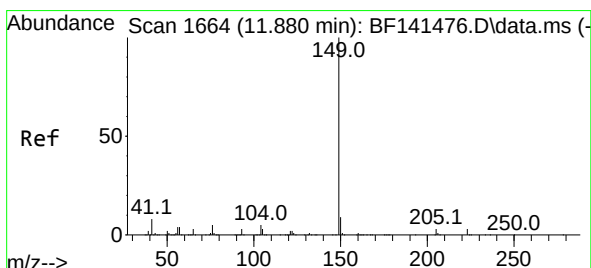
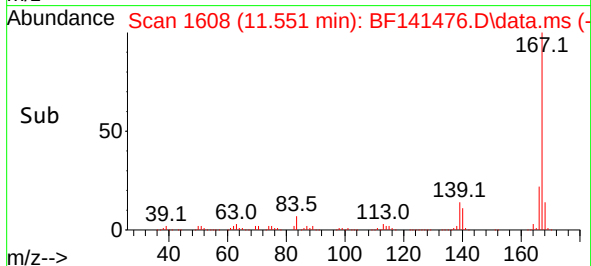
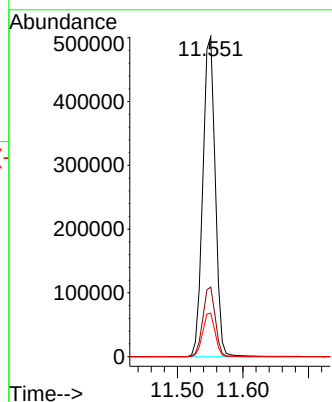
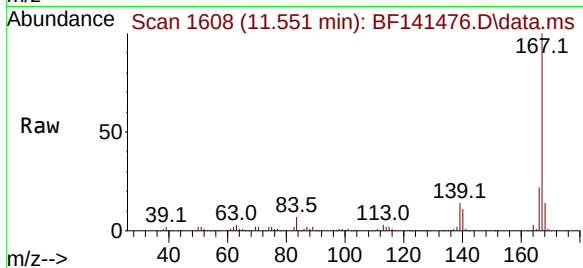
Tgt Ion:167 Resp: 663523

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

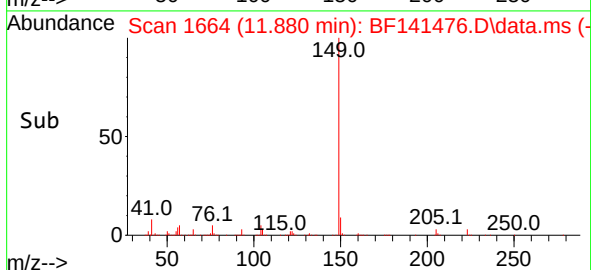
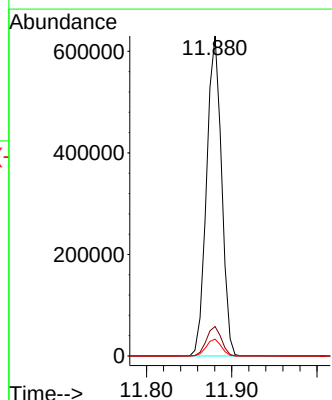
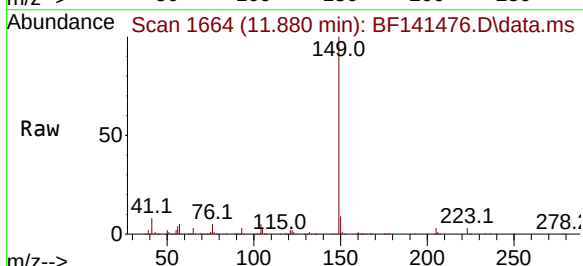
Tgt Ion:149 Resp: 767961

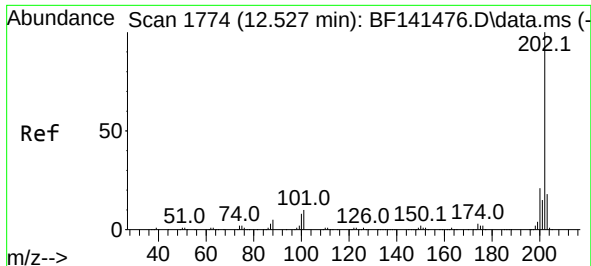
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.2 4.2 6.2

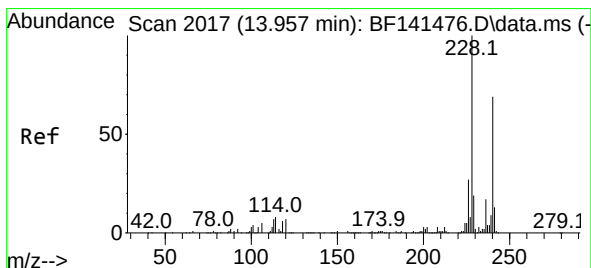
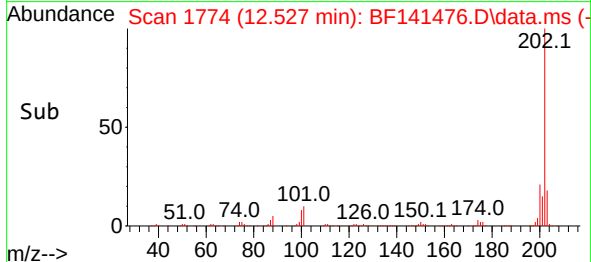
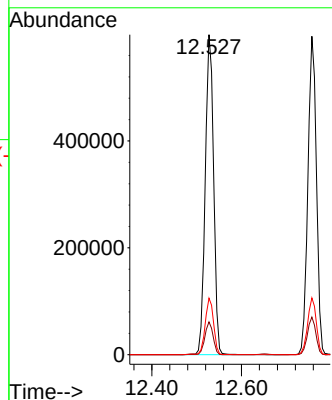
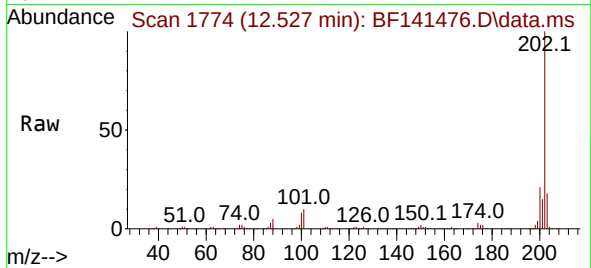




#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

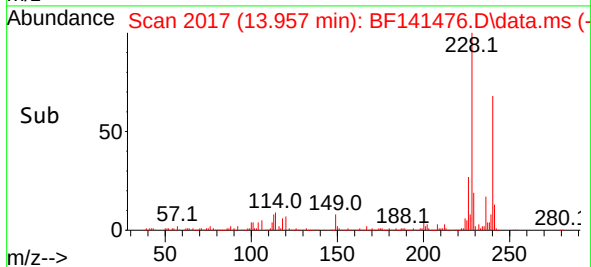
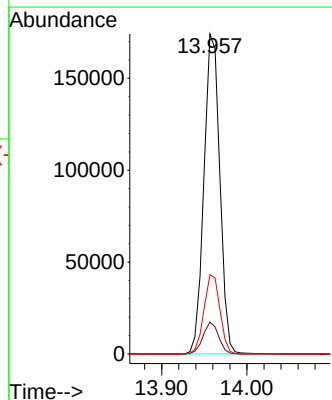
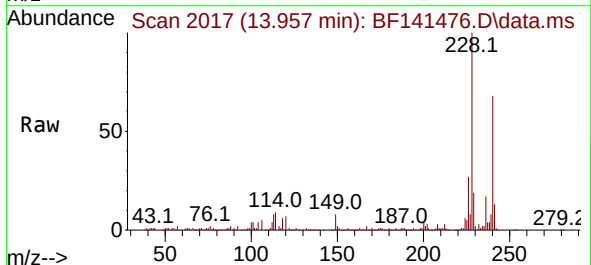
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

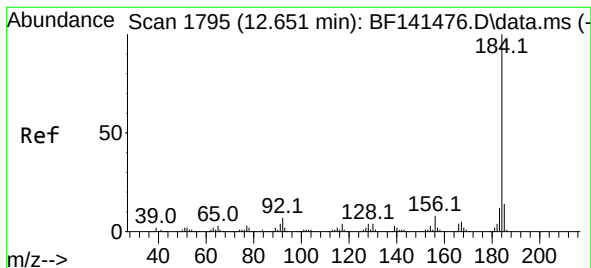
Tgt Ion:202 Resp: 774369
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.6 0.0 37.6



#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:240 Resp: 225462
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

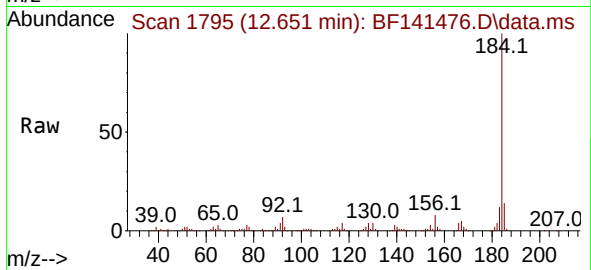
Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

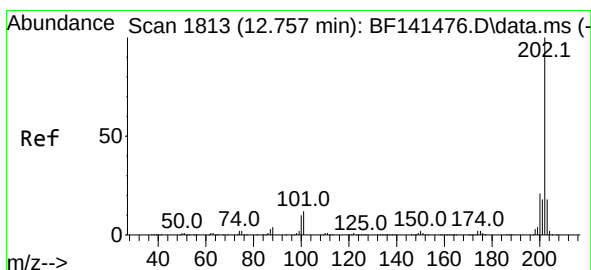
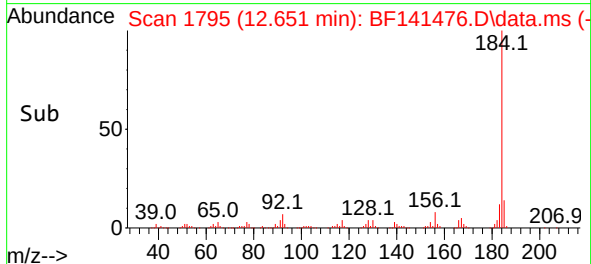
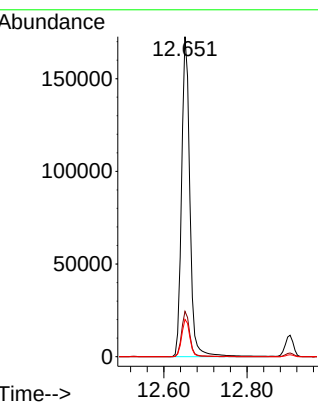
ClientSampleId :

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

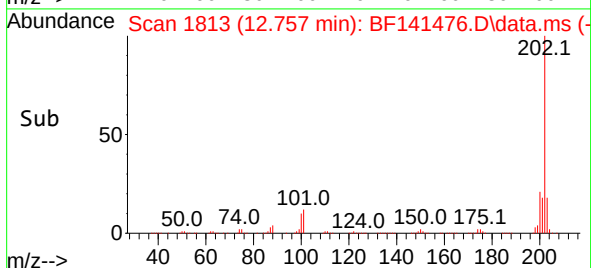
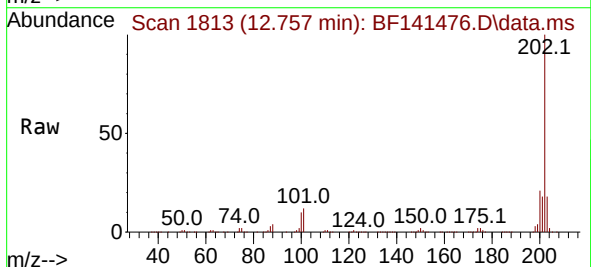
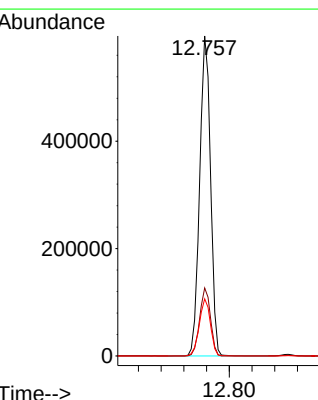
Delta R.T. -0.006 min

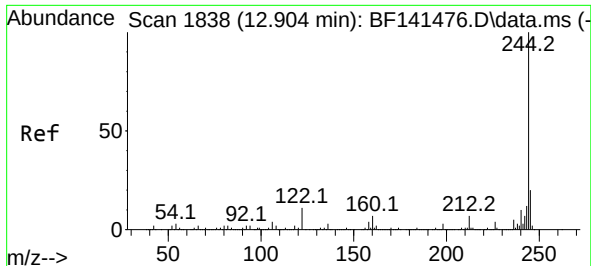
Lab File: BF141476.D

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

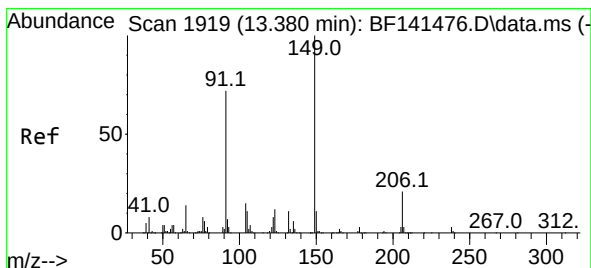
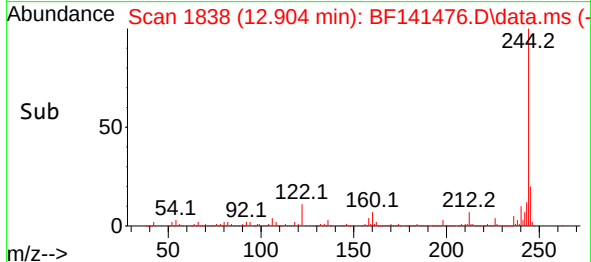
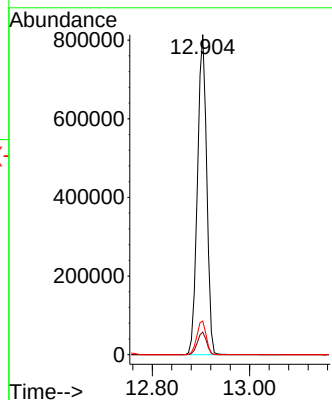
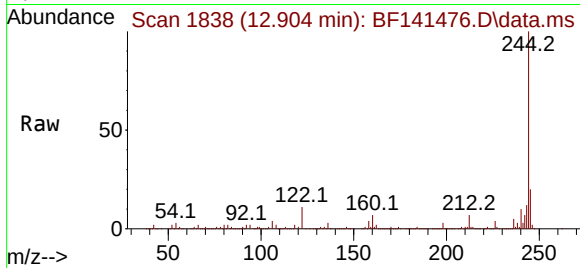




#79
 Terphenyl-d14
 Concen: 80.879 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141476.D
 Acq: 06 Feb 2025 12:55

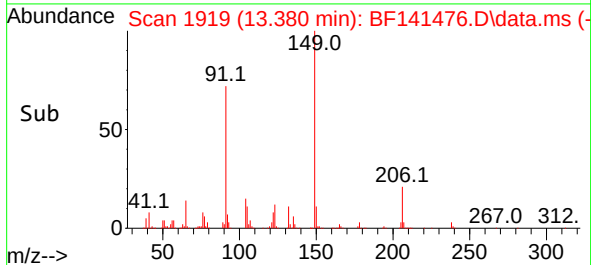
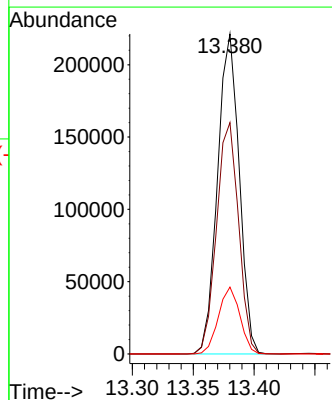
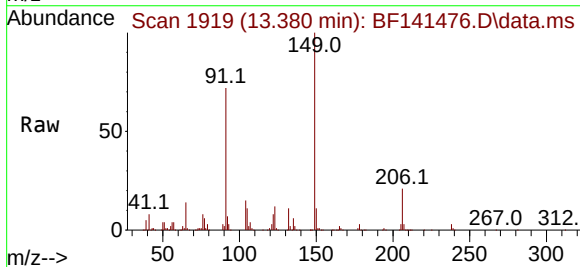
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

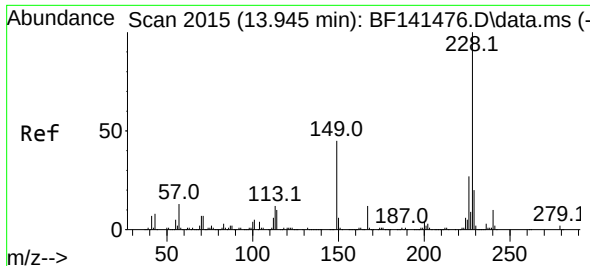
Tgt Ion:244 Resp: 1080174
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.5 8.4 12.6



#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

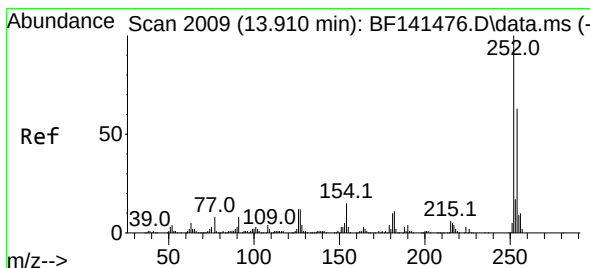
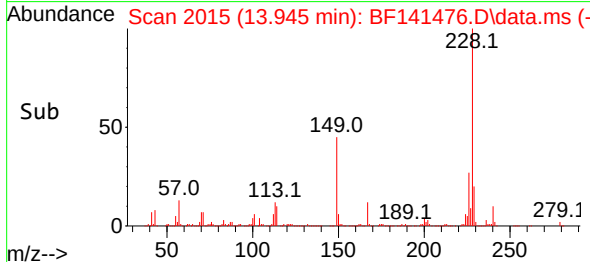
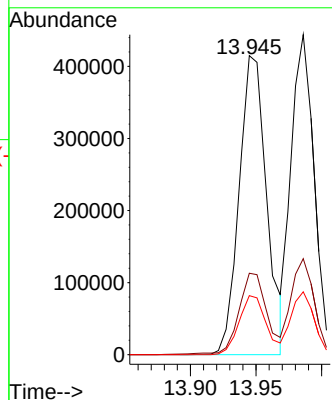
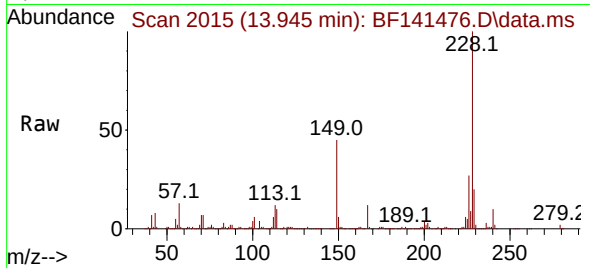




#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

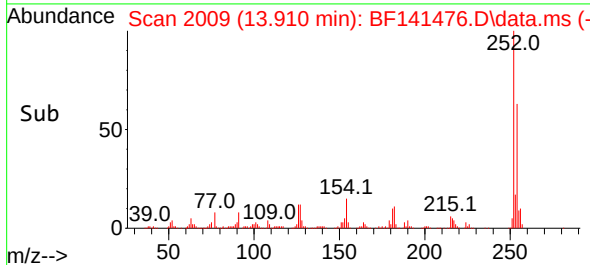
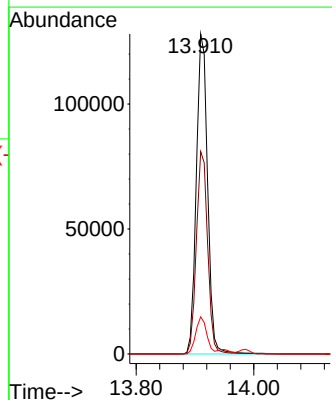
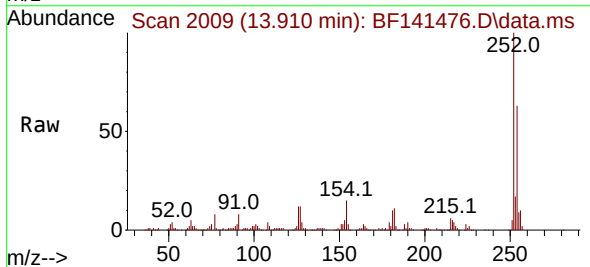
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

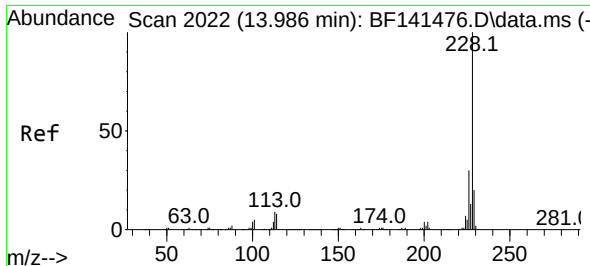
Tgt Ion:228 Resp: 606669
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6



#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

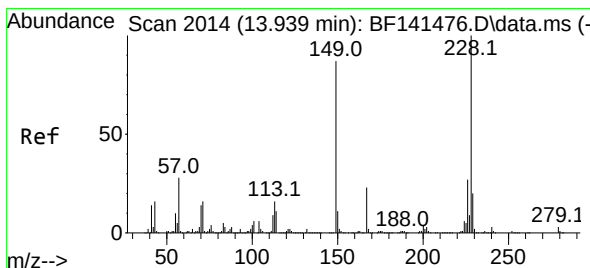
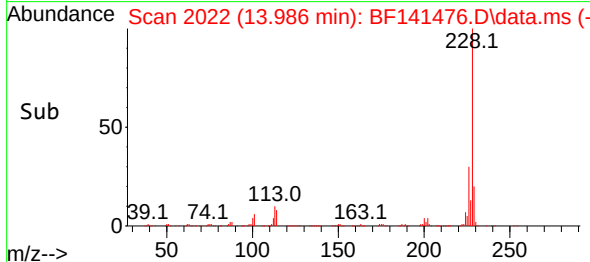
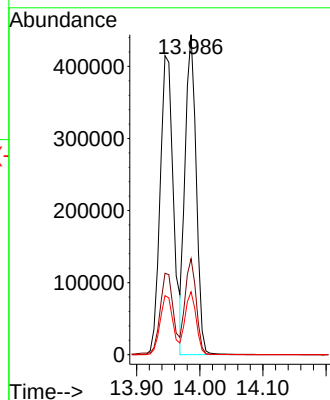
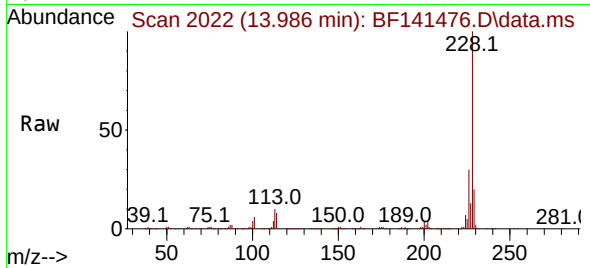




#83
Chrysene
Concen: 39.121 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

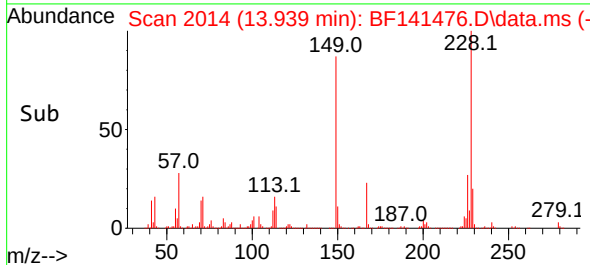
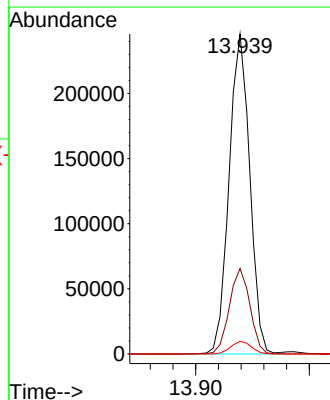
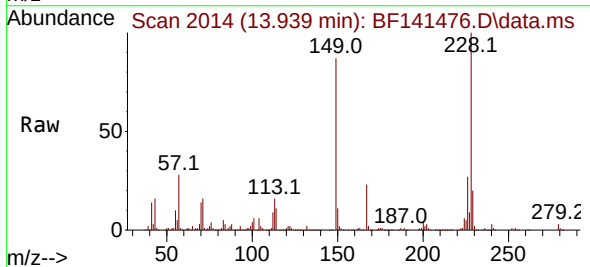
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

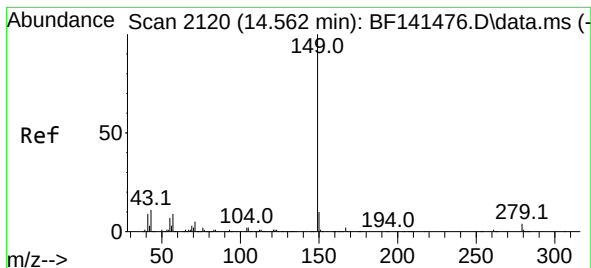
Tgt Ion:228 Resp: 541376
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 19.6 15.7 23.5



#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

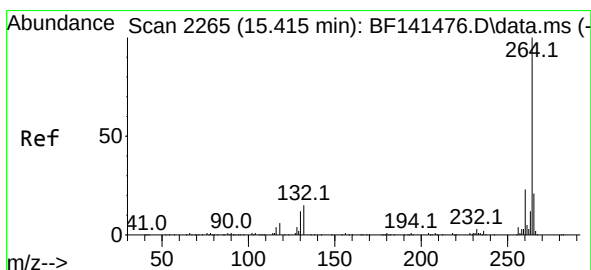
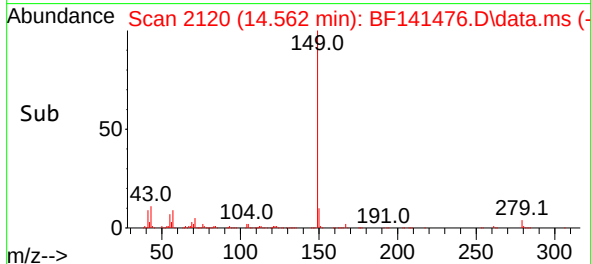
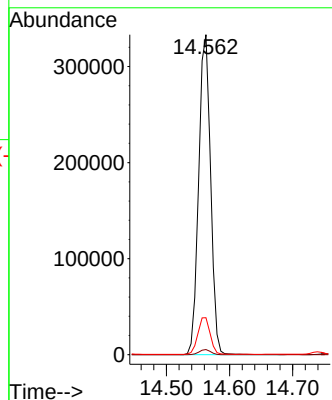
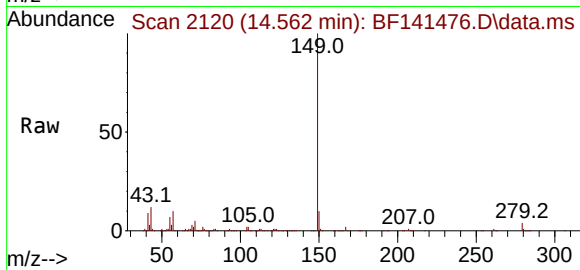




#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

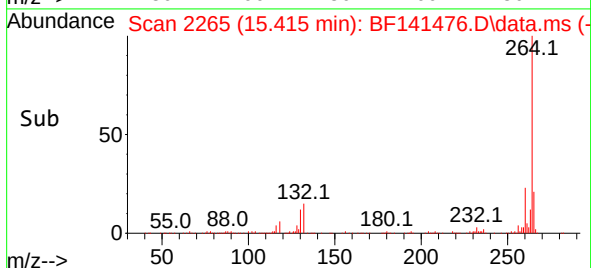
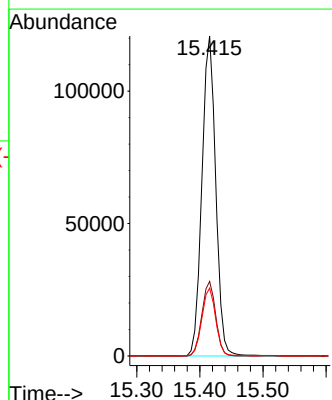
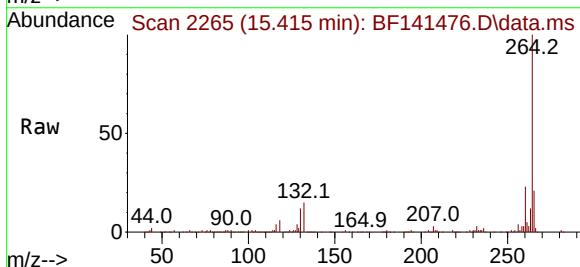
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

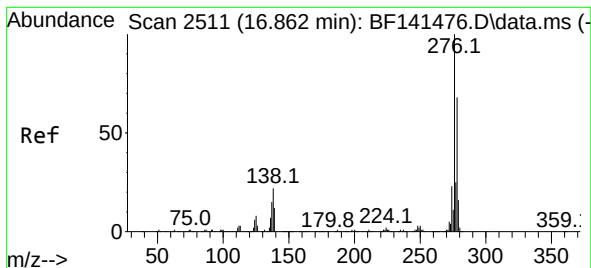
Tgt Ion:149 Resp: 435142
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.5 14.3



#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:264 Resp: 182907
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# 2194

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

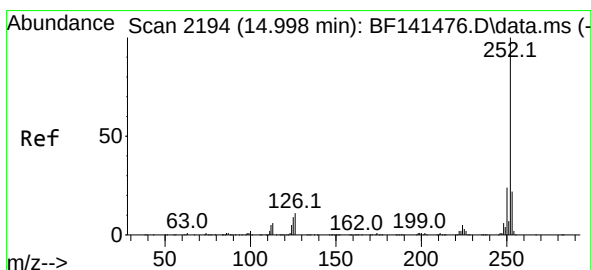
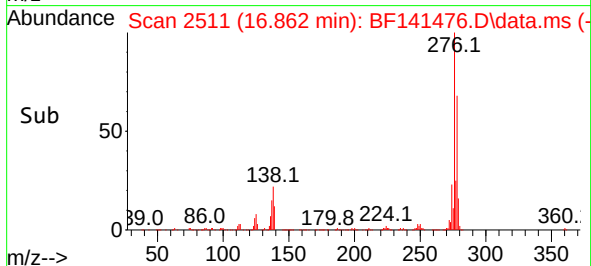
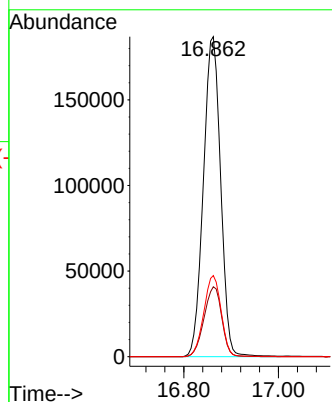
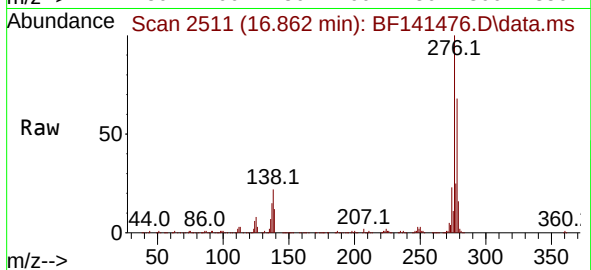
Tgt Ion:276 Resp: 471272

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

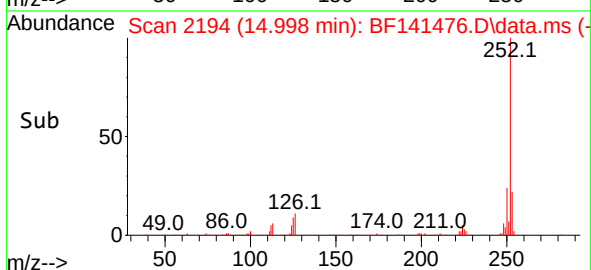
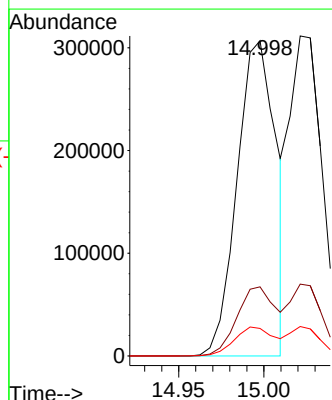
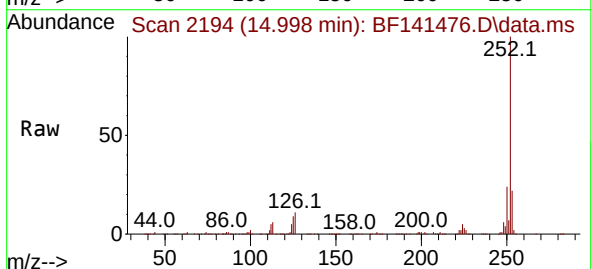
Tgt Ion:252 Resp: 488585

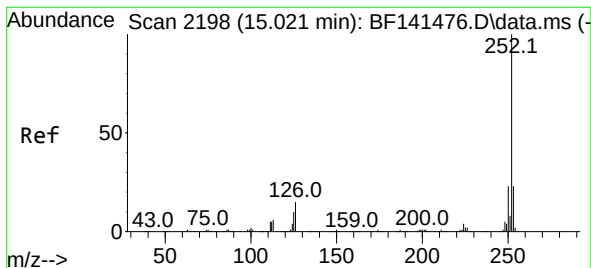
Ion Ratio Lower Upper

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

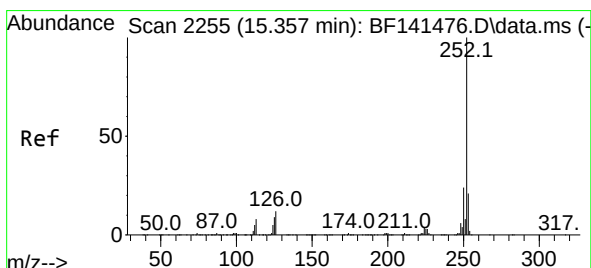
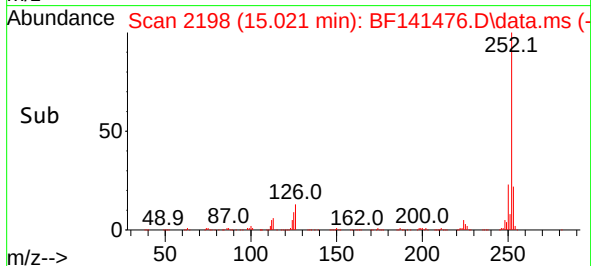
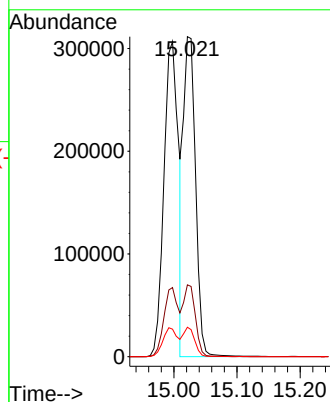
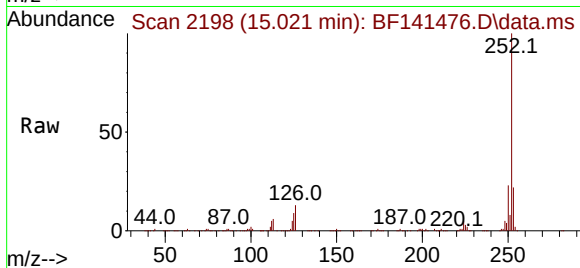
Tgt Ion:252 Resp: 417770

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

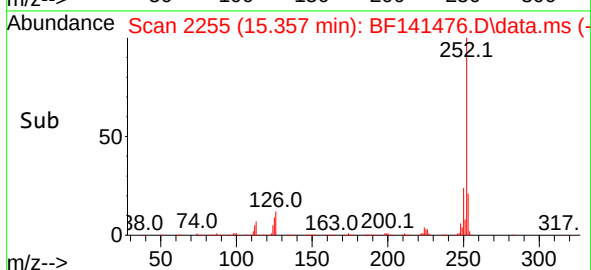
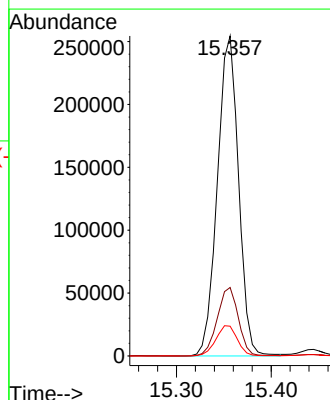
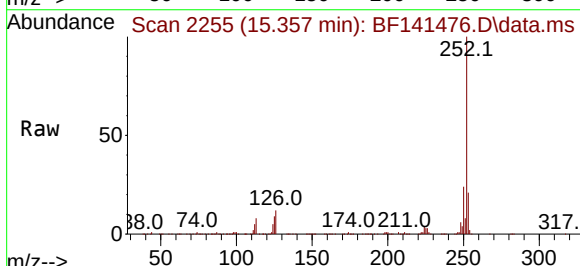
Tgt Ion:252 Resp: 395193

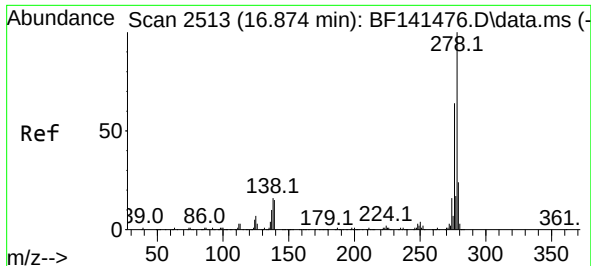
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 9.3 7.4 11.2

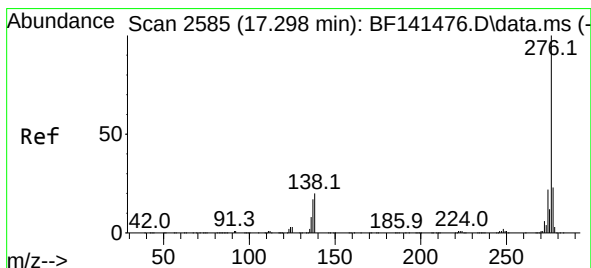
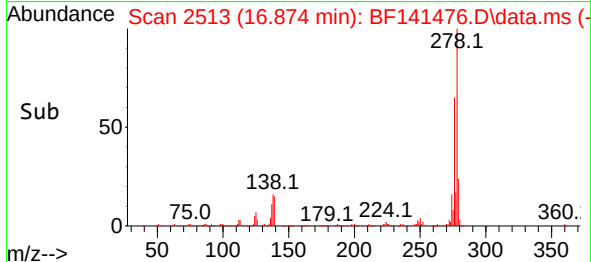
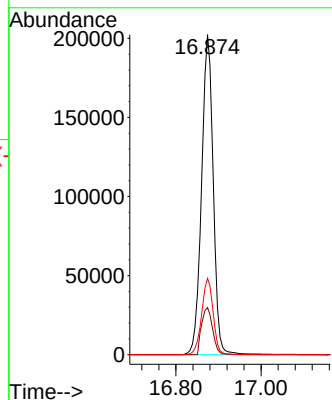
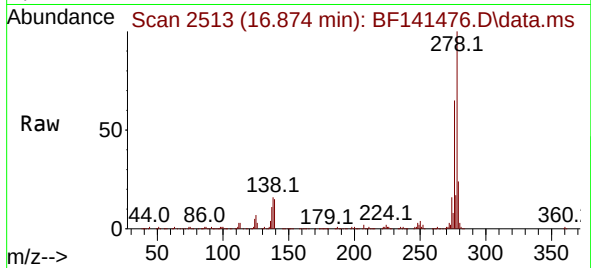




#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

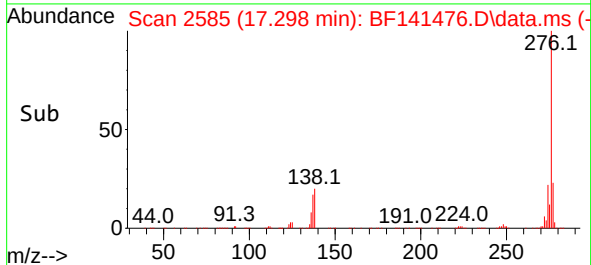
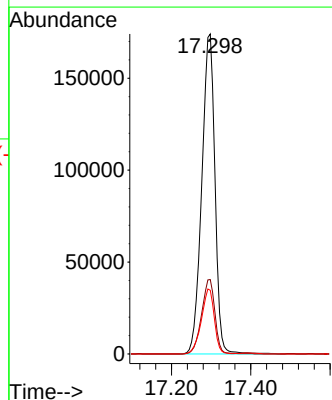
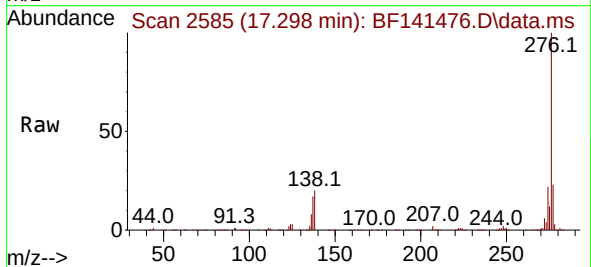
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

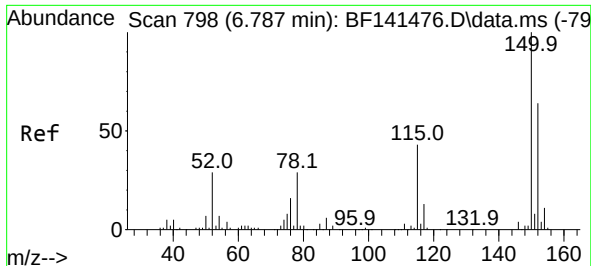
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	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

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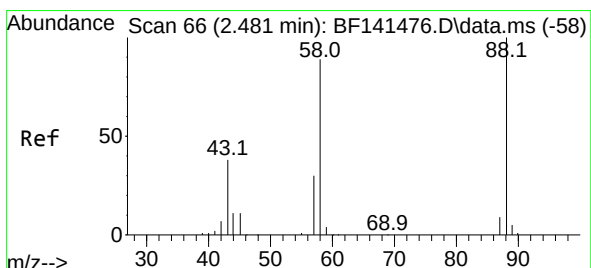
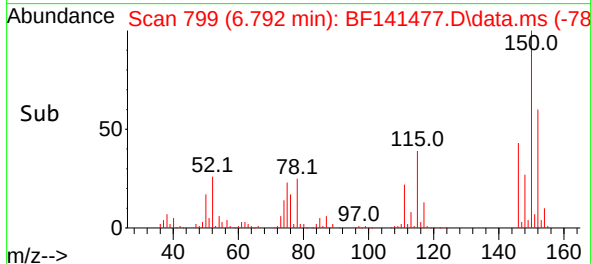
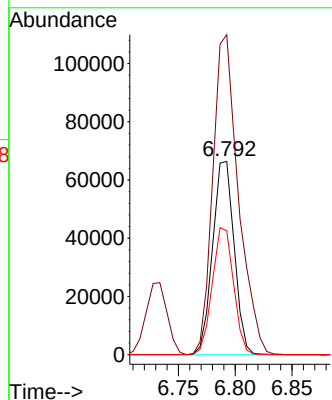
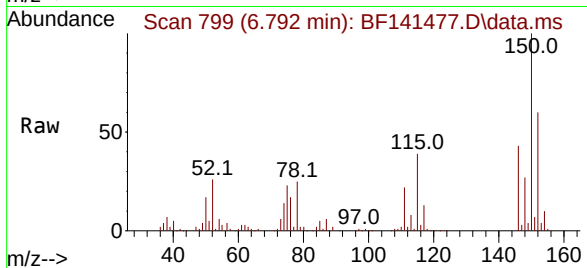
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BF141477.D
 Acq: 06 Feb 2025 13:21

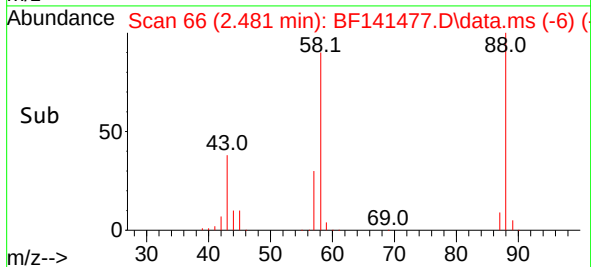
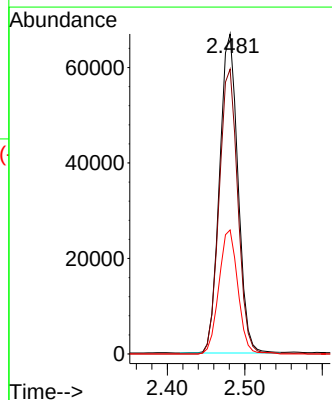
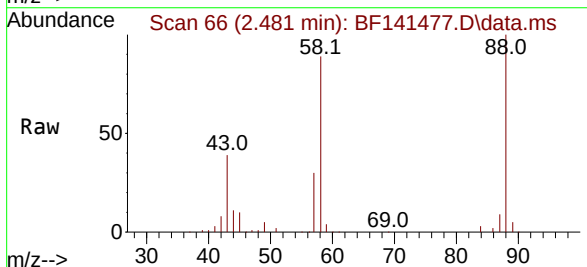
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

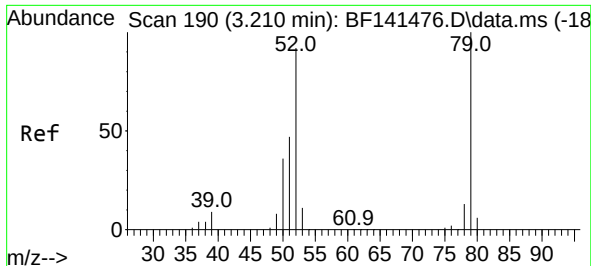
Tgt Ion:152 Resp: 87860
 Ion Ratio Lower Upper
 152 100
 150 165.6 125.0 187.4
 115 64.1 53.6 80.4



#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

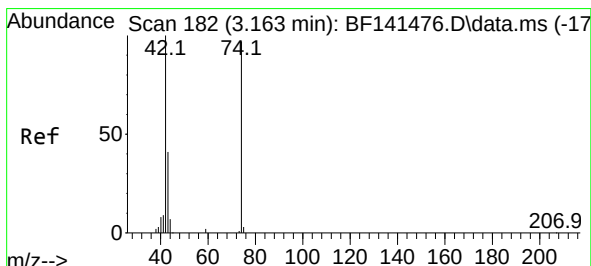
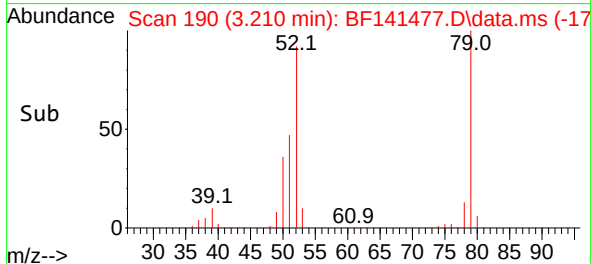
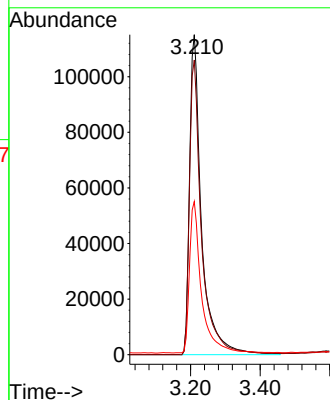
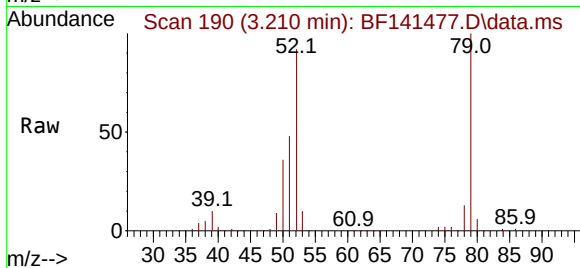




#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

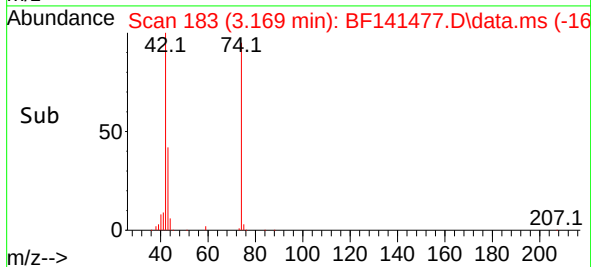
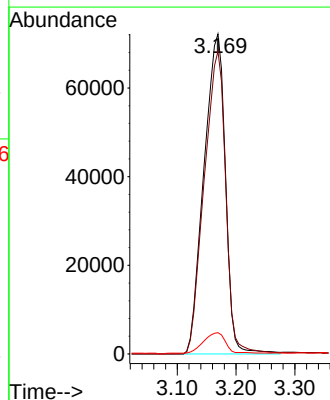
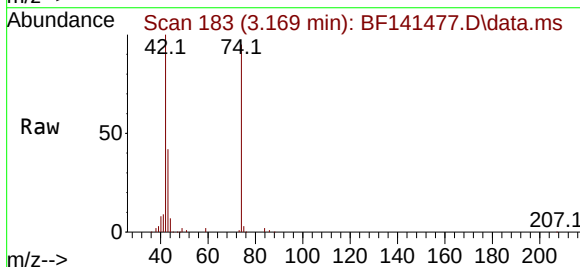
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

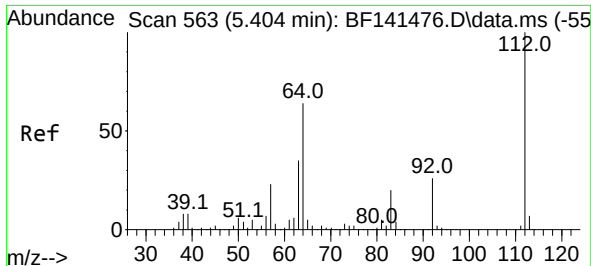
Tgt Ion: 79 Resp: 275985
Ion Ratio Lower Upper
79 100
52 92.1 73.7 110.5
51 47.9 37.5 56.3



#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

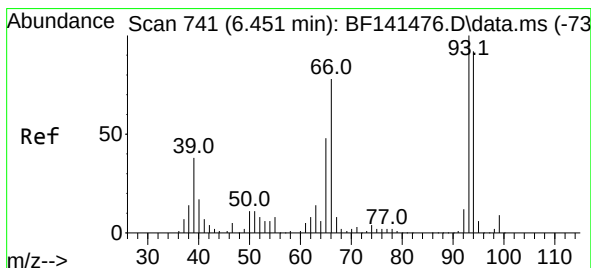
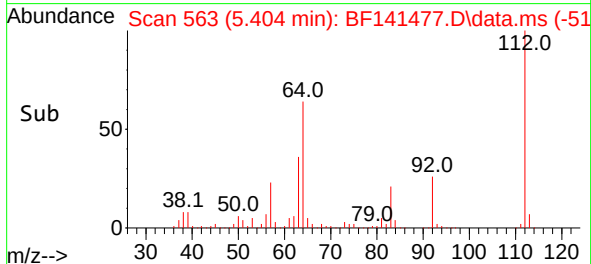
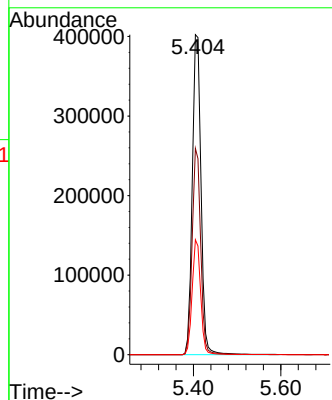
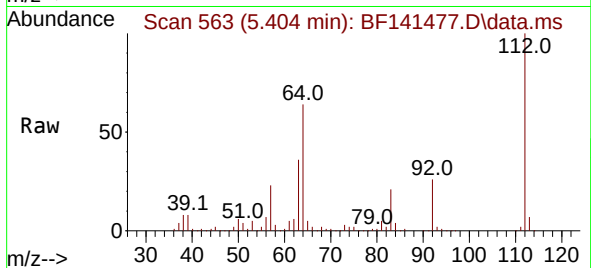




#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

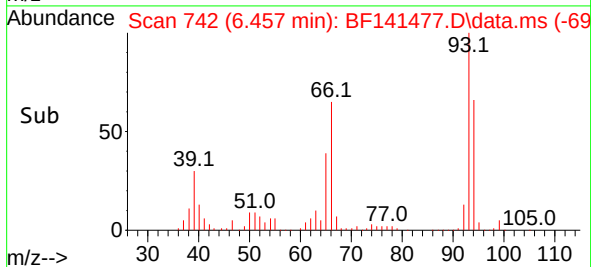
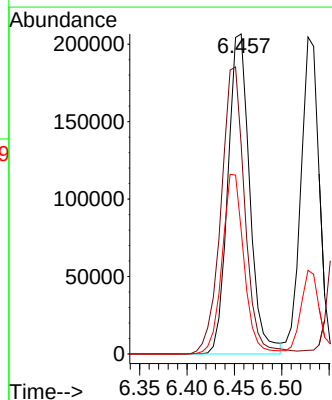
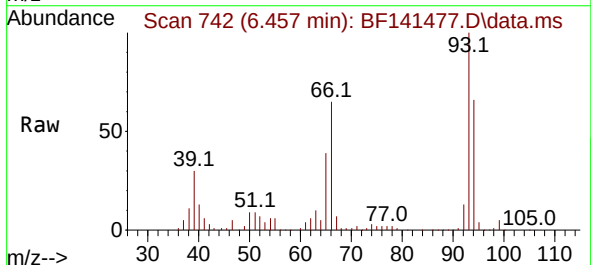
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

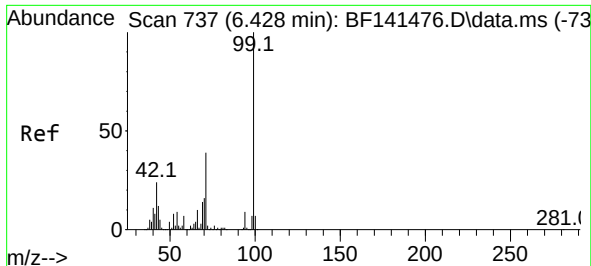
Tgt Ion:112 Resp: 559309
Ion Ratio Lower Upper
112 100
64 64.4 51.1 76.7
63 35.9 28.4 42.6



#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

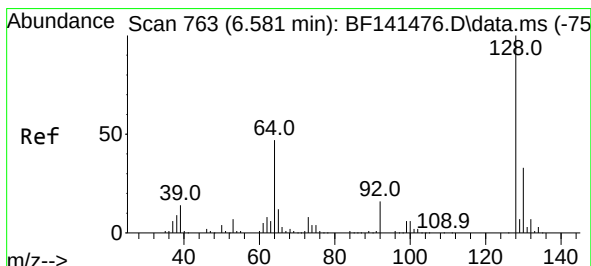
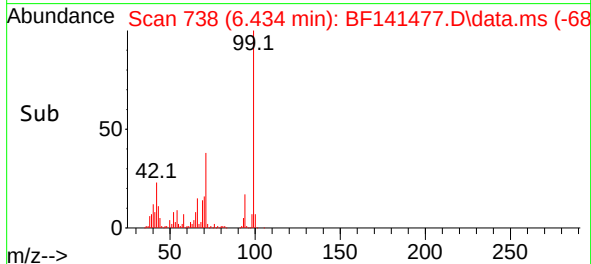
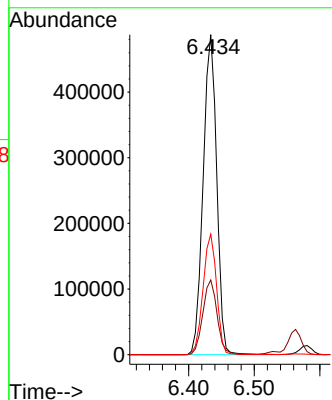
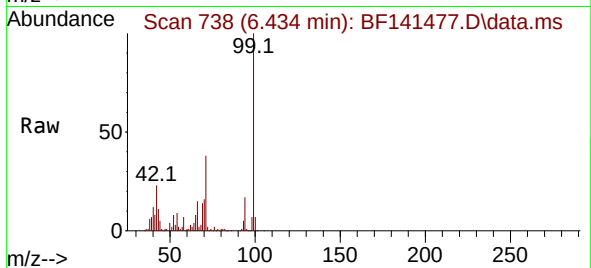




#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

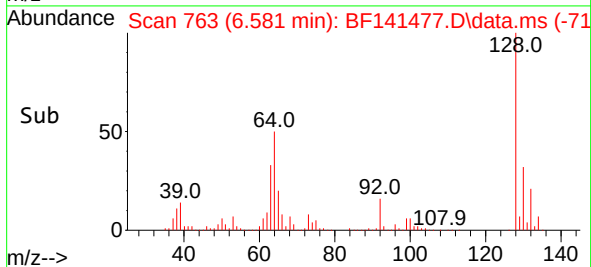
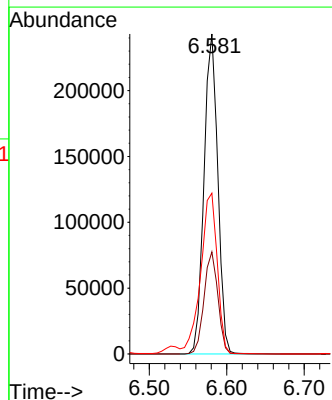
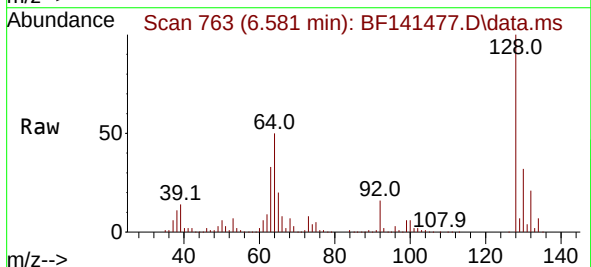
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

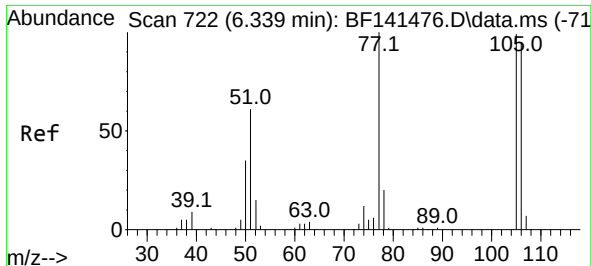
Tgt Ion: 99 Resp: 702435
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 37.6 31.1 46.7



#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

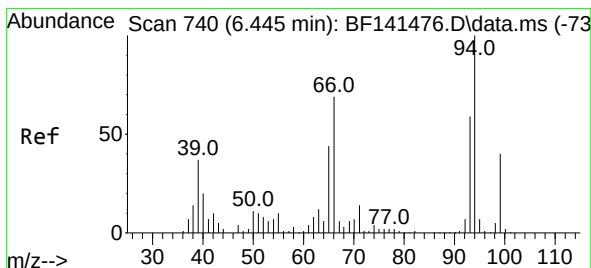
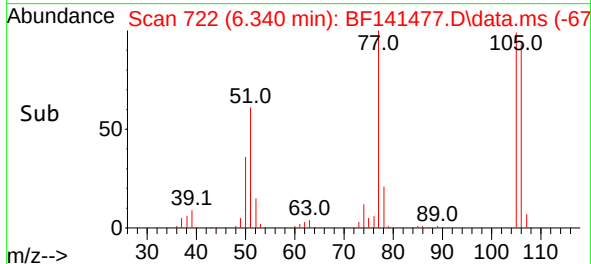
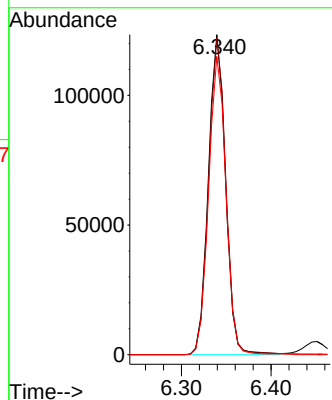
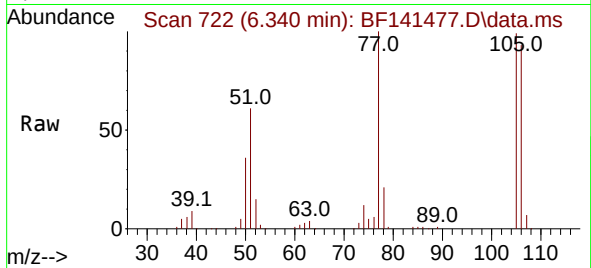




#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

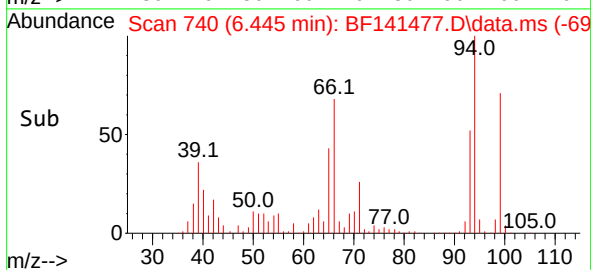
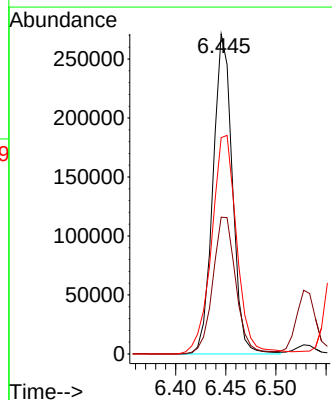
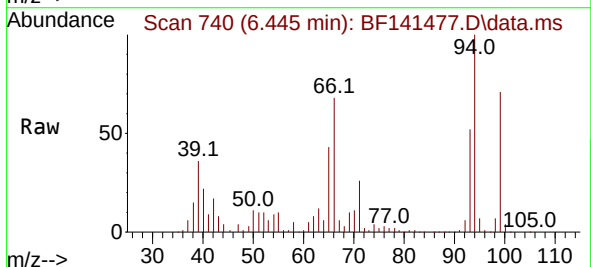
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

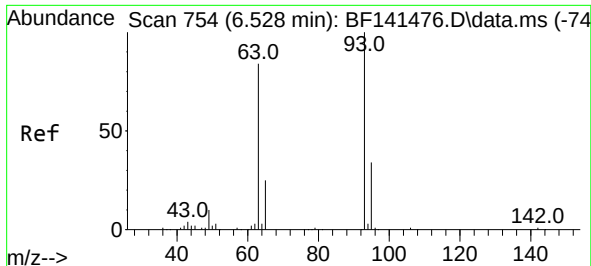
Tgt Ion: 77 Resp: 164133
Ion Ratio Lower Upper
77 100
105 98.9 79.4 119.4
106 93.2 75.1 115.1



#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

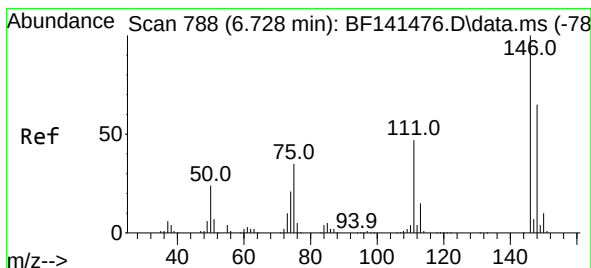
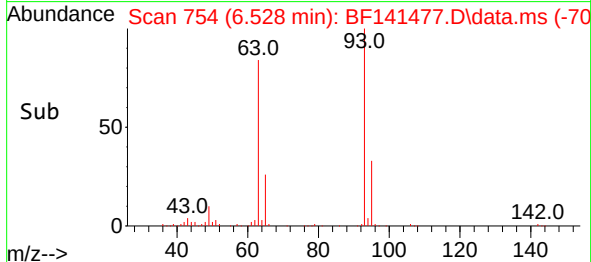
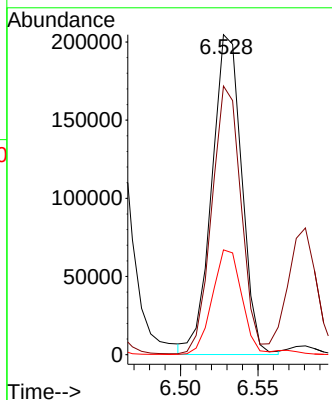
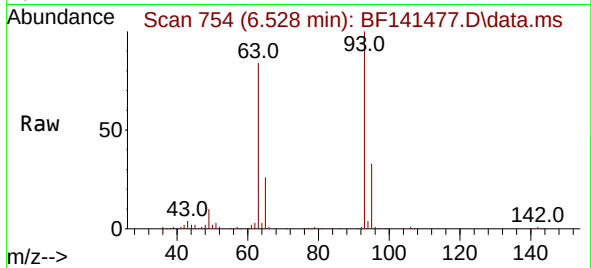




#11
 bis(2-Chloroethyl)ether
 Concen: 49.643 ng
 RT: 6.528 min Scan# 754
 Delta R.T. -0.006 min
 Lab File: BF141477.D
 Acq: 06 Feb 2025 13:21

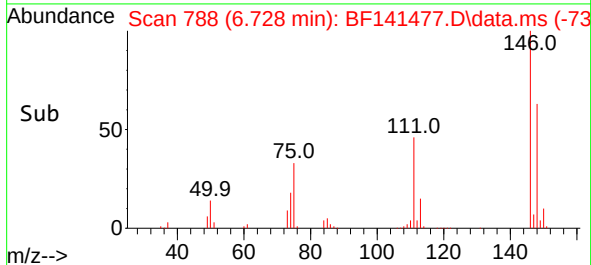
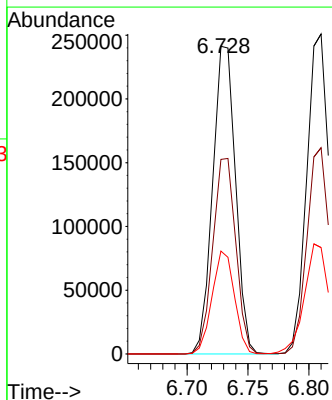
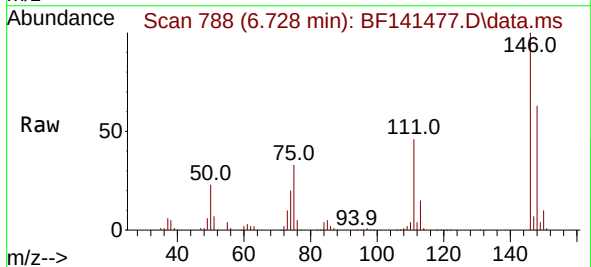
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

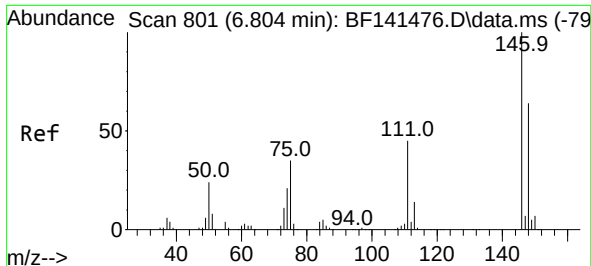
Tgt Ion: 93 Resp: 274892
 Ion Ratio Lower Upper
 93 100
 63 83.9 62.0 102.0
 95 32.8 12.6 52.6



#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

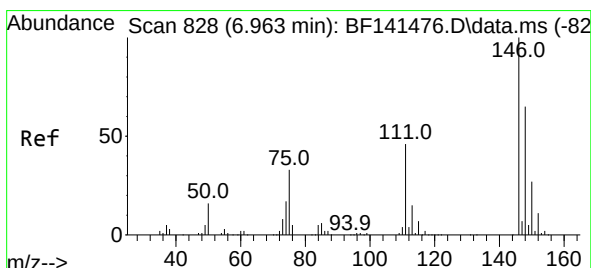
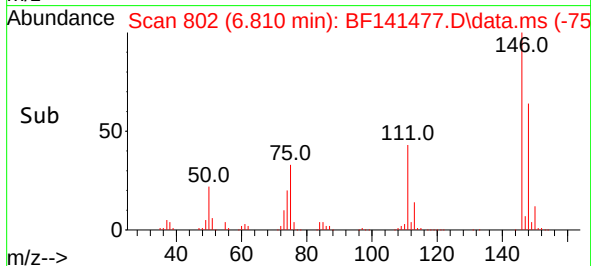
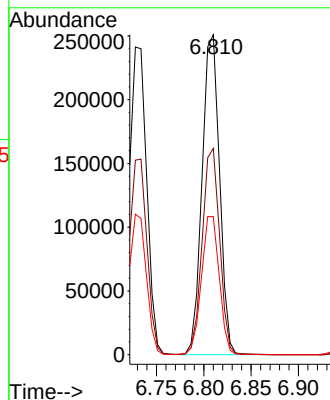
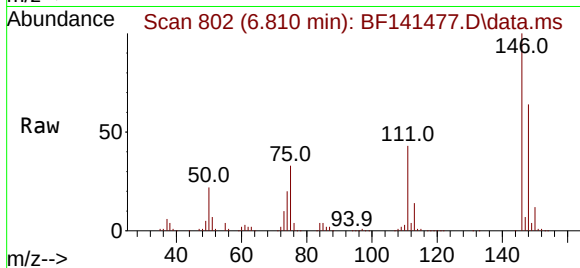
Tgt Ion:146 Resp: 321786

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

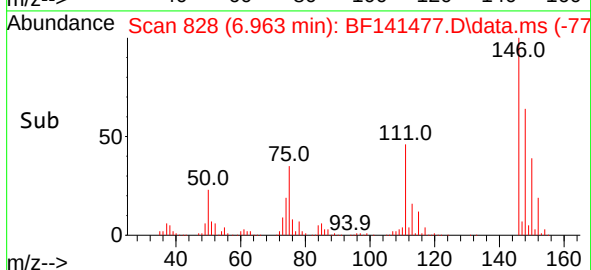
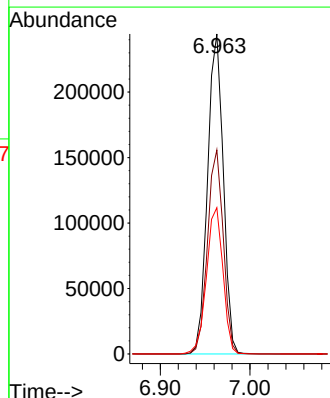
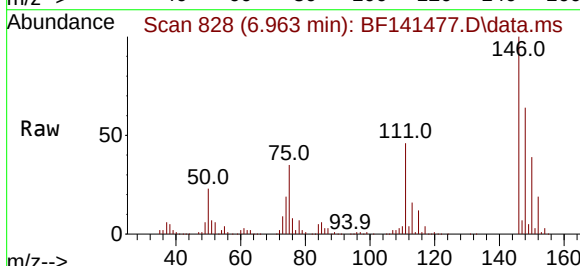
Tgt Ion:146 Resp: 296834

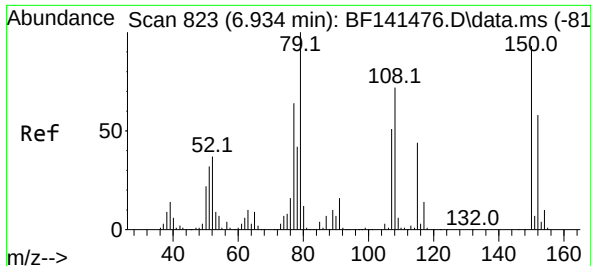
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

111 45.7 37.0 55.4

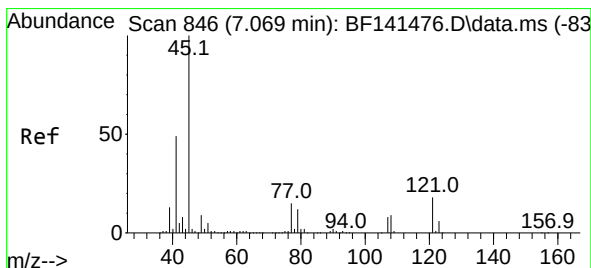
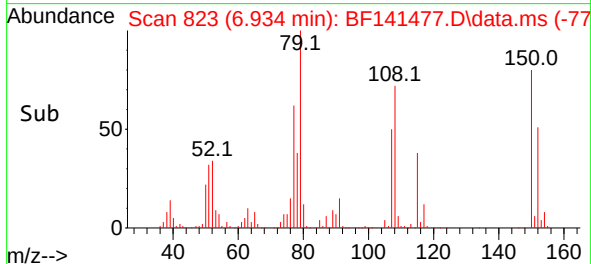
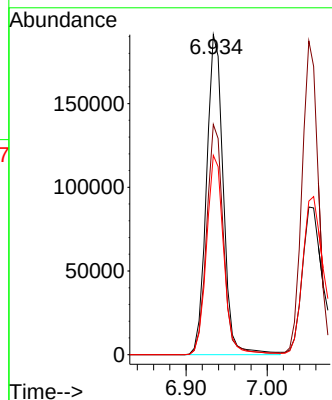
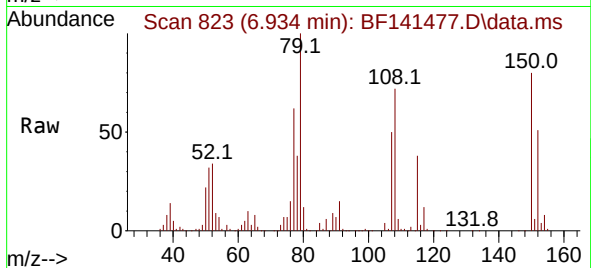




#15
Benzyl Alcohol
Concen: 50.451 ng
RT: 6.934 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

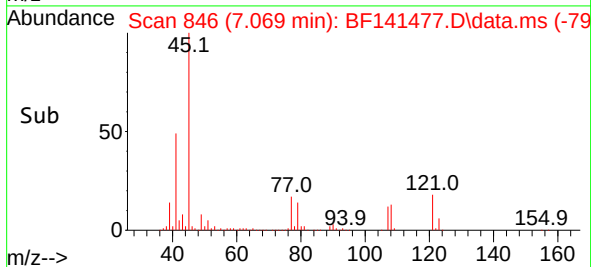
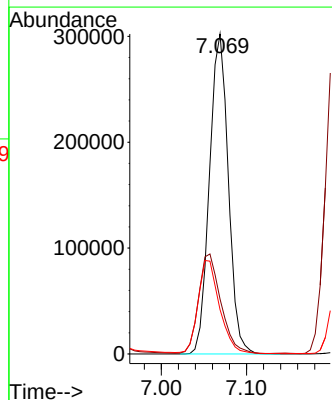
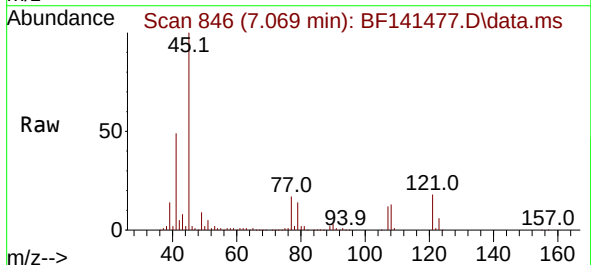
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

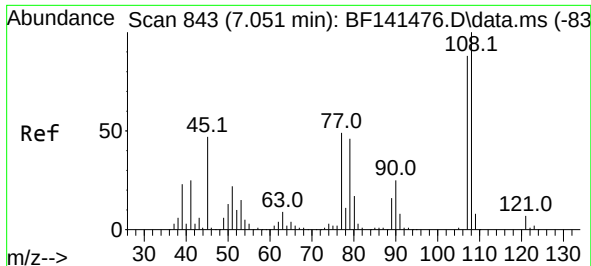
Tgt Ion: 79 Resp: 274040
Ion Ratio Lower Upper
79 100
108 71.9 57.4 86.2
77 62.3 50.9 76.3



#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

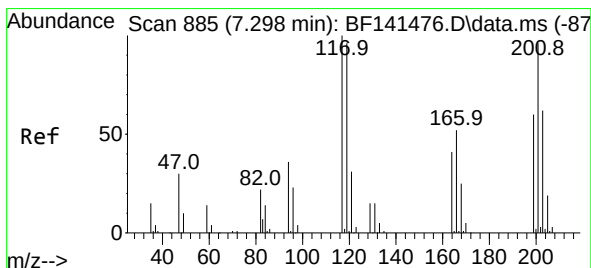
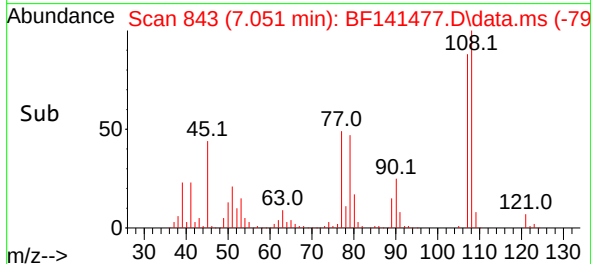
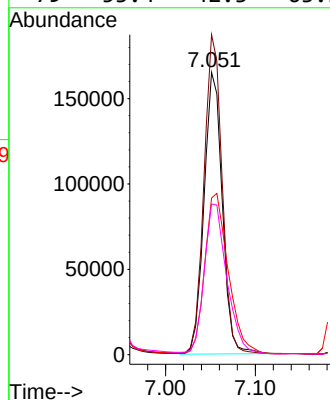
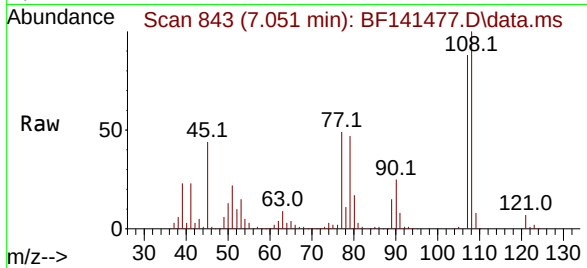




#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

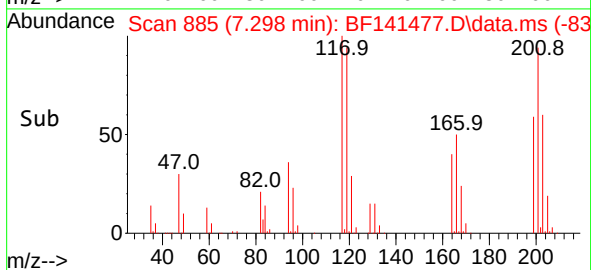
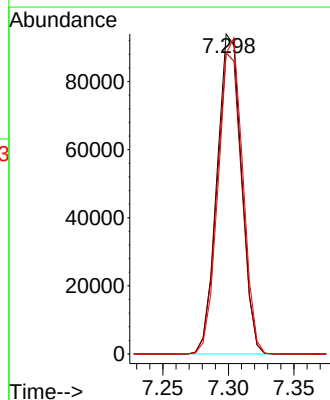
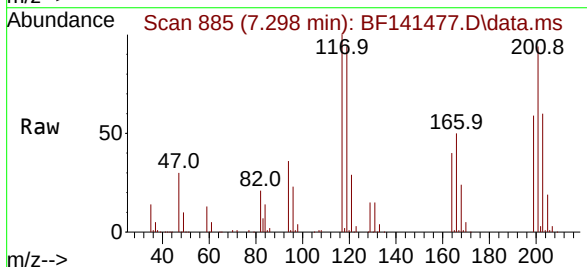
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

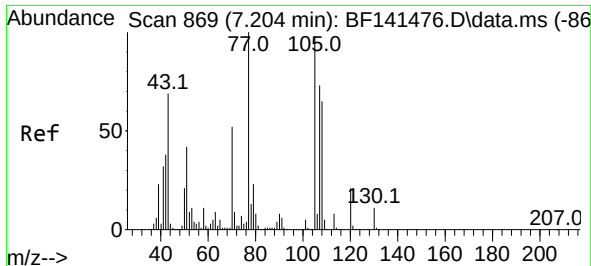
Tgt	Ion:107	Resp:	232571
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.4	44.4	66.6
79	53.4	42.3	63.5



#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

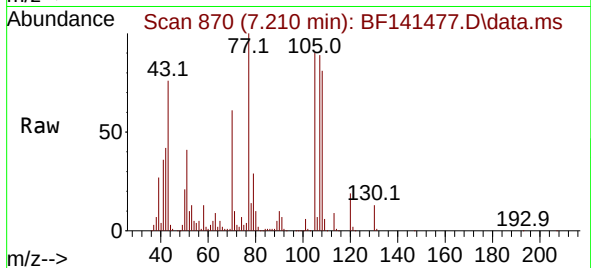
Tgt	Ion:117	Resp:	122071
Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
201	93.8	76.7	115.1





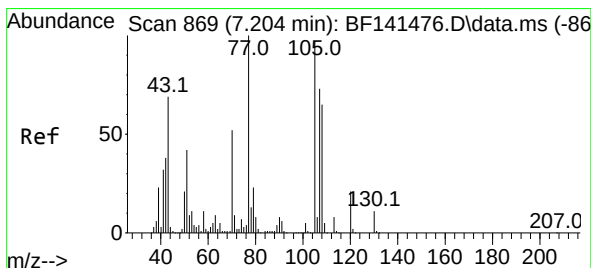
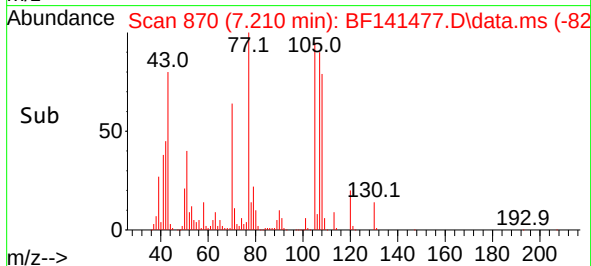
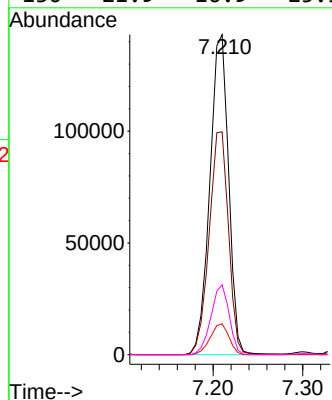
#19
n-Nitroso-di-n-propylamine
Concen: 49.072 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 207915

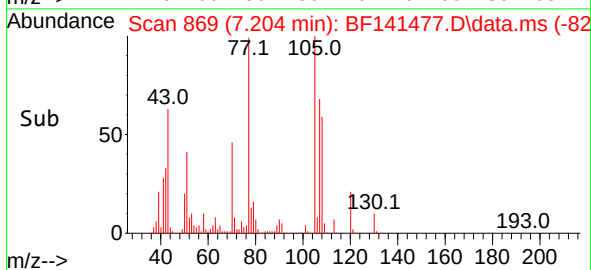
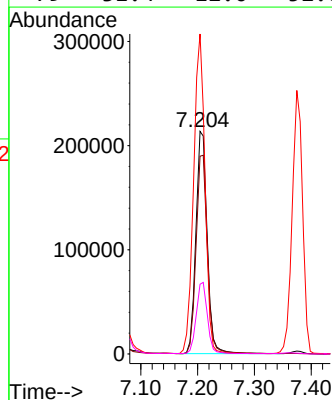
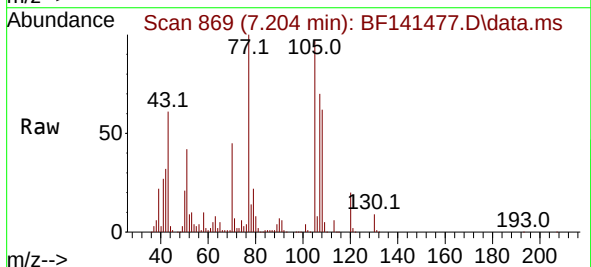
Ion	Ratio	Lower	Upper
70	100		
42	69.6	57.4	86.2
101	9.6	8.0	12.0
130	21.9	16.9	25.3

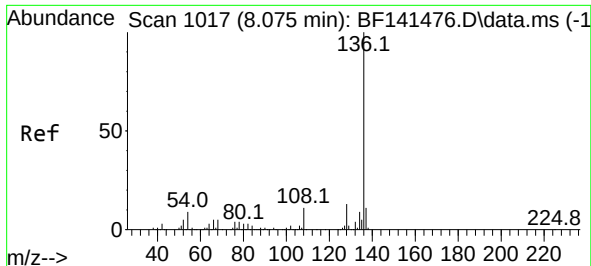


#20
3+4-Methylphenols
Concen: 49.011 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

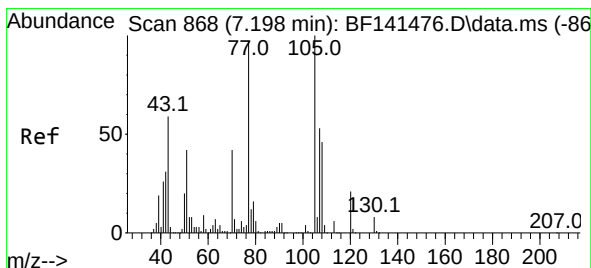
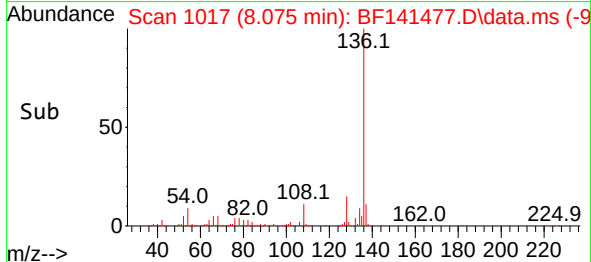
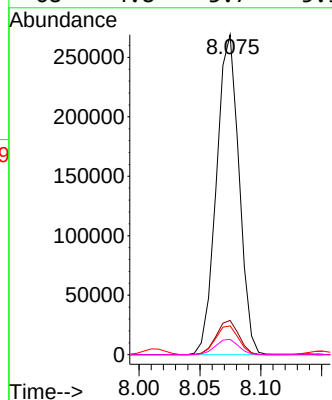
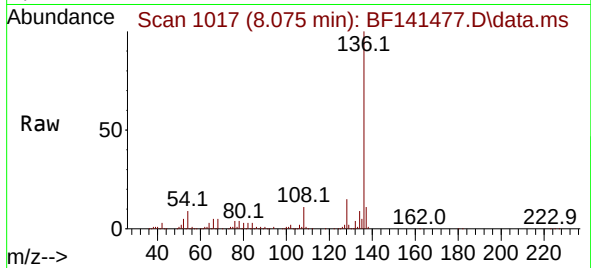




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

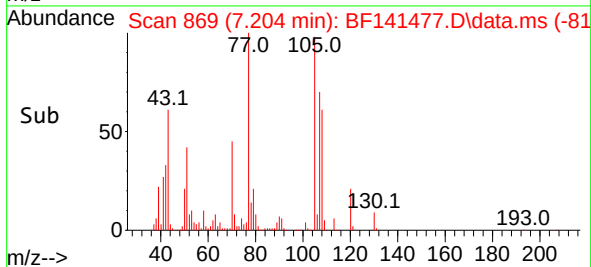
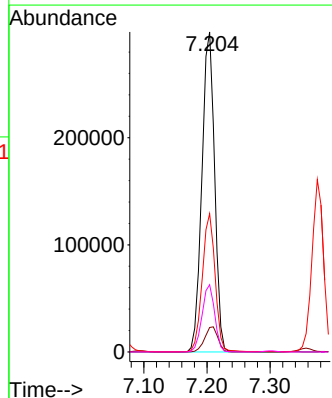
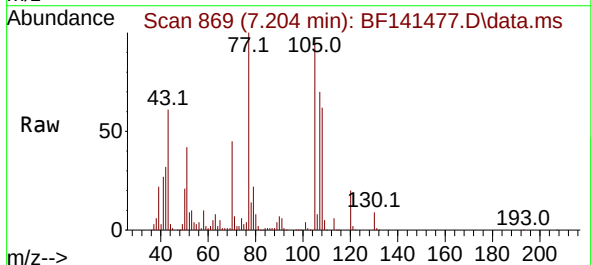
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

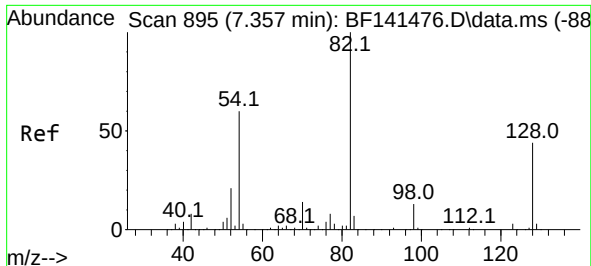
Tgt Ion:136 Resp: 347298
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.2 10.8
68 4.8 3.7 5.5



#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

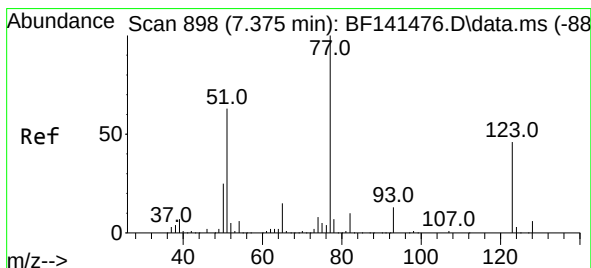
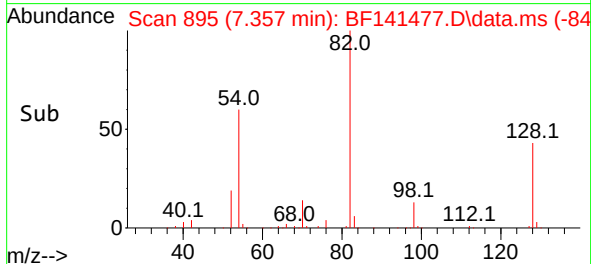
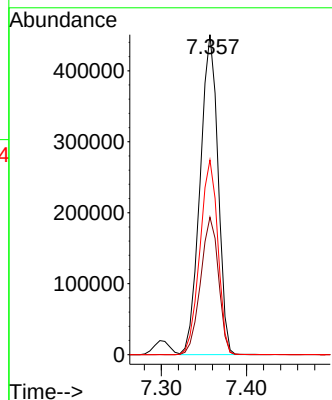
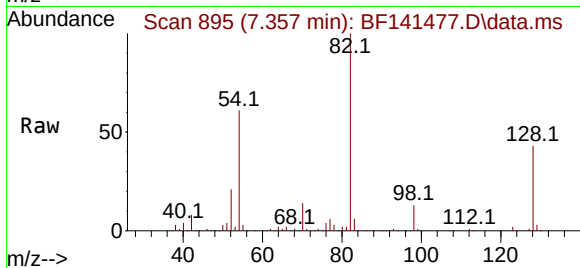
Tgt Ion: 82 Resp: 657106

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

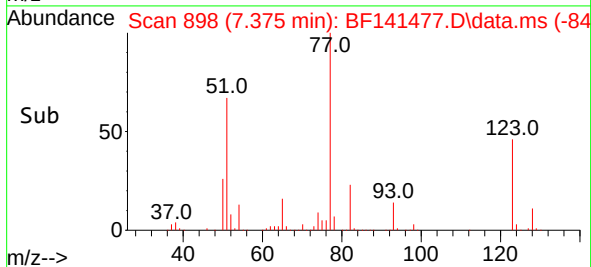
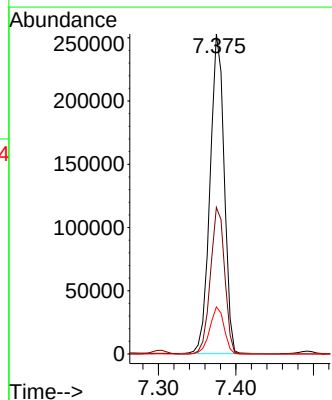
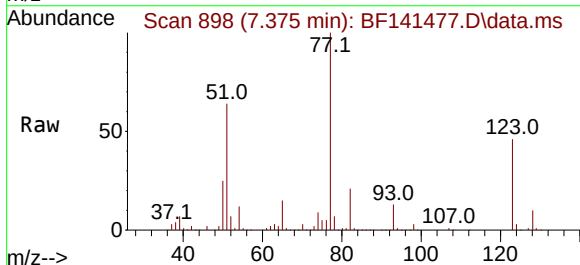
Tgt Ion: 77 Resp: 320155

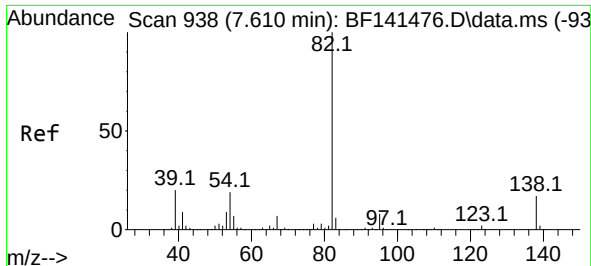
Ion Ratio Lower Upper

77 100

123 45.8 36.9 55.3

65 14.7 11.9 17.9

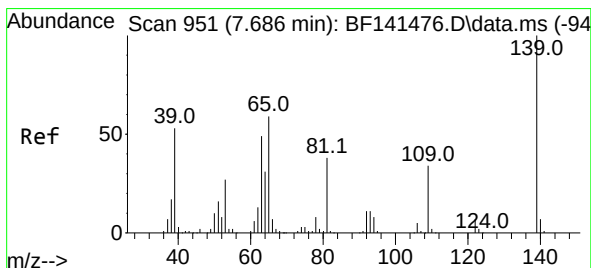
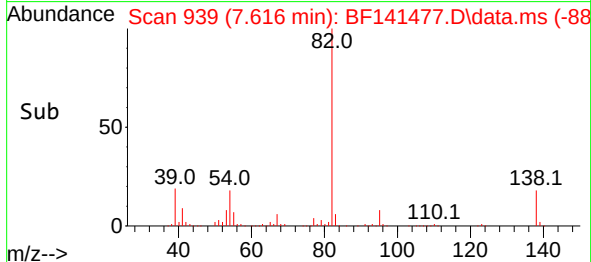
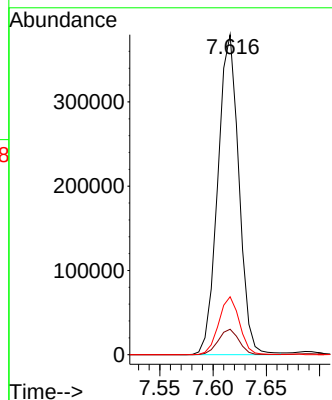
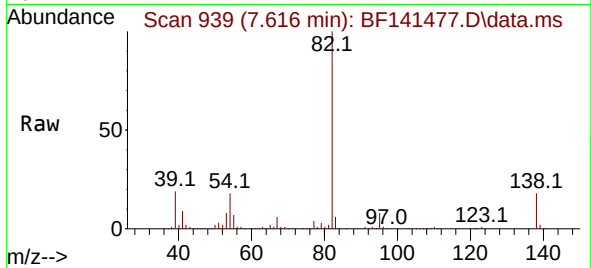




#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

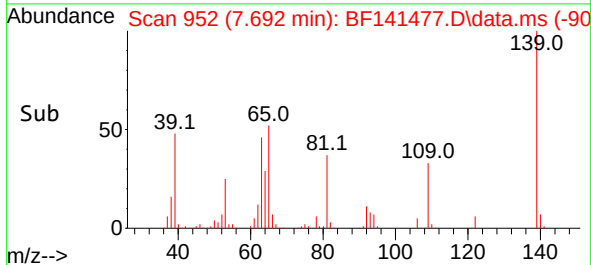
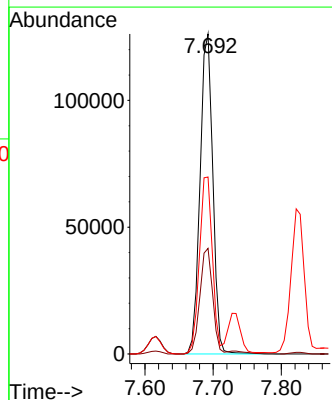
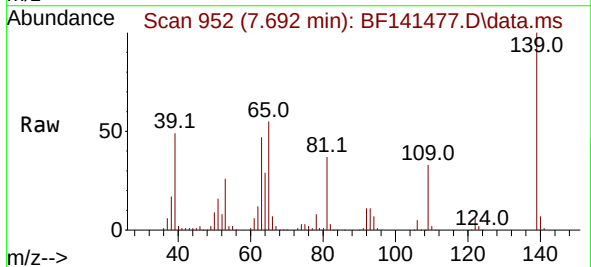
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

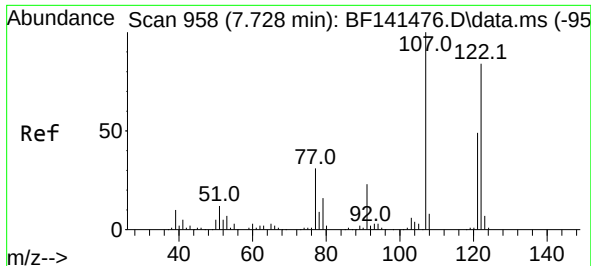
Tgt Ion: 82 Resp: 521533
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.1 13.9 20.9



#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

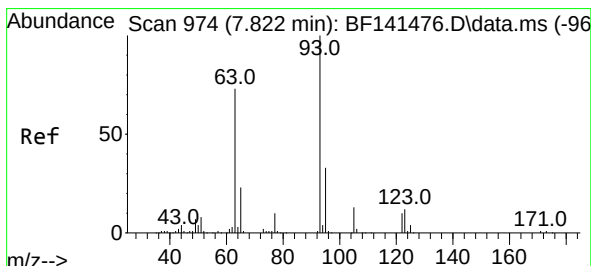
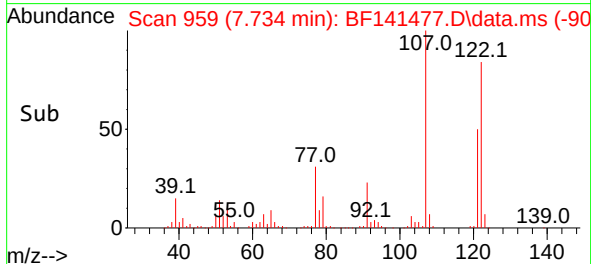
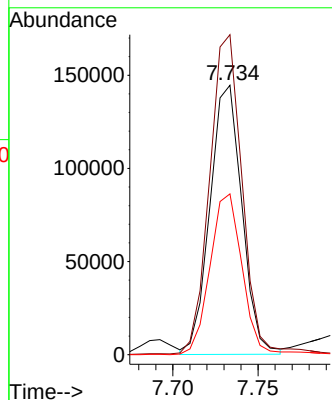
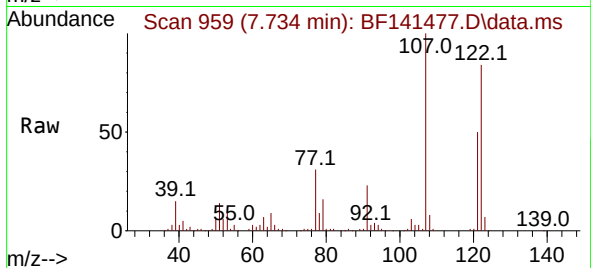




#27
2,4-Dimethylphenol
Concen: 50.093 ng
RT: 7.734 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

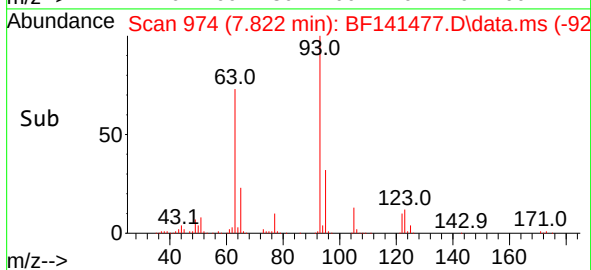
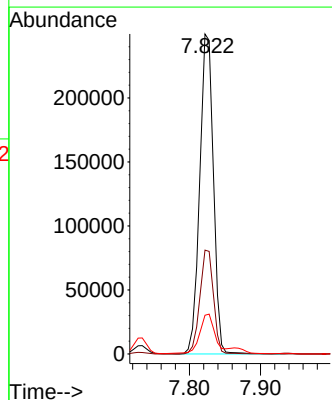
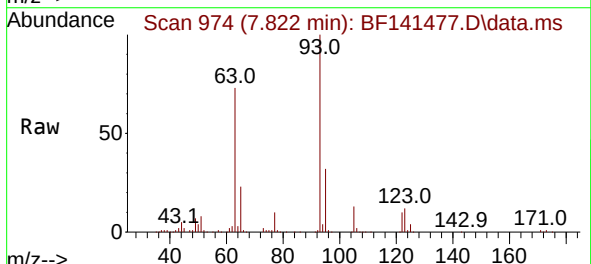
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

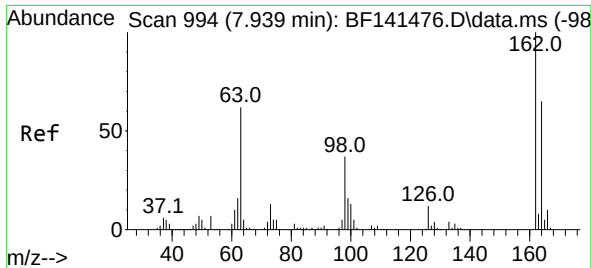
Tgt Ion:122 Resp: 189037
Ion Ratio Lower Upper
122 100
107 118.8 94.3 141.5
121 59.7 46.0 69.0



#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 :

SSTDICC050

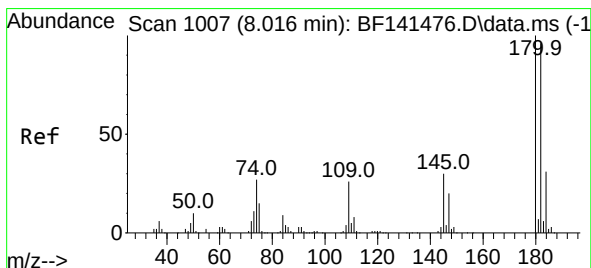
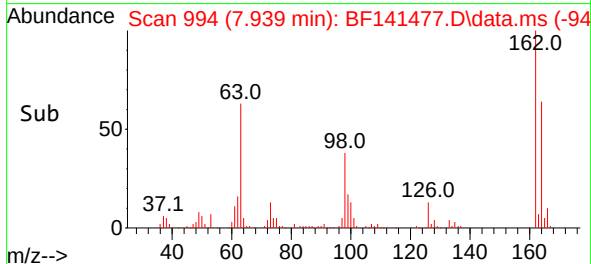
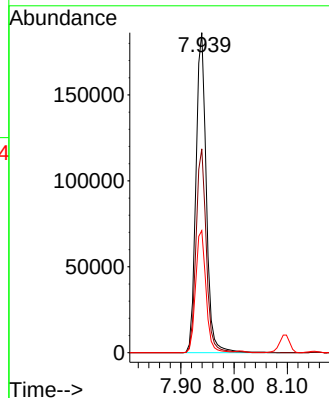
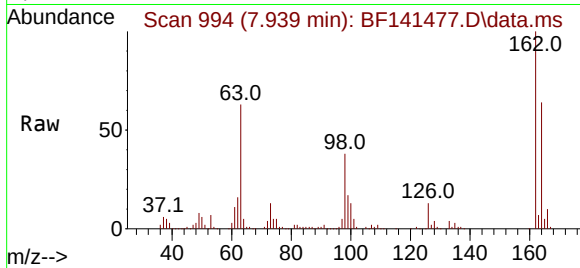
Tgt Ion:162 Resp: 251518

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

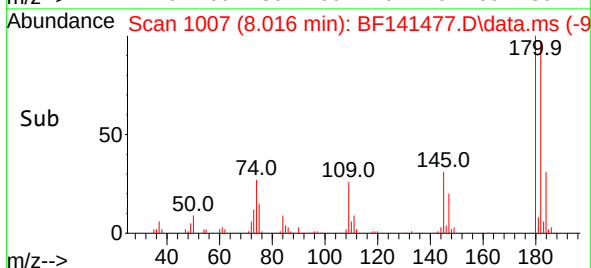
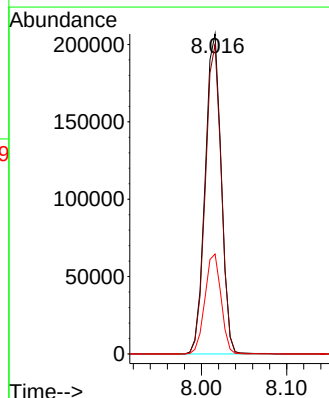
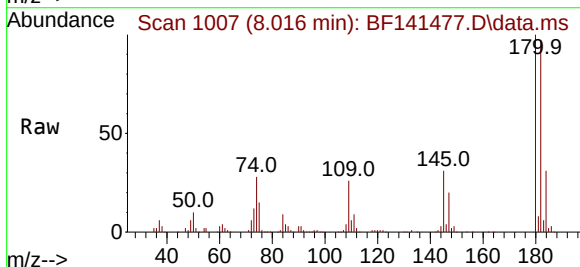
Tgt Ion:180 Resp: 270897

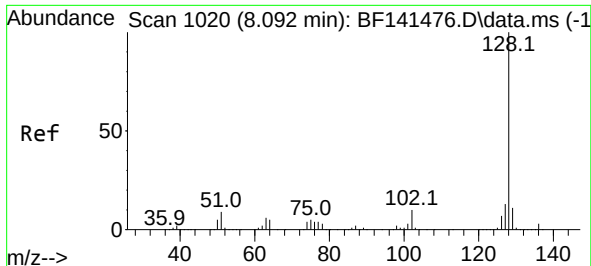
Ion Ratio Lower Upper

180 100

182 96.8 76.8 115.2

145 31.3 24.2 36.4

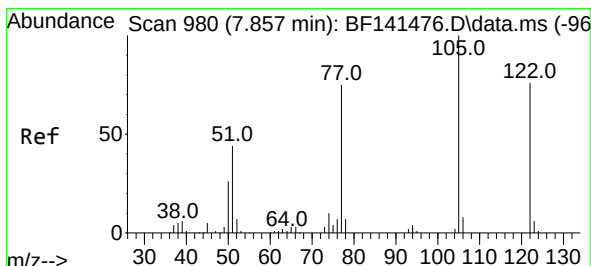
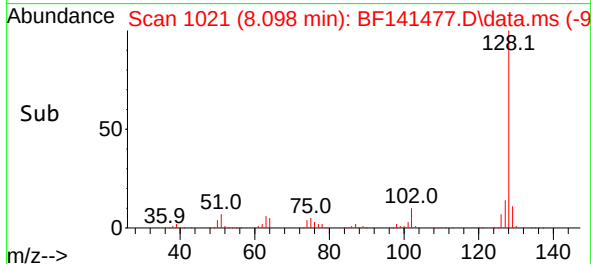
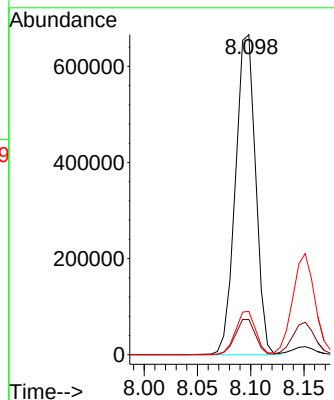
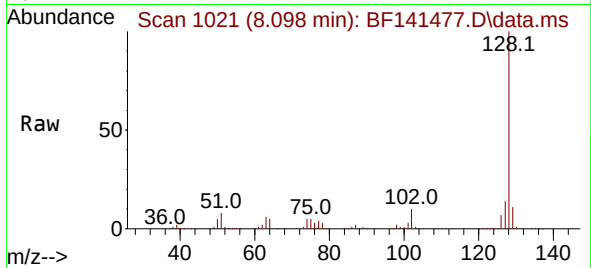




#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

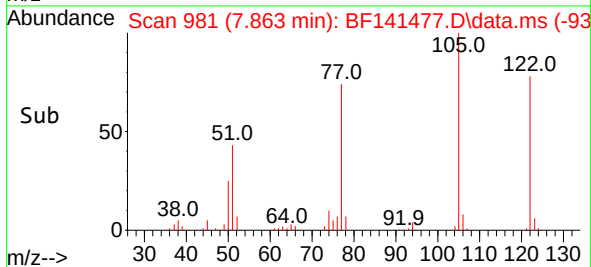
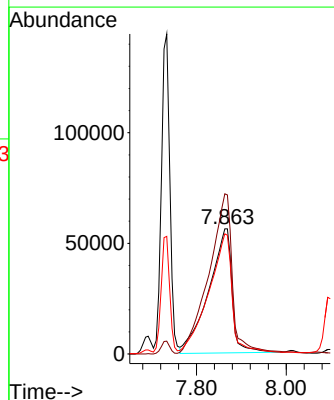
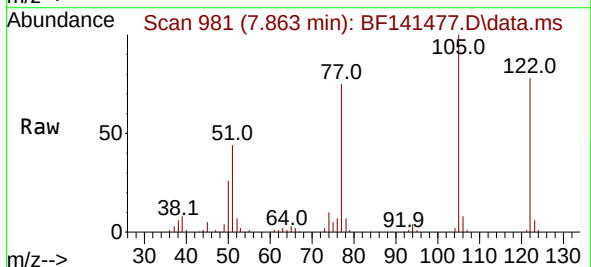
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

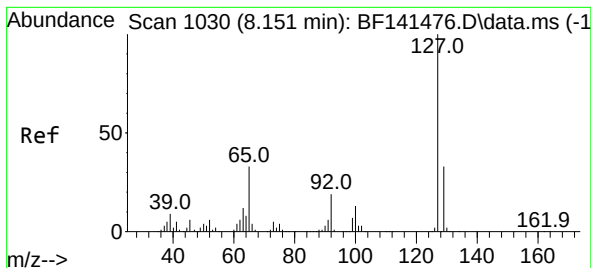
Tgt Ion:128 Resp: 878692
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.6 10.7 16.1



#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

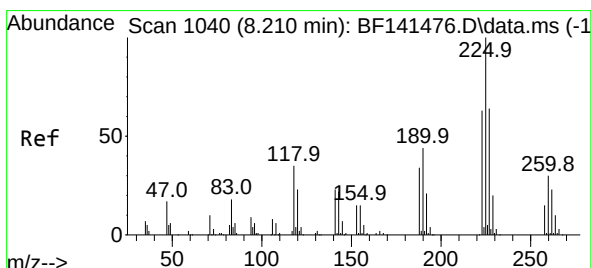
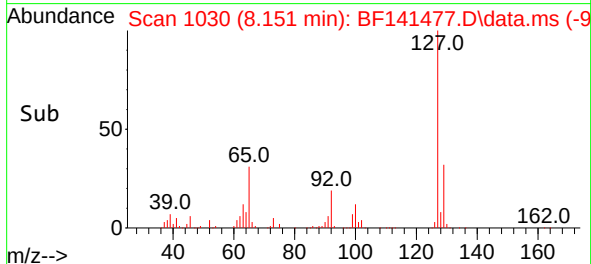
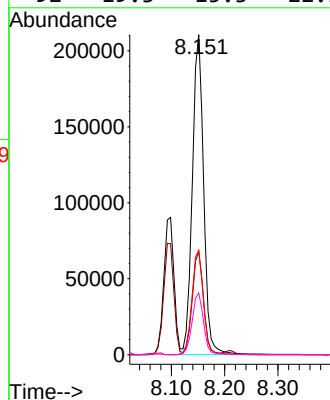
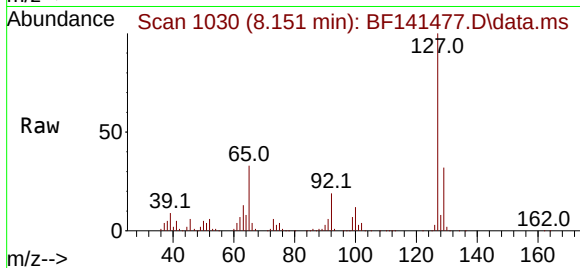




#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

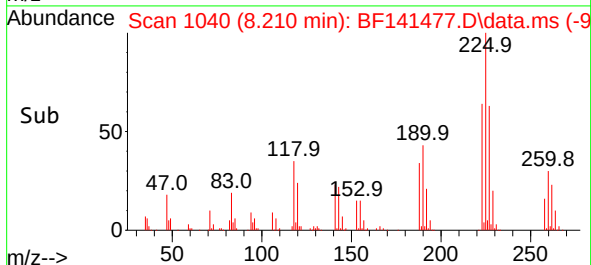
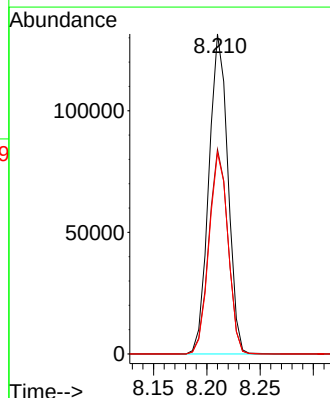
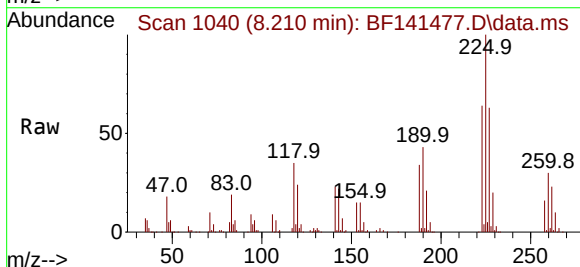
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

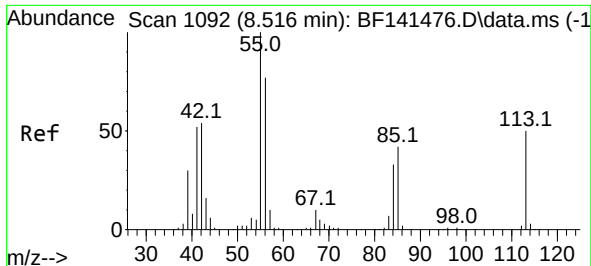
Tgt Ion:	127	Resp:	312251
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	32.6	26.4	39.6
92	19.3	15.3	22.9



#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

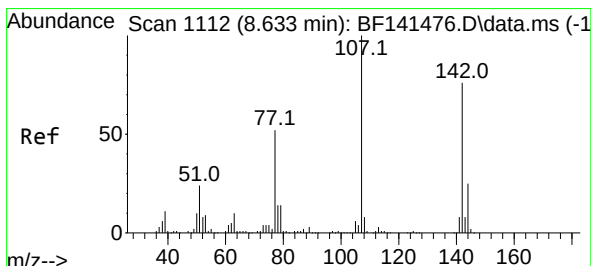
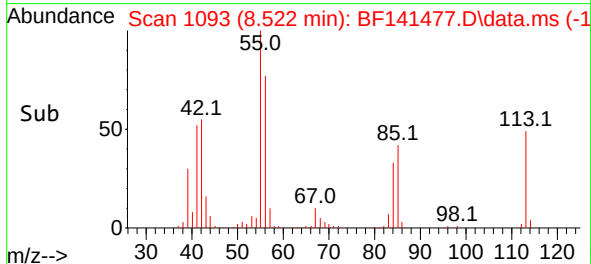
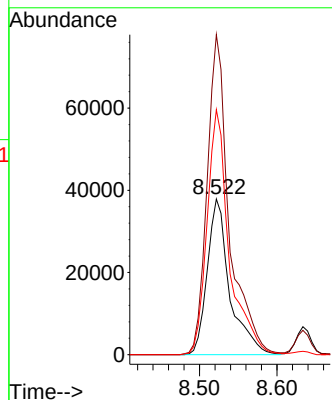
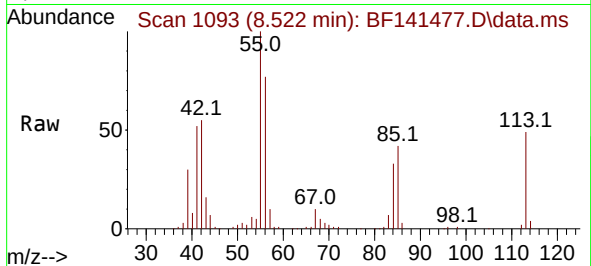




#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

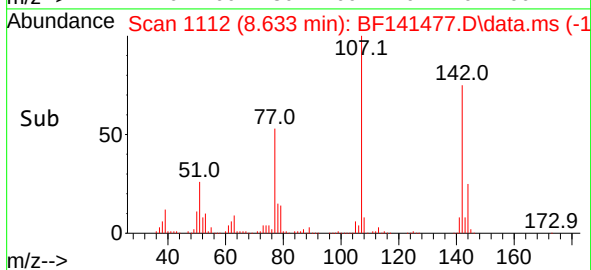
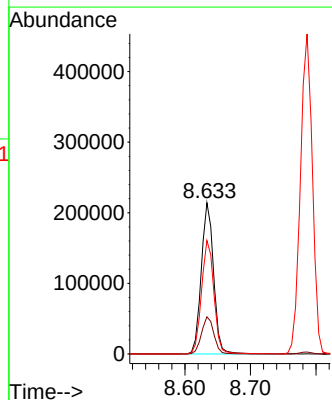
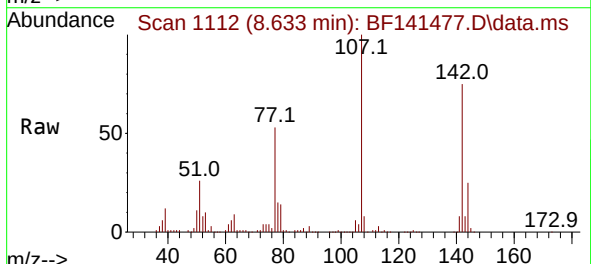
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

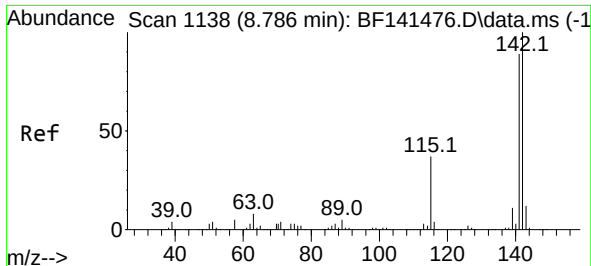
Tgt Ion:113 Resp: 76350
Ion Ratio Lower Upper
113 100
55 205.6 180.8 220.8
56 157.4 133.6 173.6



#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

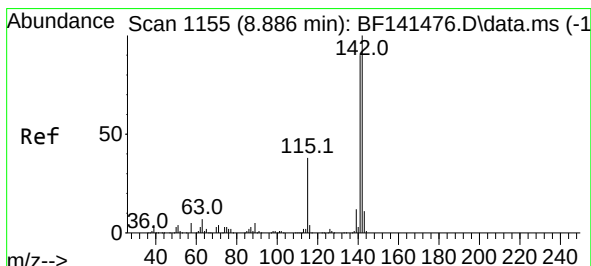
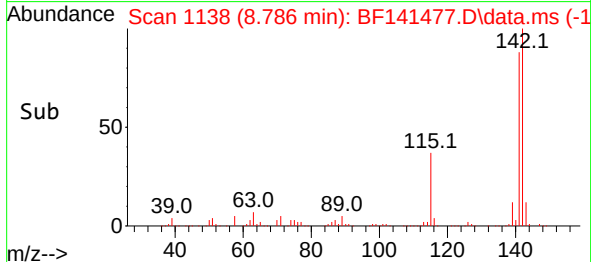
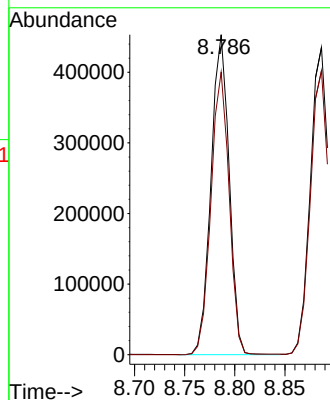
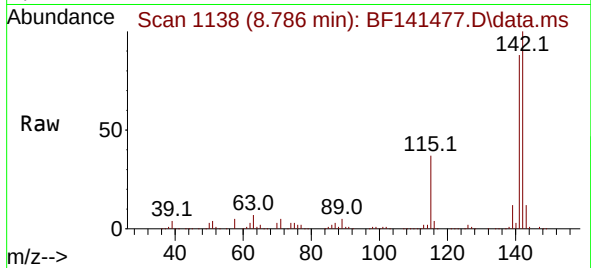




#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

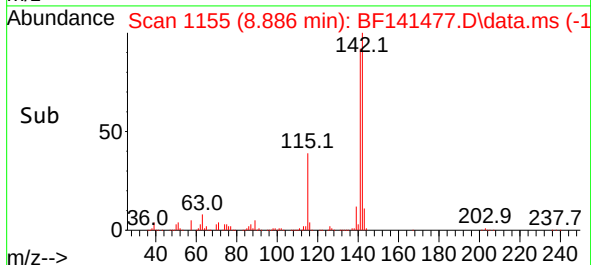
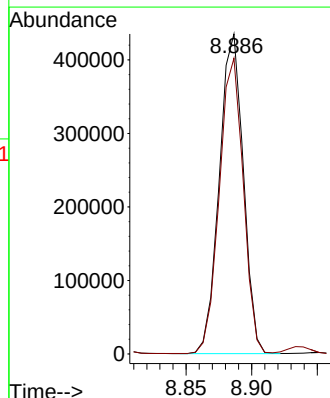
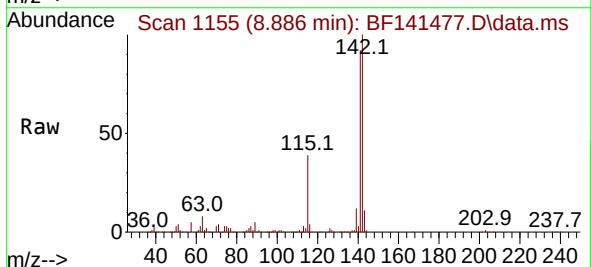
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

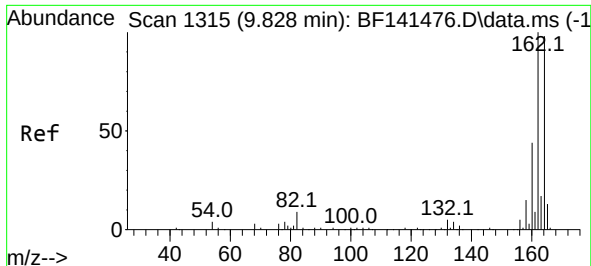
Tgt Ion:142 Resp: 572244
Ion Ratio Lower Upper
142 100
141 88.3 71.2 106.8



#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

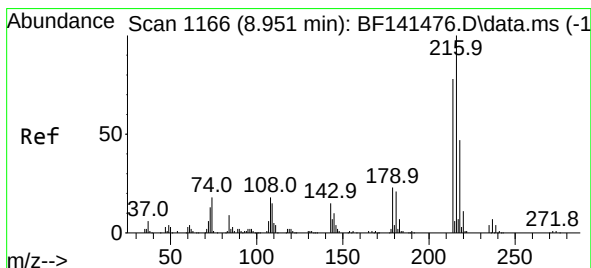
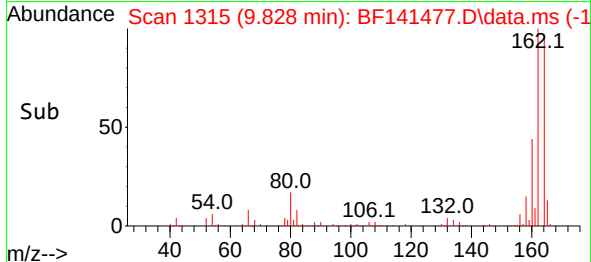
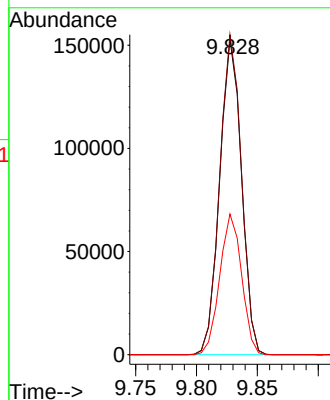
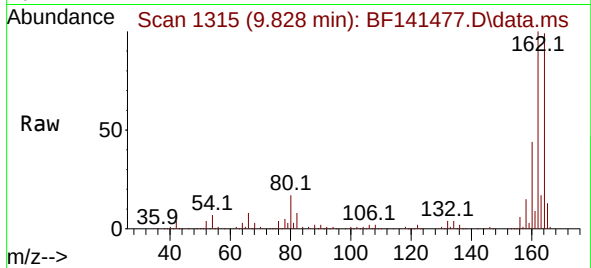




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

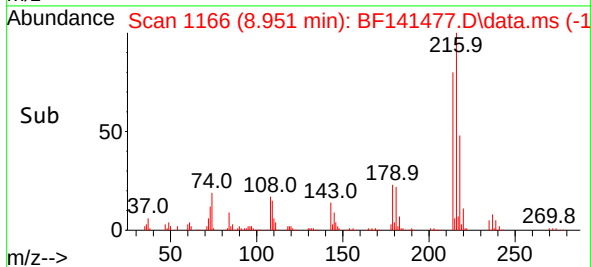
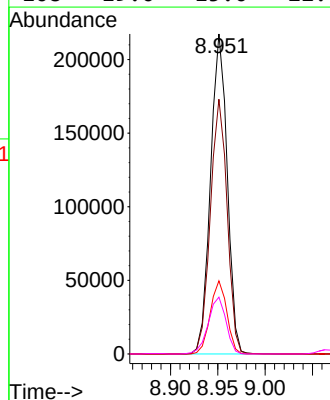
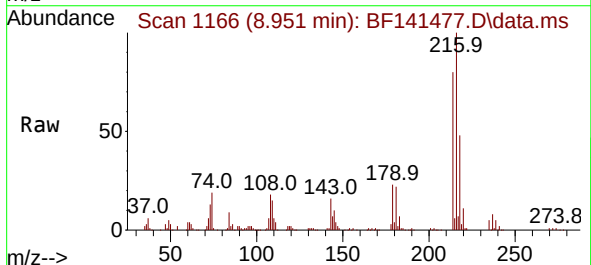
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

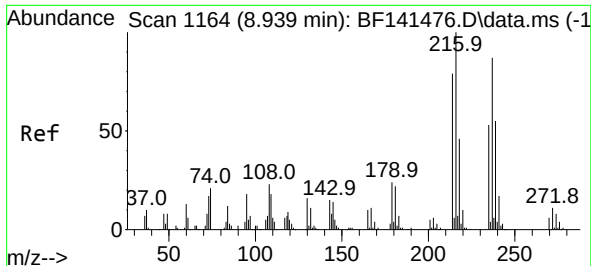
Tgt Ion:164 Resp: 190523
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 44.6 35.9 53.9



#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

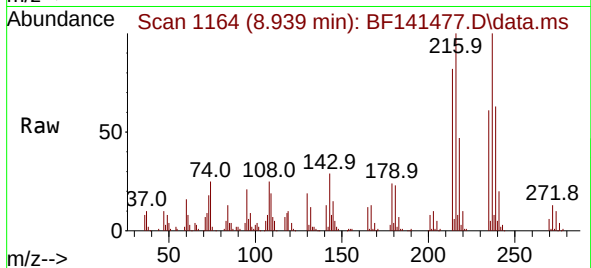
Tgt Ion:216 Resp: 266614
Ion Ratio Lower Upper
216 100
214 80.0 62.3 93.5
179 22.7 18.0 27.0
108 19.0 15.0 22.6



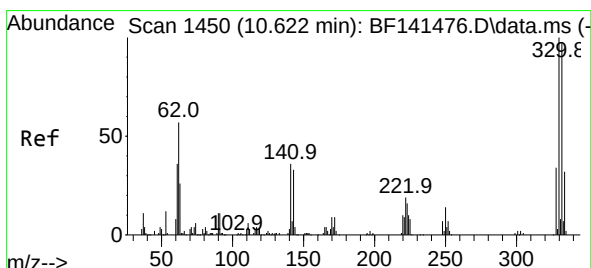
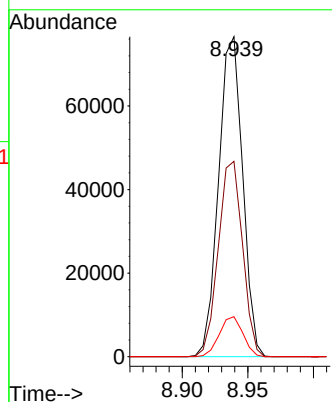
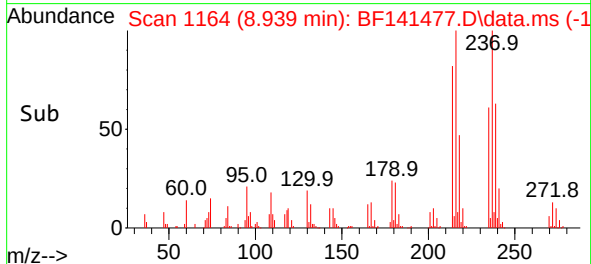


#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

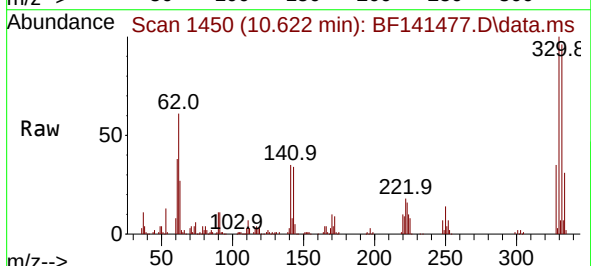
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



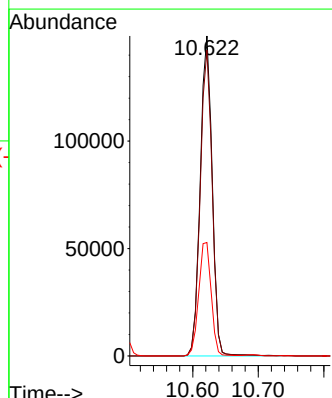
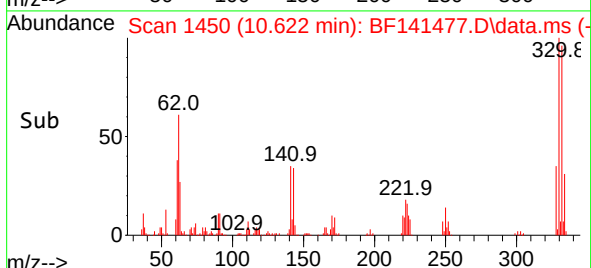
Tgt Ion:237 Resp: 97674
Ion Ratio Lower Upper
237 100
235 61.1 41.4 81.4
272 12.5 0.0 32.4

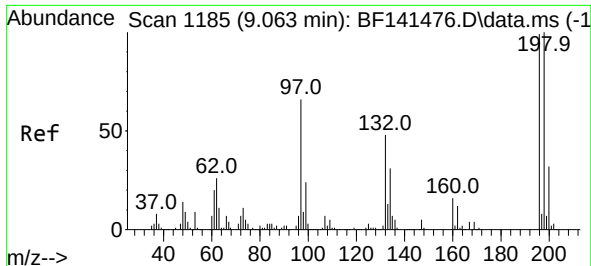


#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21



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

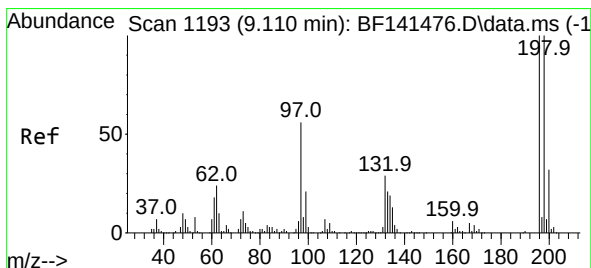
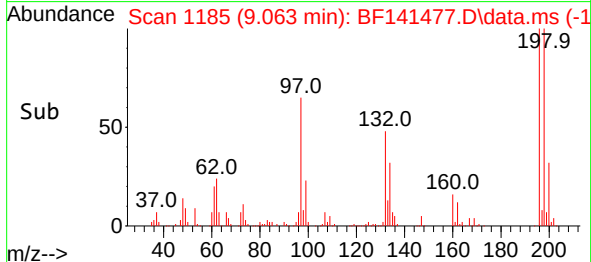
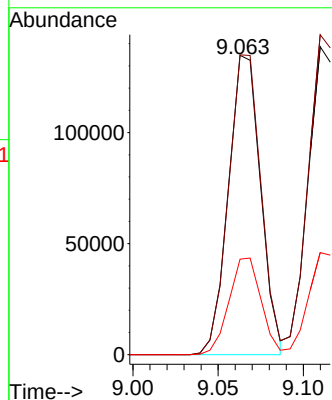
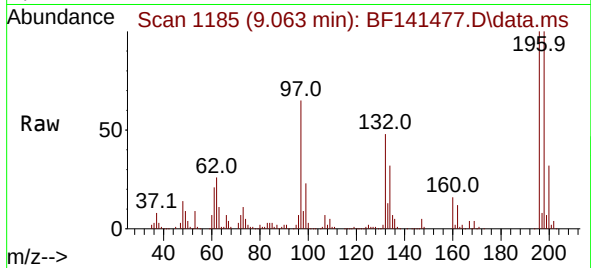




#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

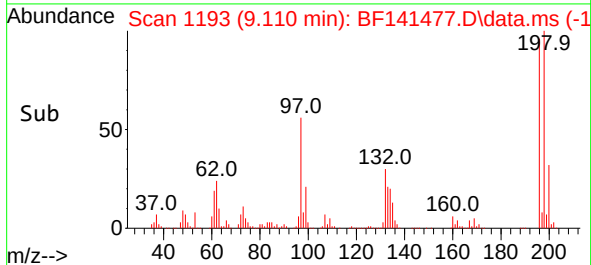
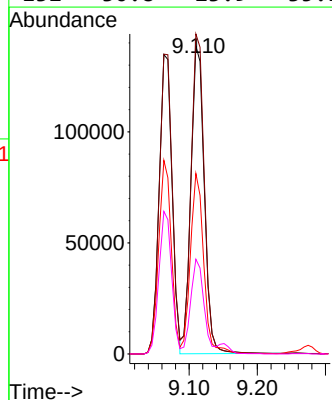
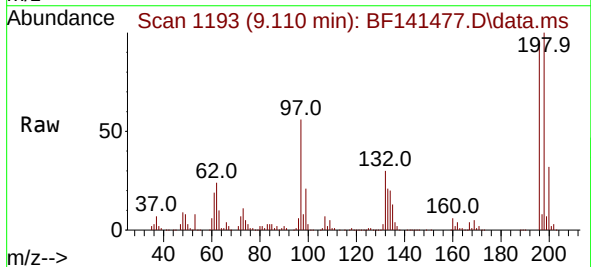
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

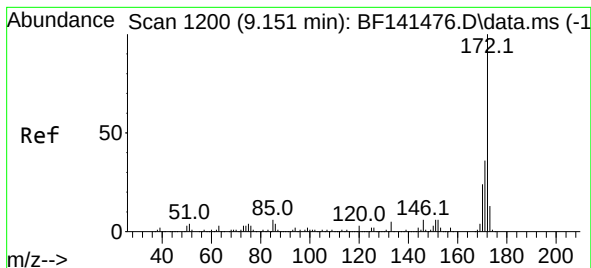
Tgt Ion:196 Resp: 177503
Ion Ratio Lower Upper
196 100
198 100.1 80.6 121.0
200 31.9 25.5 38.3



#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

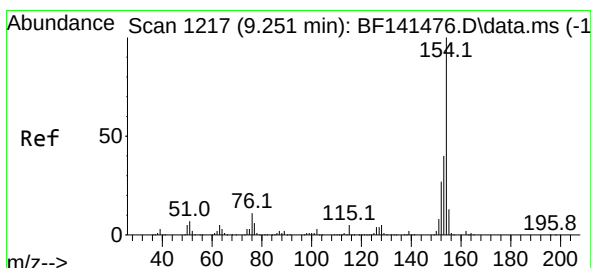
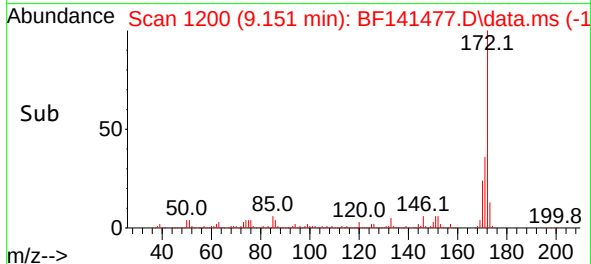
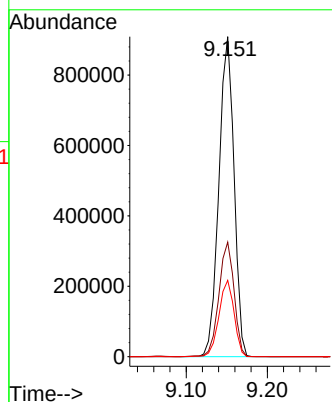
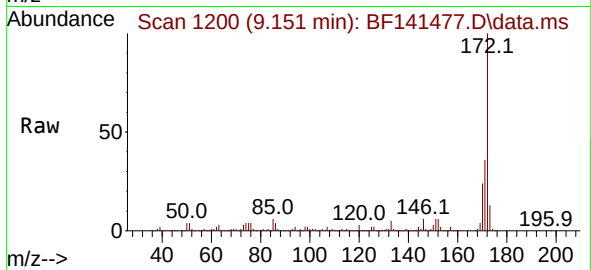
Tgt Ion:172 Resp: 1182292

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

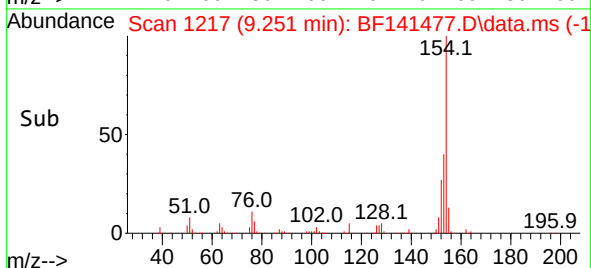
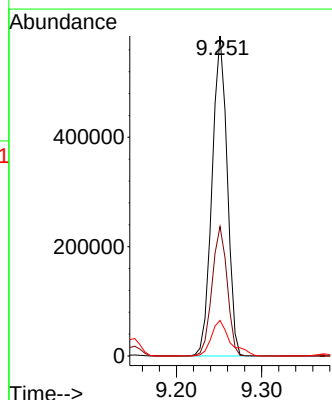
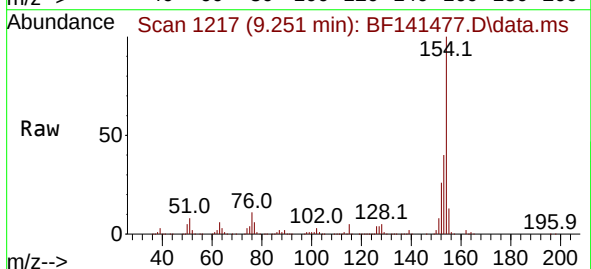
Tgt Ion:154 Resp: 722373

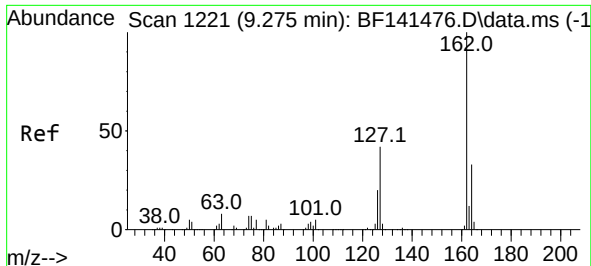
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

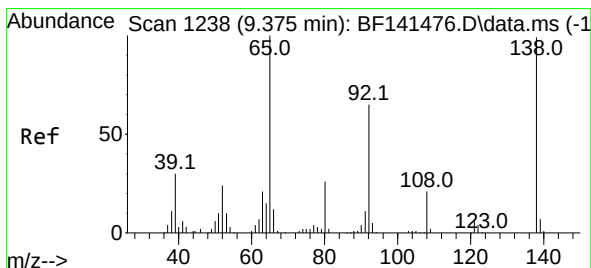
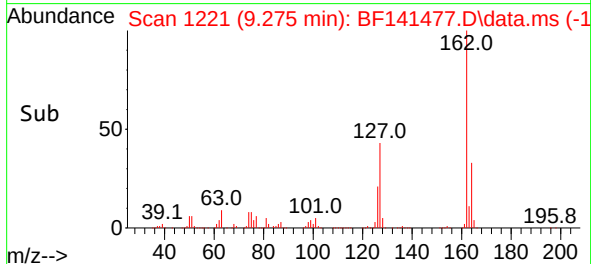
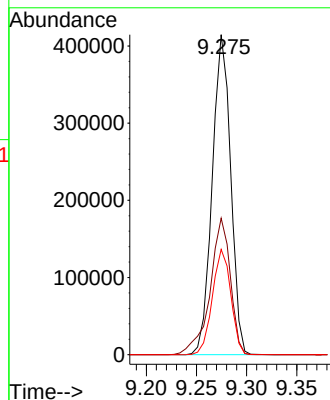
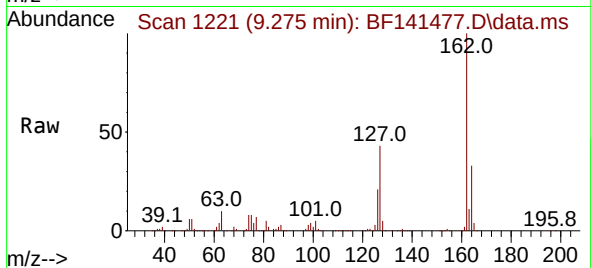
Tgt Ion:162 Resp: 530577

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

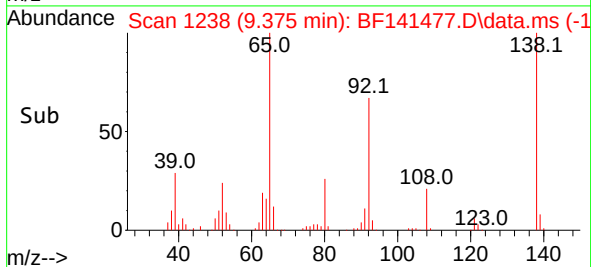
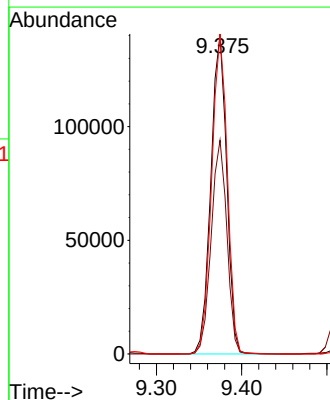
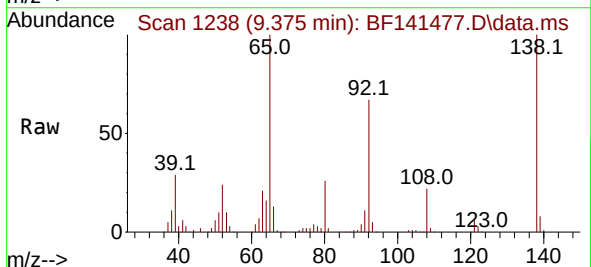
Tgt Ion: 65 Resp: 181860

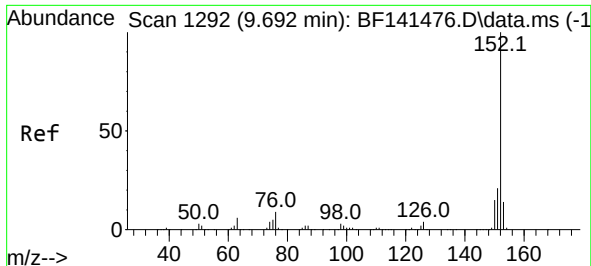
Ion Ratio Lower Upper

65 100

92 67.0 52.2 78.2

138 100.2 79.5 119.3

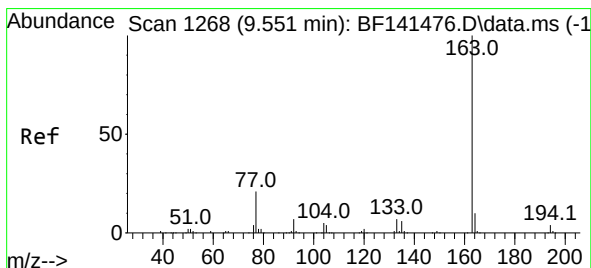
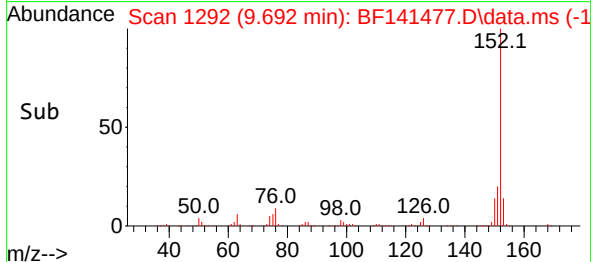
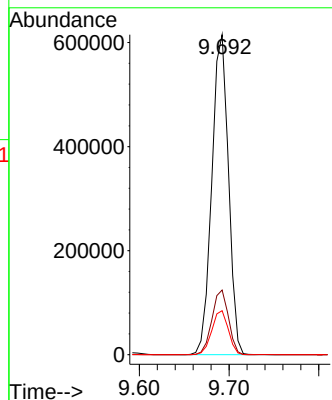
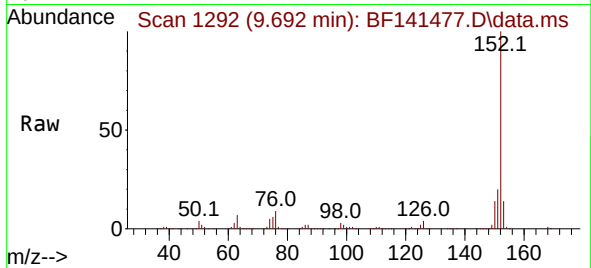




#49
Acenaphthylene
Concen: 48.672 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

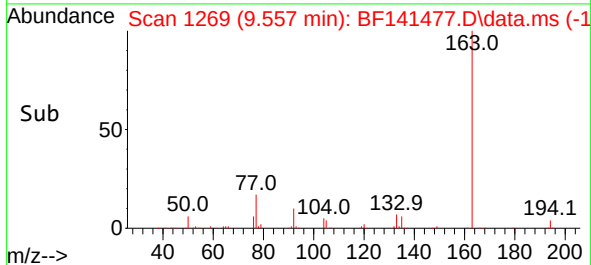
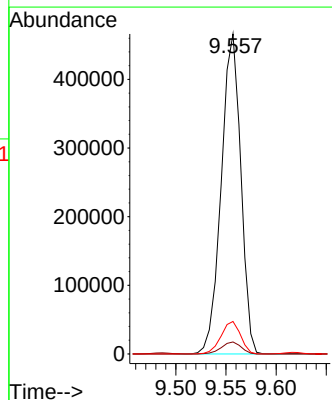
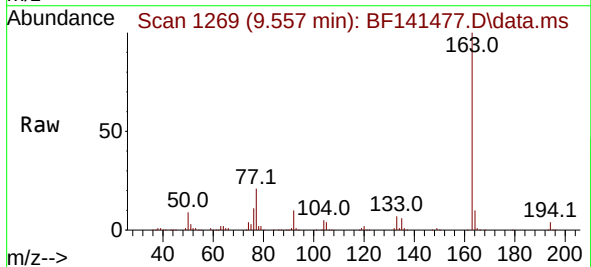
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

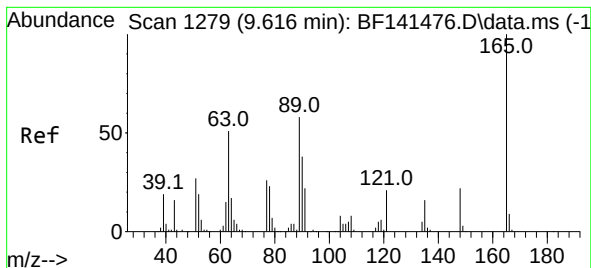
Tgt Ion:152 Resp: 790730
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.7 10.9 16.3



#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

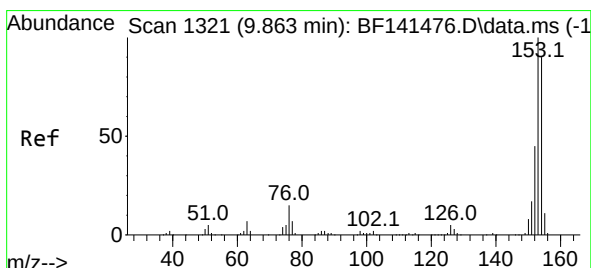
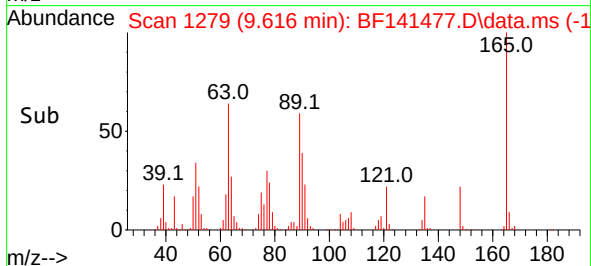
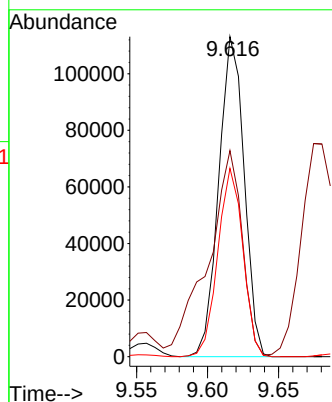
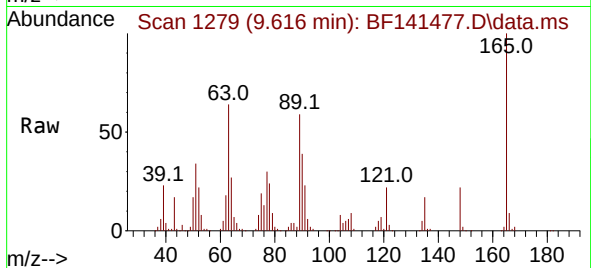




#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

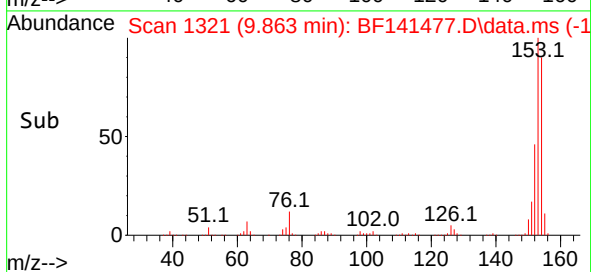
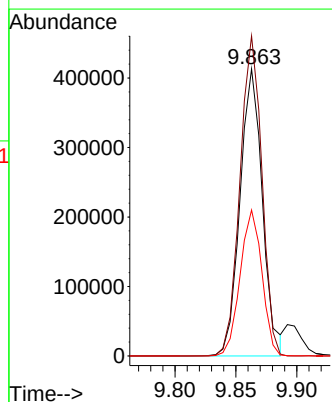
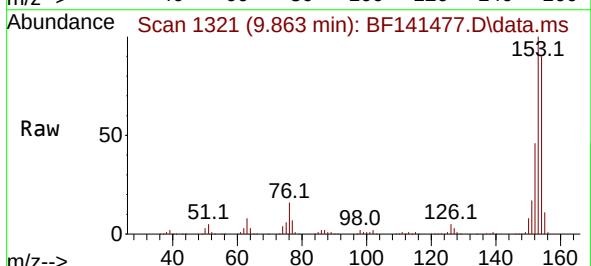
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

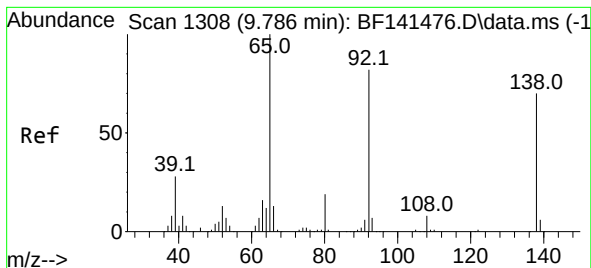
Tgt Ion:165 Resp: 140697
Ion Ratio Lower Upper
165 100
63 64.4 49.4 74.0
89 58.9 46.5 69.7



#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

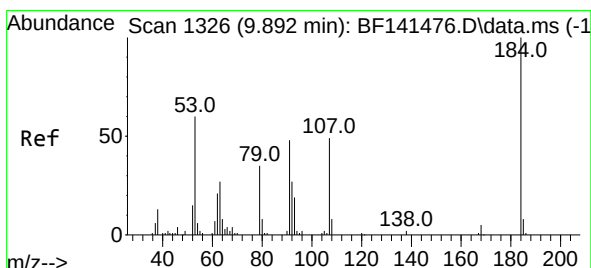
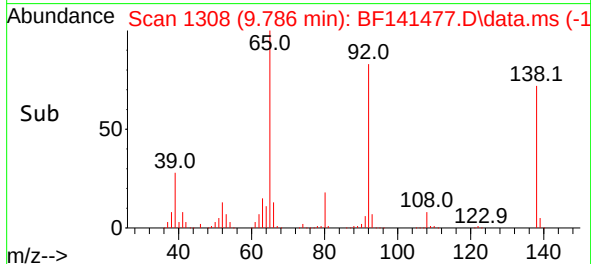
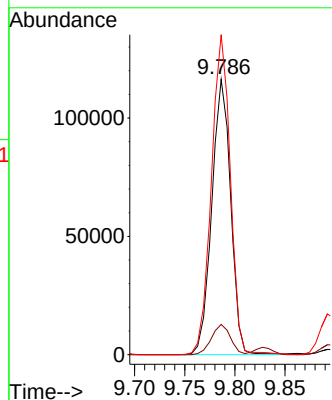
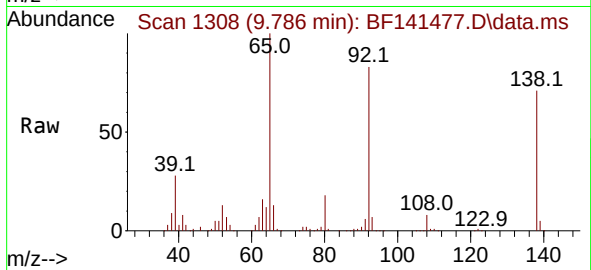




#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

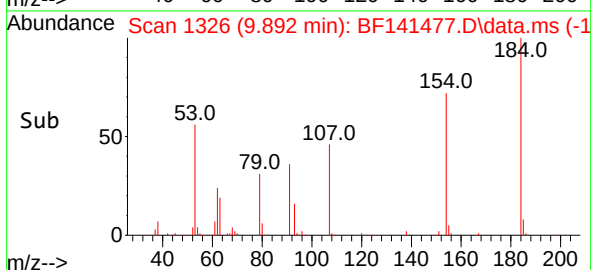
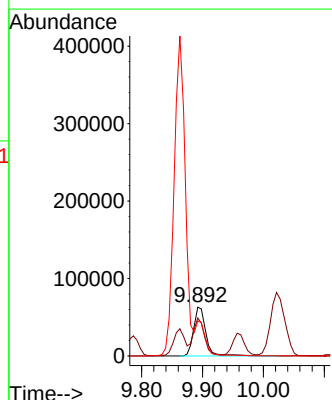
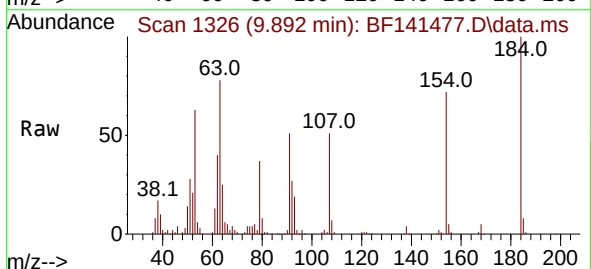
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

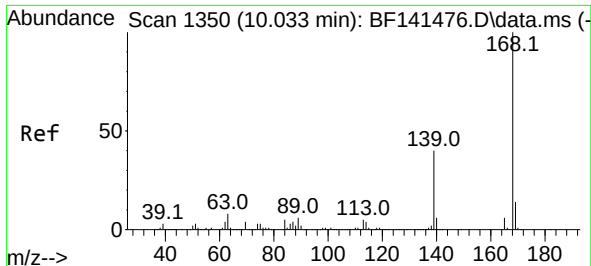
Tgt Ion:138 Resp: 152426
Ion Ratio Lower Upper
138 100
108 11.0 9.0 13.4
92 116.2 93.7 140.5



#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

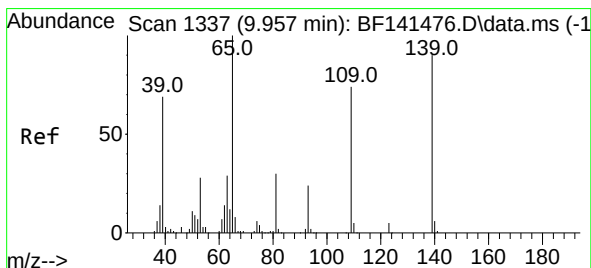
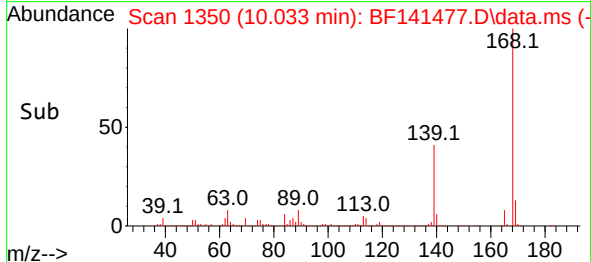
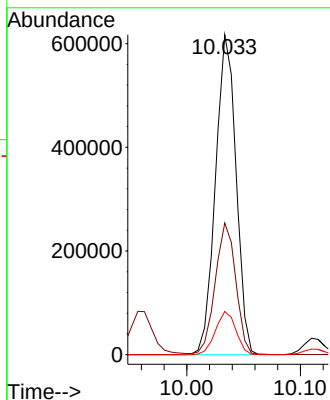
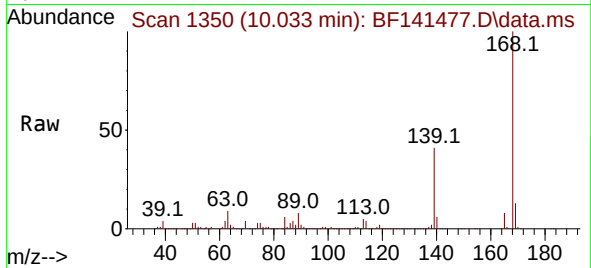




#55
Dibenzenofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

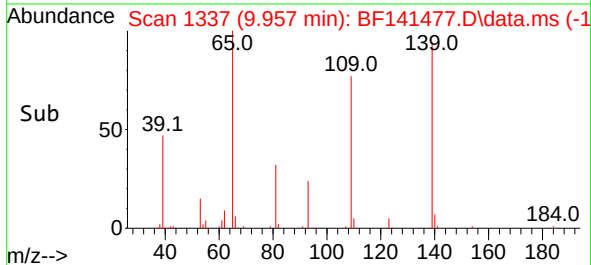
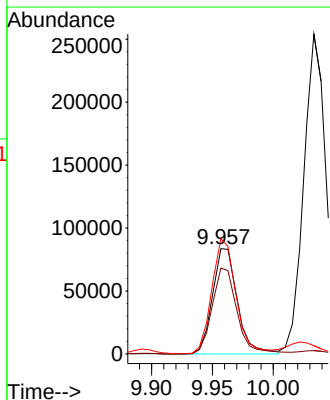
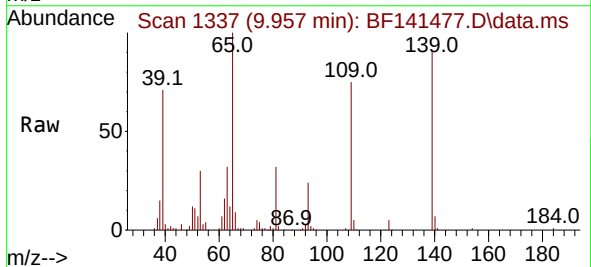
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

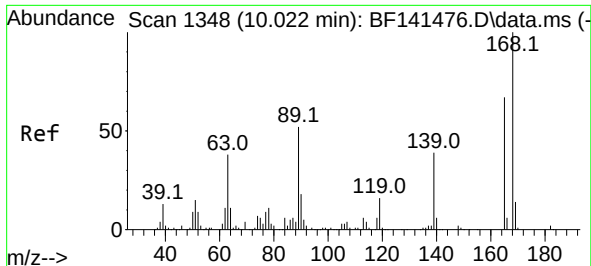
Tgt Ion:168 Resp: 777905
Ion Ratio Lower Upper
168 100
139 41.2 32.7 49.1
169 13.5 10.8 16.2



#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

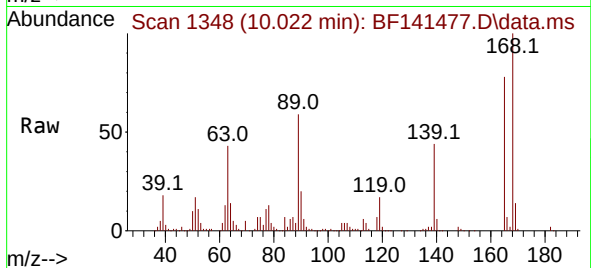
Tgt Ion:139 Resp: 118835
Ion Ratio Lower Upper
139 100
109 81.7 62.0 102.0
65 109.4 91.2 131.2



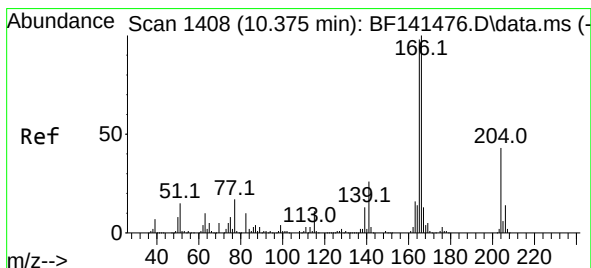
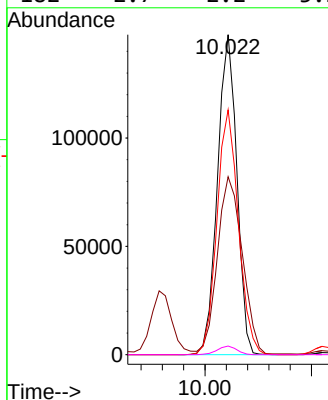
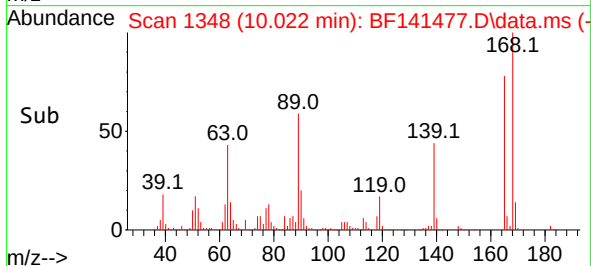


#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

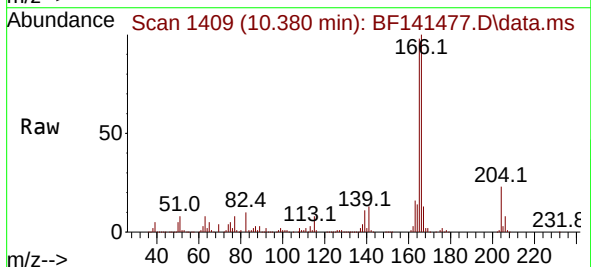
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



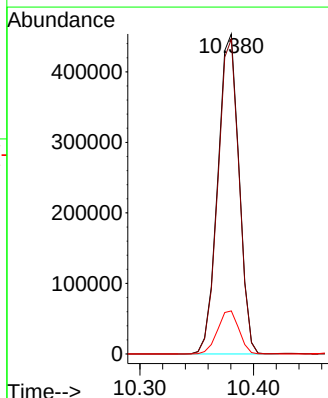
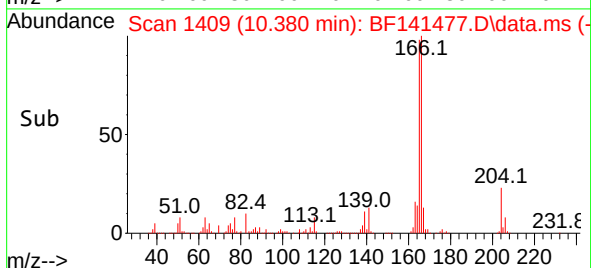
Tgt Ion:165 Resp: 185741
Ion Ratio Lower Upper
165 100
63 55.6 46.4 69.6
89 76.5 61.8 92.6
182 2.7 2.2 3.2

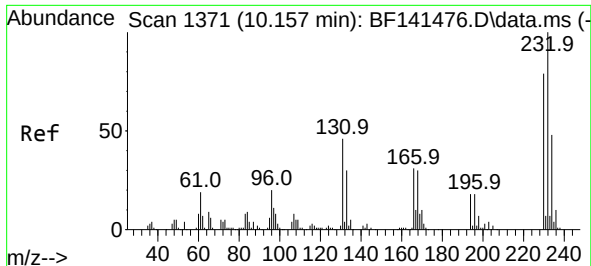


#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21



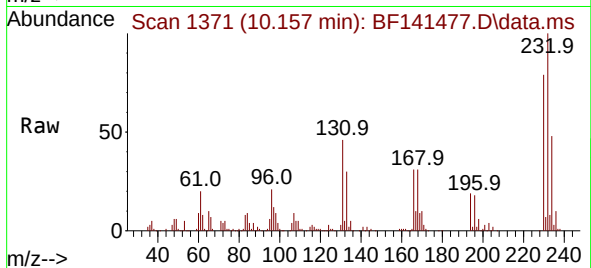
Tgt Ion:166 Resp: 590000
Ion Ratio Lower Upper
166 100
165 98.4 78.2 117.2
167 13.4 10.7 16.1



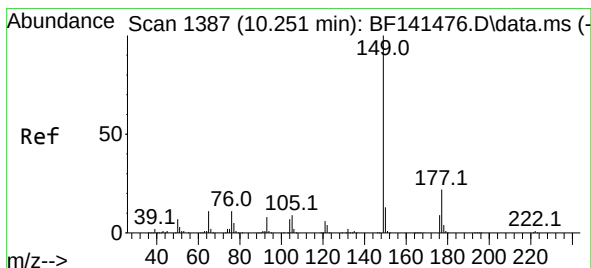
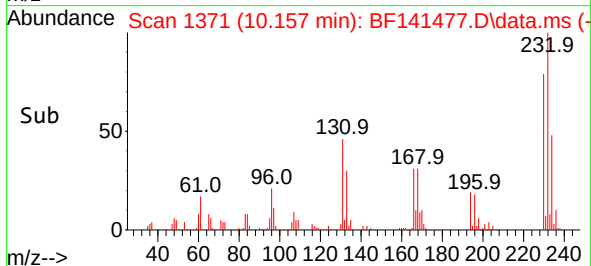
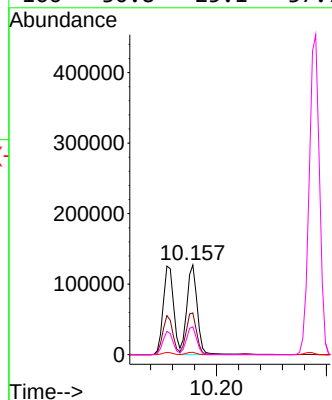


#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

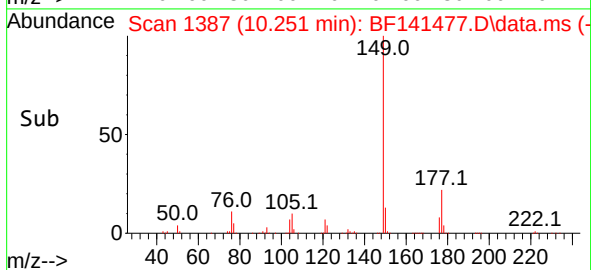
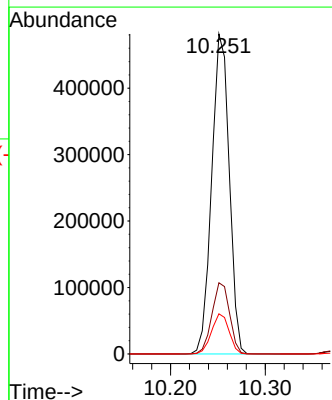
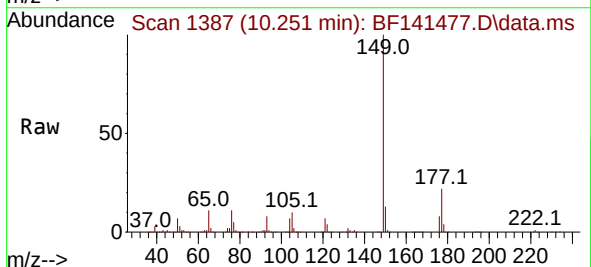


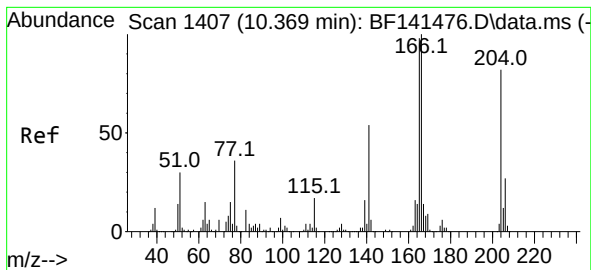
Tgt Ion:232 Resp: 165559
Ion Ratio Lower Upper
232 100
131 46.7 39.2 58.8
130 2.6 2.1 3.1
166 30.8 25.1 37.7



#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

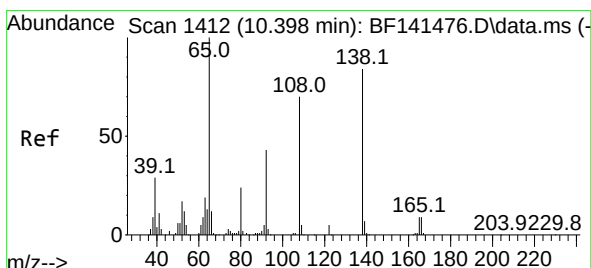
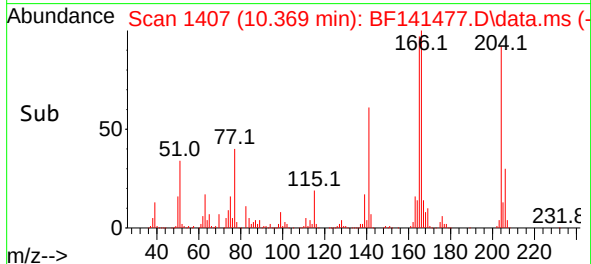
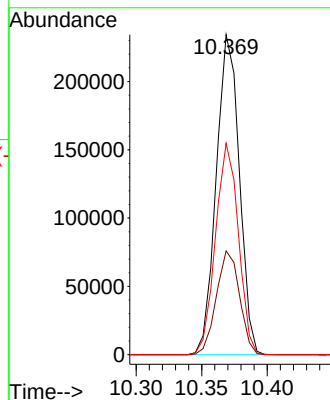
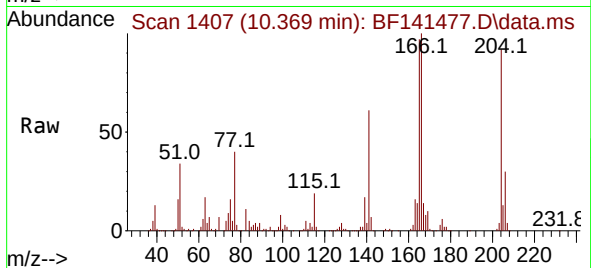




#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

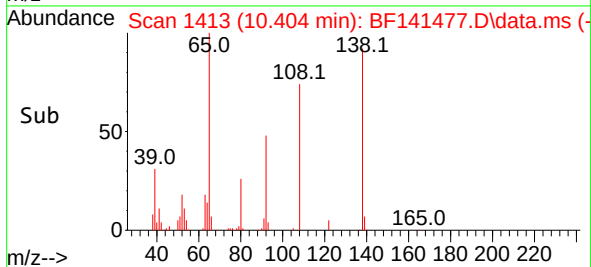
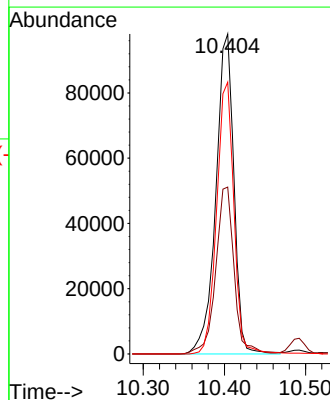
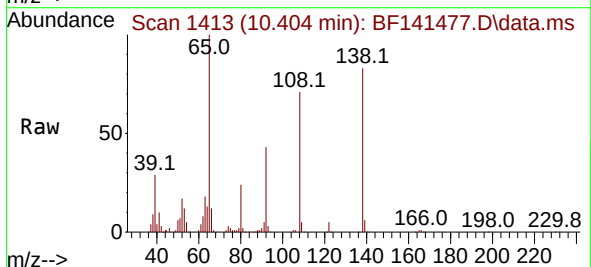
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

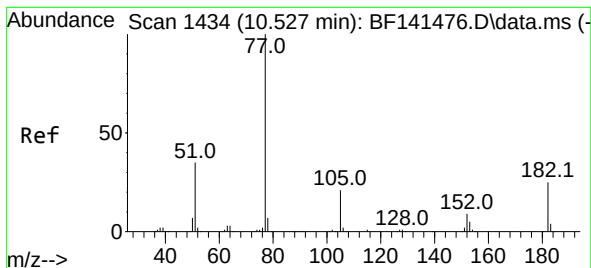
Tgt Ion:204 Resp: 286530
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 66.0 51.9 77.9



#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

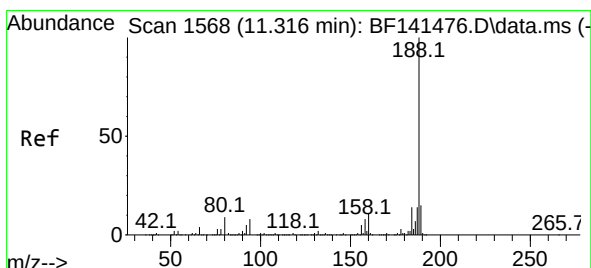
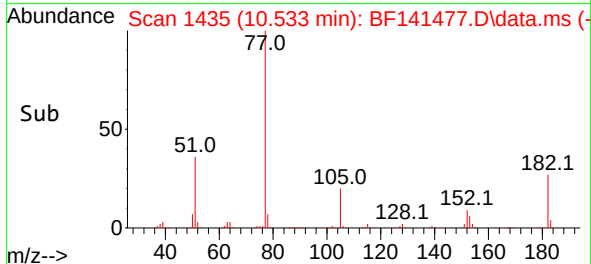
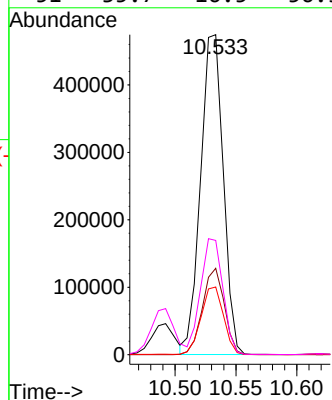
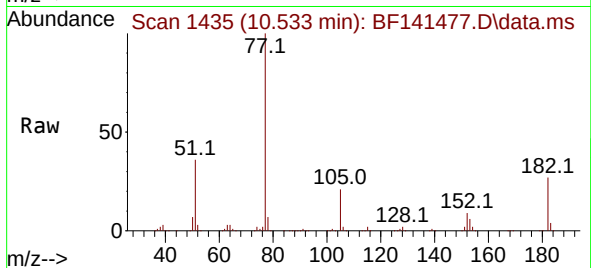




#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

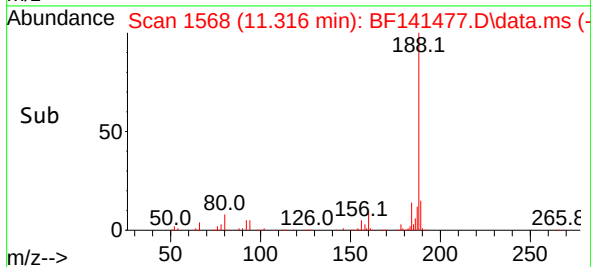
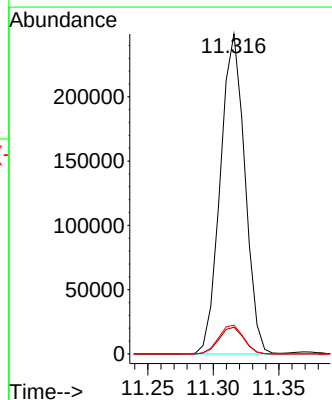
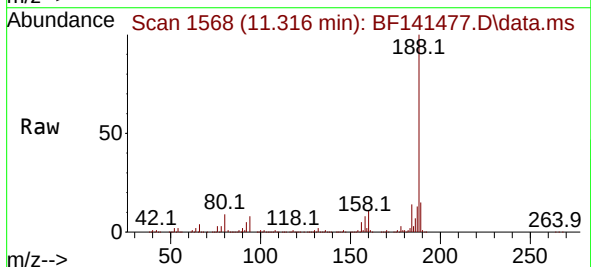
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

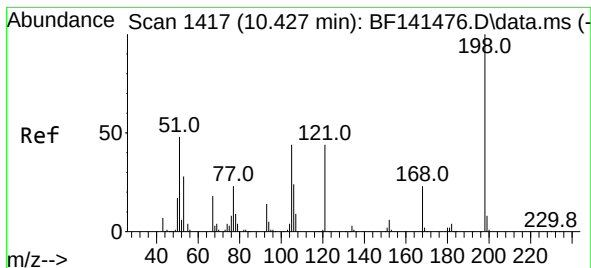
Tgt Ion: 77	Resp: 616638
Ion Ratio	Lower Upper
77 100	
182 27.0	4.7 44.7
105 21.1	0.4 40.4
51 35.7	16.5 56.5



#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

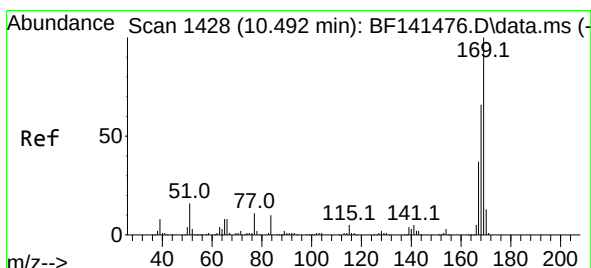
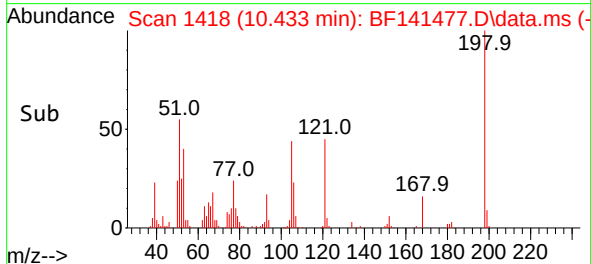
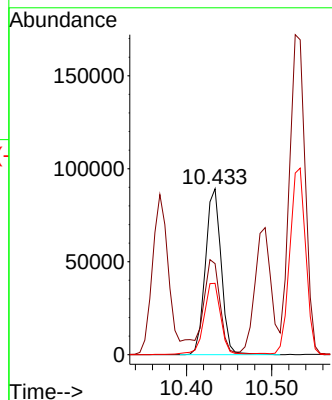
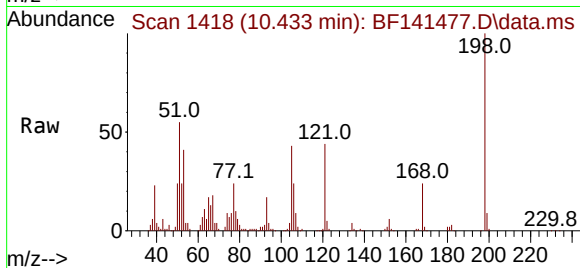




#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

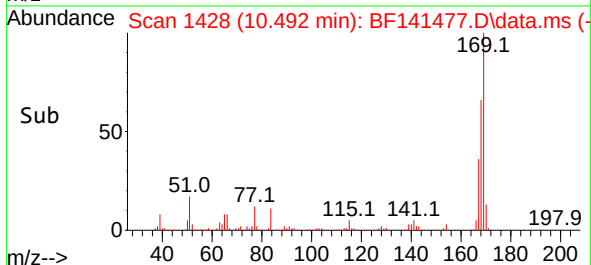
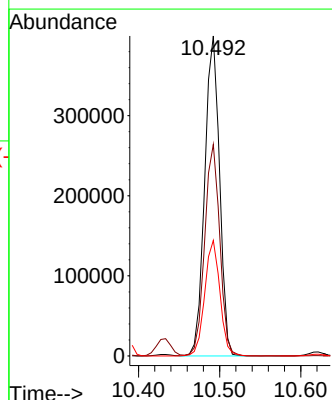
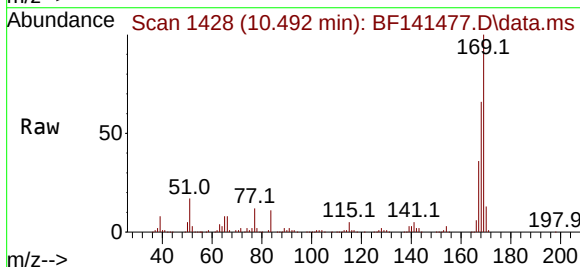
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

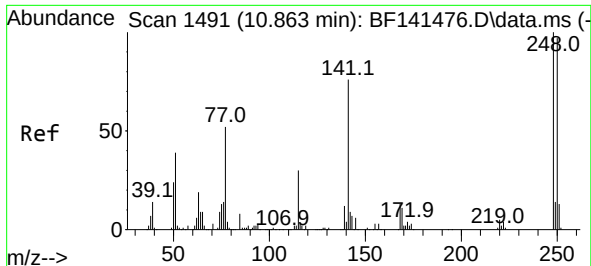
Tgt Ion:198 Resp: 114725
Ion Ratio Lower Upper
198 100
51 54.9 37.4 77.4
105 43.0 25.2 65.2



#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

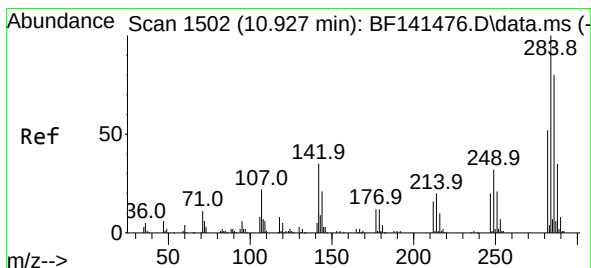
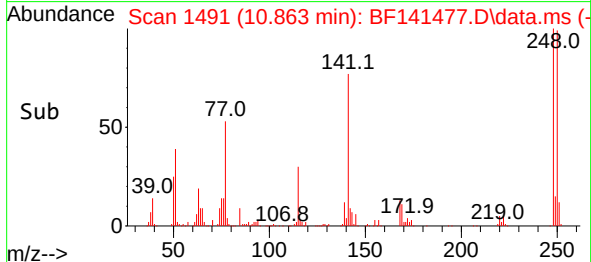
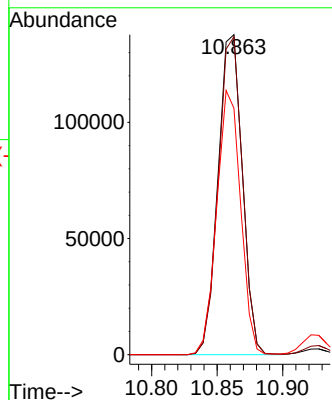
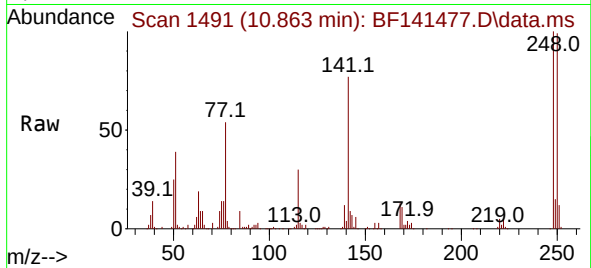




#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

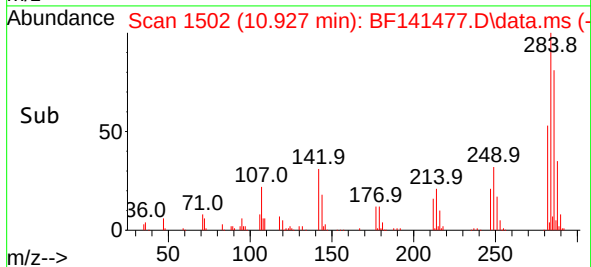
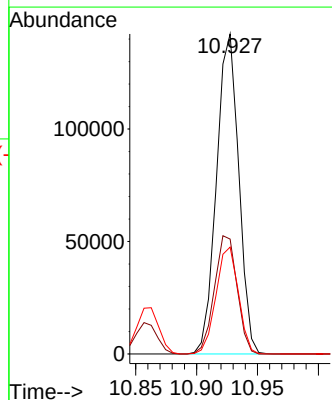
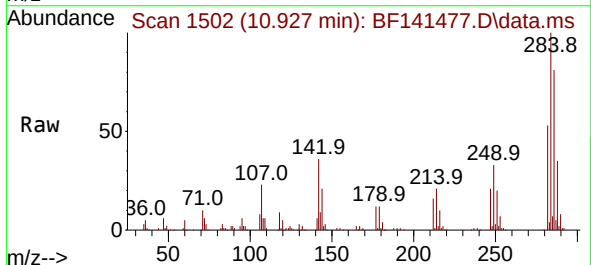
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

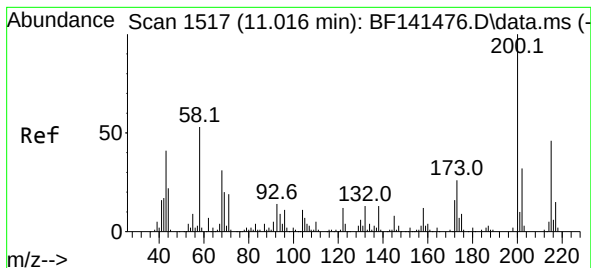
Tgt Ion:248 Resp: 177761
Ion Ratio Lower Upper
248 100
250 99.3 77.8 116.6
141 77.0 60.6 90.8



#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 :

SSTDIC050

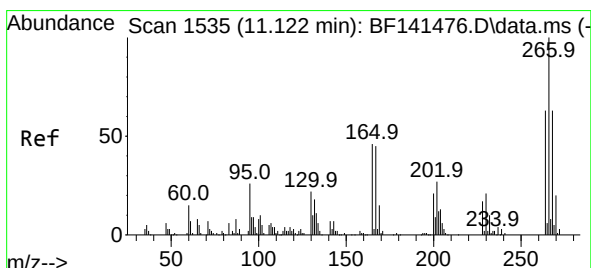
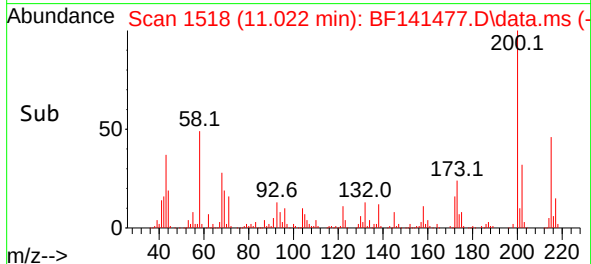
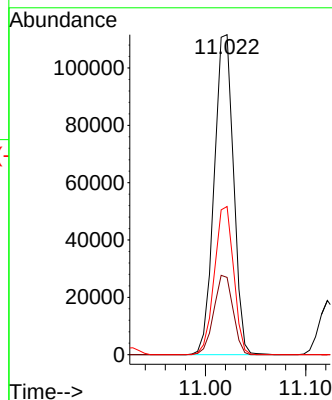
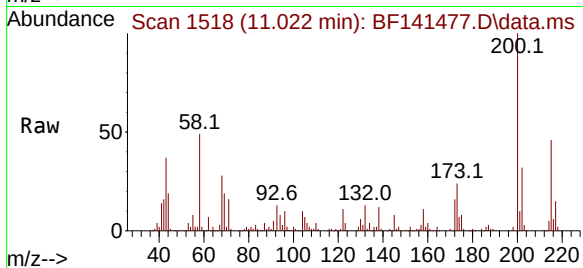
Tgt Ion:200 Resp: 149758

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

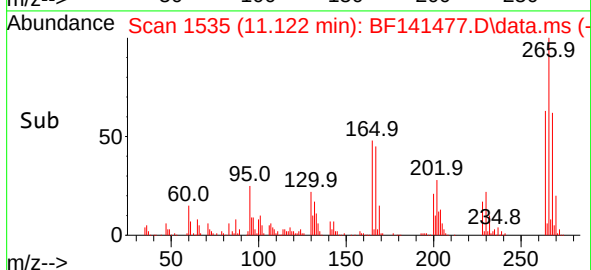
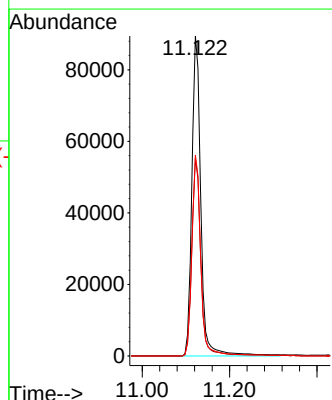
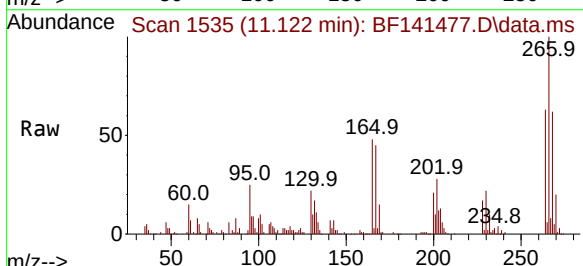
Tgt Ion:266 Resp: 128081

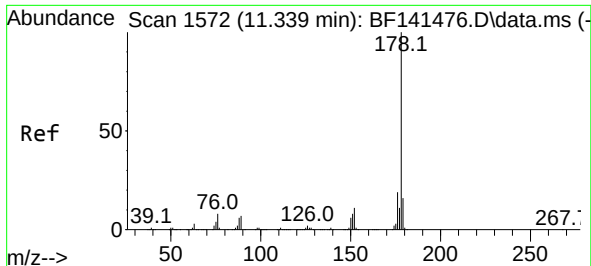
Ion Ratio Lower Upper

266 100

268 61.8 50.1 75.1

264 62.8 50.1 75.1

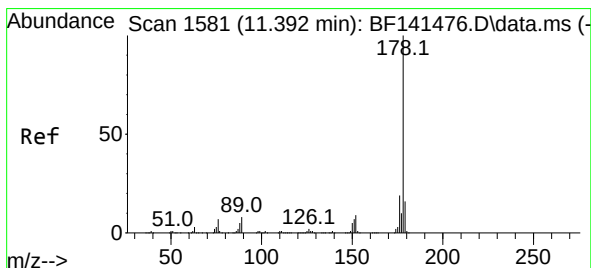
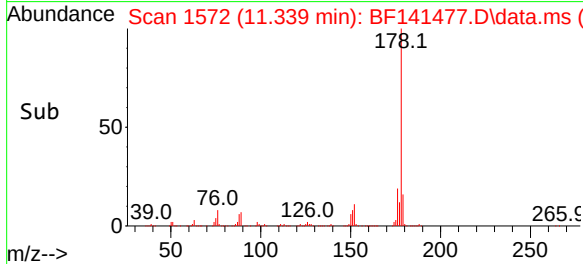
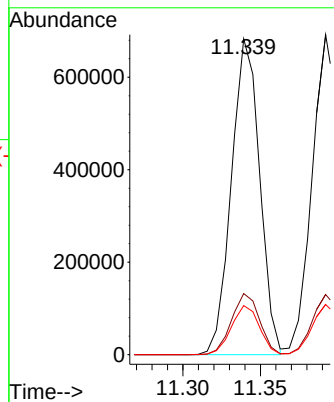
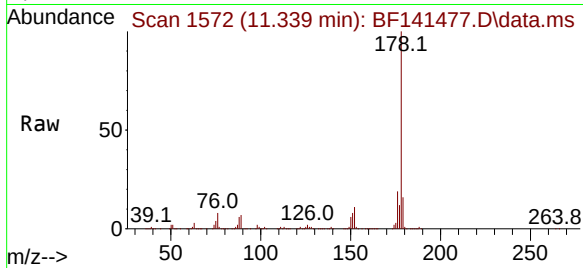




#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

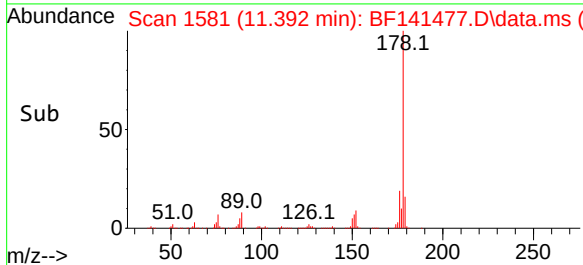
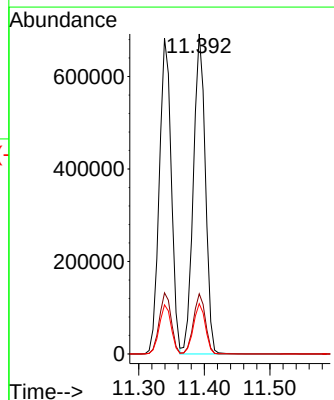
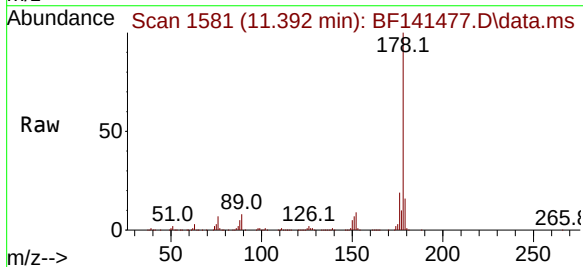
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

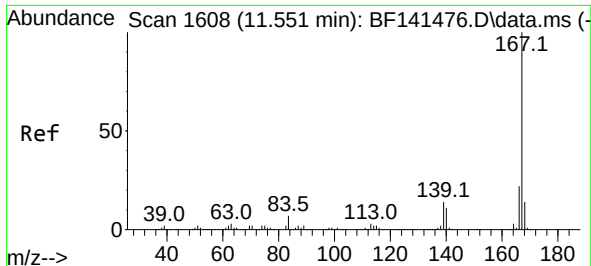
Tgt Ion:178 Resp: 866517
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.4 18.6



#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

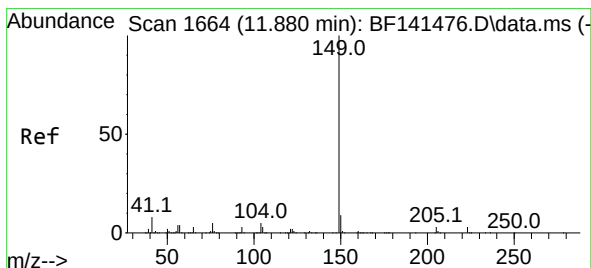
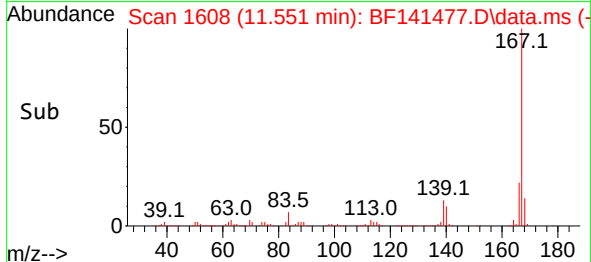
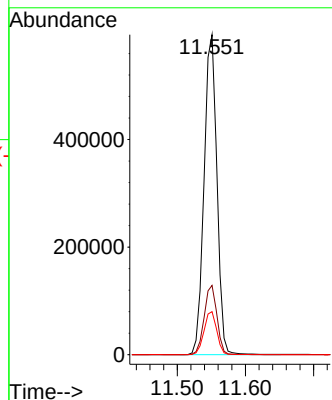
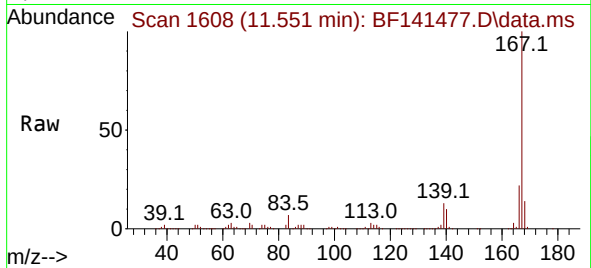




#73
 Carbazole
 Concen: 48.504 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141477.D
 Acq: 06 Feb 2025 13:21

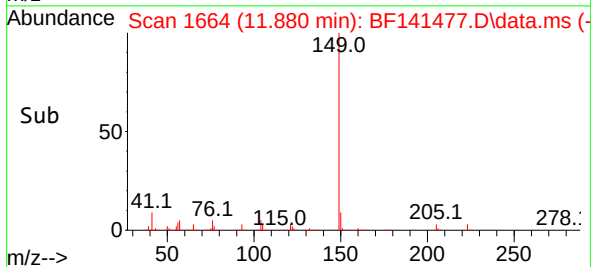
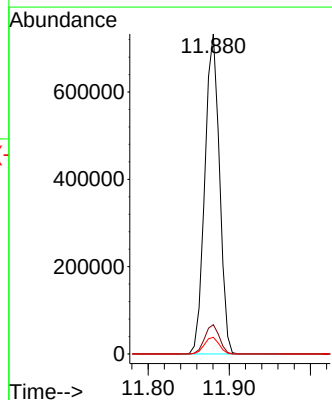
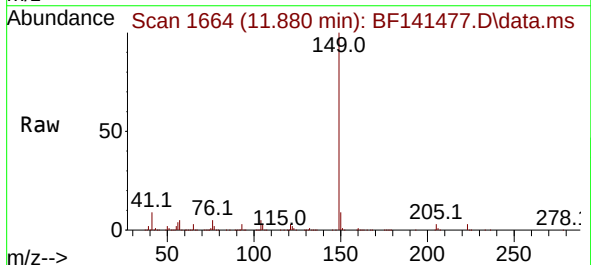
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

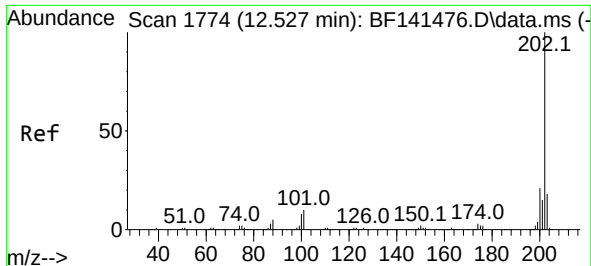
Tgt Ion:167 Resp: 781733
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 13.5 10.9 16.3



#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

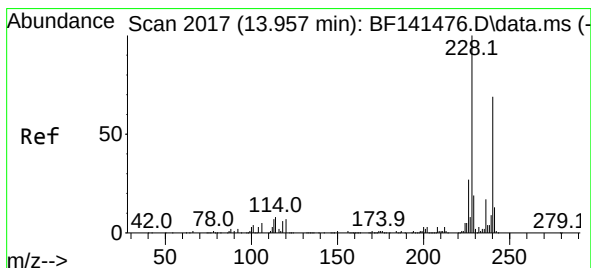
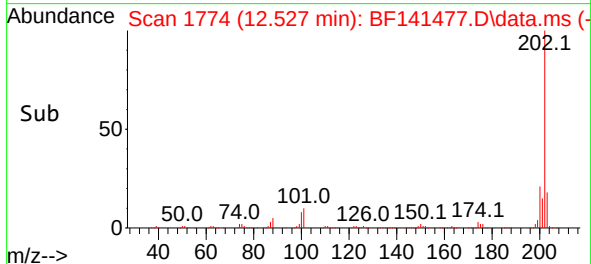
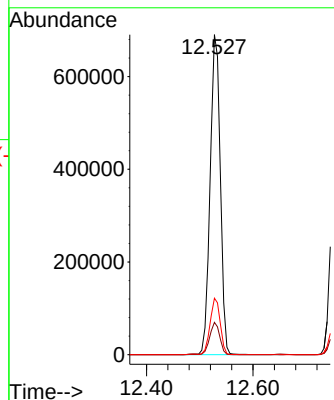
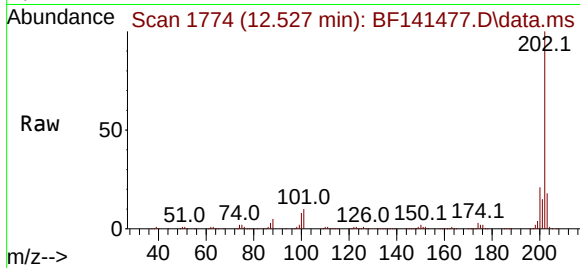




#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

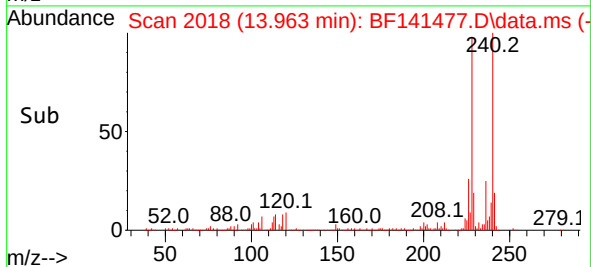
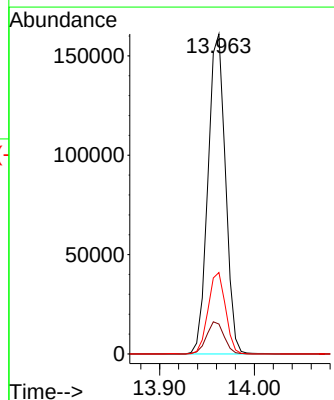
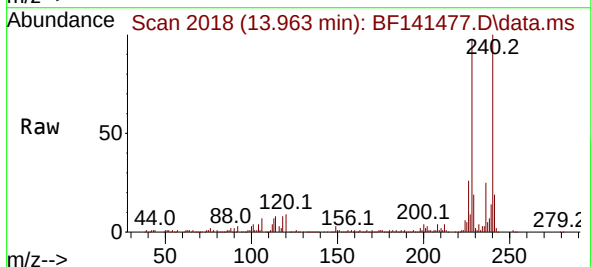
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

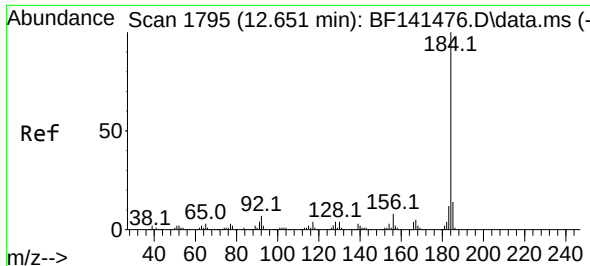
Tgt Ion:202 Resp: 913699
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.6 0.0 37.6



#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:240 Resp: 205879
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 25.4 19.8 29.8

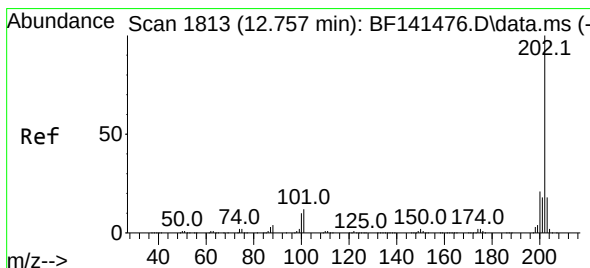
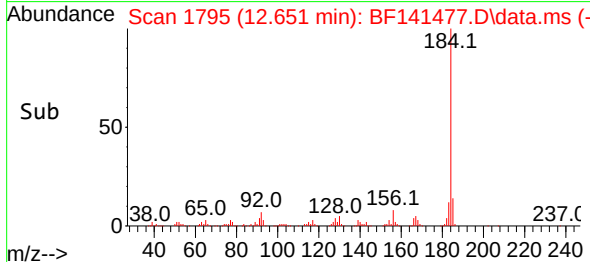
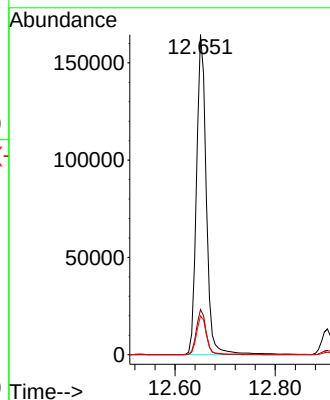
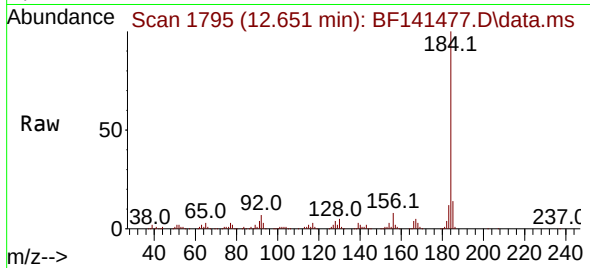




#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

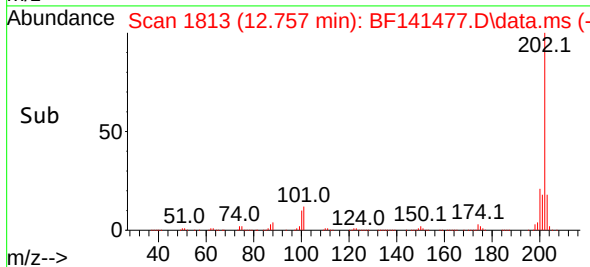
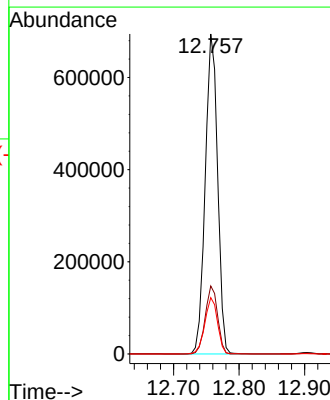
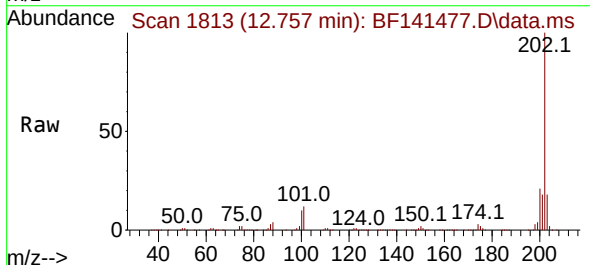
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

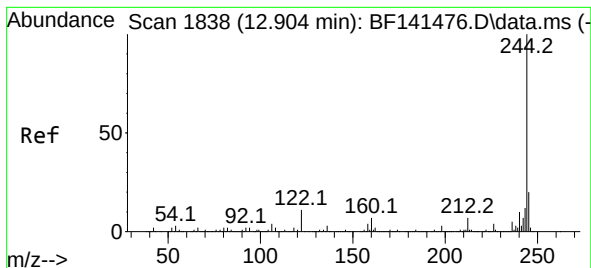
Tgt Ion:184 Resp: 222606
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.1 9.3 13.9



#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

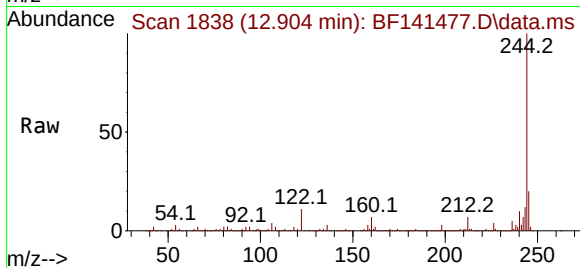
Tgt Ion:202 Resp: 913198
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.6 14.3 21.5



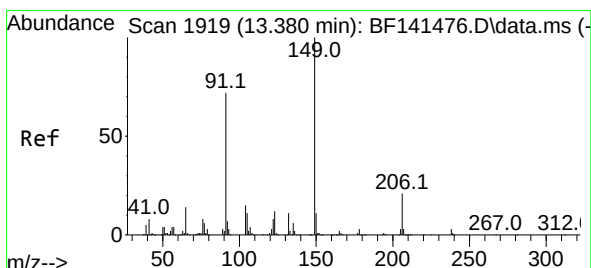
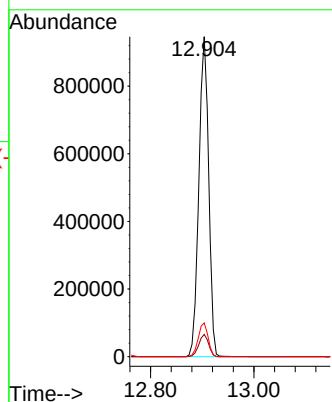
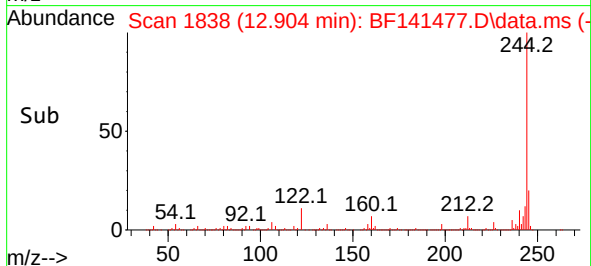


#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

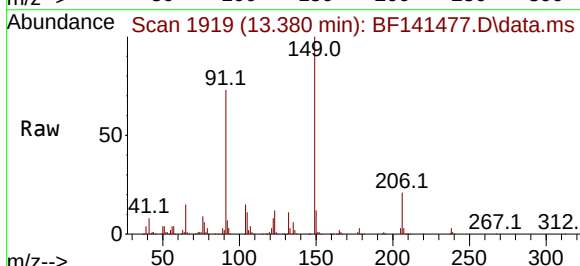
Instrument :
BNA_F
ClientSampleId :
SSTDIC050



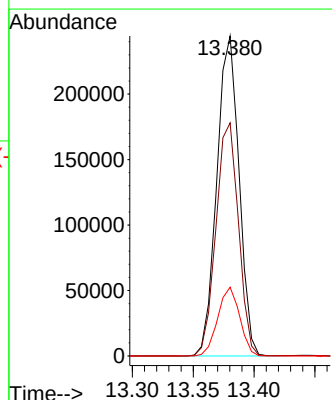
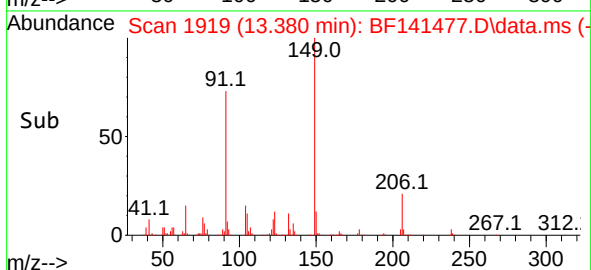
Tgt Ion:244 Resp: 1244053
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.5 8.4 12.6

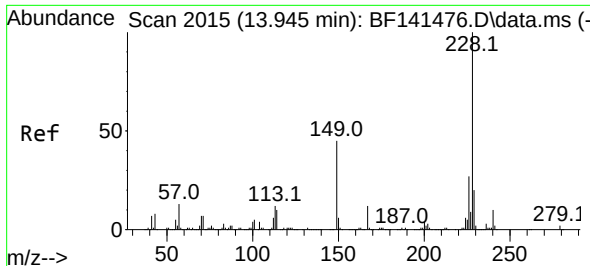


#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21



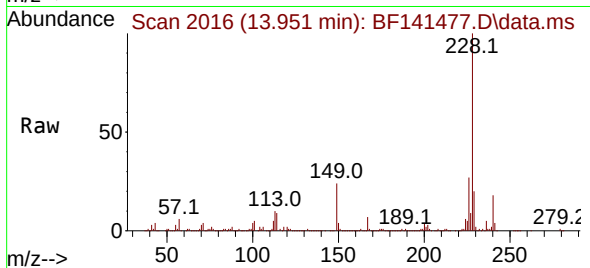
Tgt Ion:149 Resp: 310612
Ion Ratio Lower Upper
149 100
91 72.8 57.8 86.8
206 21.5 16.7 25.1



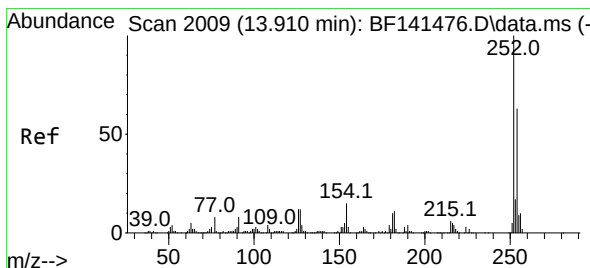
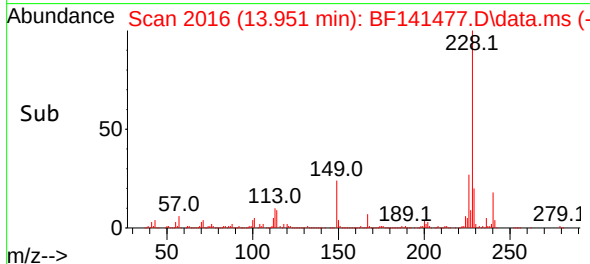
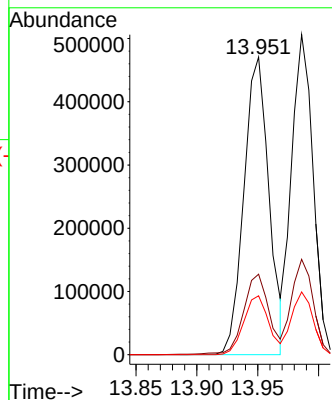


#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

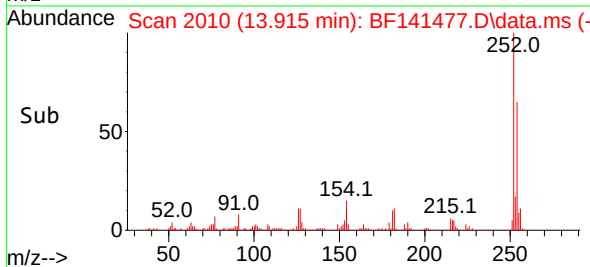
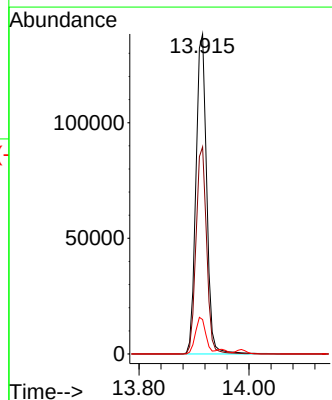
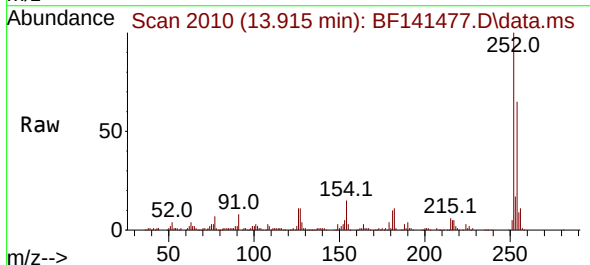


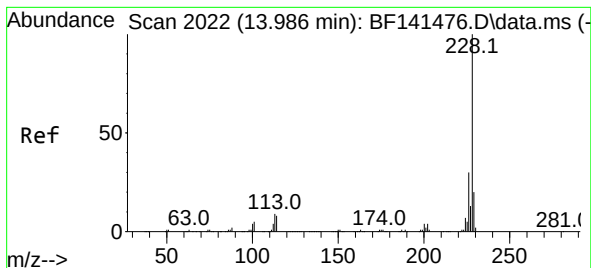
Tgt Ion:228 Resp: 673785
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.8 15.8 23.6



#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

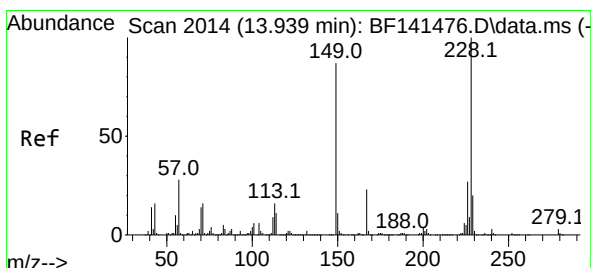
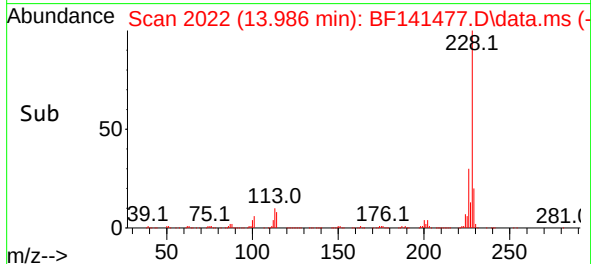
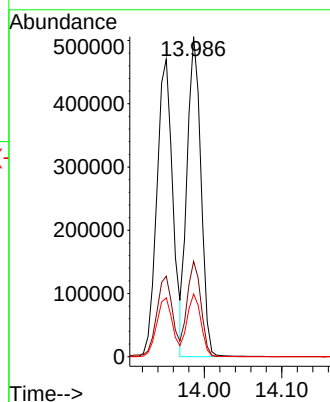
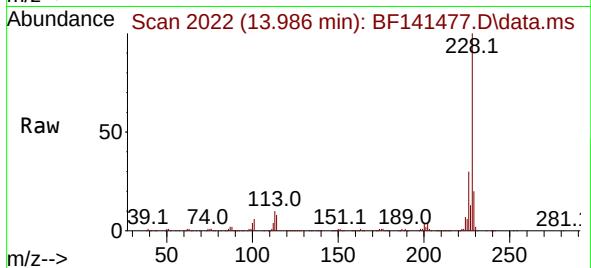
Tgt Ion:228 Resp: 625572

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

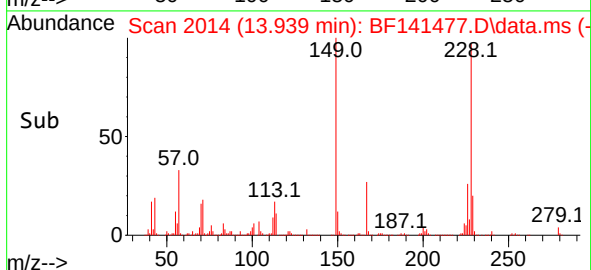
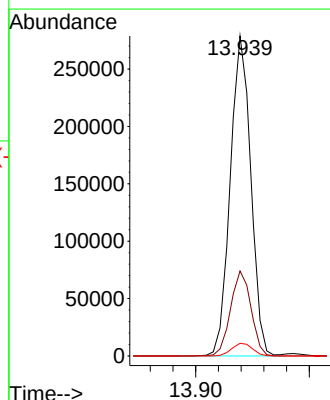
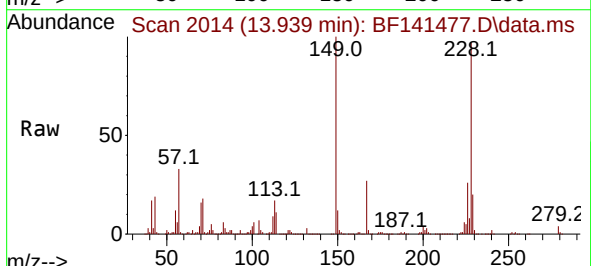
Tgt Ion:149 Resp: 350121

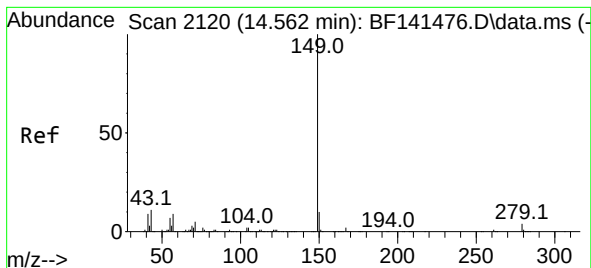
Ion Ratio Lower Upper

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

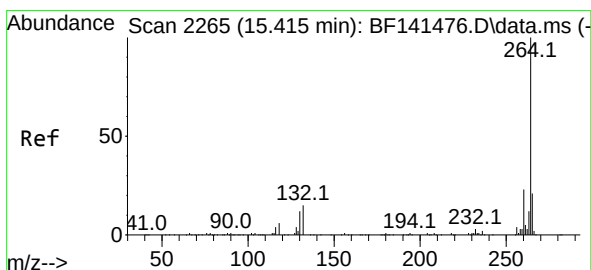
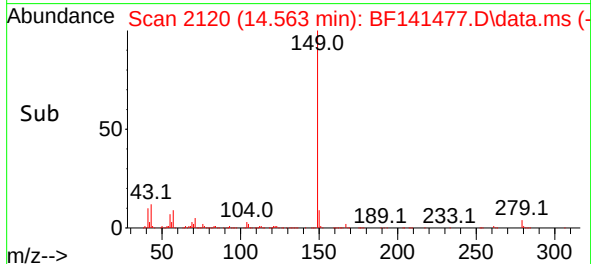
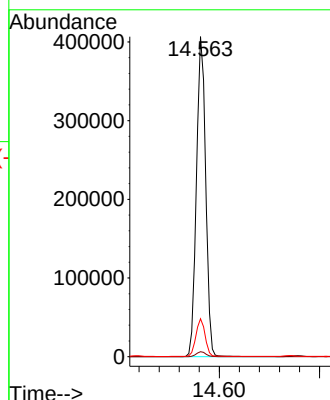
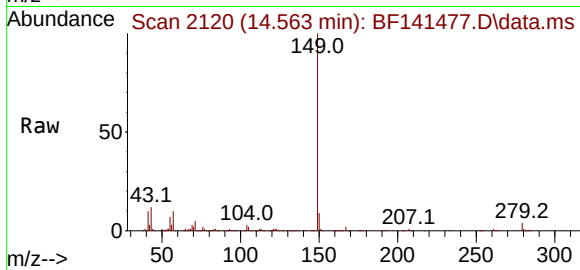
Tgt Ion:149 Resp: 519741

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

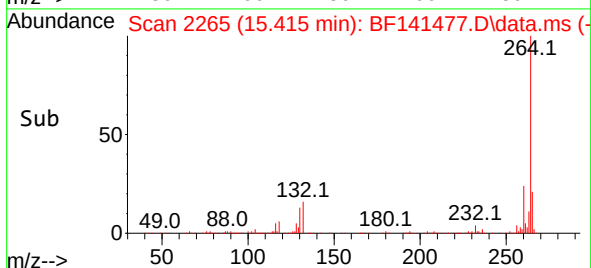
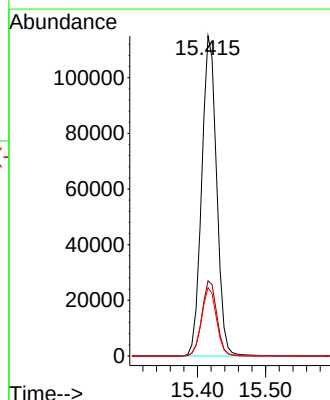
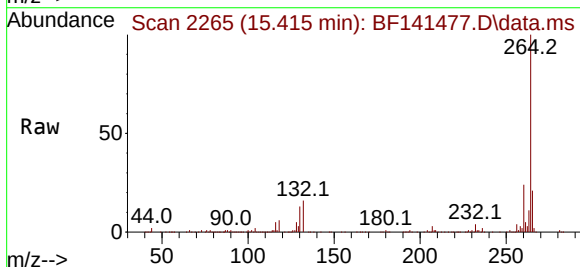
Tgt Ion:264 Resp: 174906

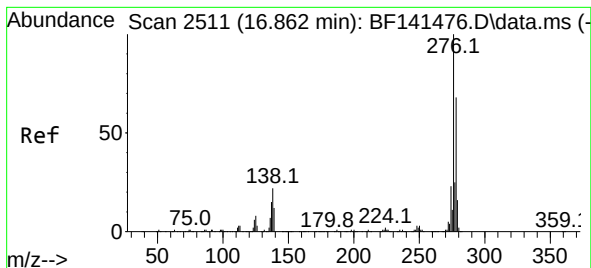
Ion Ratio Lower Upper

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# 2112

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

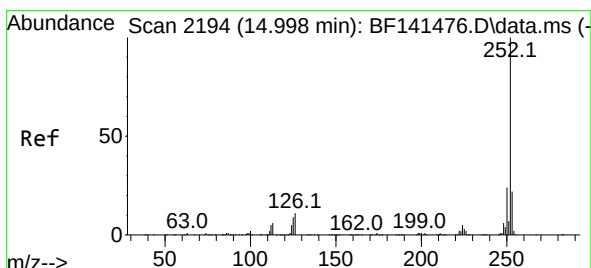
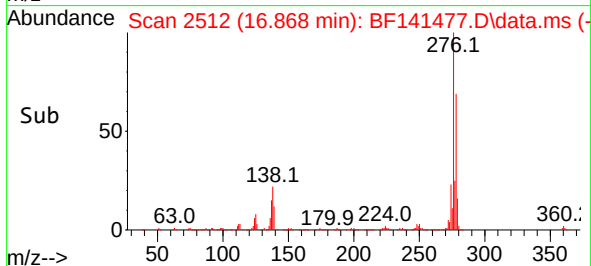
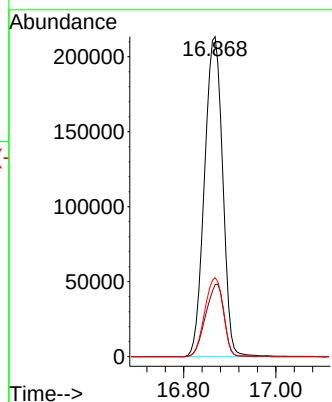
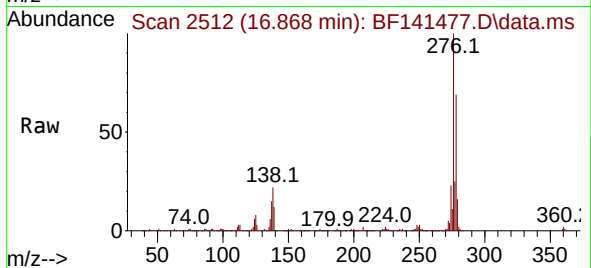
Tgt Ion:276 Resp: 586584

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

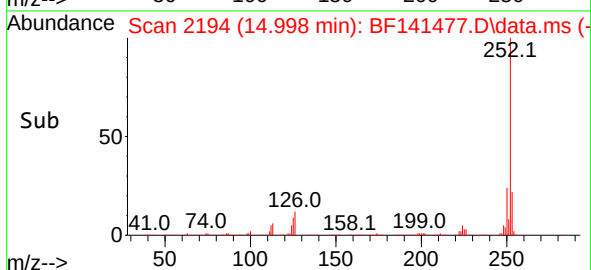
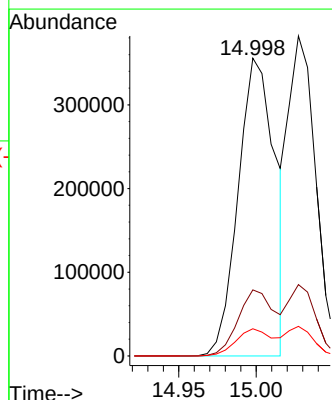
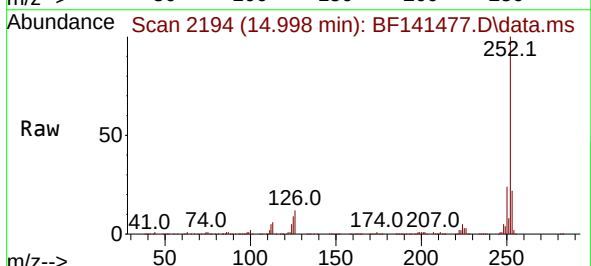
Tgt Ion:252 Resp: 590149

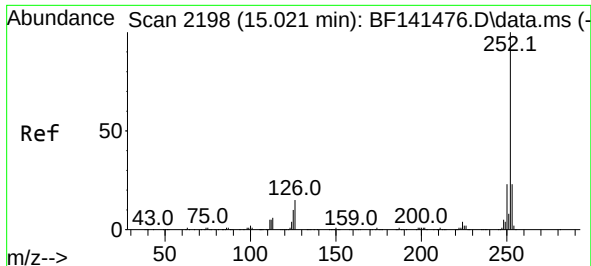
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

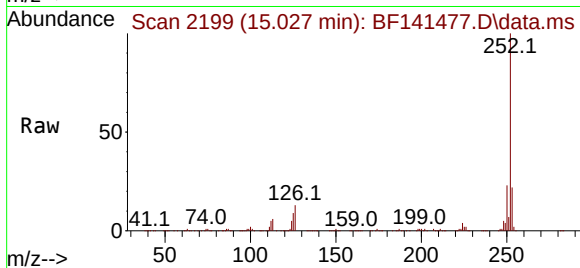
125 9.2 7.0 10.6



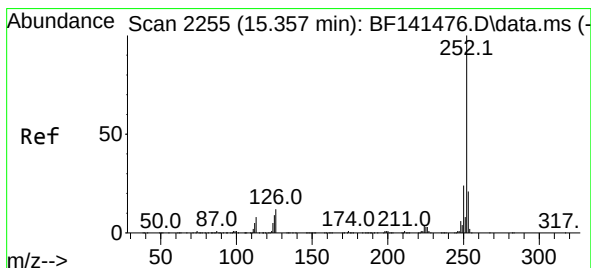
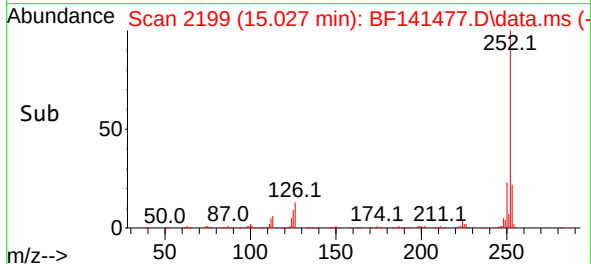
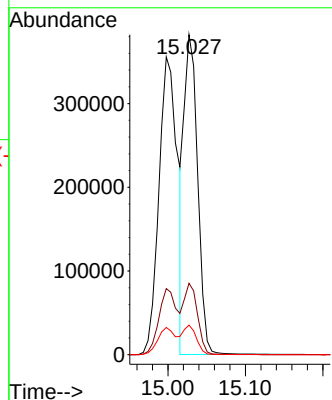


#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

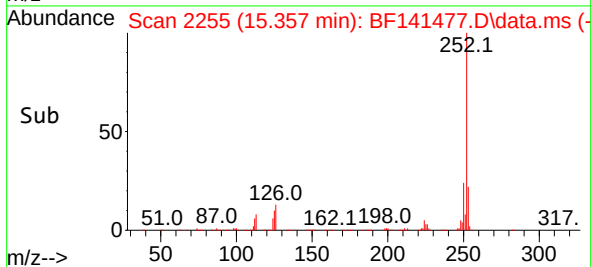
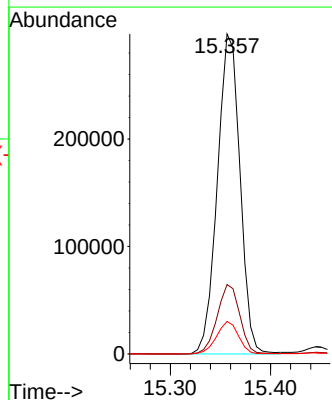
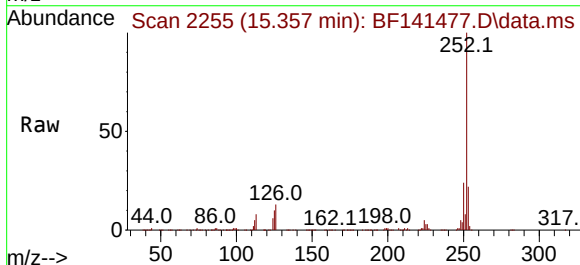


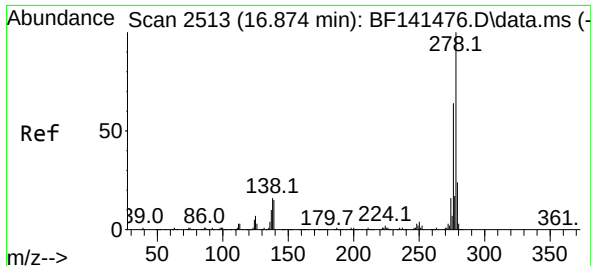
Tgt Ion:252 Resp: 469466
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.2 7.4 11.0



#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

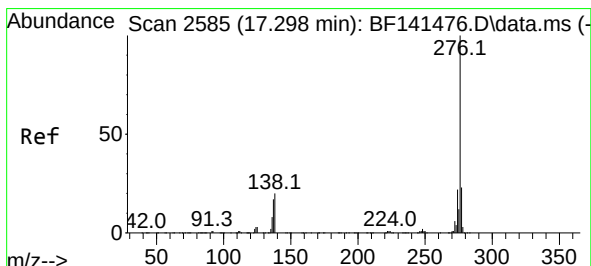
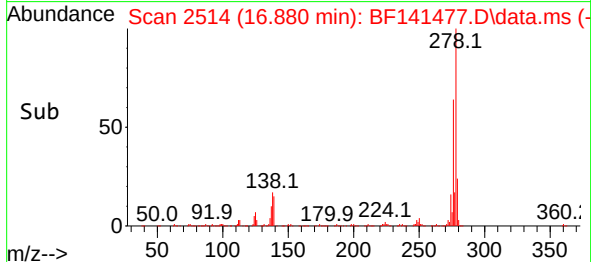
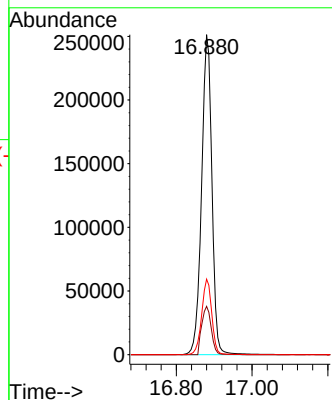
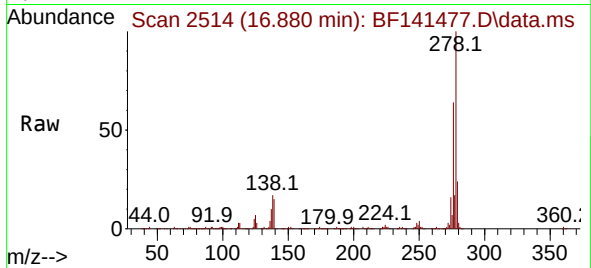




#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2513
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

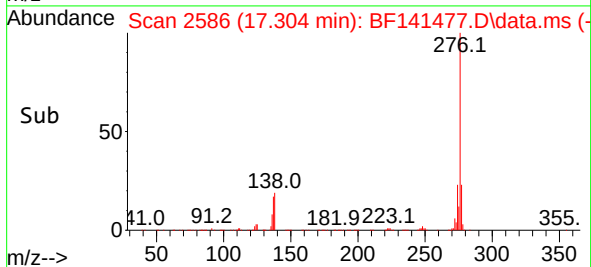
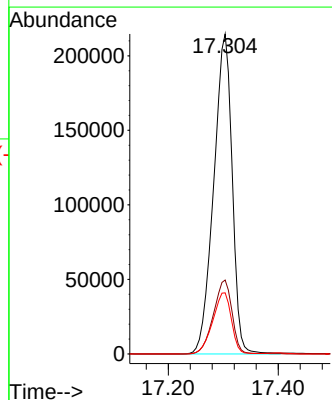
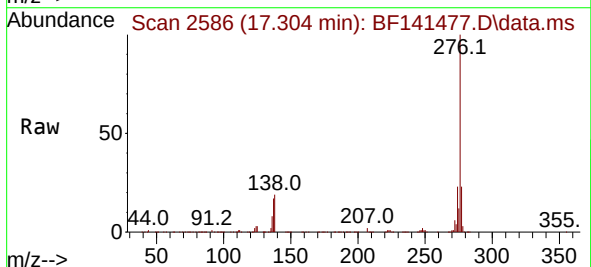
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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 Acq On : 06 Feb 2025 13:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

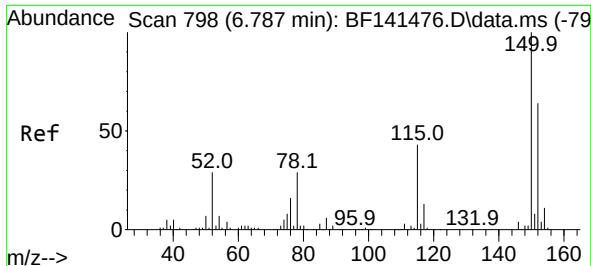
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

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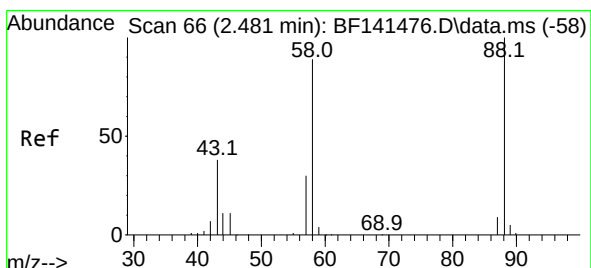
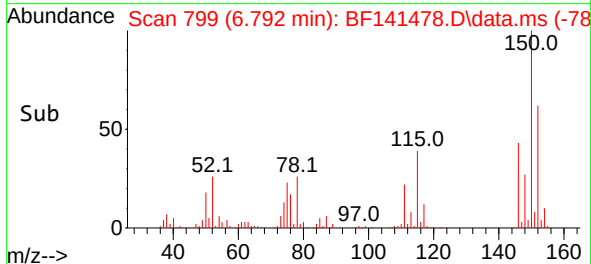
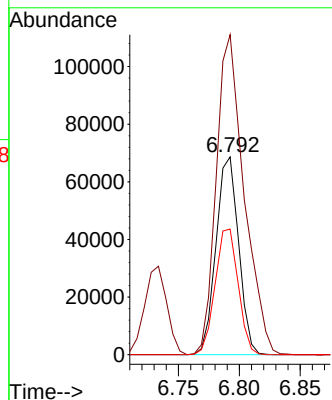
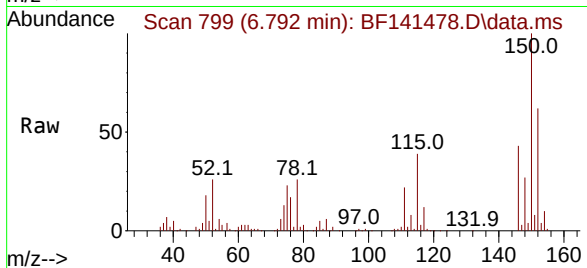
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BF141478.D
 Acq: 06 Feb 2025 13:47

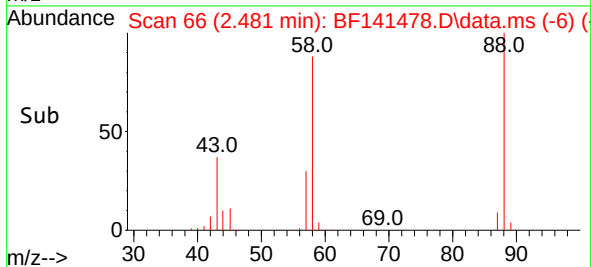
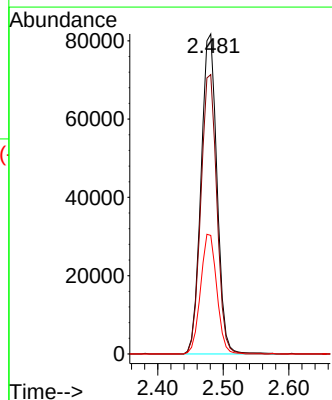
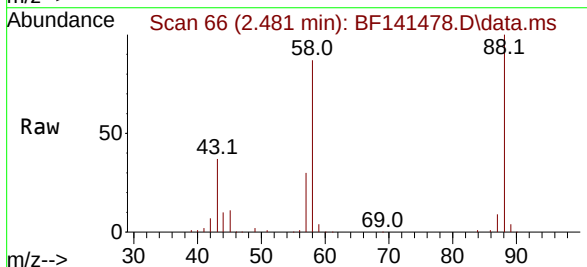
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 ClientSampleId :
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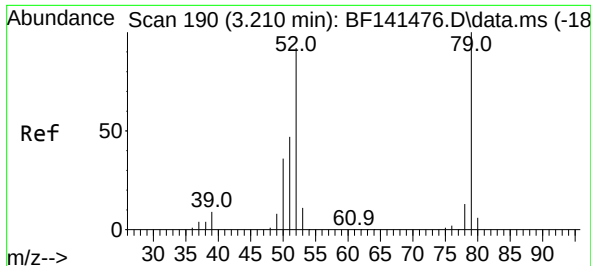
Tgt Ion:152 Resp: 88704
 Ion Ratio Lower Upper
 152 100
 150 161.8 125.0 187.4
 115 63.6 53.6 80.4



#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

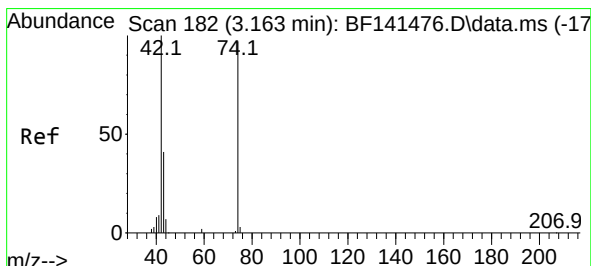
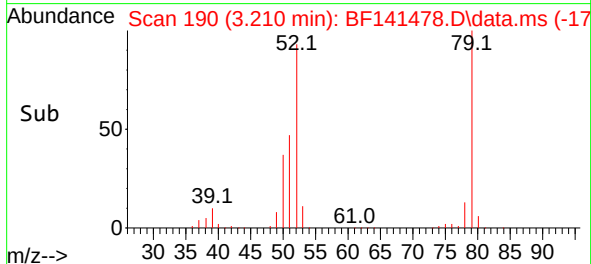
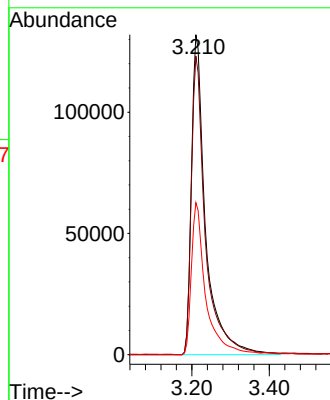
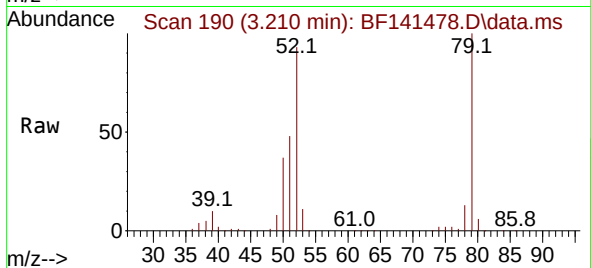




#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

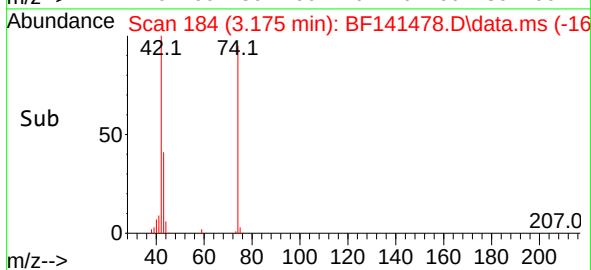
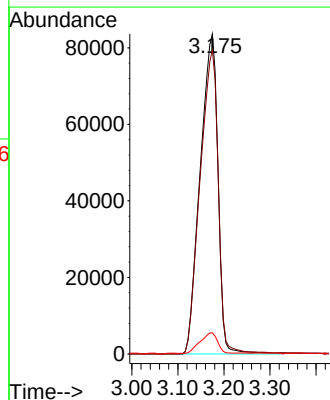
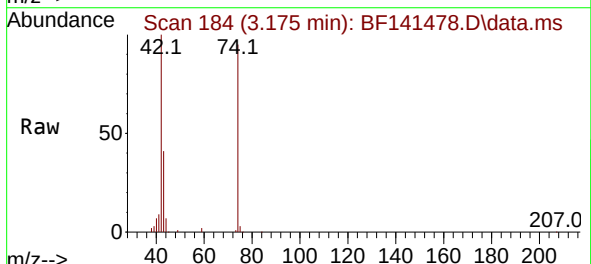
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BNA_F
ClientSampleId :
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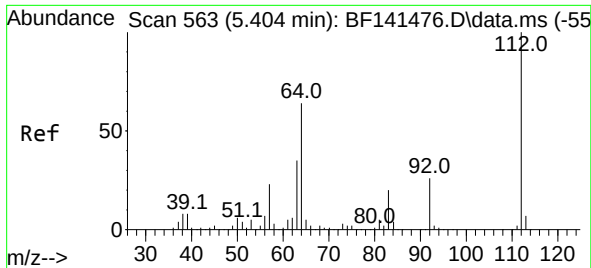
Tgt Ion: 79 Resp: 335519
Ion Ratio Lower Upper
79 100
52 93.3 73.7 110.5
51 47.5 37.5 56.3



#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

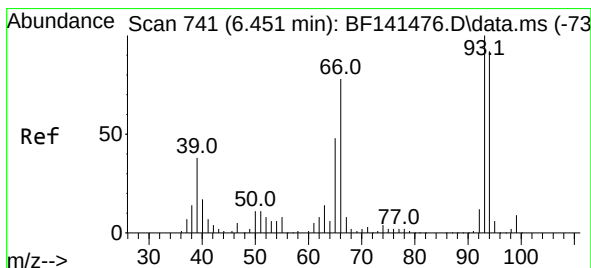
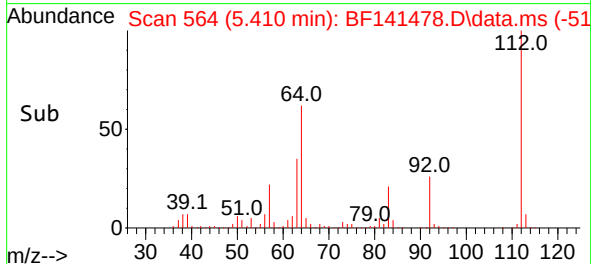
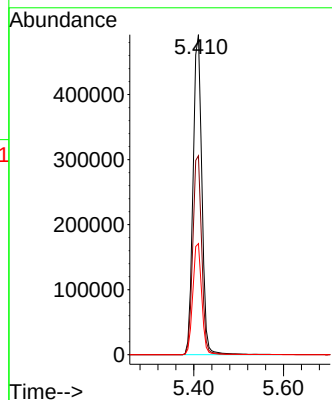
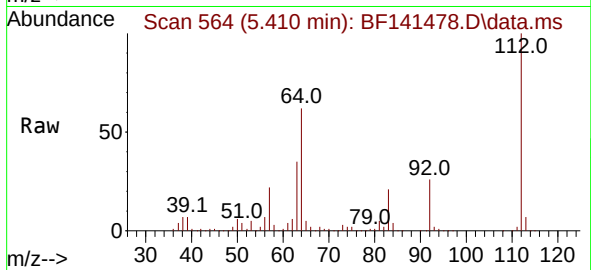




#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

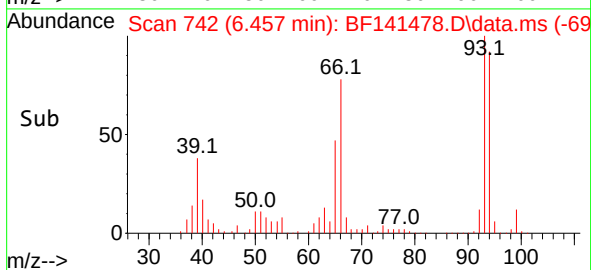
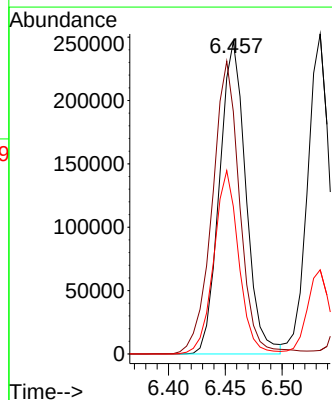
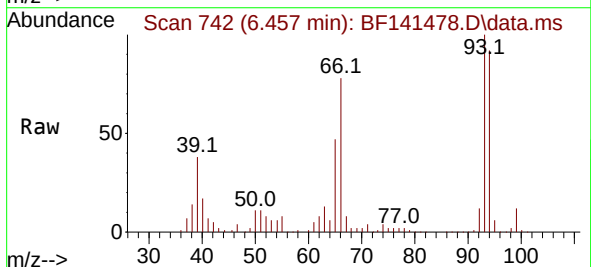
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ClientSampleId :
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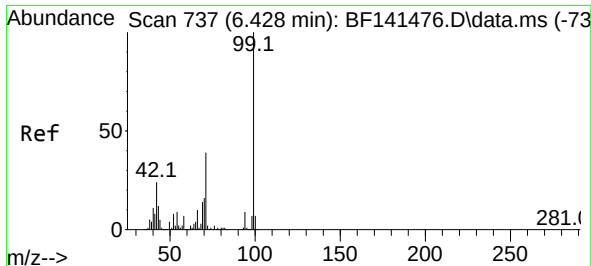
Tgt Ion:112 Resp: 672709
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 34.7 28.4 42.6



#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# 71

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

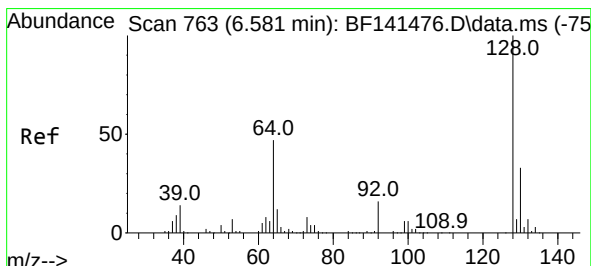
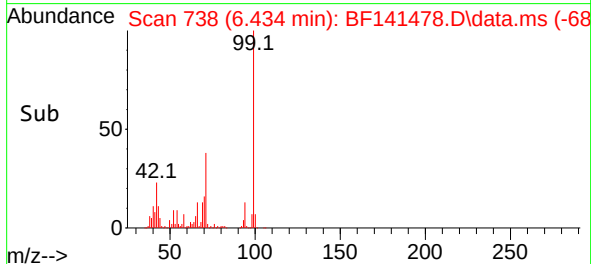
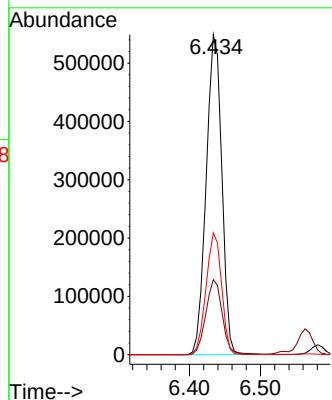
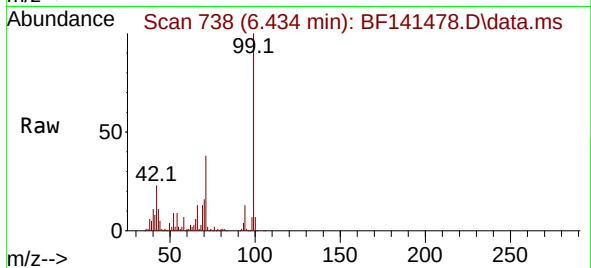
Tgt Ion: 99 Resp: 843410

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

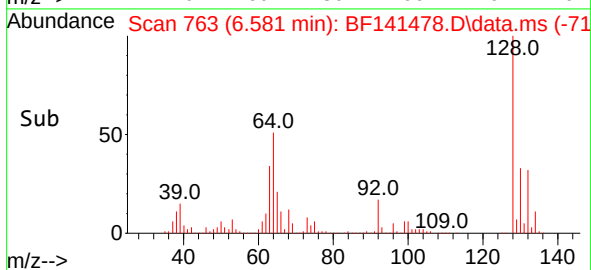
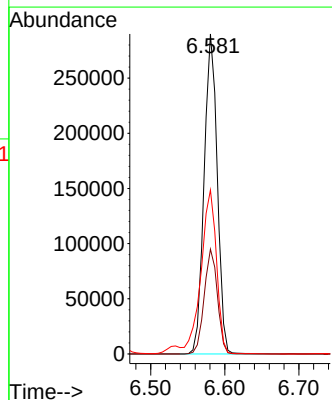
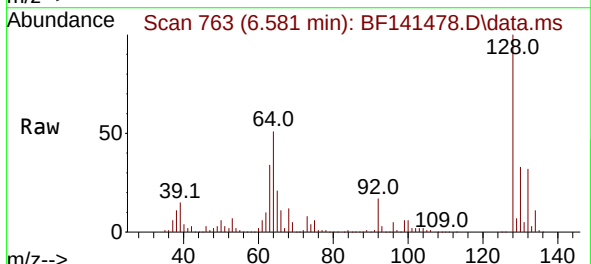
Tgt Ion: 128 Resp: 358027

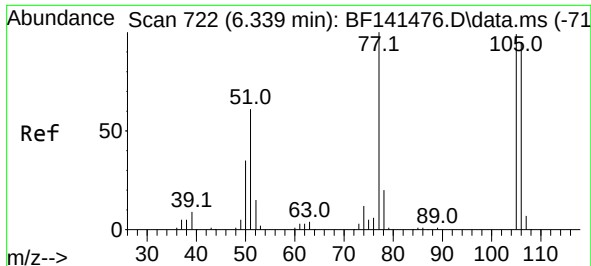
Ion Ratio Lower Upper

128 100

130 32.8 12.7 52.7

64 51.3 28.3 68.3

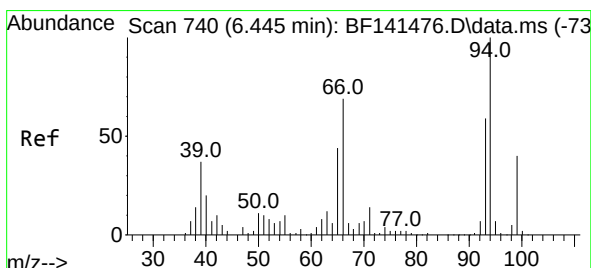
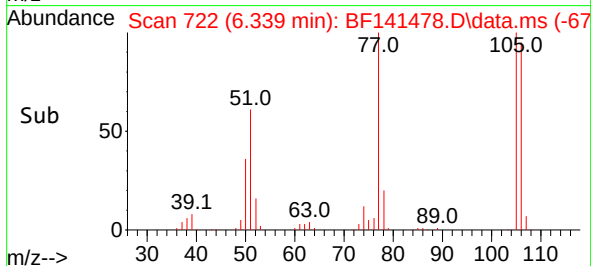
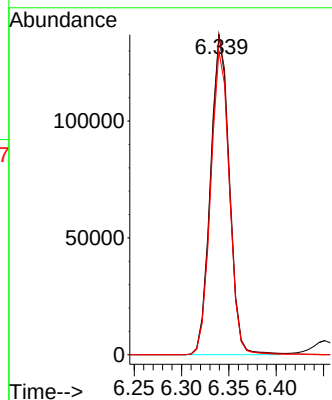
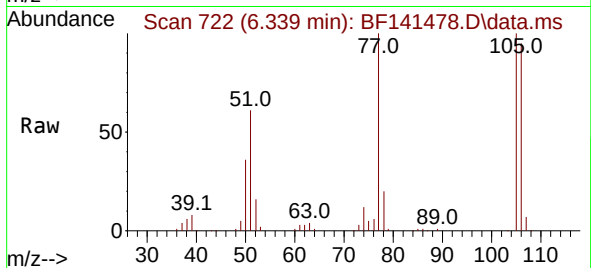




#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

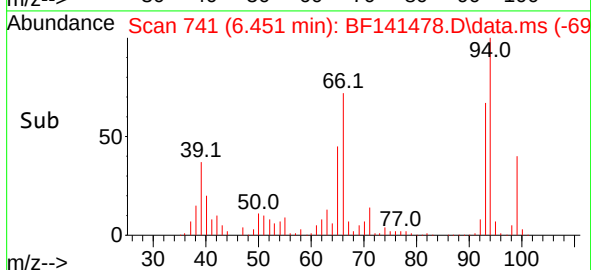
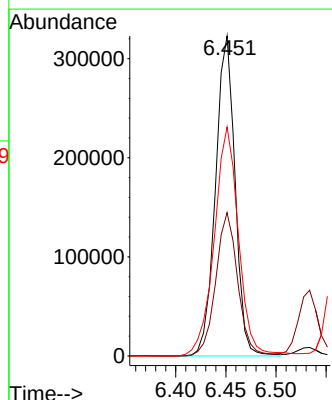
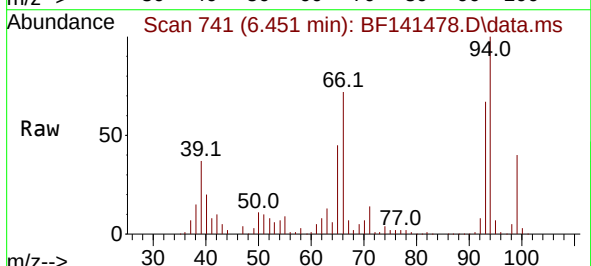
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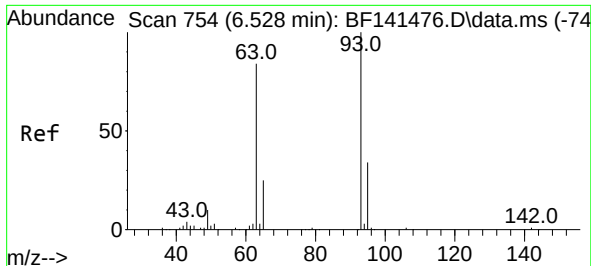
Tgt Ion: 77 Resp: 187887
Ion Ratio Lower Upper
77 100
105 99.7 79.4 119.4
106 94.9 75.1 115.1



#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

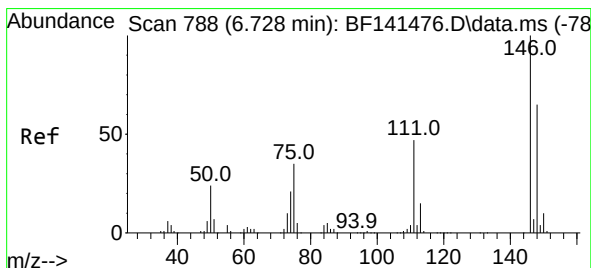
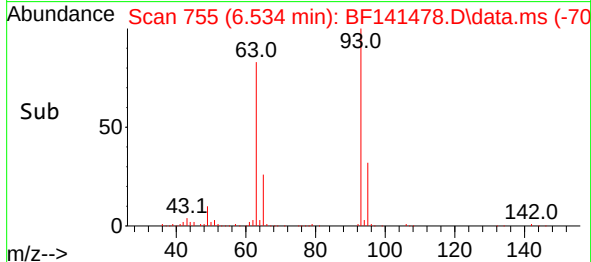
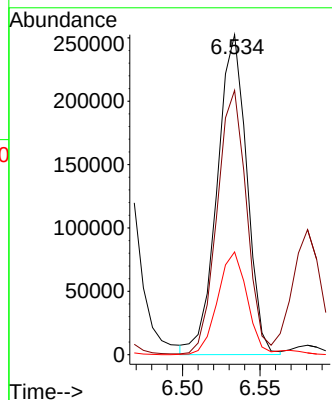
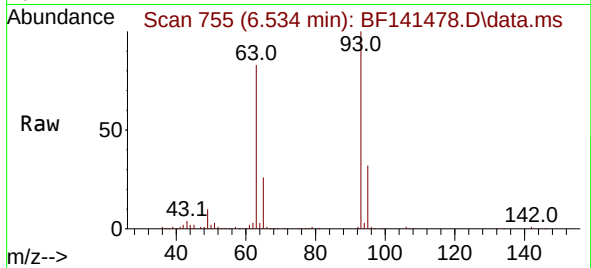




#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

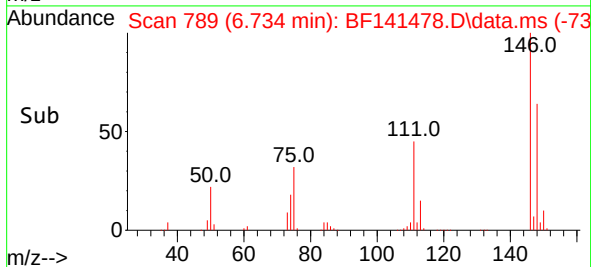
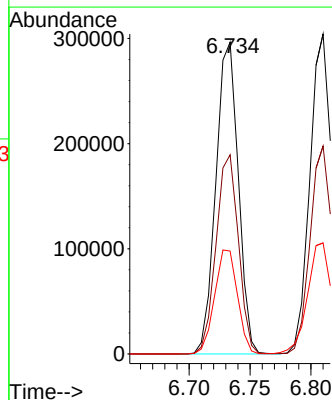
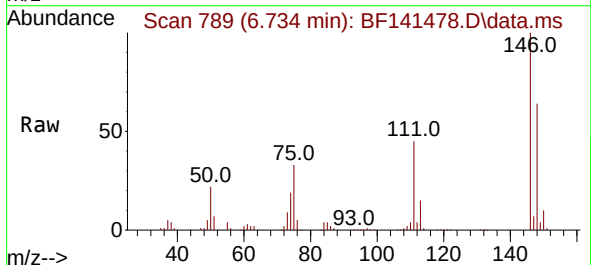
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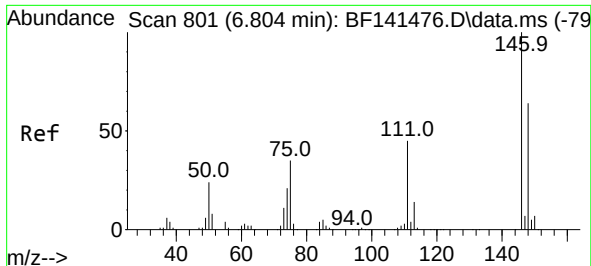
Tgt Ion: 93 Resp: 335957
Ion Ratio Lower Upper
93 100
63 82.6 62.0 102.0
95 32.1 12.6 52.6



#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

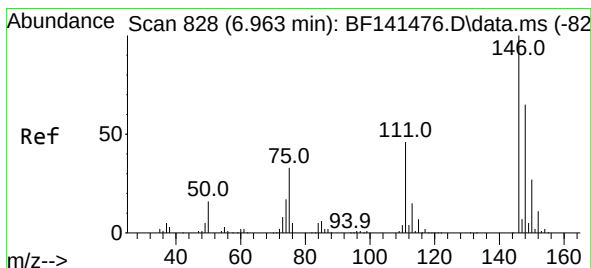
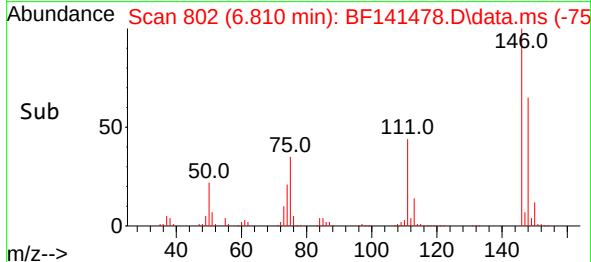
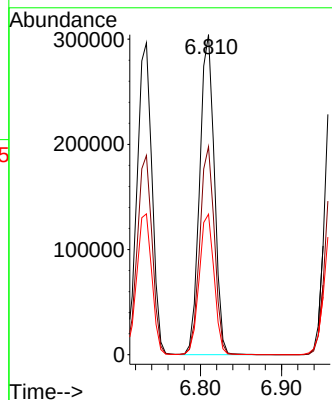
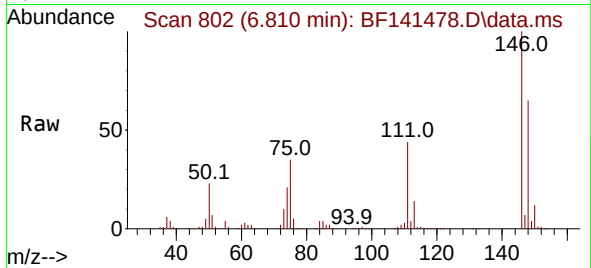




#13
1,4-Dichlorobenzene
Concen: 58.050 ng
RT: 6.810 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

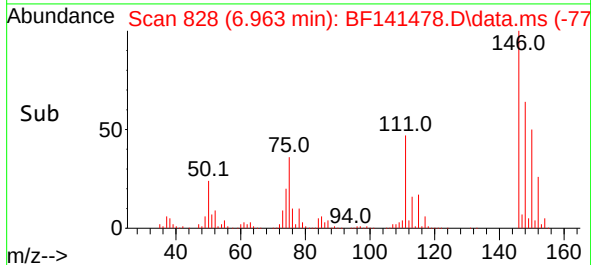
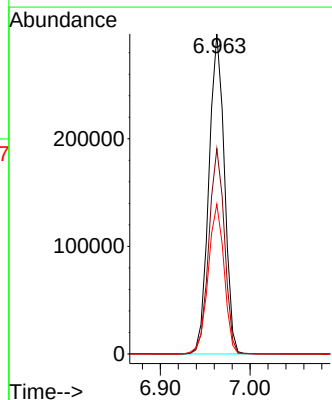
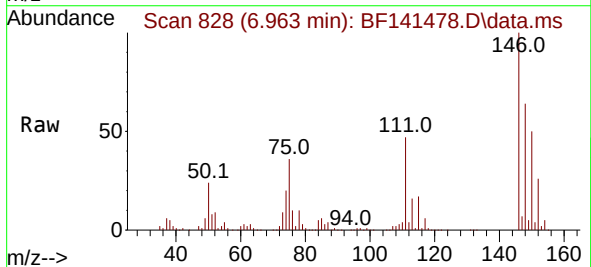
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

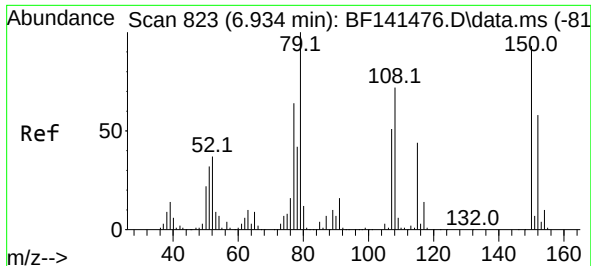
Tgt Ion:146 Resp: 382812
Ion Ratio Lower Upper
146 100
148 65.0 50.9 76.3
111 43.9 35.9 53.9



#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

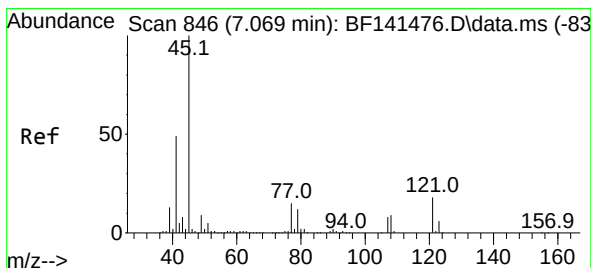
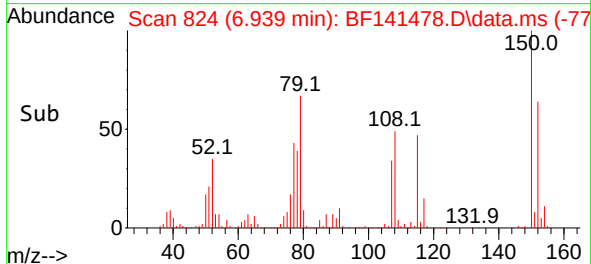
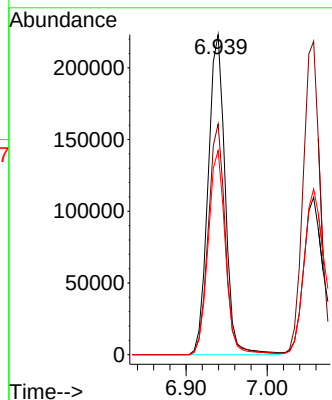
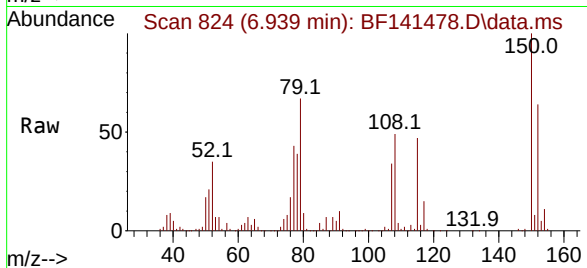




#15
Benzyl Alcohol
Concen: 59.125 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

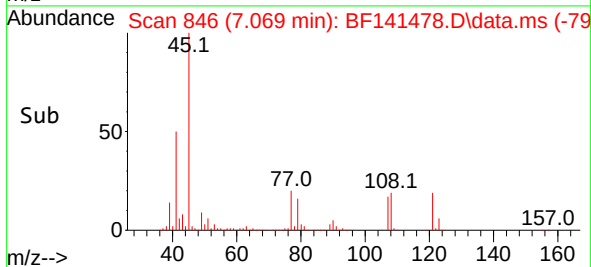
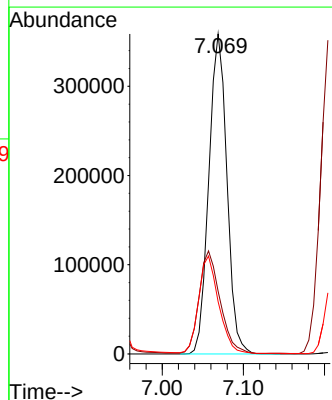
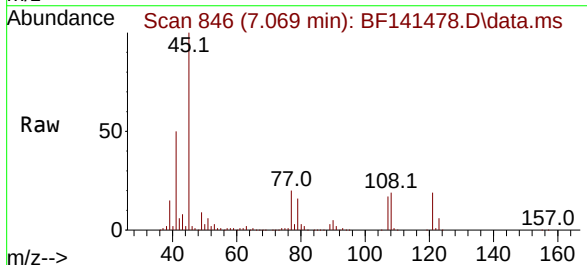
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

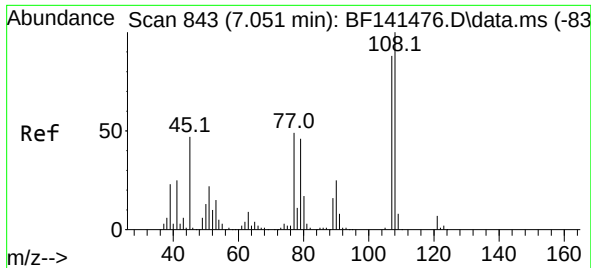
Tgt Ion: 79 Resp: 324244
Ion Ratio Lower Upper
79 100
108 72.1 57.4 86.2
77 63.8 50.9 76.3



#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

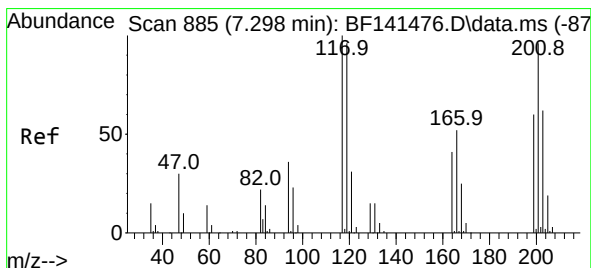
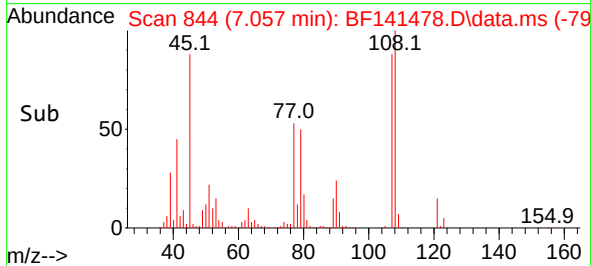
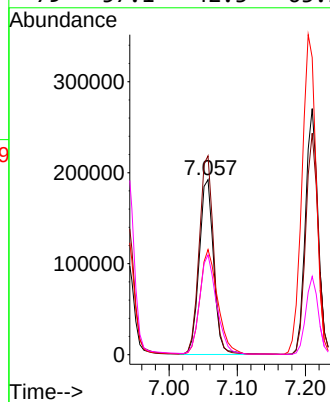
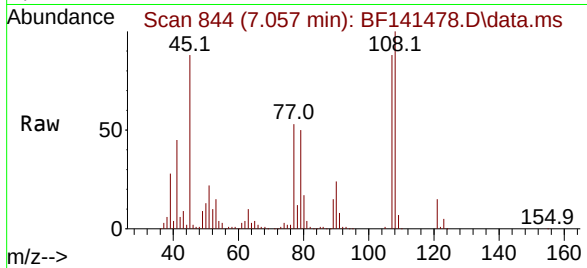




#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

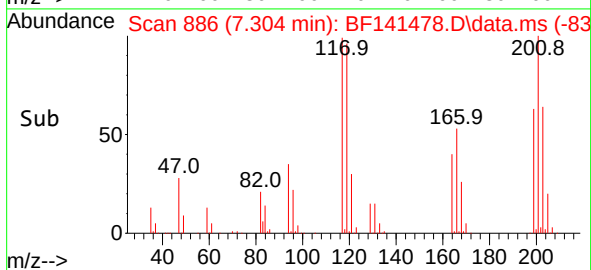
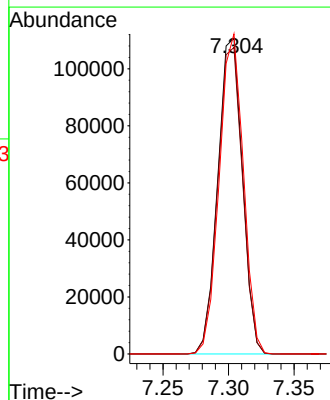
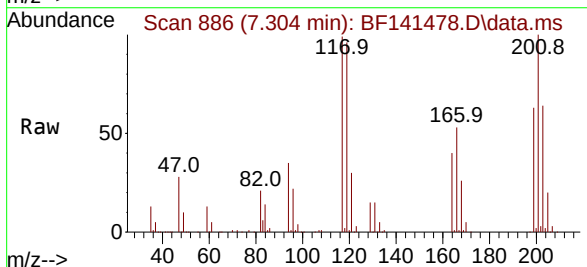
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

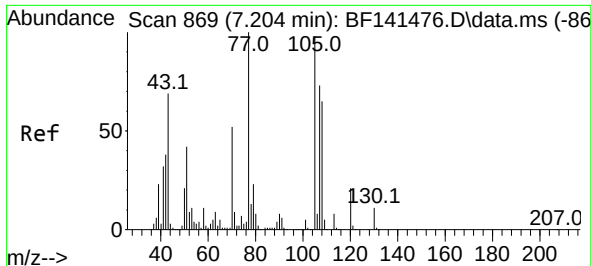
Tgt Ion:	107	Resp:	283563
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	136.0
77	60.1	44.4	66.6
79	57.1	42.3	63.5



#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



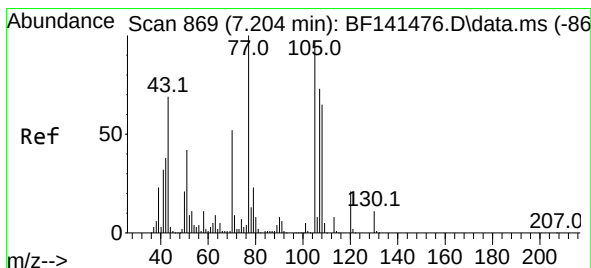
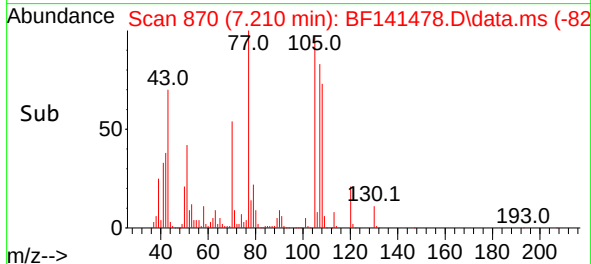
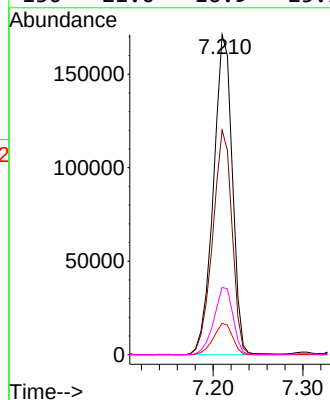
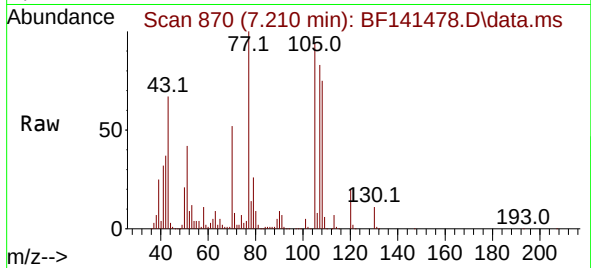


#19
n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 250412

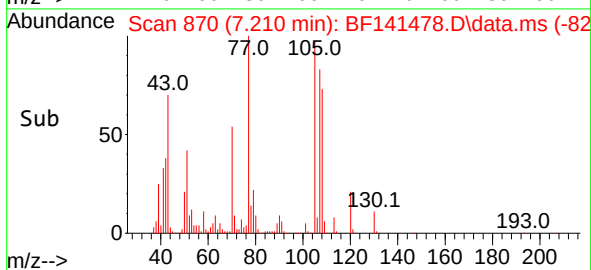
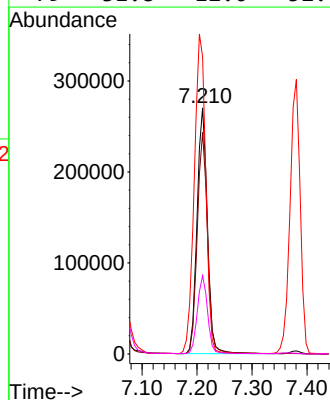
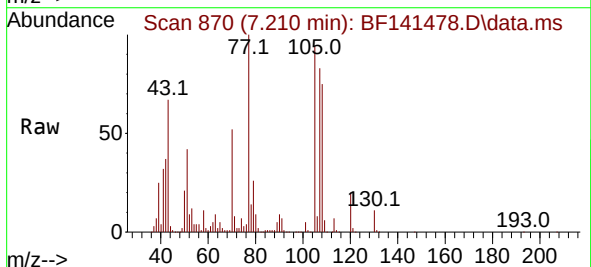
Ion	Ratio	Lower	Upper
70	100		
42	70.1	57.4	86.2
101	9.8	8.0	12.0
130	21.0	16.9	25.3

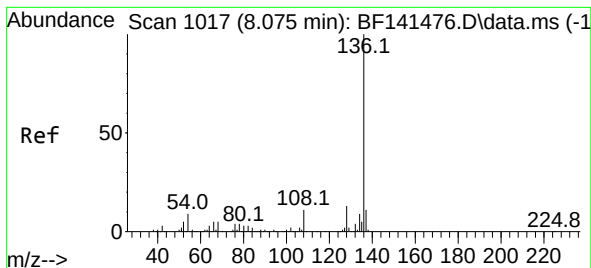


#20
3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



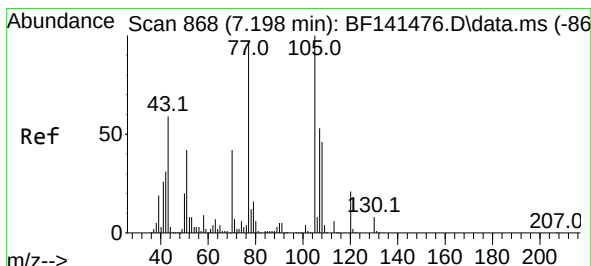
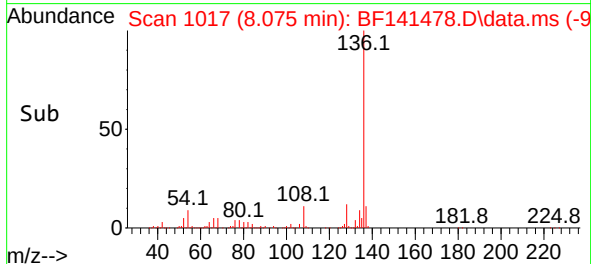
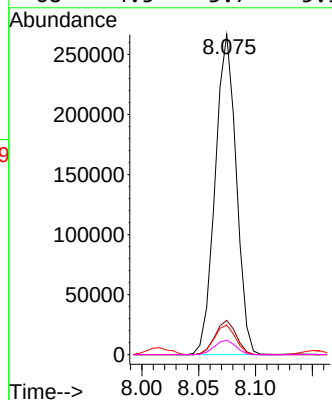
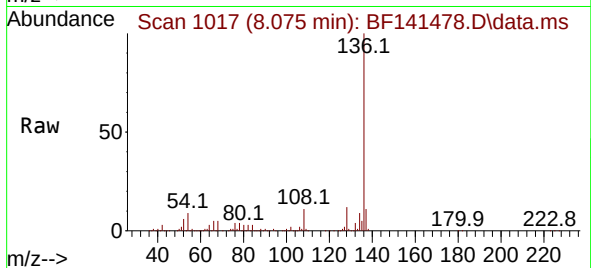


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 344609

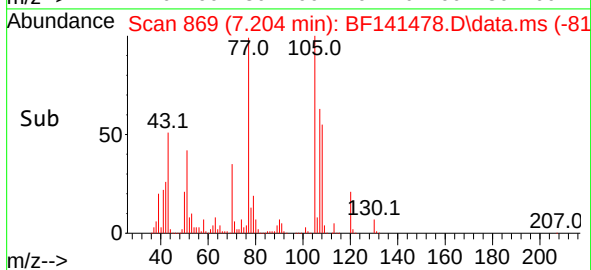
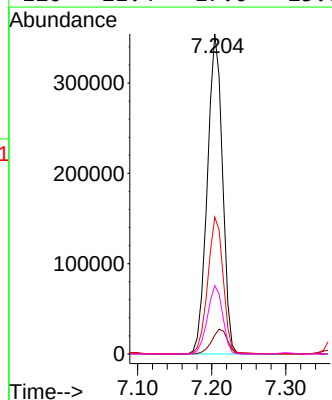
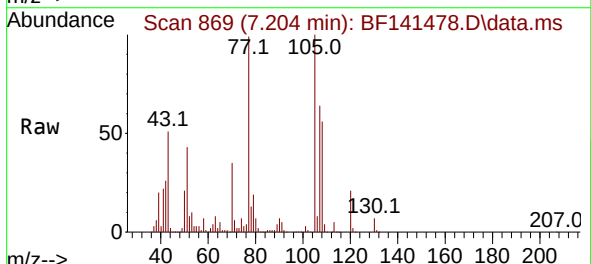
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.5	3.7	5.5

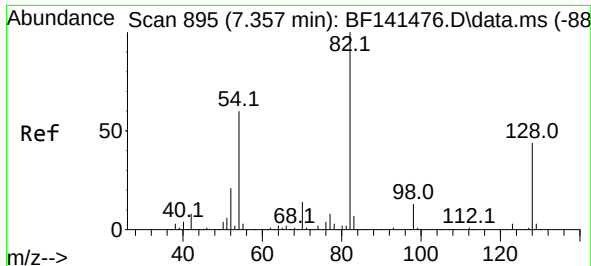


#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

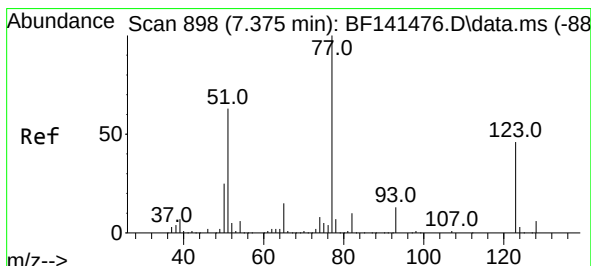
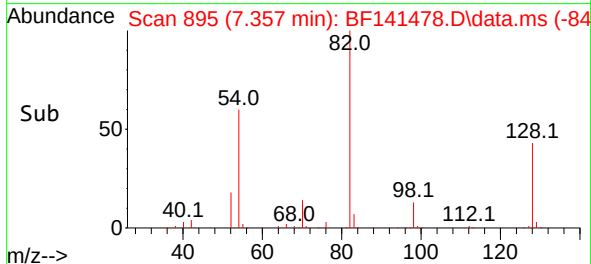
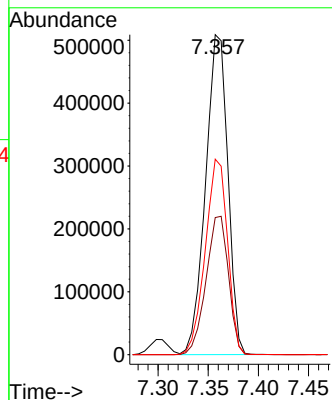
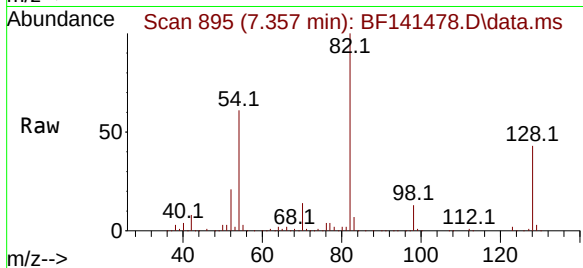




#23
Nitrobenzene-d5
Concen: 119.351 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

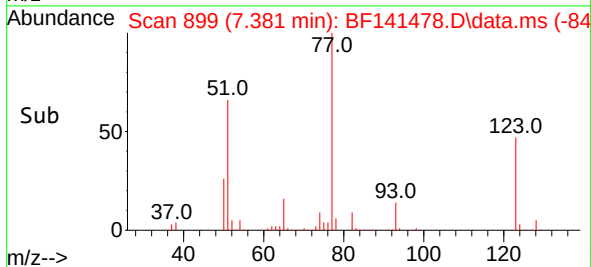
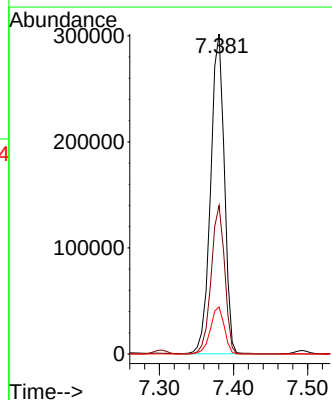
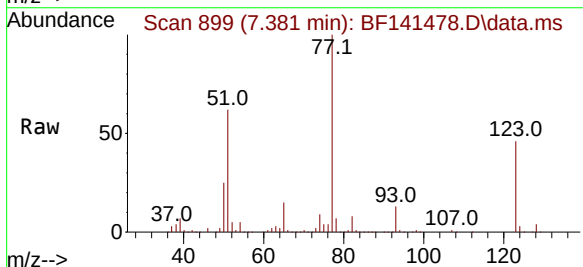
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

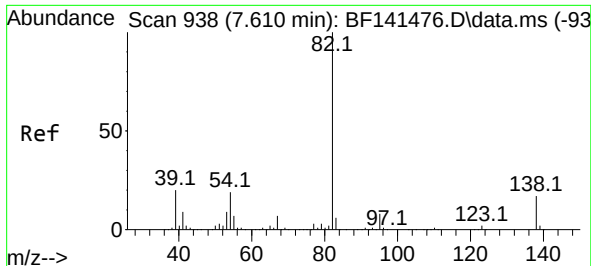
Tgt Ion: 82 Resp: 788550
Ion Ratio Lower Upper
82 100
128 42.9 34.8 52.2
54 61.1 48.2 72.4



#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

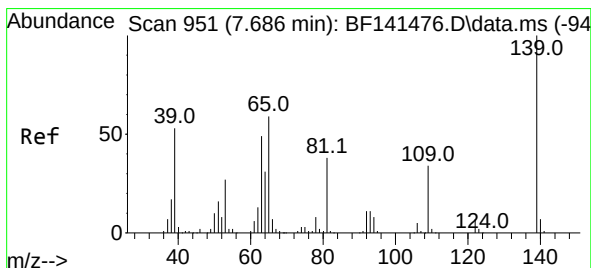
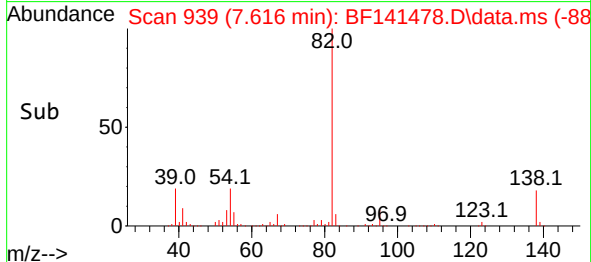
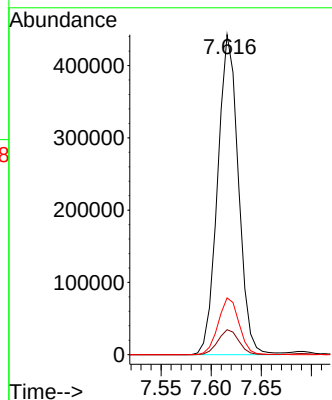
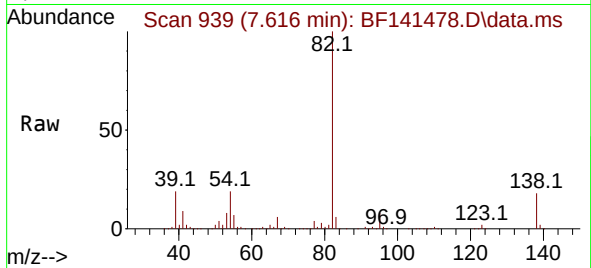




#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

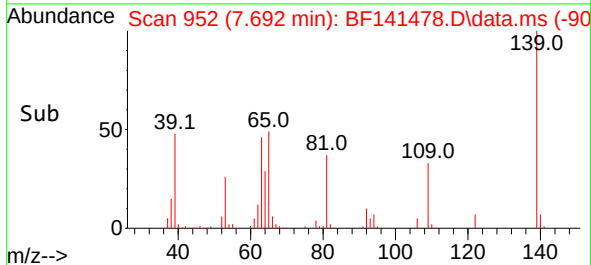
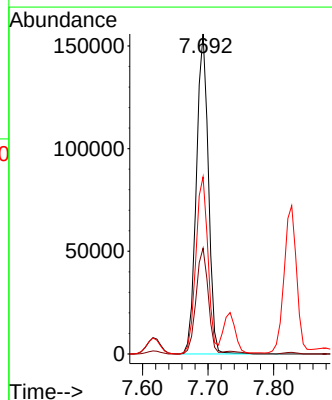
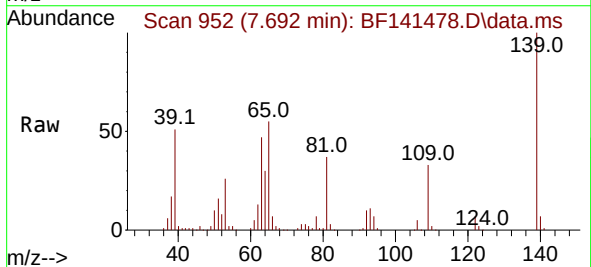
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

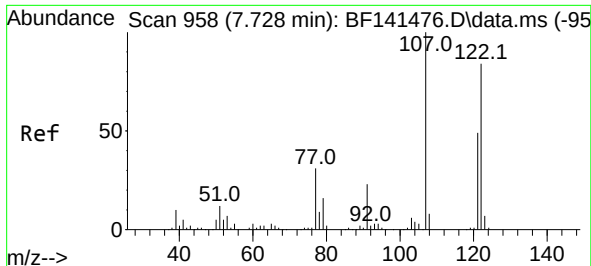
Tgt Ion: 82 Resp: 638004
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.7 13.9 20.9



#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

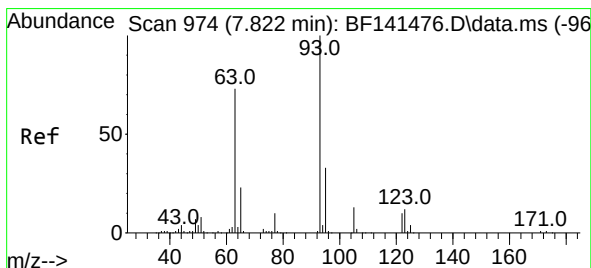
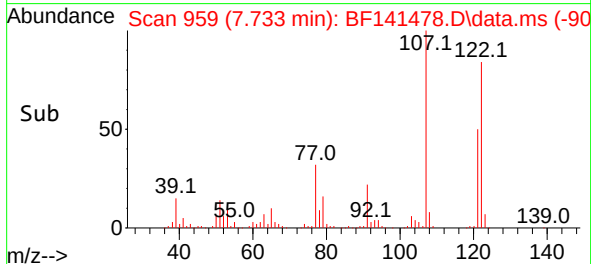
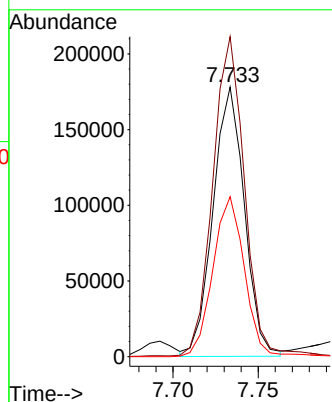
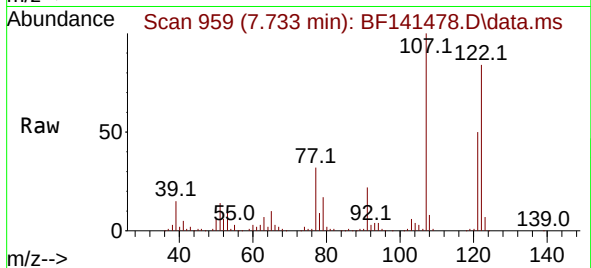




#27
2,4-Dimethylphenol
Concen: 60.836 ng
RT: 7.733 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

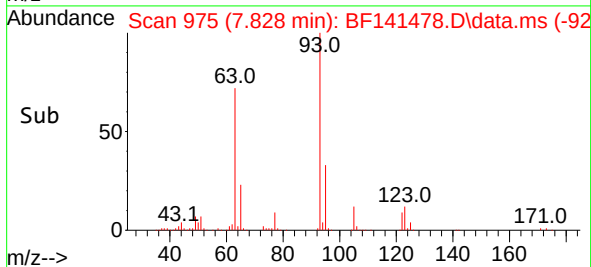
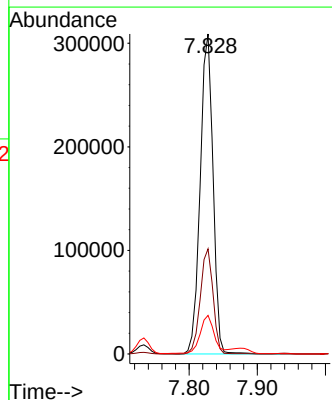
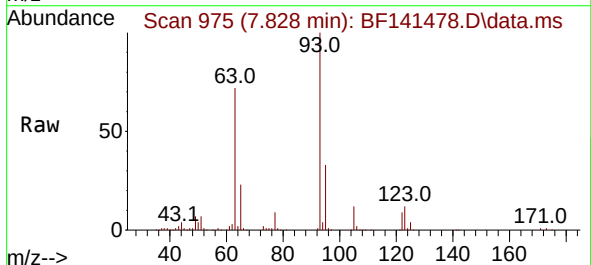
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

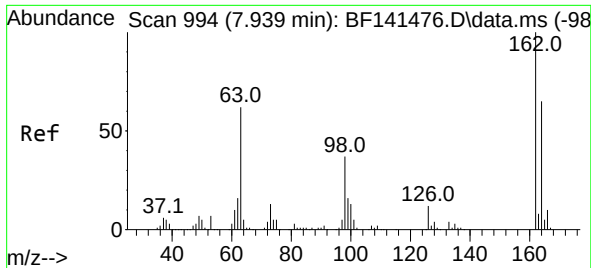
Tgt Ion:122 Resp: 227803
Ion Ratio Lower Upper
122 100
107 118.7 94.3 141.5
121 59.4 46.0 69.0



#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

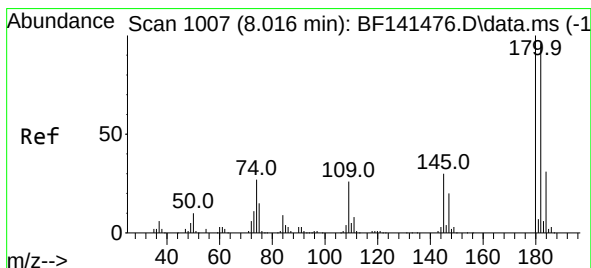
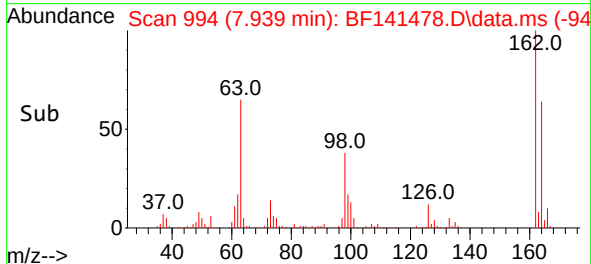
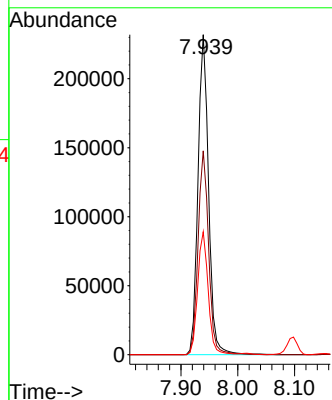
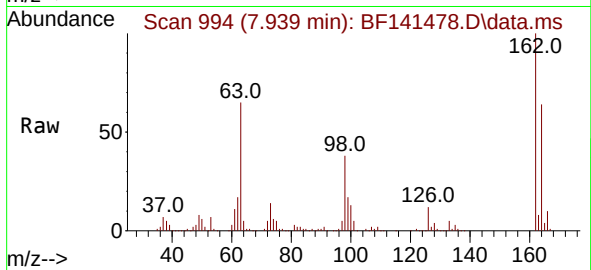




#29
2,4-Dichlorophenol
Concen: 59.683 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

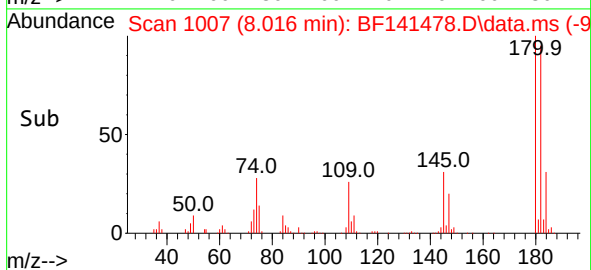
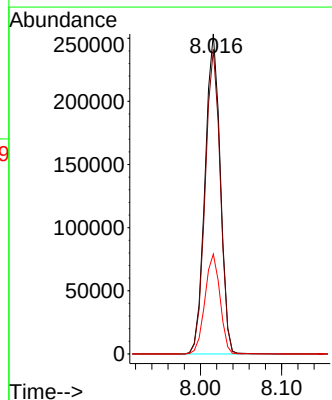
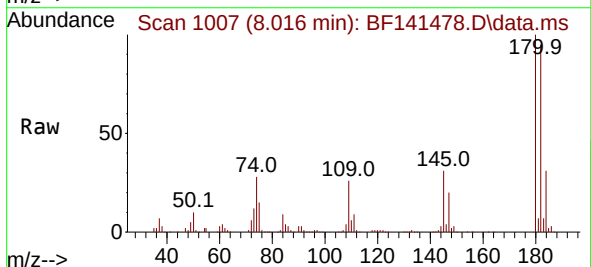
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

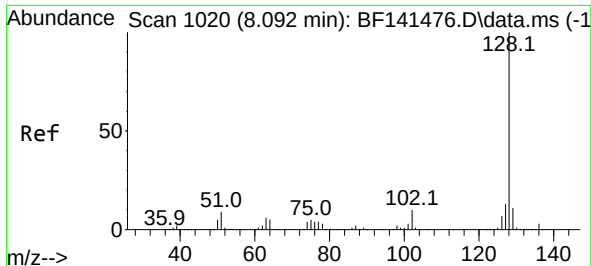
Tgt Ion:162	Resp:	301959
Ion Ratio	Lower	Upper
162	100	
164	63.7	44.6 84.6
98	38.4	17.2 57.2



#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

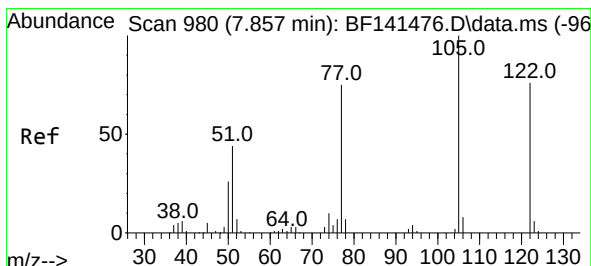
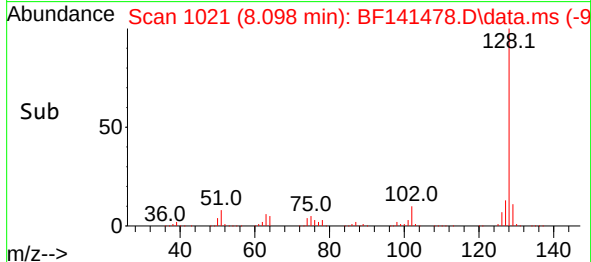
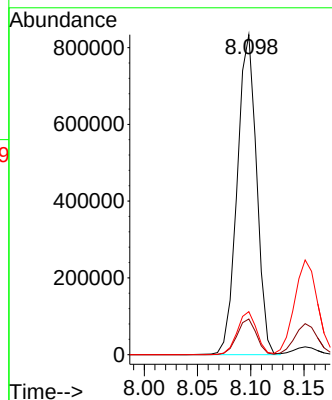
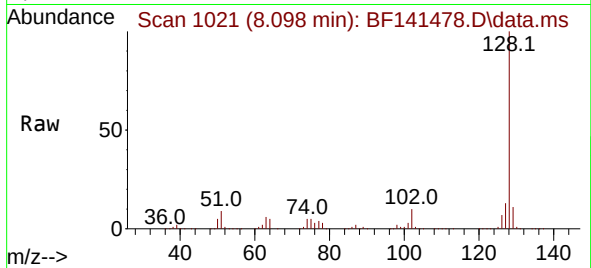




#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

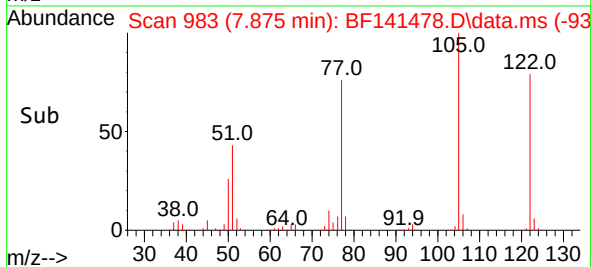
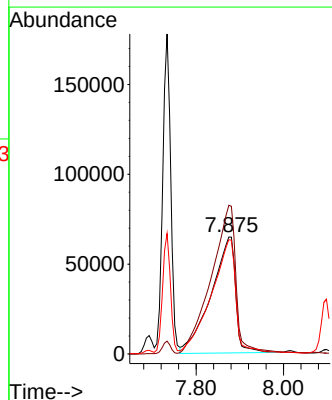
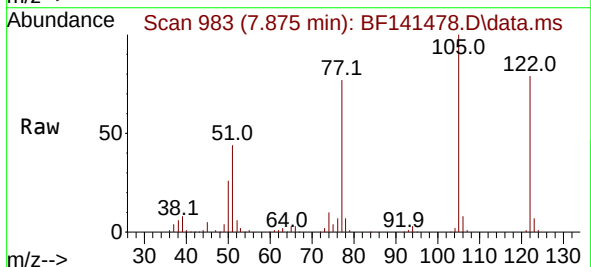
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

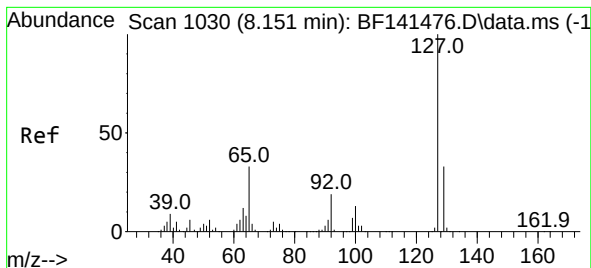
Tgt Ion:128 Resp: 1056367
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#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

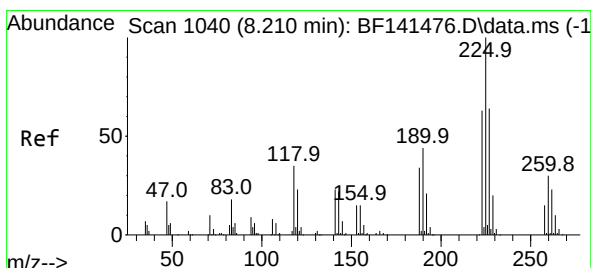
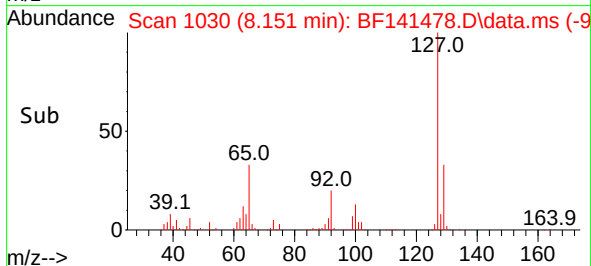
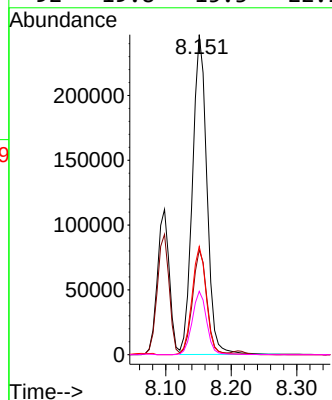
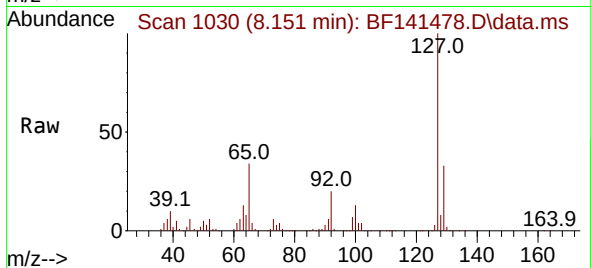
Ion Ratio Lower Upper

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

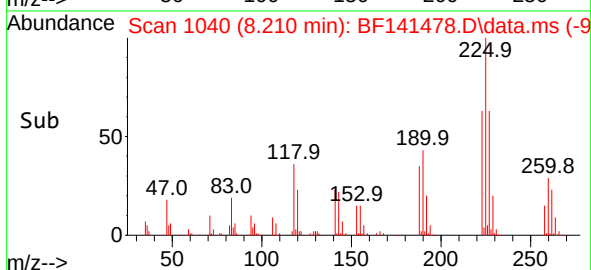
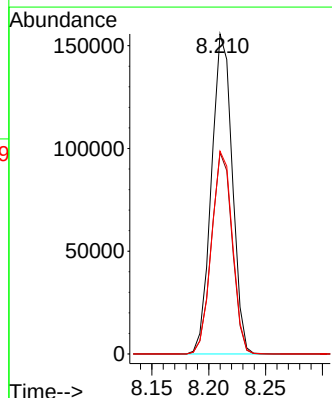
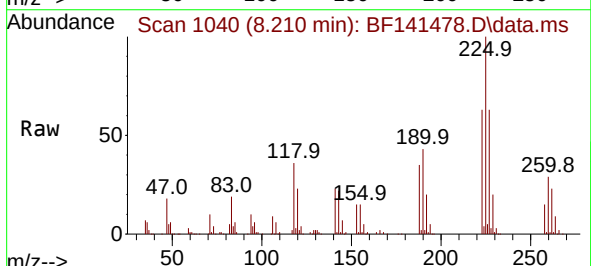
Tgt Ion:225 Resp: 197955

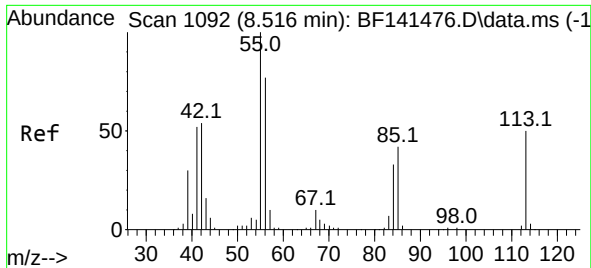
Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 63.4 51.0 76.6

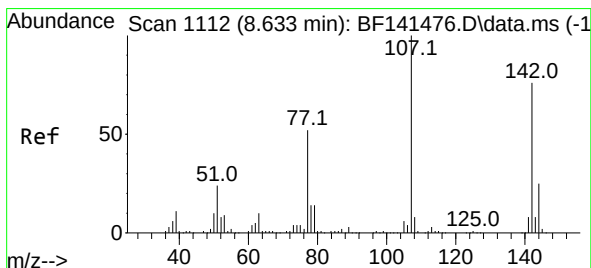
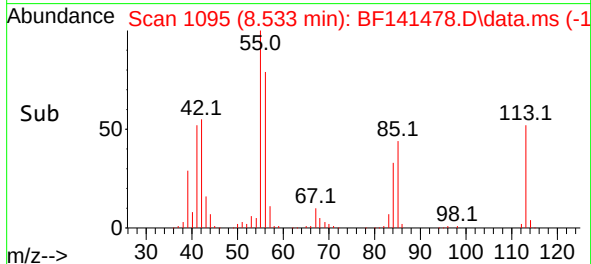
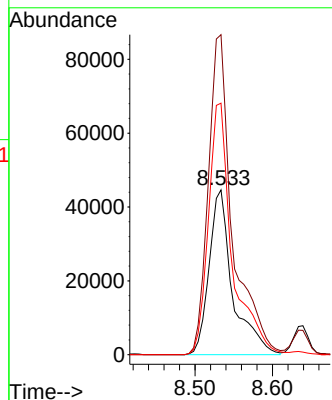
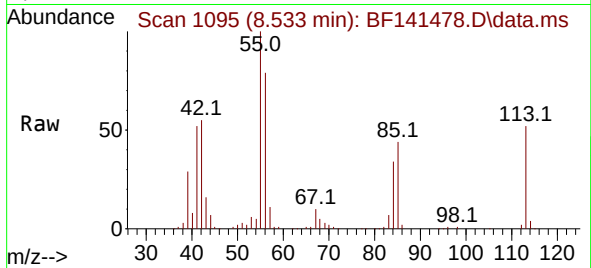




#35
 Caprolactam
 Concen: 61.291 ng
 RT: 8.533 min Scan# 1109
 Delta R.T. -0.012 min
 Lab File: BF141478.D
 Acq: 06 Feb 2025 13:47

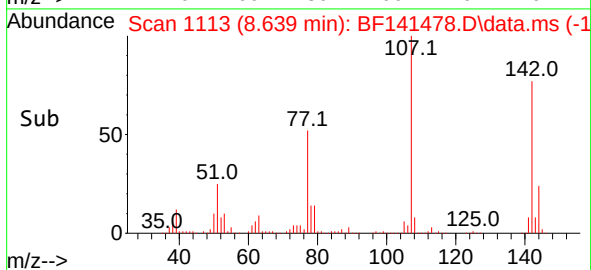
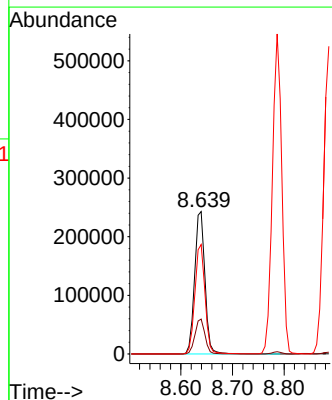
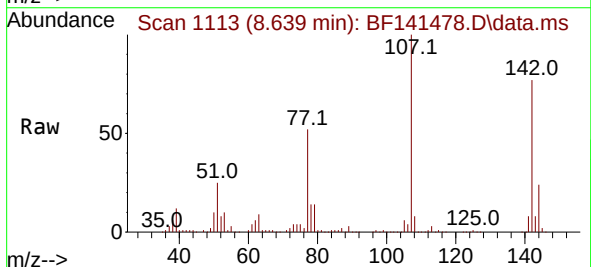
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

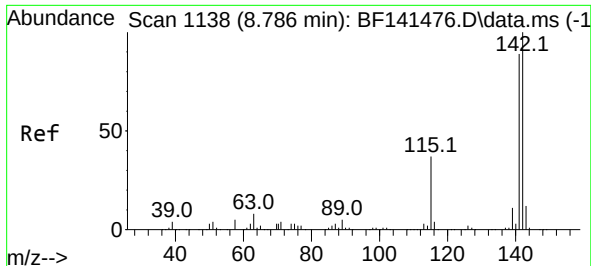
Tgt Ion:113 Resp: 94415
 Ion Ratio Lower Upper
 113 100
 55 194.1 180.8 220.8
 56 152.5 133.6 173.6



#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

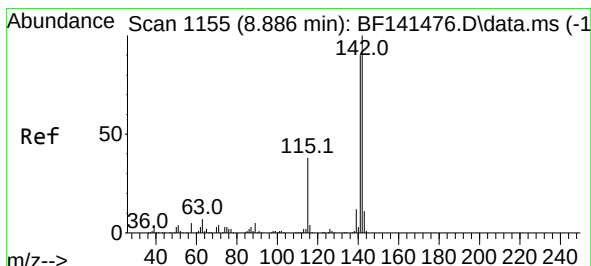
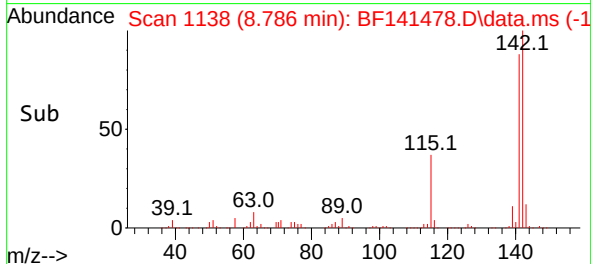
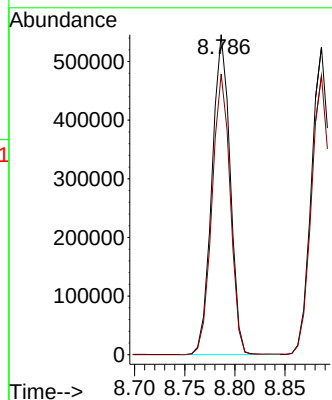
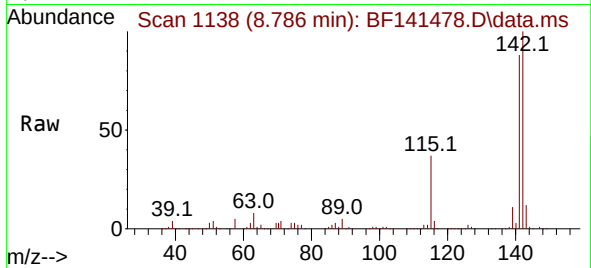




#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

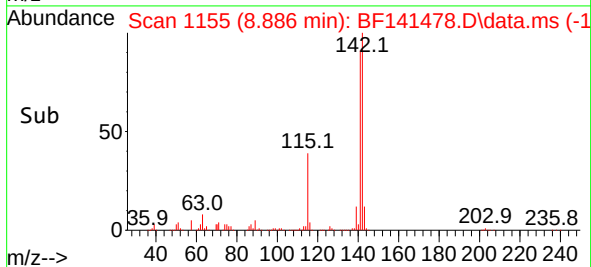
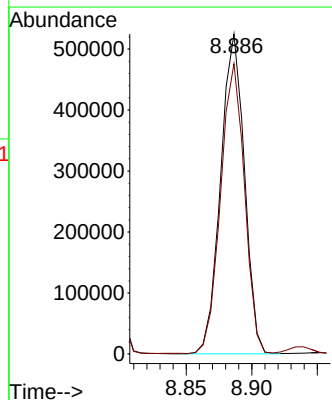
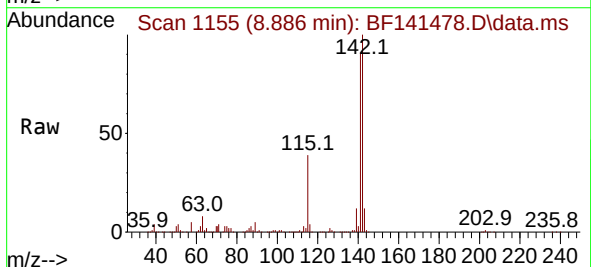
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

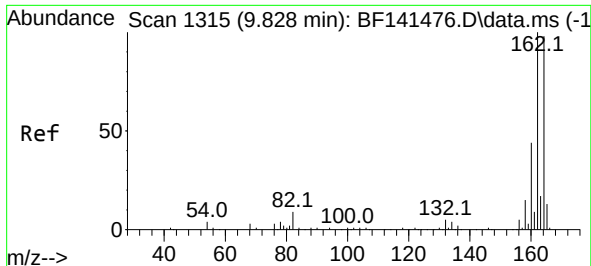
Tgt Ion:142 Resp: 688021
Ion Ratio Lower Upper
142 100
141 87.7 71.2 106.8



#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

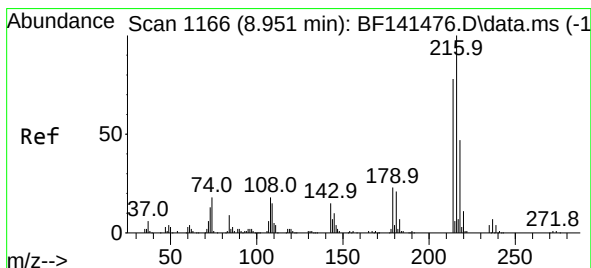
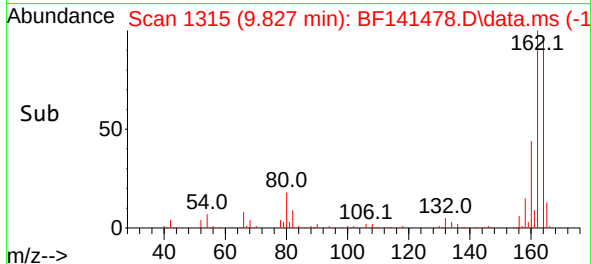
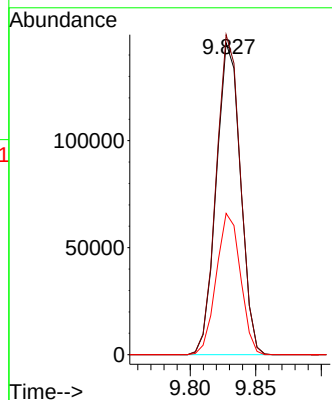
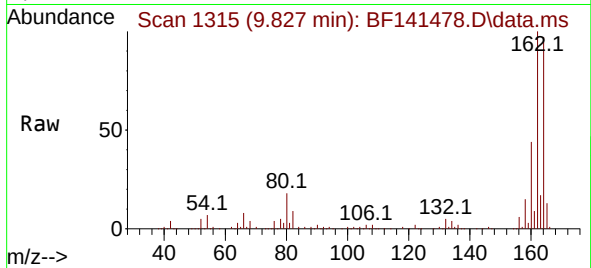




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

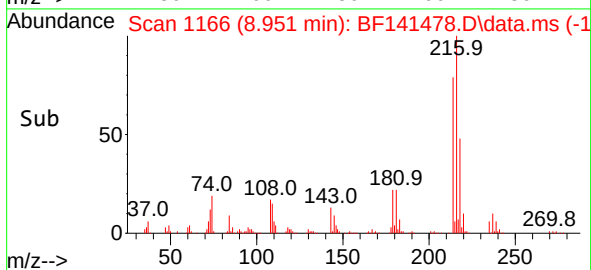
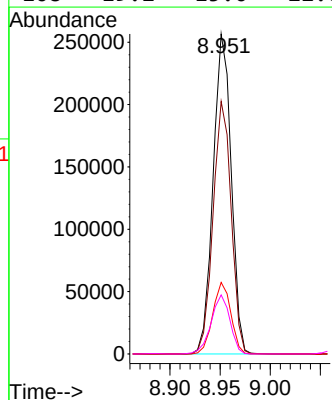
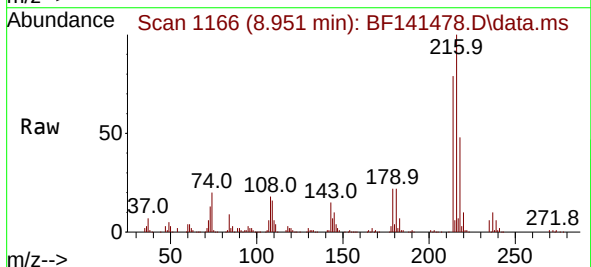
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

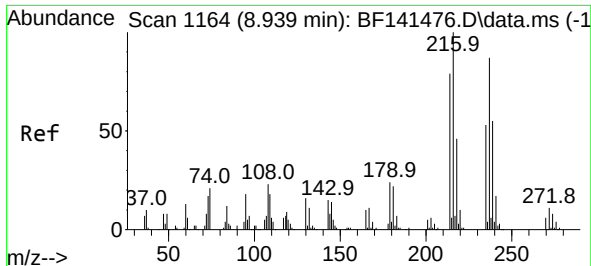
Tgt Ion:164 Resp: 186729
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 45.3 35.9 53.9



#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

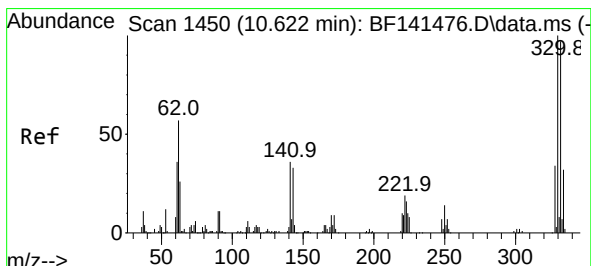
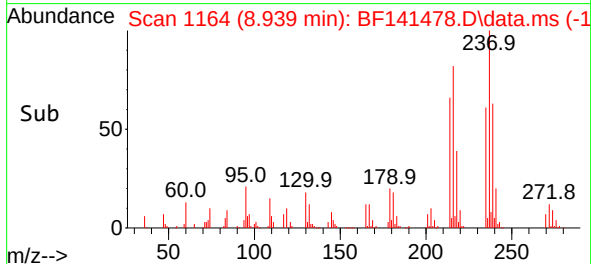
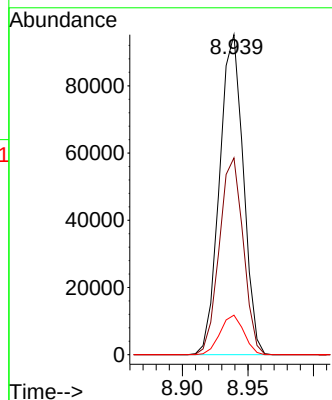
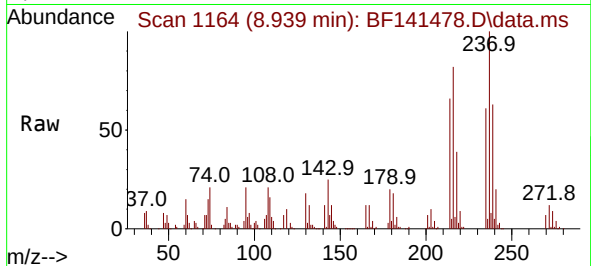




#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

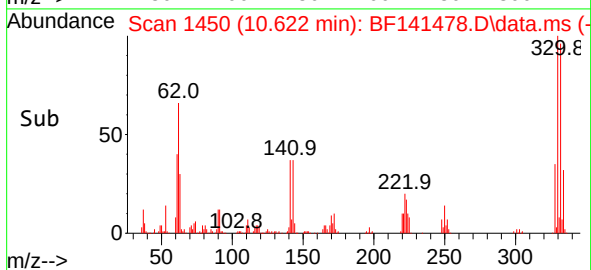
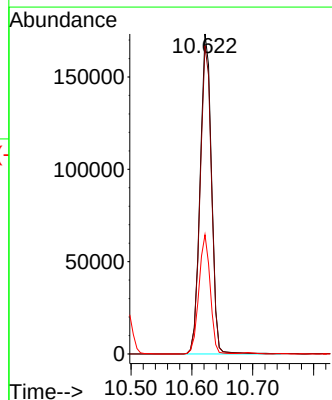
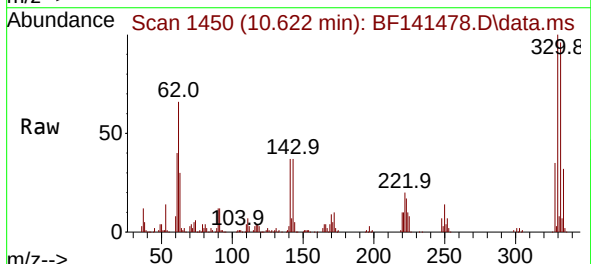
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

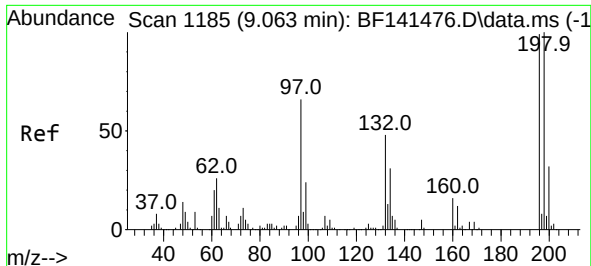
Tgt Ion:237 Resp: 120063
Ion Ratio Lower Upper
237 100
235 61.5 41.4 81.4
272 12.4 0.0 32.4



#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

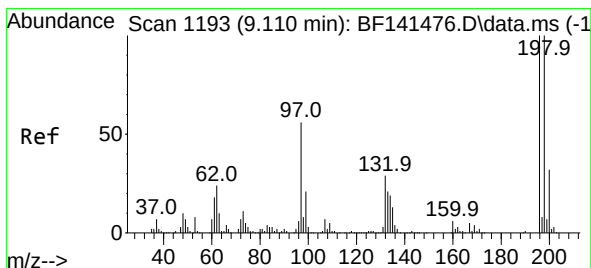
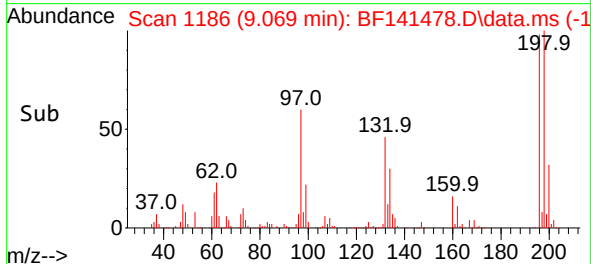
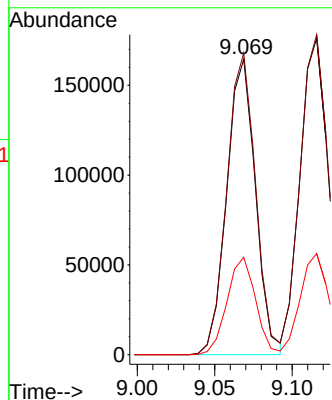
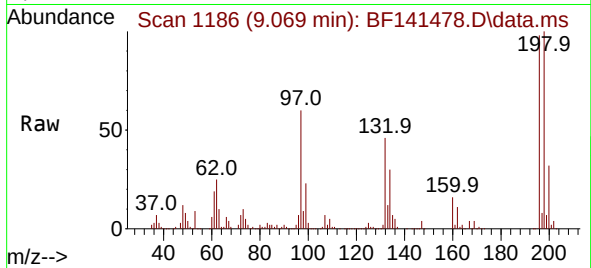




#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

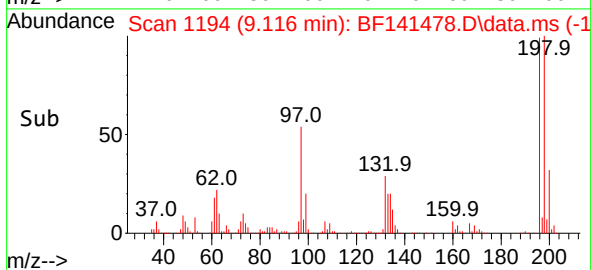
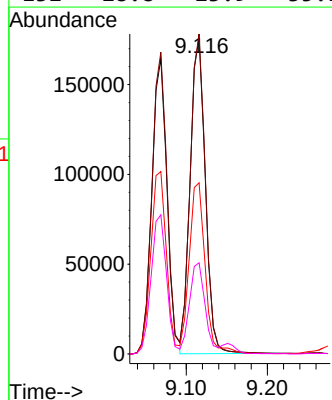
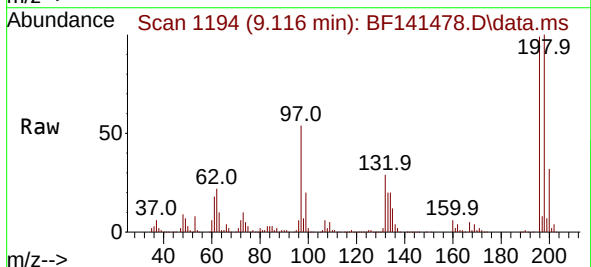
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

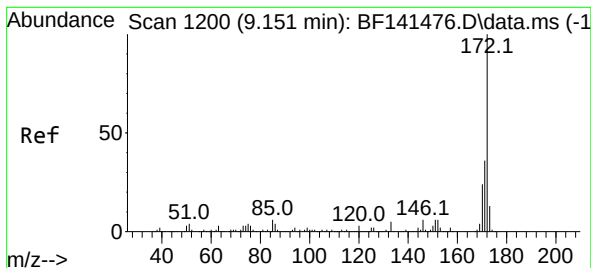
Tgt Ion:196 Resp: 211702
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 33.0 25.5 38.3



#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# 1

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

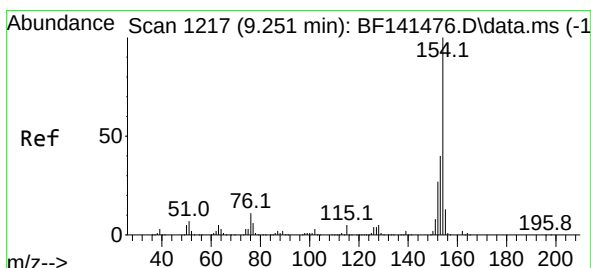
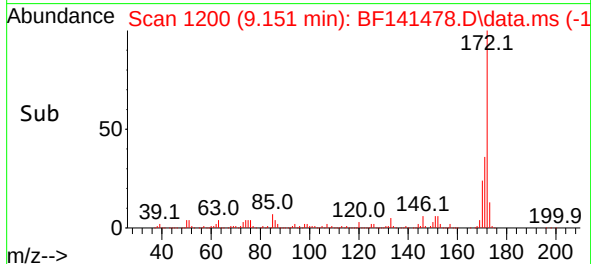
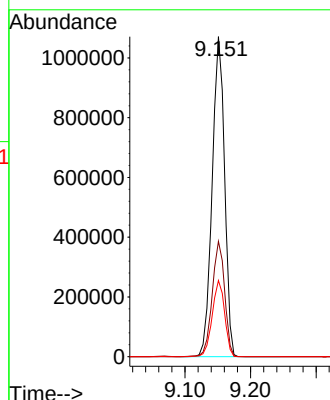
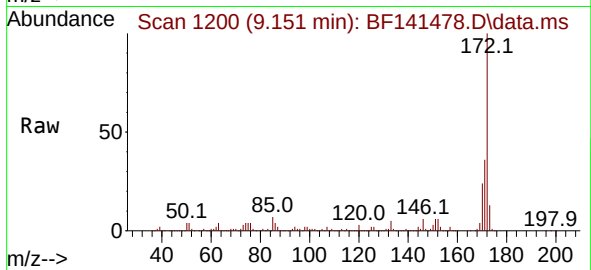
Tgt Ion:172 Resp: 1410277

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

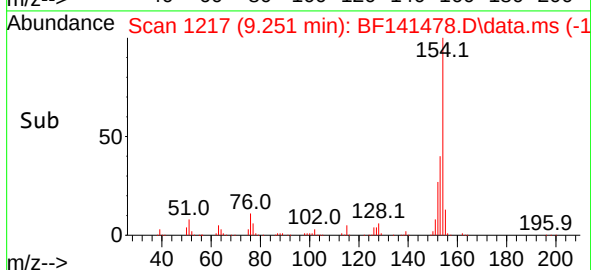
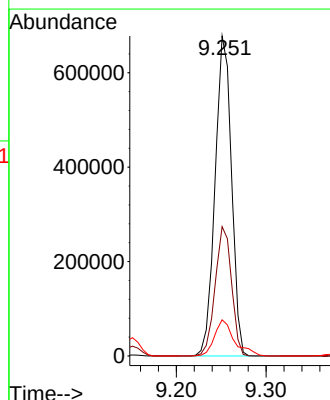
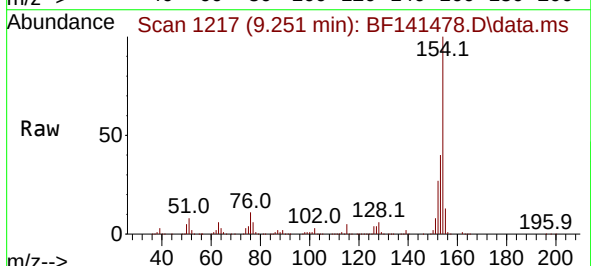
Tgt Ion:154 Resp: 861067

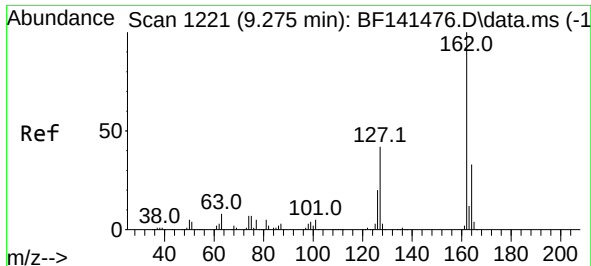
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.3 0.0 30.8

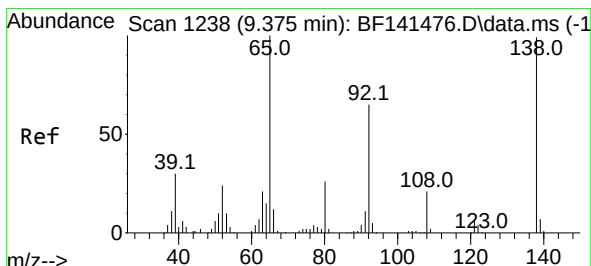
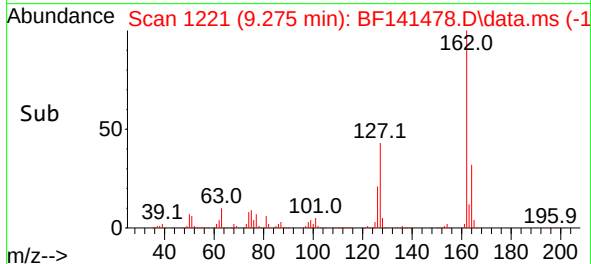
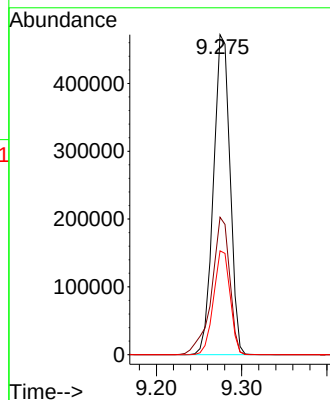
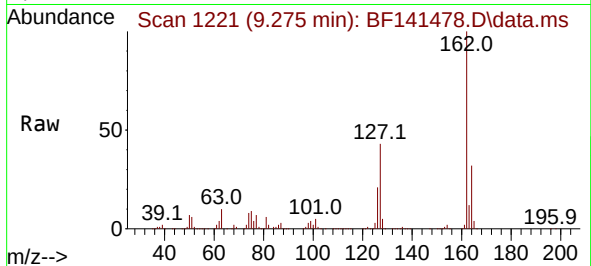




#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

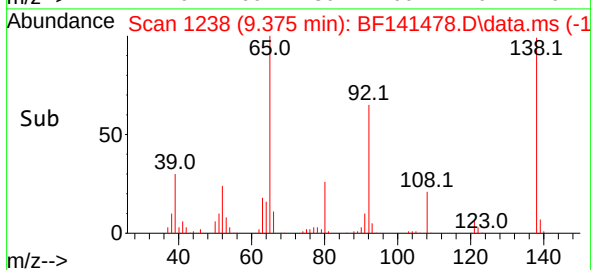
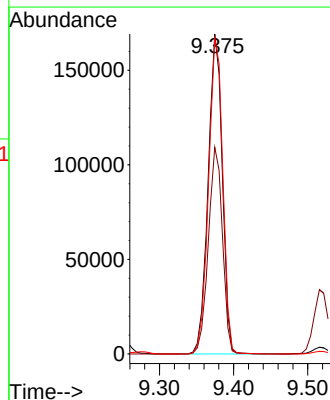
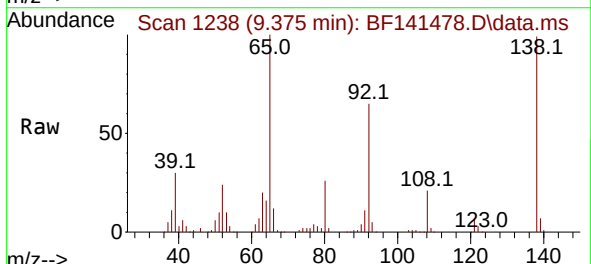
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

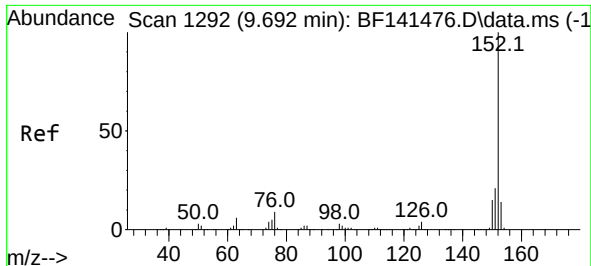
Tgt Ion:162 Resp: 636511
Ion Ratio Lower Upper
162 100
127 43.0 34.1 51.1
164 32.5 26.3 39.5



#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

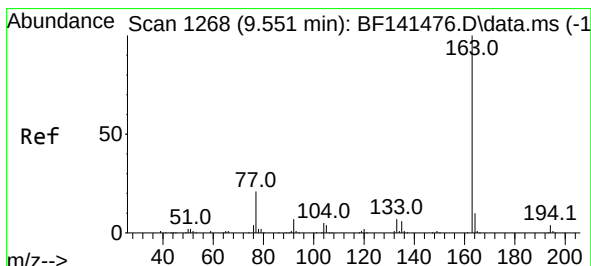
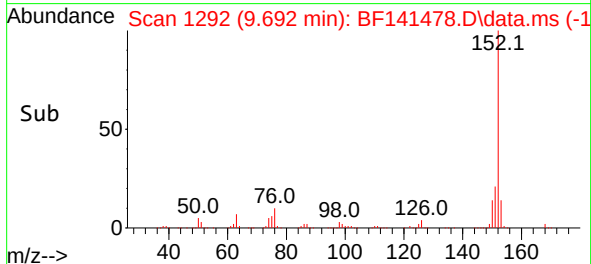
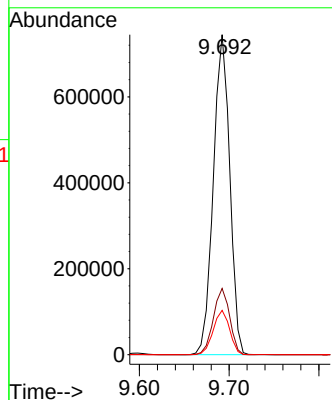
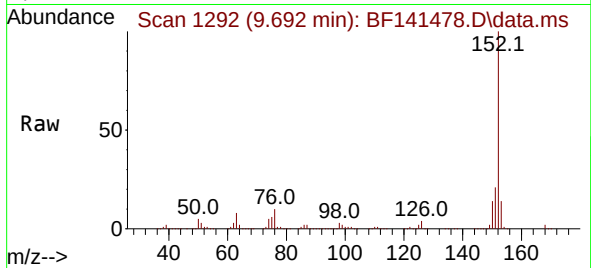




#49
Acenaphthylene
Concen: 59.436 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

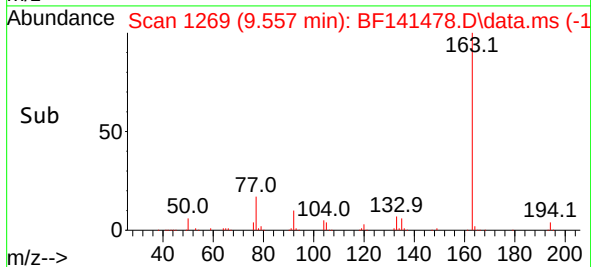
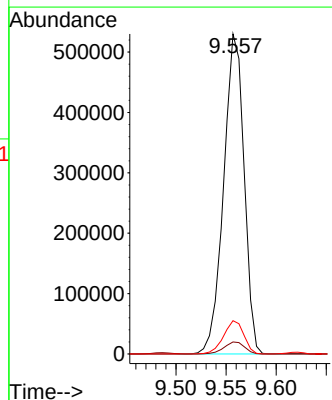
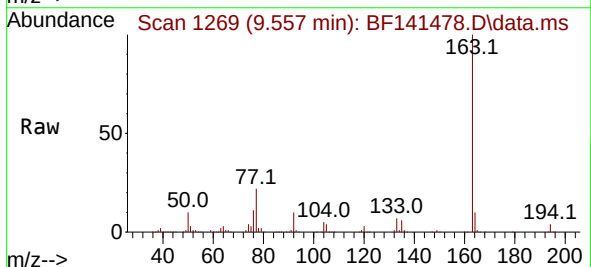
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

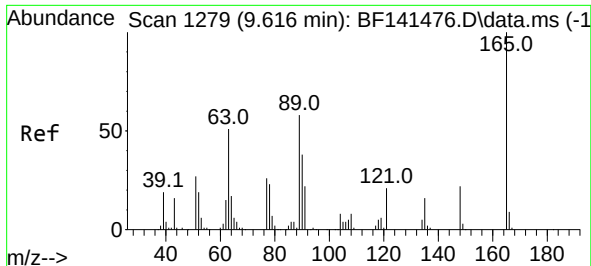
Tgt Ion:152 Resp: 946382
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 13.8 10.9 16.3



#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

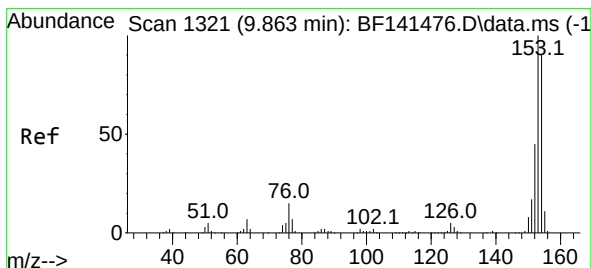
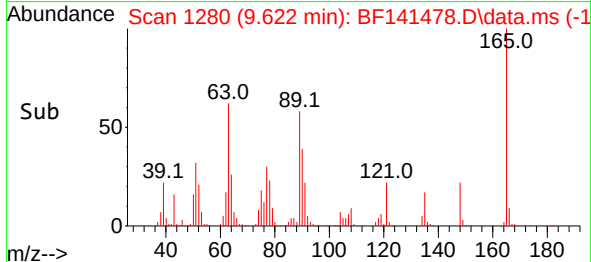
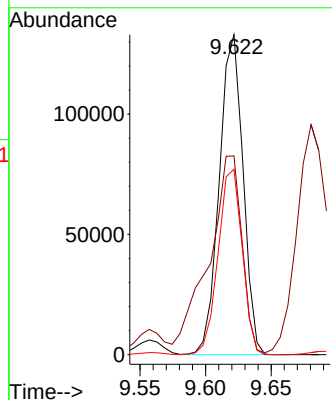
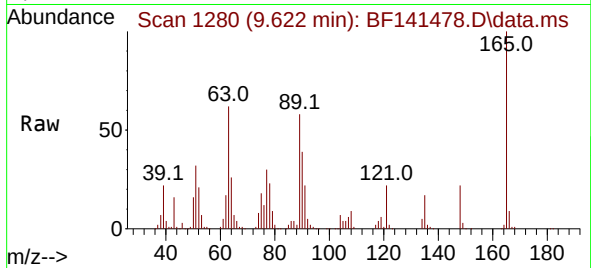




#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

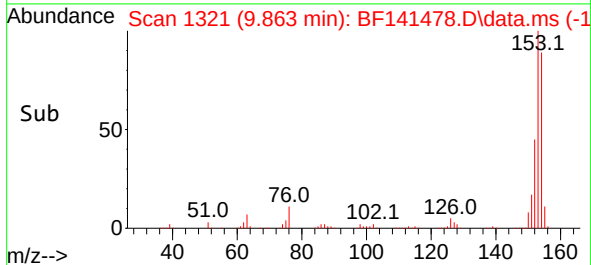
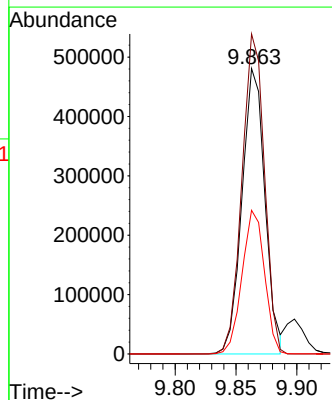
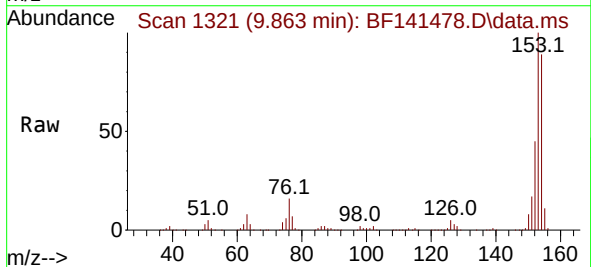
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

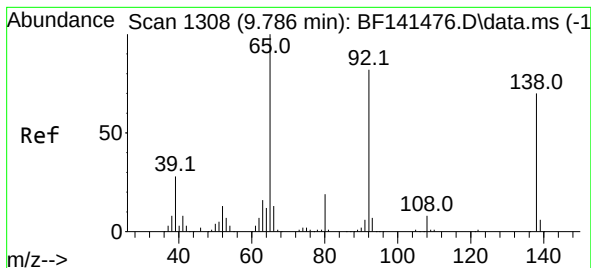
Tgt Ion:165 Resp: 167387
Ion Ratio Lower Upper
165 100
63 62.1 49.4 74.0
89 58.0 46.5 69.7



#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

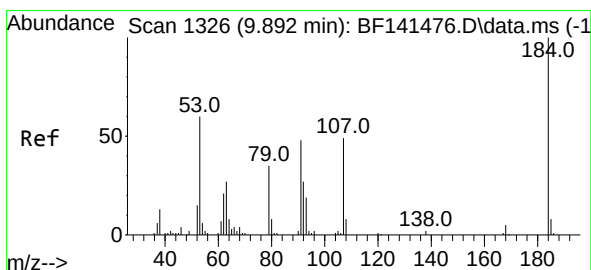
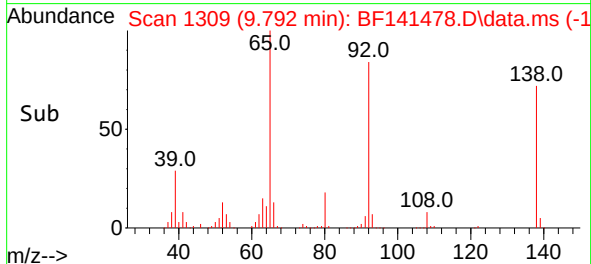
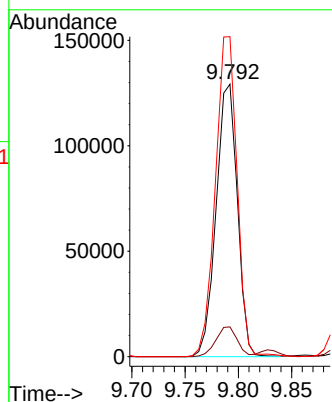
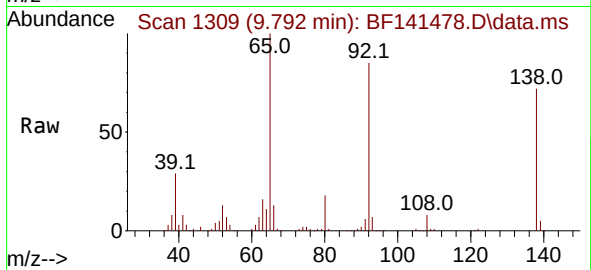
Tgt Ion:138 Resp: 179664

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

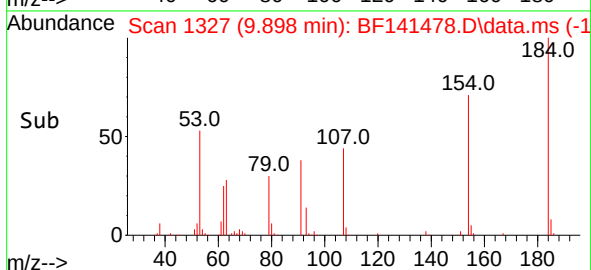
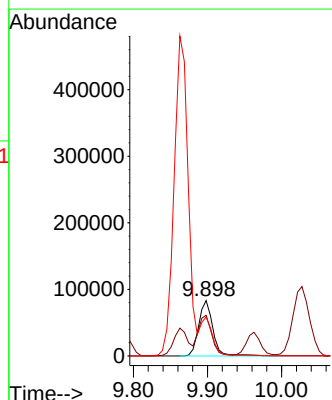
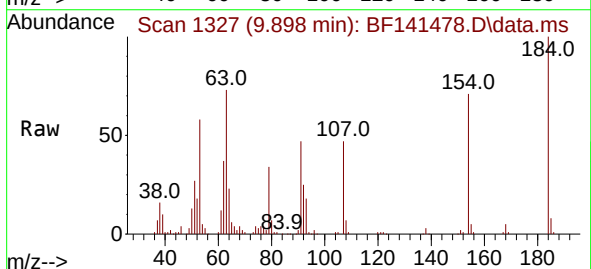
Tgt Ion:184 Resp: 111060

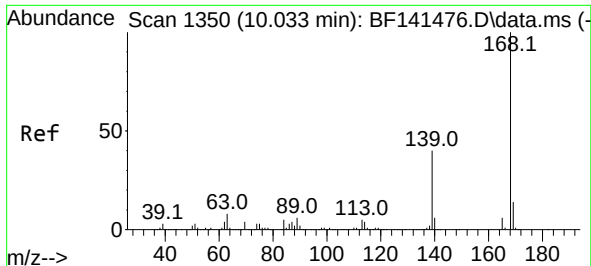
Ion Ratio Lower Upper

184 100

63 73.3 61.0 91.6

154 70.6 59.9 89.9

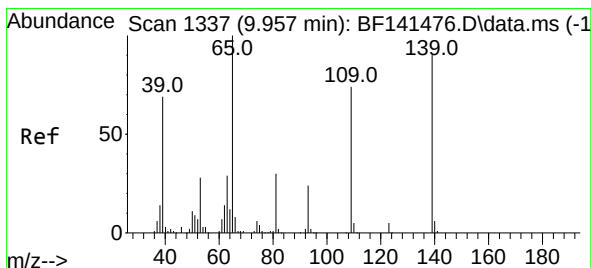
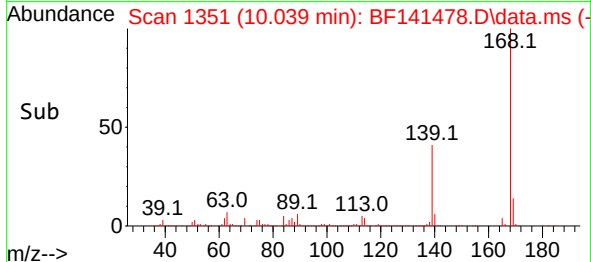
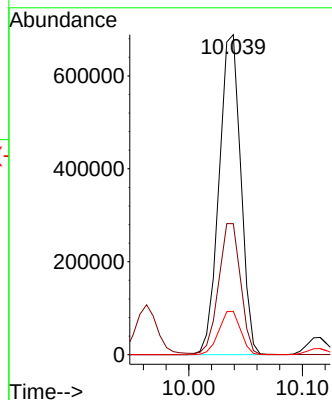
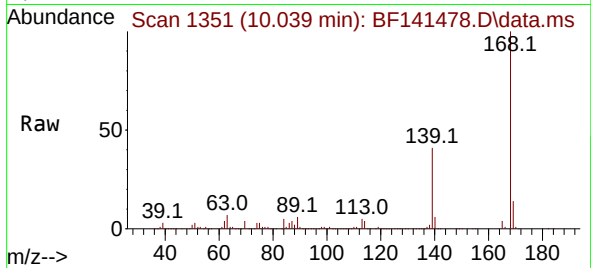




#55
Dibenzenofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

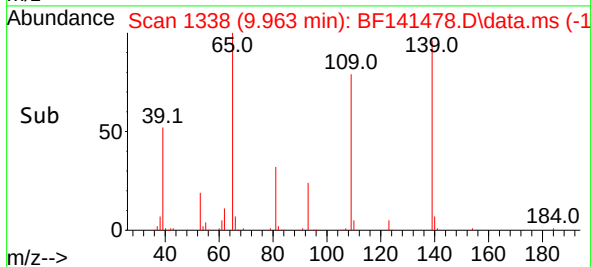
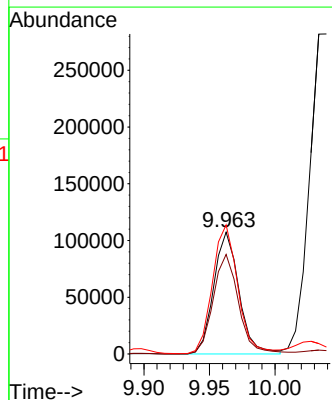
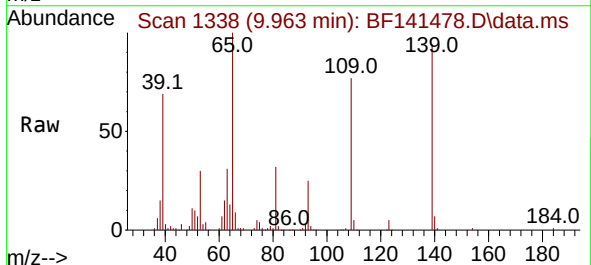
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

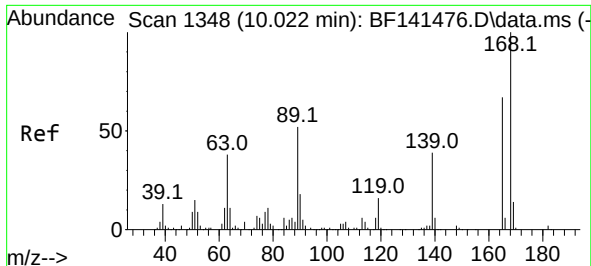
Tgt Ion:168 Resp: 915117
Ion Ratio Lower Upper
168 100
139 41.0 32.7 49.1
169 13.5 10.8 16.2



#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

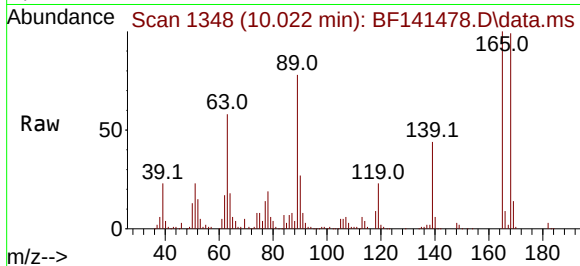
Tgt Ion:139 Resp: 143994
Ion Ratio Lower Upper
139 100
109 81.7 62.0 102.0
65 106.0 91.2 131.2



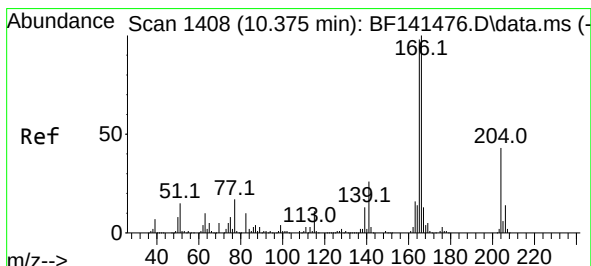
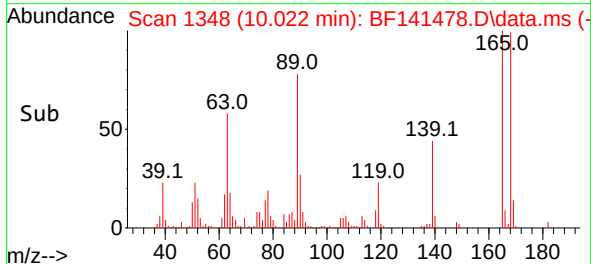
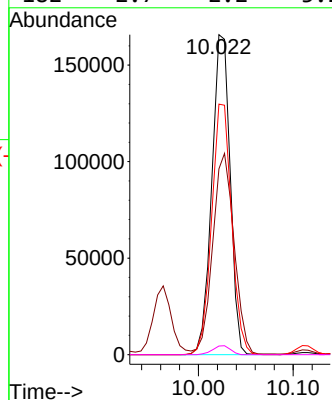


#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

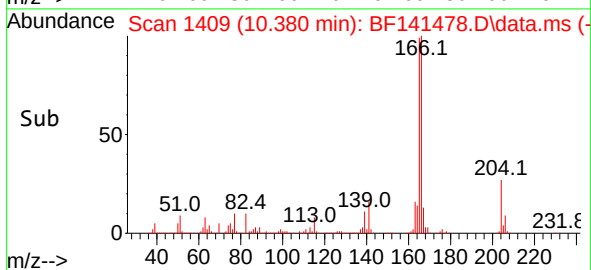
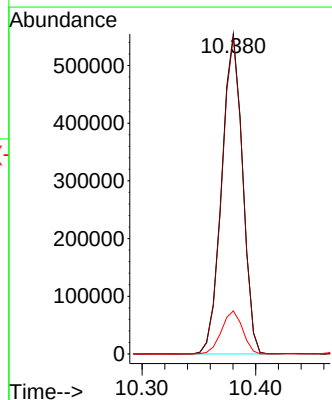
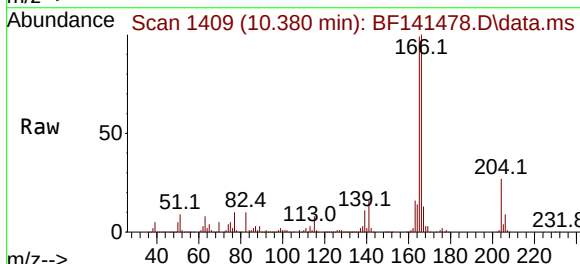


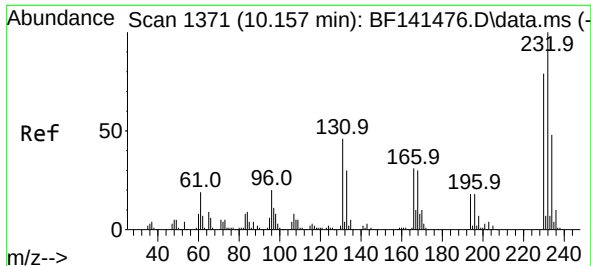
Tgt Ion:	165	Resp:	222091
Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	78.3	61.8	92.6
182	2.7	2.2	3.2



#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

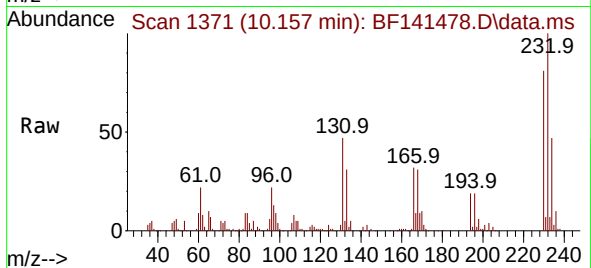
Tgt Ion:	166	Resp:	707371
Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.2
167	13.5	10.7	16.1



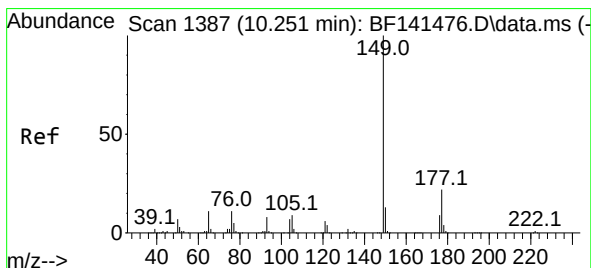
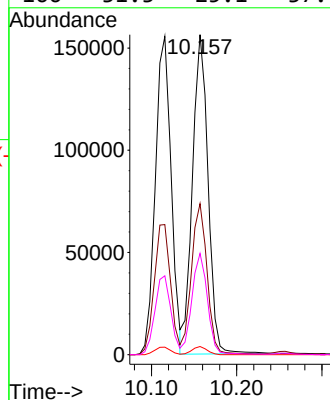
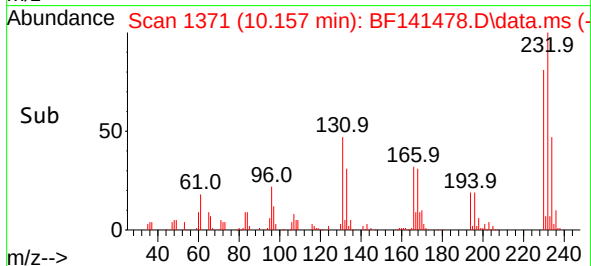


#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

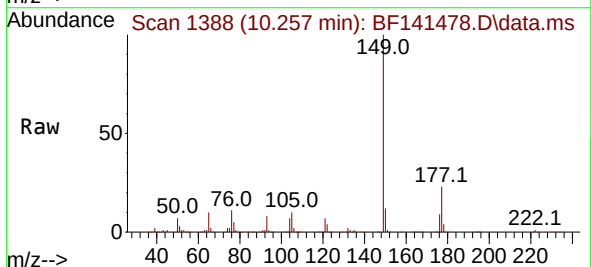
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



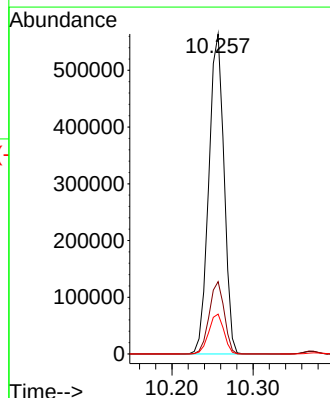
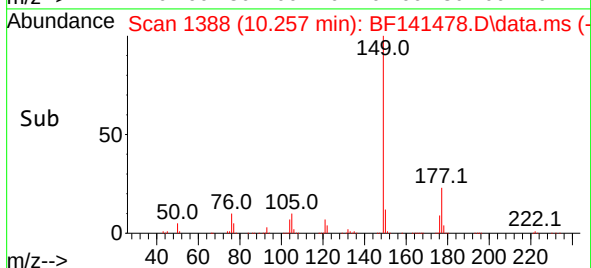
Tgt Ion:232 Resp: 198636
Ion Ratio Lower Upper
232 100
131 47.8 39.2 58.8
130 2.5 2.1 3.1
166 31.3 25.1 37.7

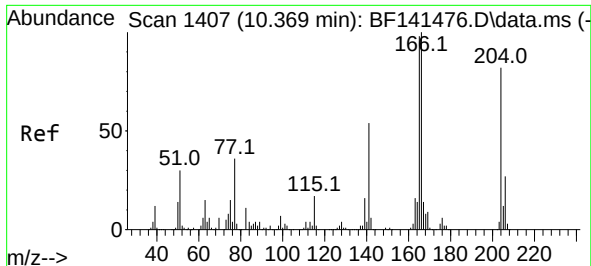


#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47



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

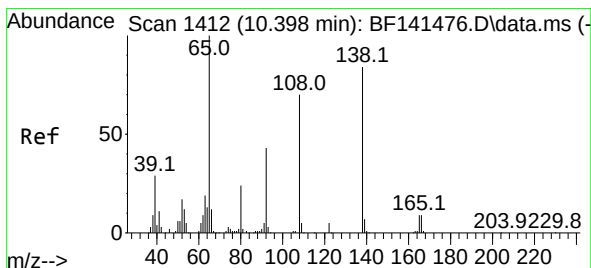
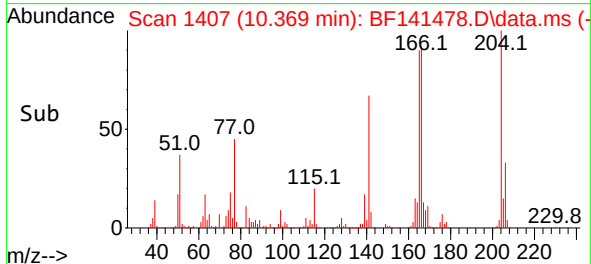
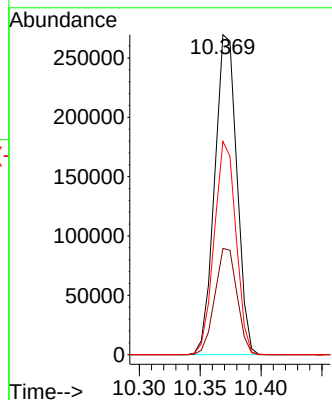
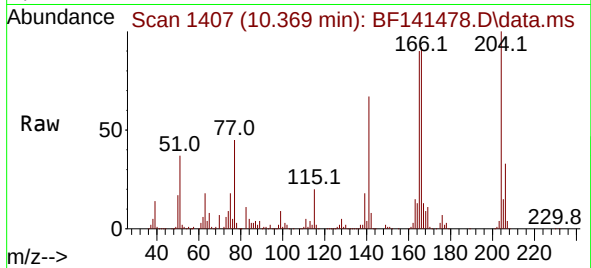




#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

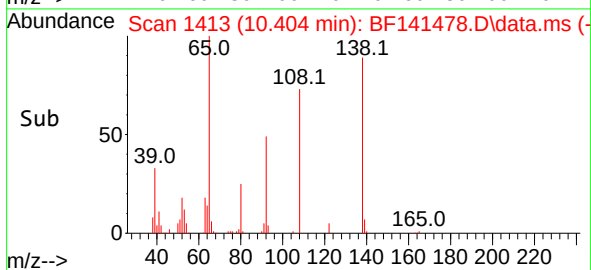
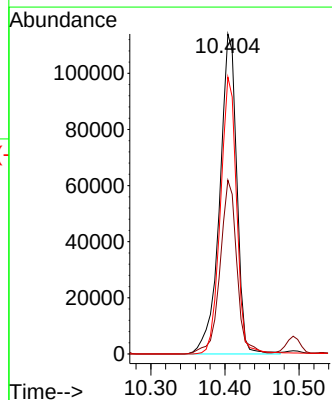
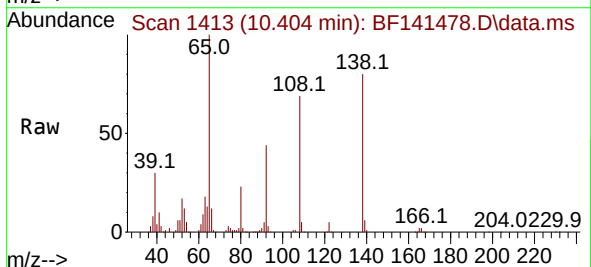
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

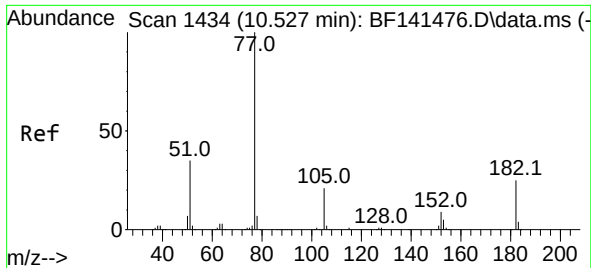
Tgt Ion:204 Resp: 342324
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 66.7 51.9 77.9



#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

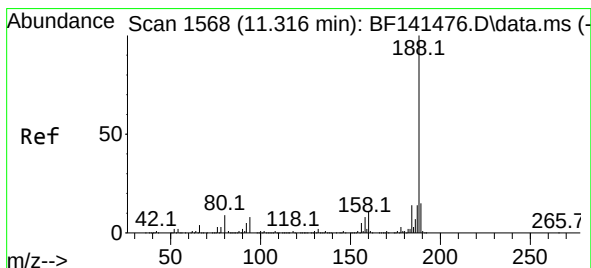
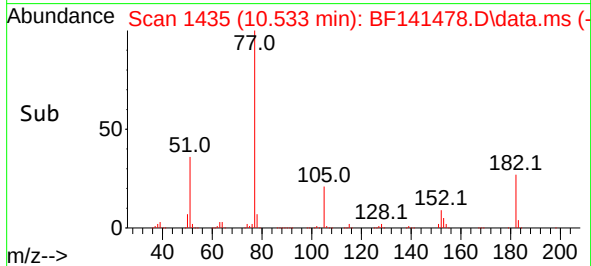
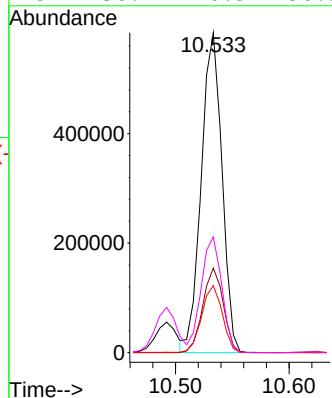
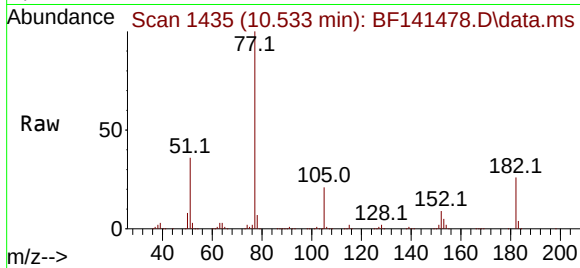




#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

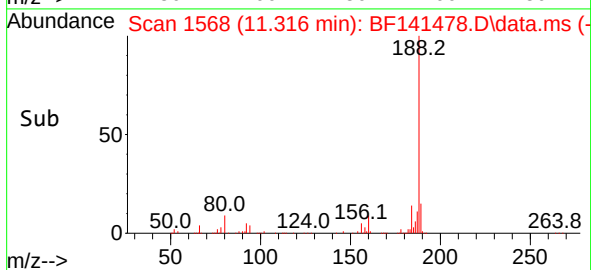
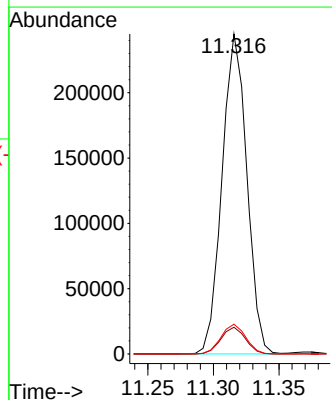
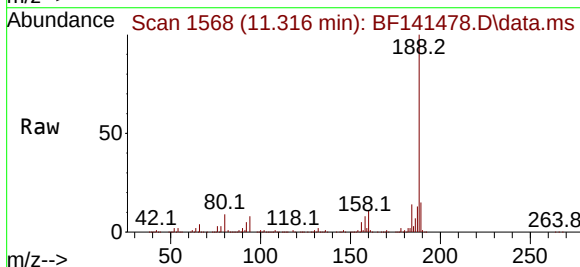
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

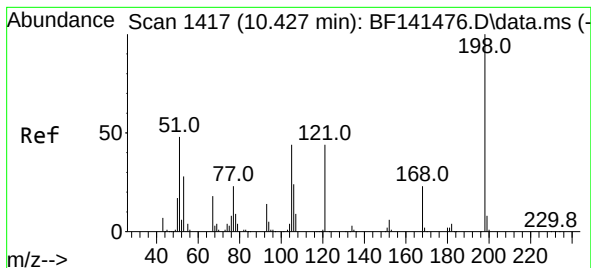
Tgt Ion:	77	Resp:	739338
Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.7	44.7
105	21.0	0.4	40.4
51	36.2	16.5	56.5



#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

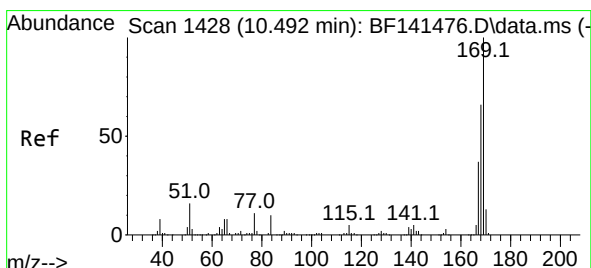
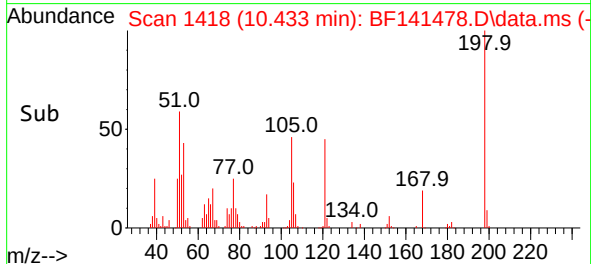
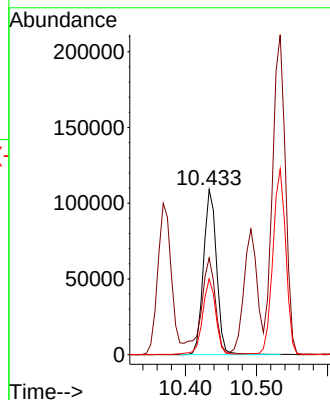
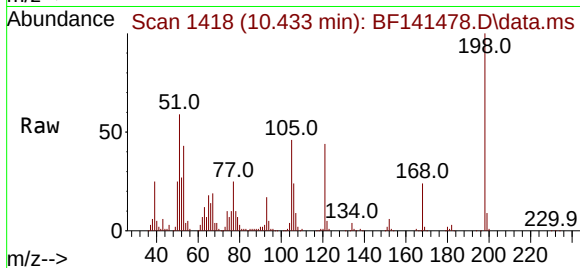




#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

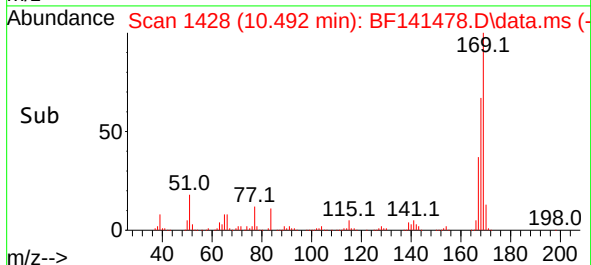
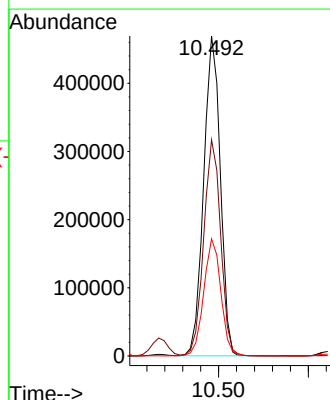
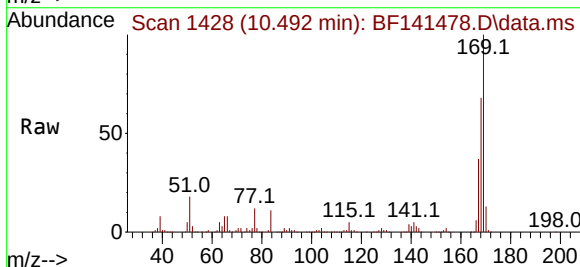
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

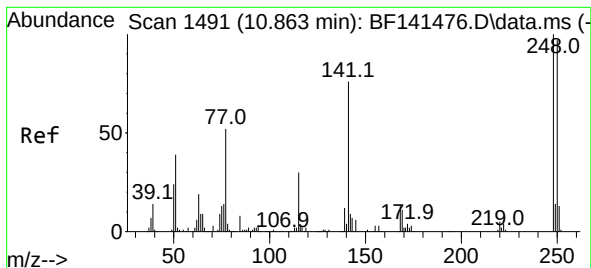
Tgt Ion:198 Resp: 140610
Ion Ratio Lower Upper
198 100
51 58.6 37.4 77.4
105 46.0 25.2 65.2



#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

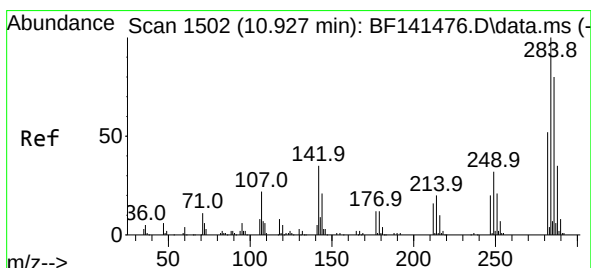
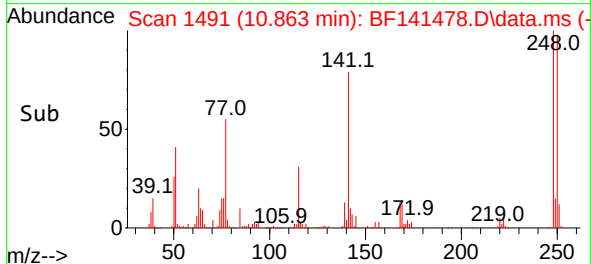
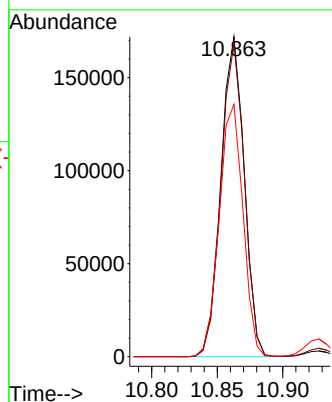
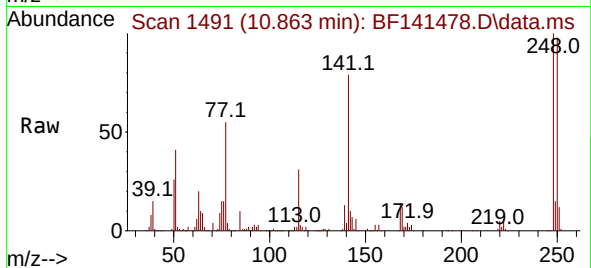




#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

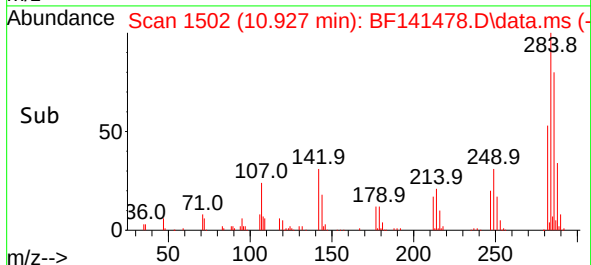
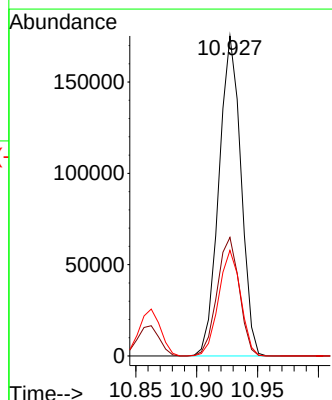
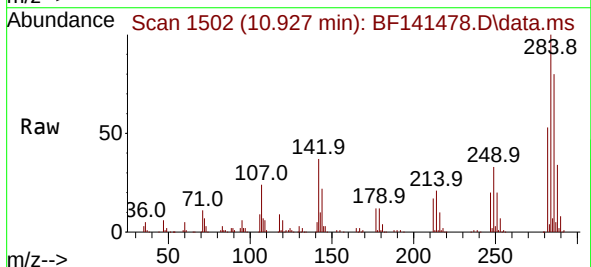
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

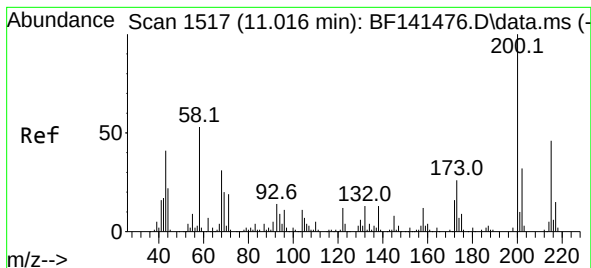
Tgt Ion:248 Resp: 213385
Ion Ratio Lower Upper
248 100
250 97.9 77.8 116.6
141 78.9 60.6 90.8



#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 :

SSTDIC060

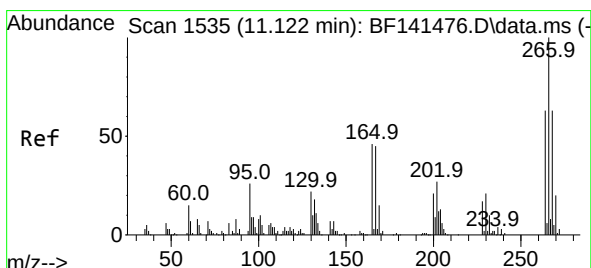
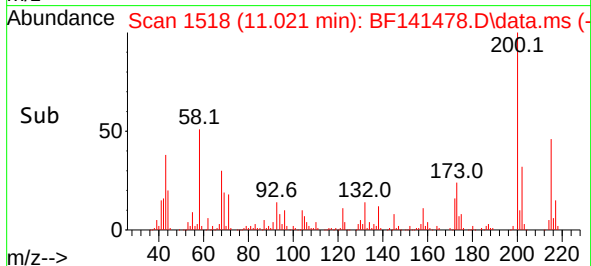
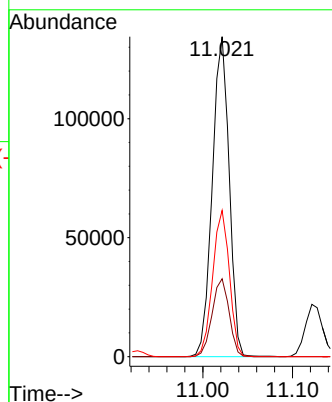
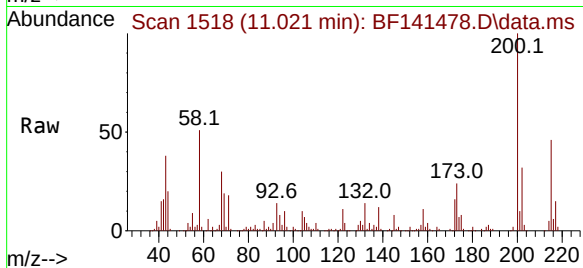
Tgt Ion:200 Resp: 175824

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

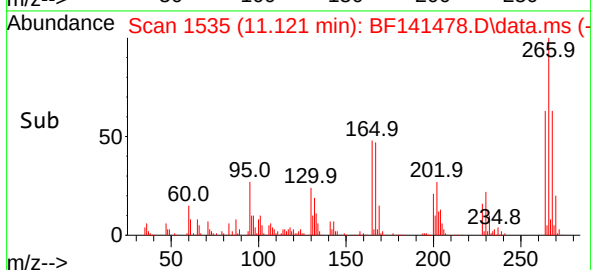
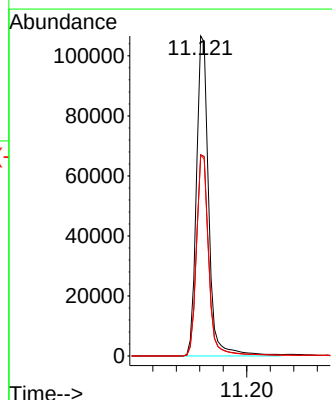
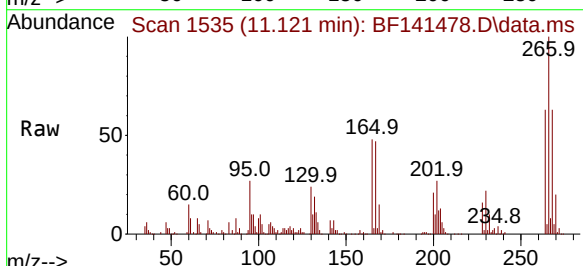
Tgt Ion:266 Resp: 153971

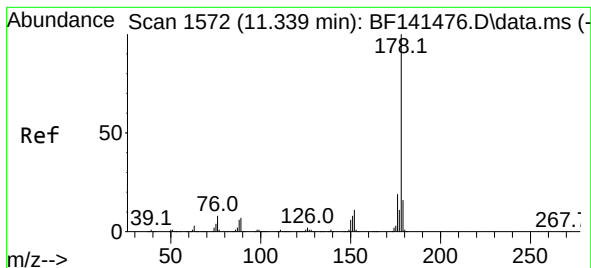
Ion Ratio Lower Upper

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

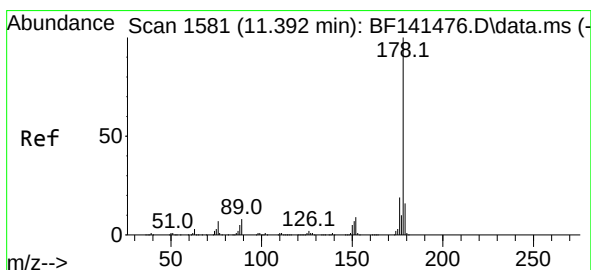
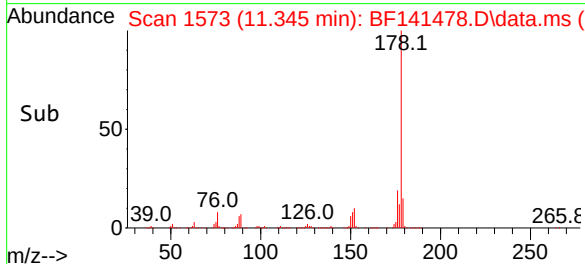
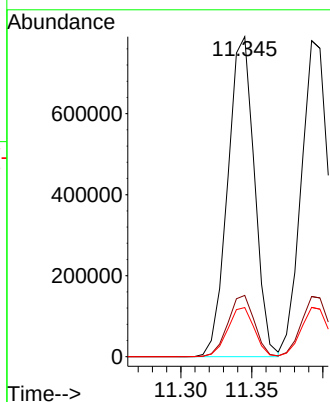
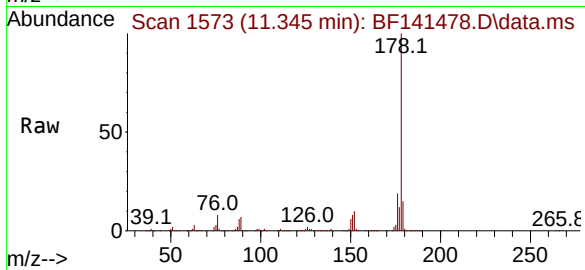
Tgt Ion:178 Resp: 1032075

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

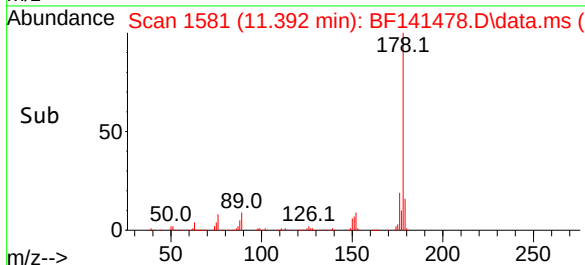
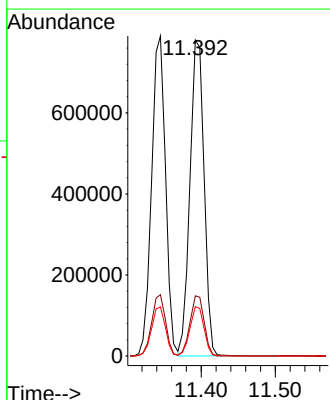
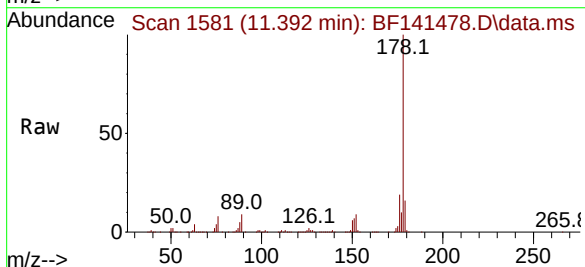
Tgt Ion:178 Resp: 1034181

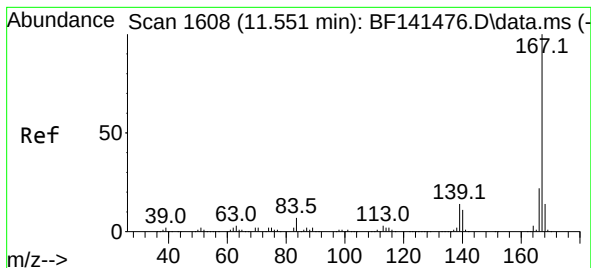
Ion Ratio Lower Upper

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

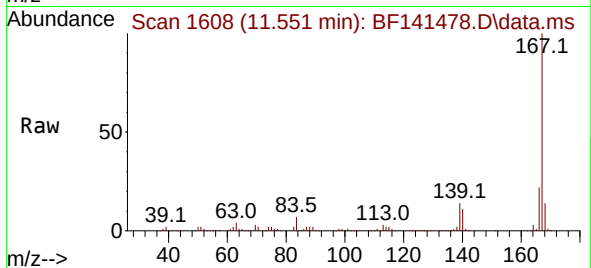
Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



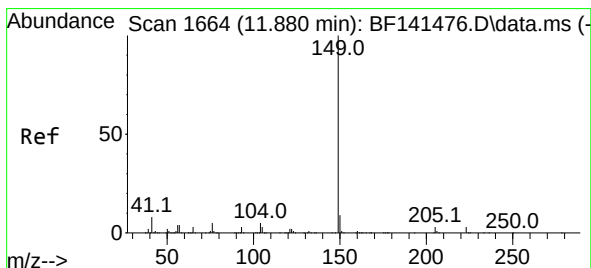
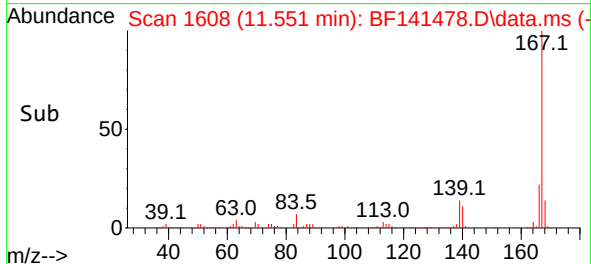
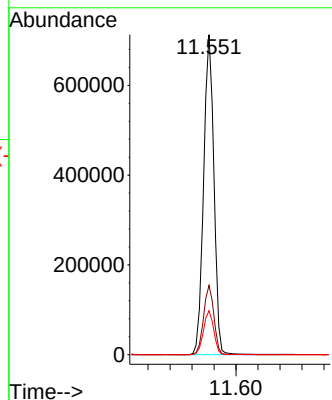
Tgt Ion:167 Resp: 927882

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

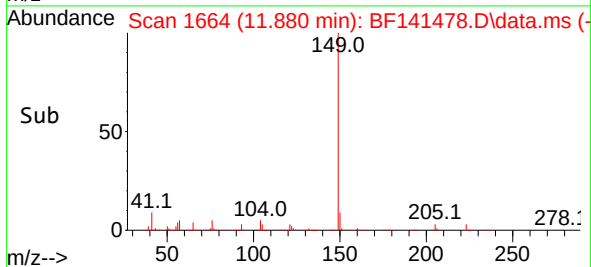
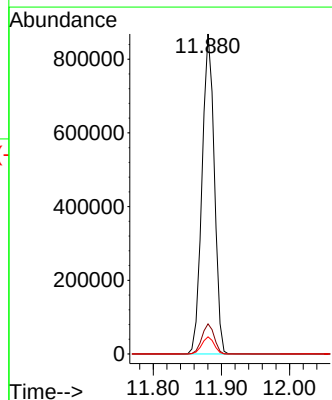
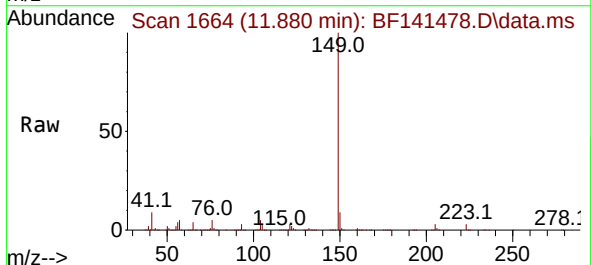
Tgt Ion:149 Resp: 1087815

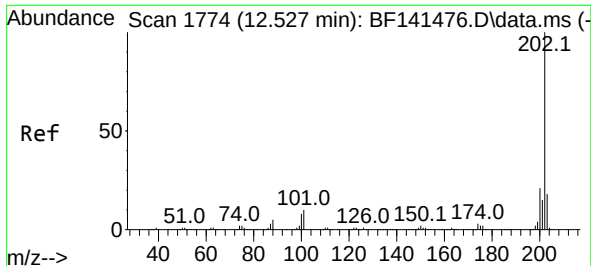
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.4 4.2 6.2

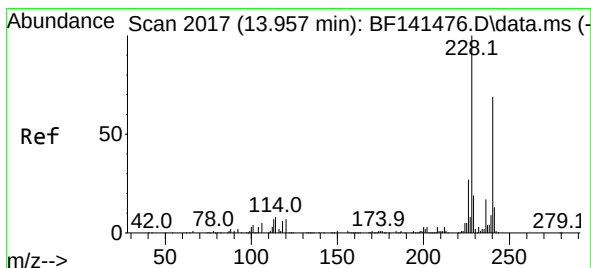
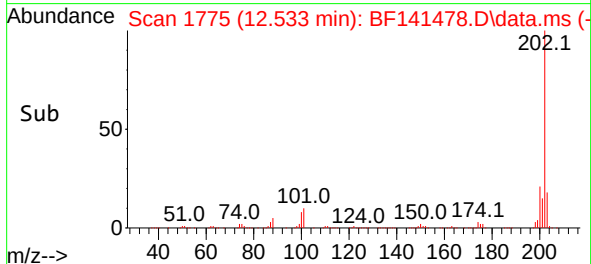
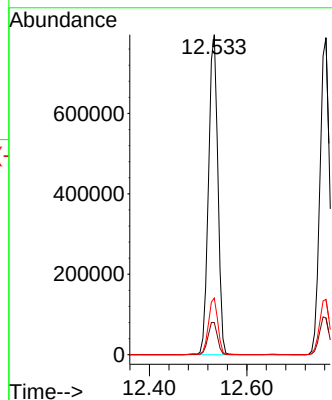
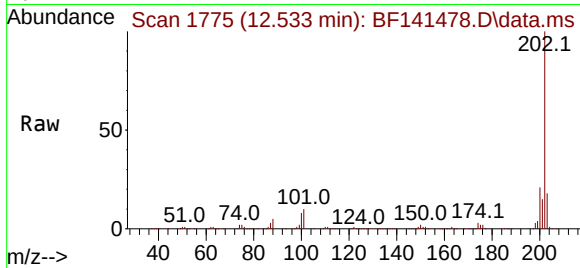




#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

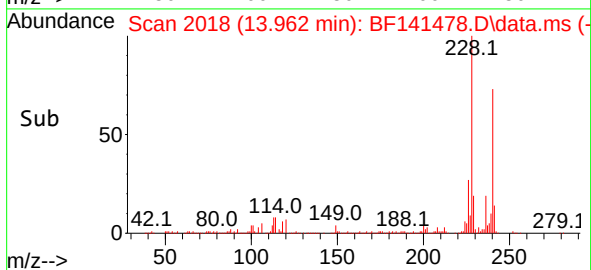
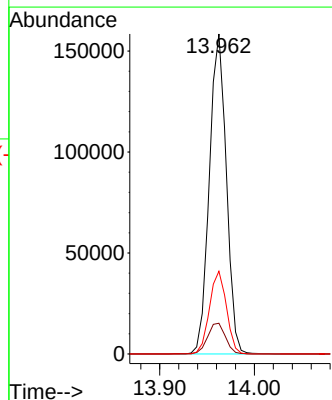
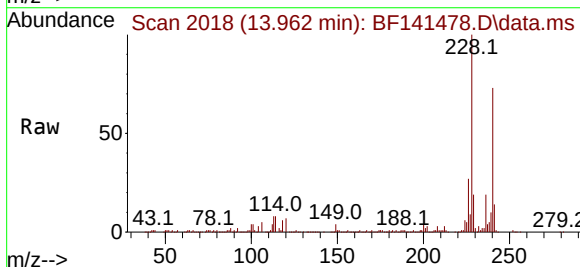
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

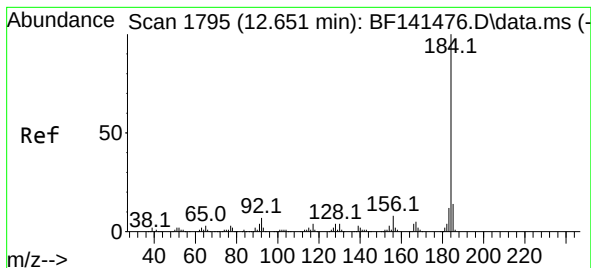
Tgt Ion:202 Resp: 1053887
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.7 0.0 37.6



#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# 1

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

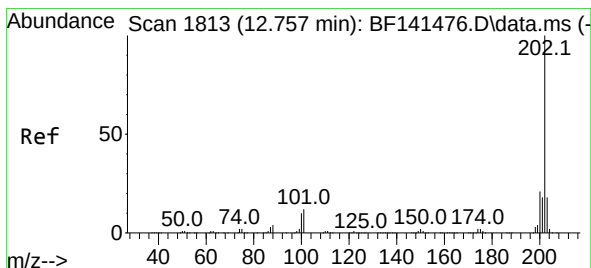
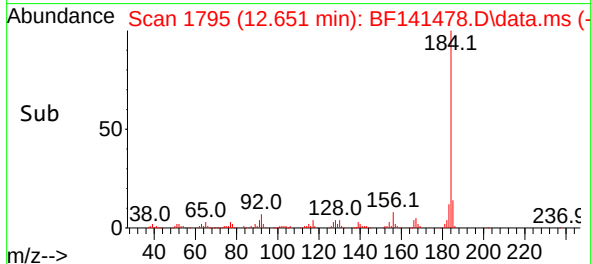
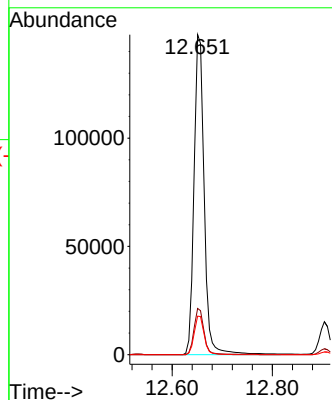
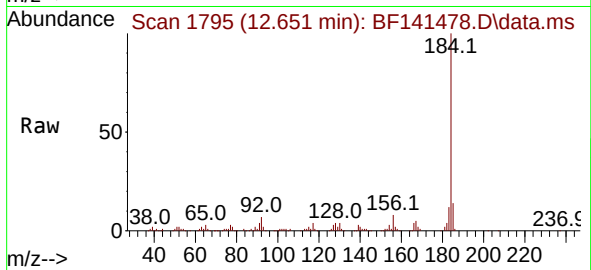
Tgt Ion:184 Resp: 207602

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

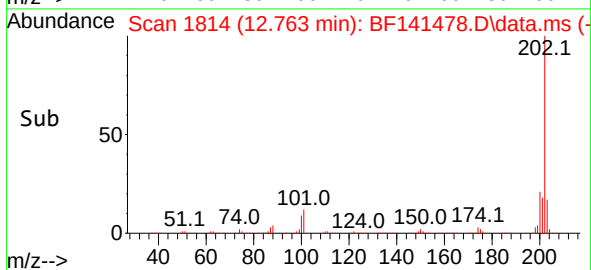
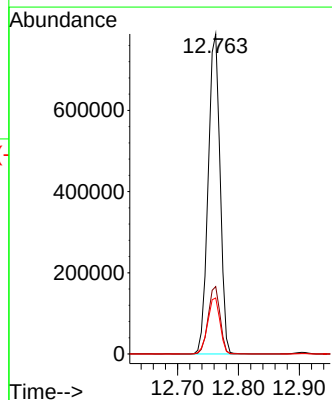
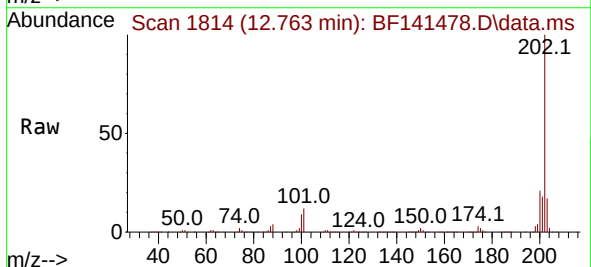
Tgt Ion:202 Resp: 1068624

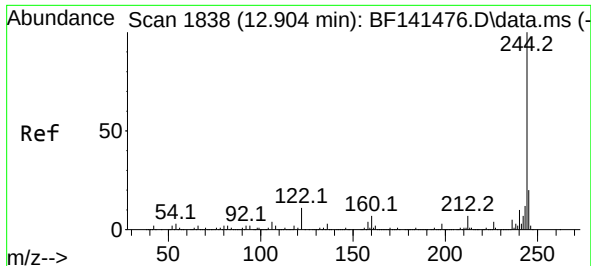
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

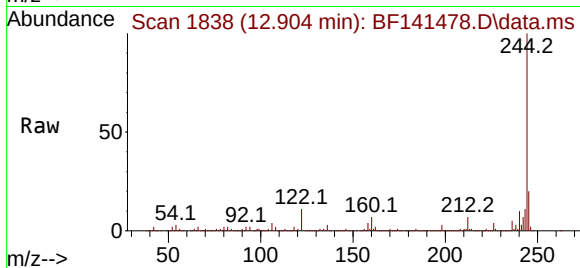
203 17.5 14.3 21.5



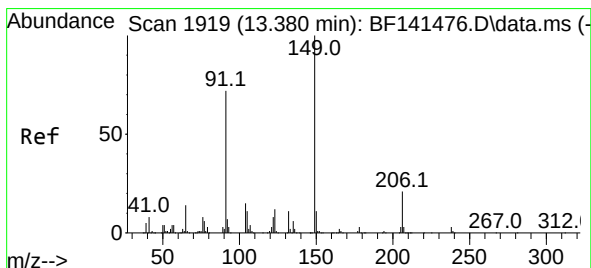
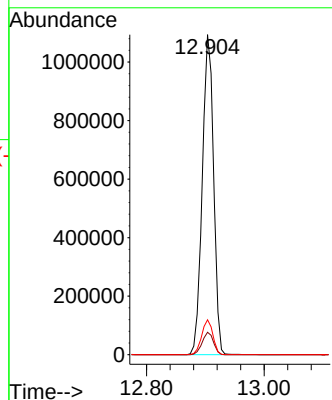
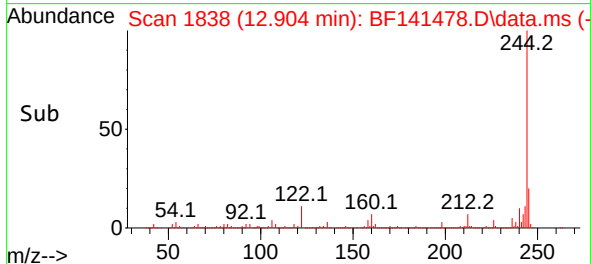


#79
 Terphenyl-d14
 Concen: 124.977 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141478.D
 Acq: 06 Feb 2025 13:47

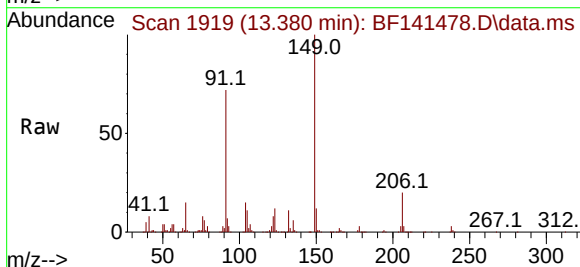
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



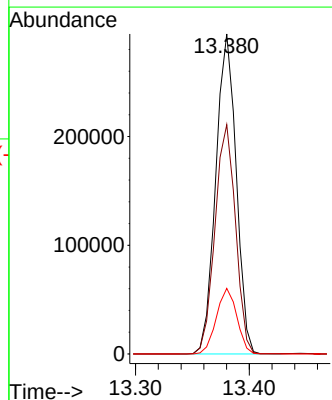
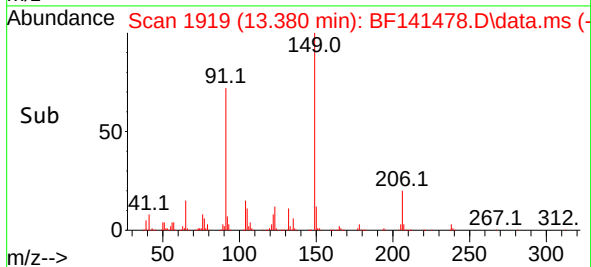
Tgt Ion:244 Resp: 1459213
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.9 8.4 12.6

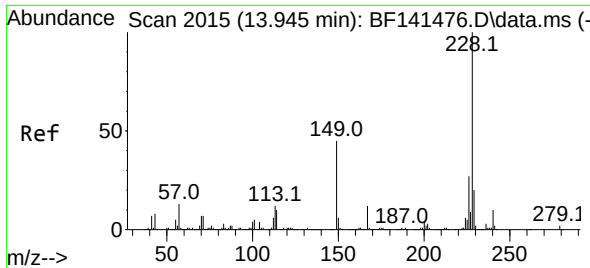


#80
 Butylbenzylphthalate
 Concen: 63.357 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. 0.000 min
 Lab File: BF141478.D
 Acq: 06 Feb 2025 13:47



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

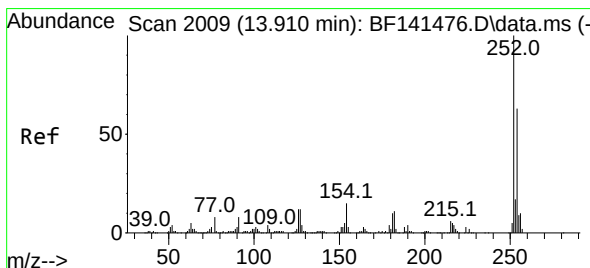
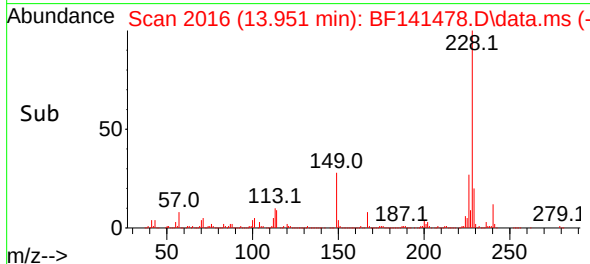
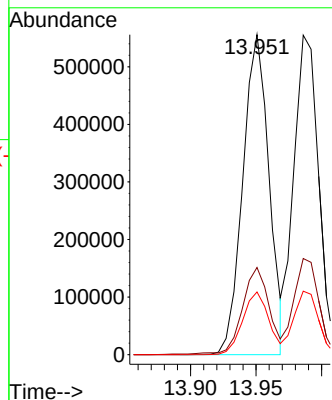
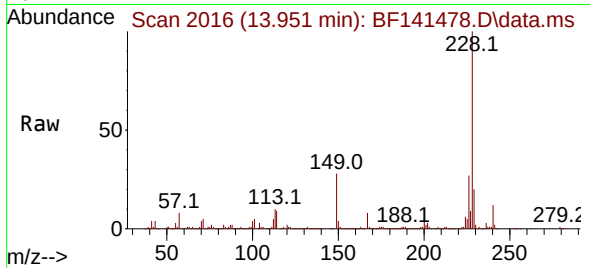




#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

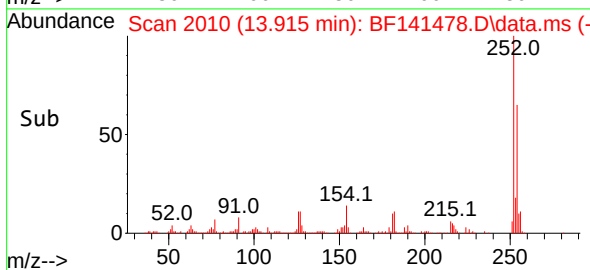
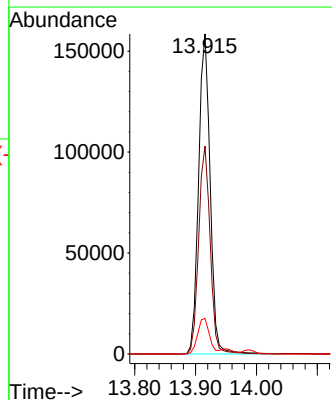
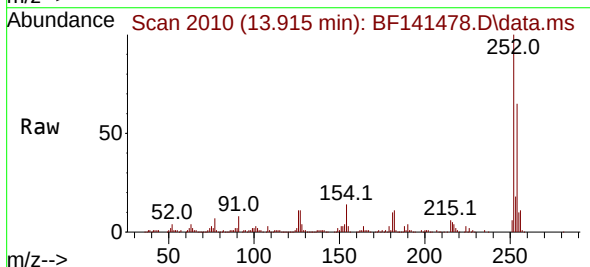
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

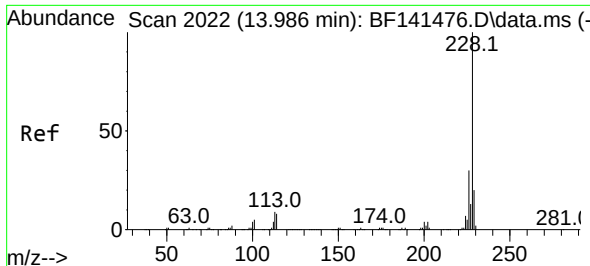
Tgt Ion:228 Resp: 774318
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.6 15.8 23.6



#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

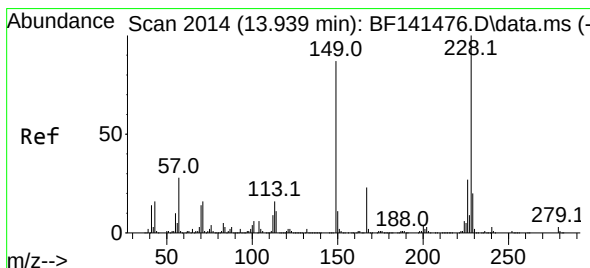
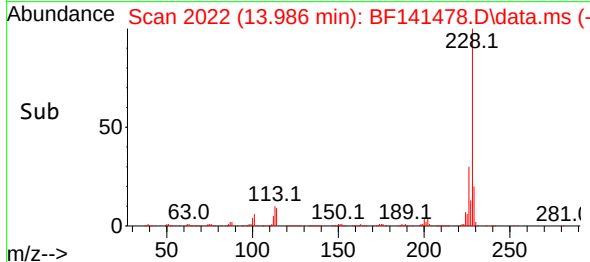
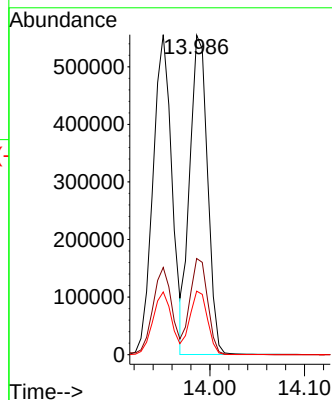
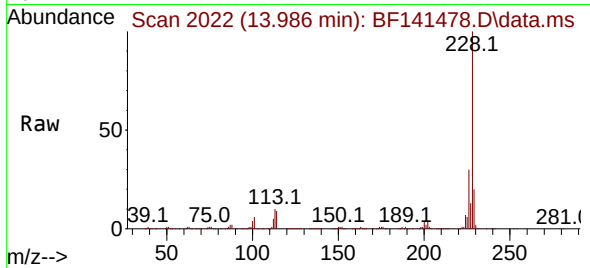




#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

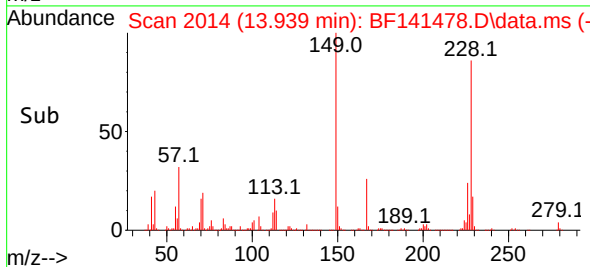
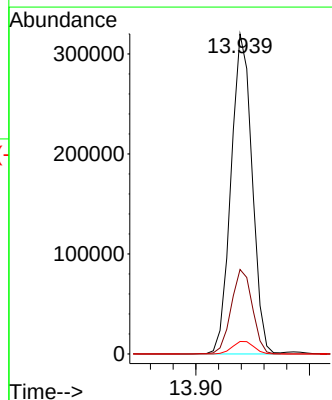
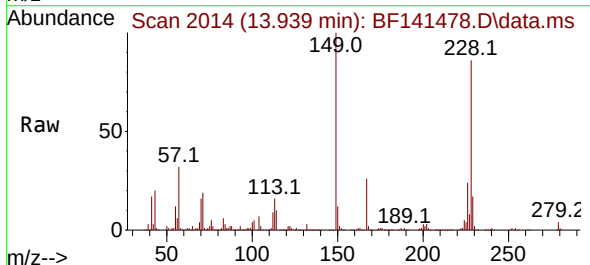
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

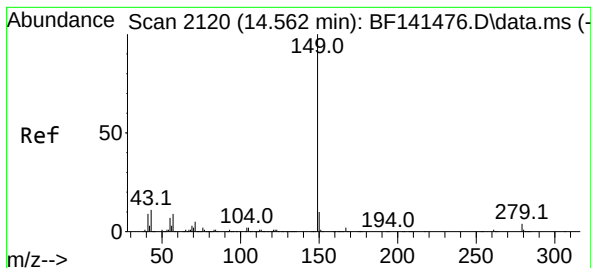
Tgt Ion:228 Resp: 723815
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 19.9 15.7 23.5



#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

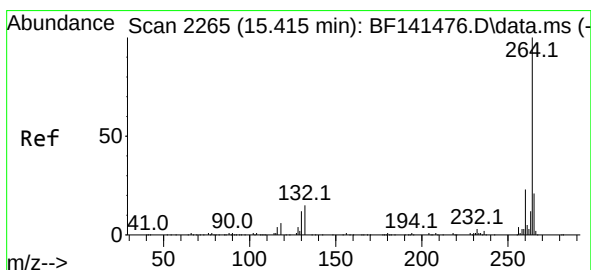
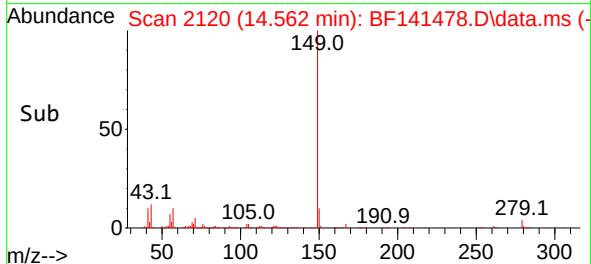
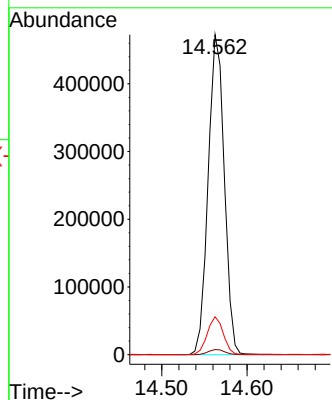
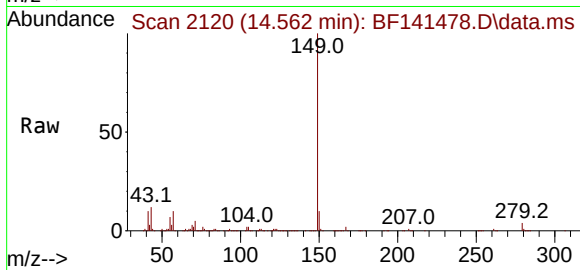




#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

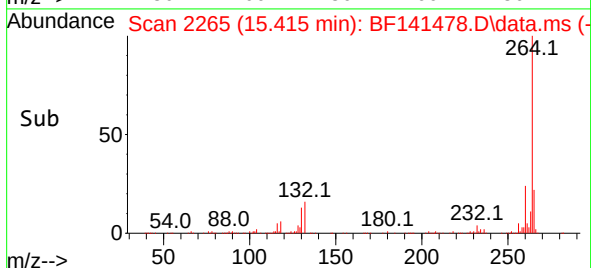
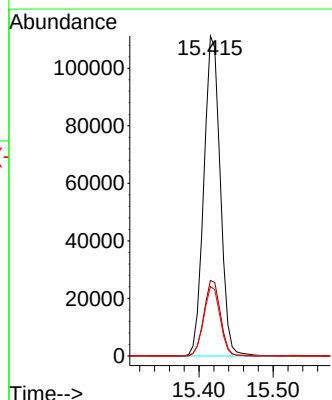
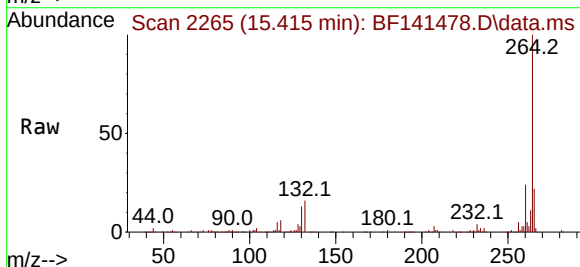
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

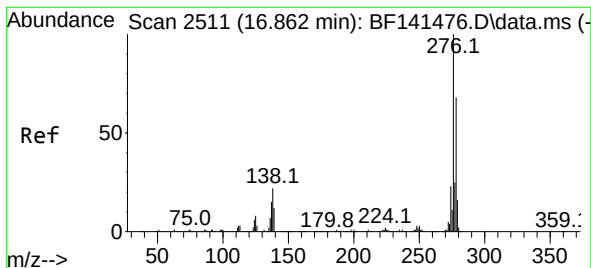
Tgt Ion:149 Resp: 621505
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.7 9.5 14.3



#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:264 Resp: 171026
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# 21

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

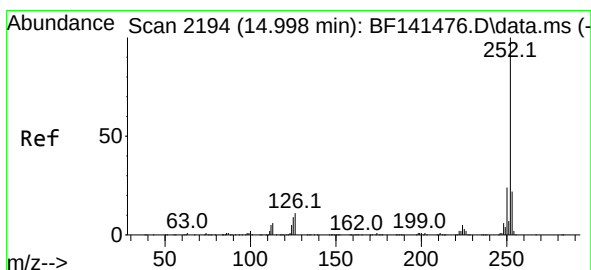
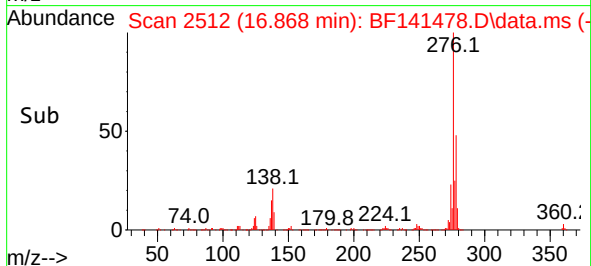
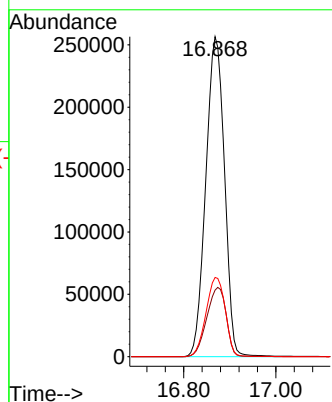
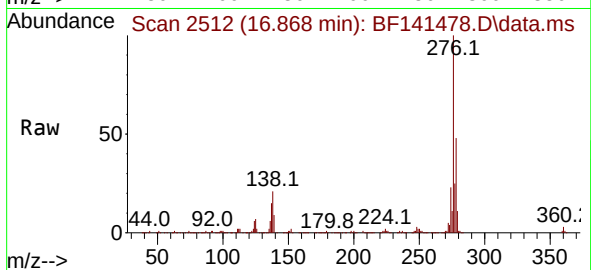
Tgt Ion:276 Resp: 723493

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

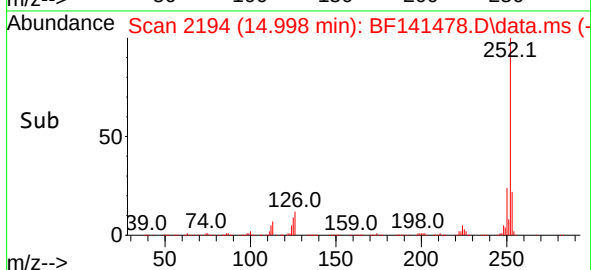
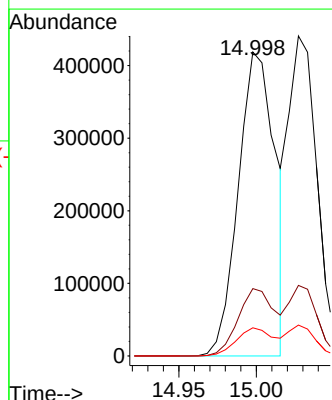
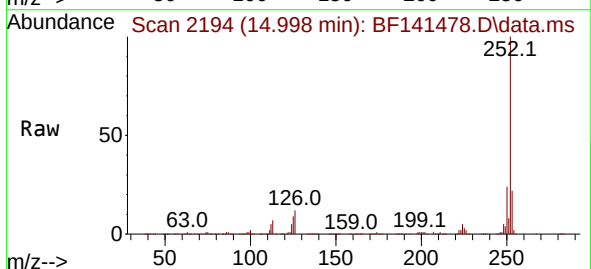
Tgt Ion:252 Resp: 695617

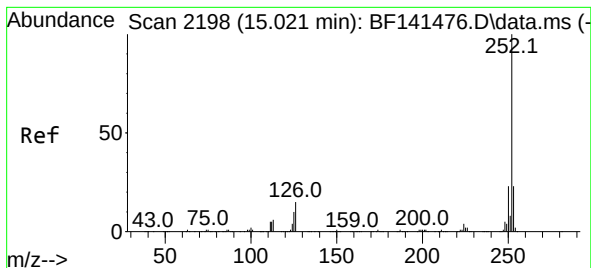
Ion Ratio Lower Upper

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# 2199

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

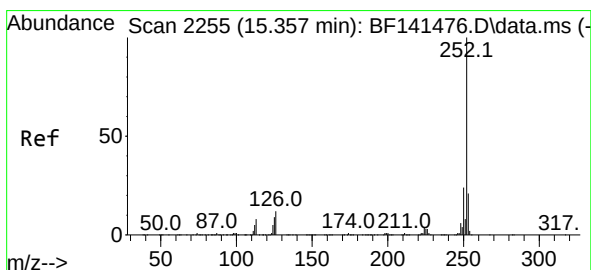
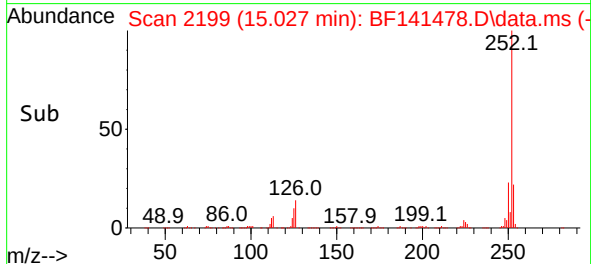
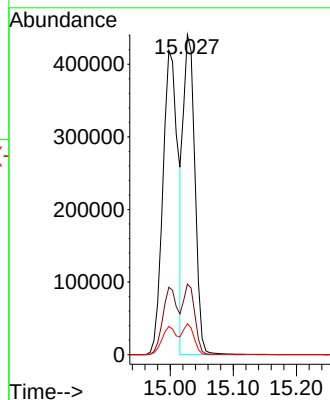
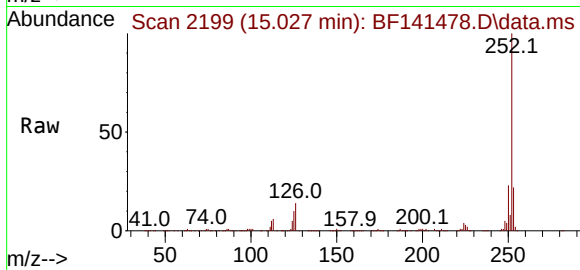
Tgt Ion:252 Resp: 563342

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

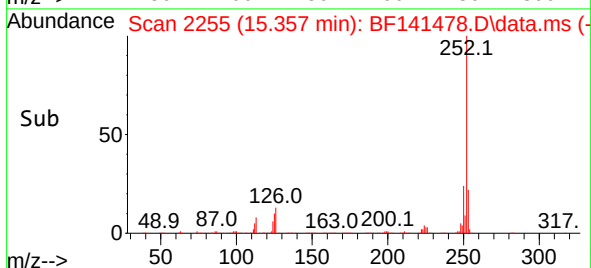
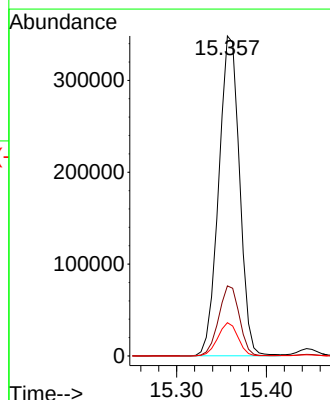
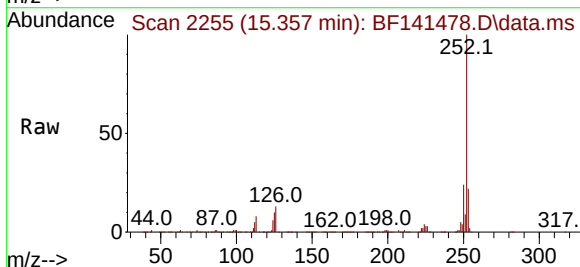
Tgt Ion:252 Resp: 561457

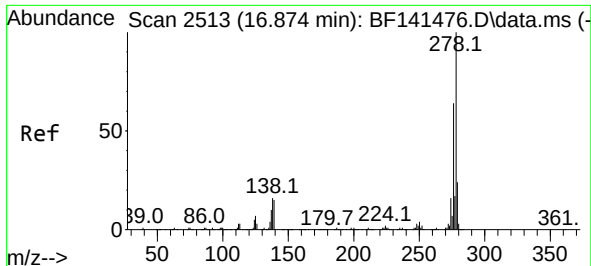
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 10.4 7.4 11.2

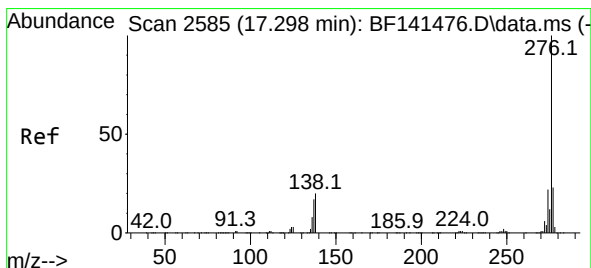
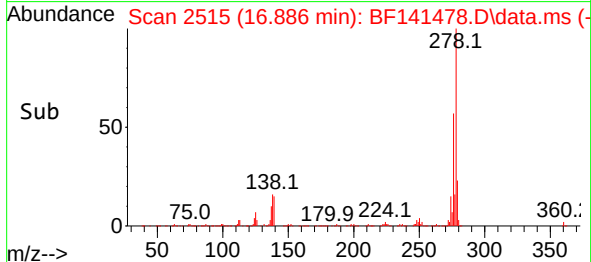
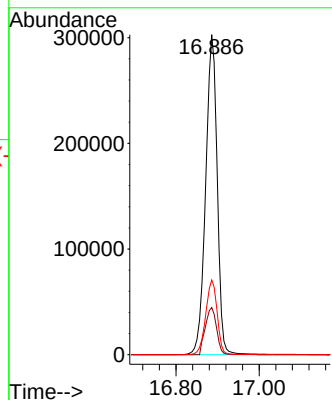
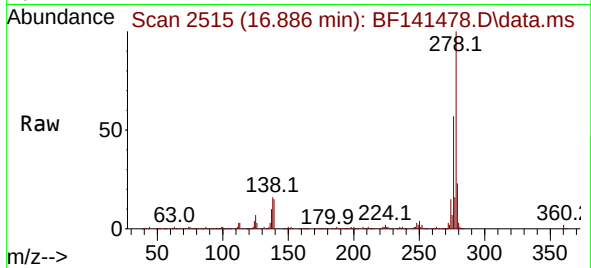




#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

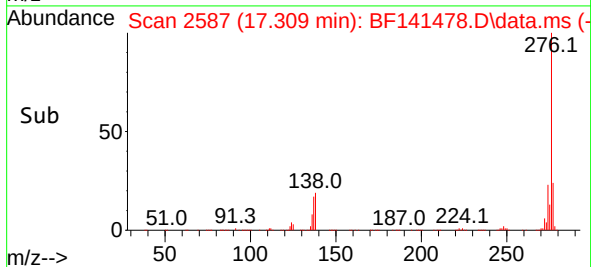
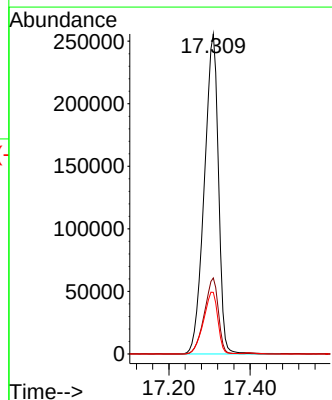
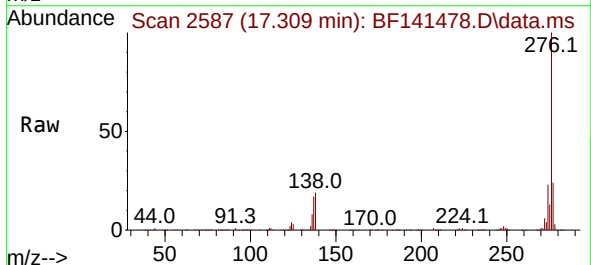
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

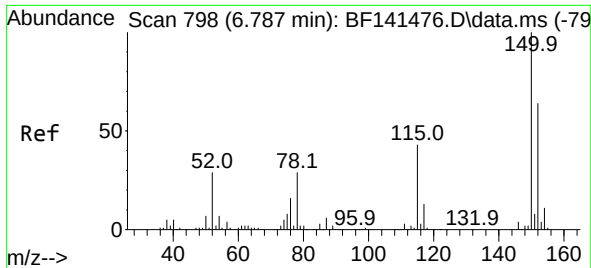
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

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

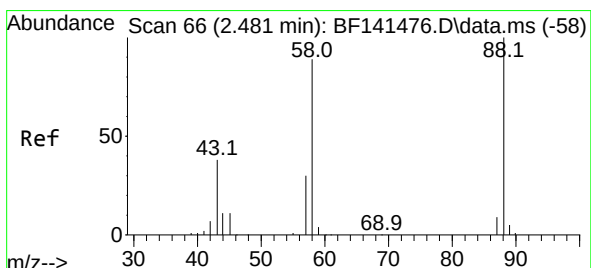
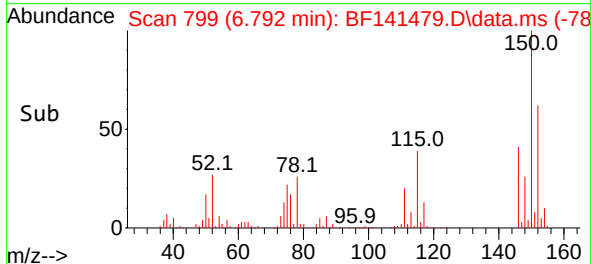
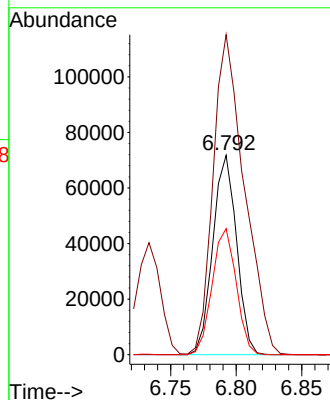
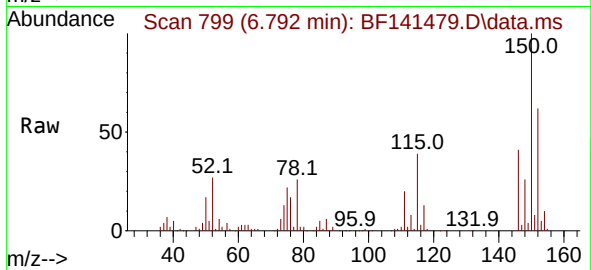
- 1
- 2
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- 13
- 14
- 15
- 16
- 17
- 18



#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

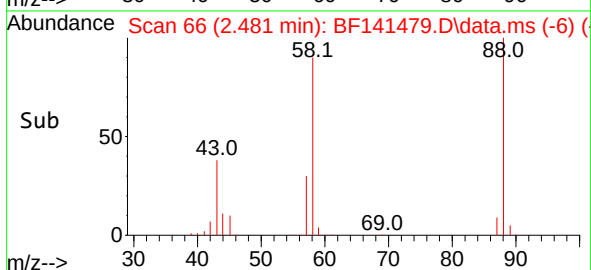
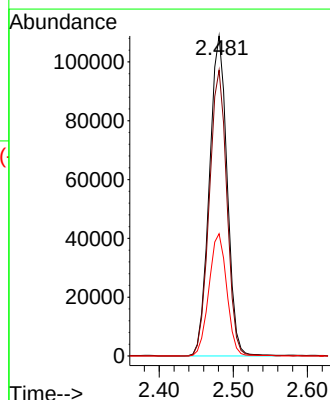
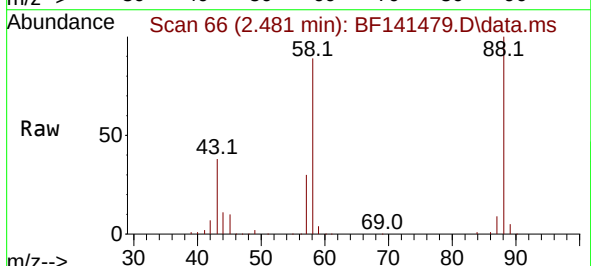
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

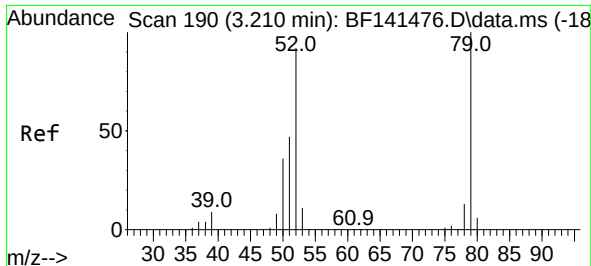
Tgt Ion:152 Resp: 90415
 Ion Ratio Lower Upper
 152 100
 150 160.5 125.0 187.4
 115 63.2 53.6 80.4



#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

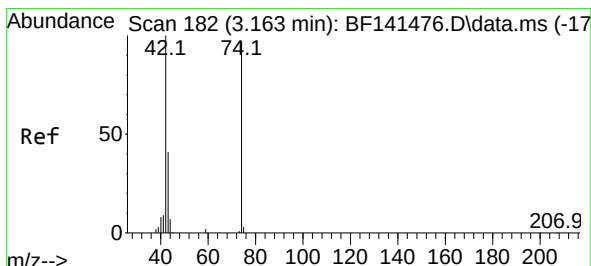
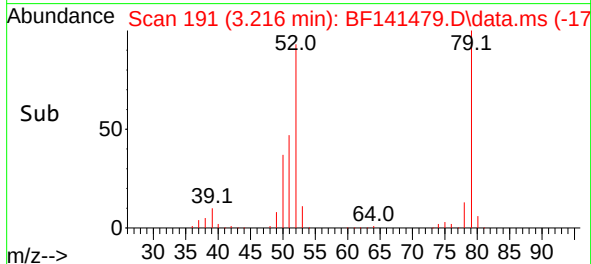
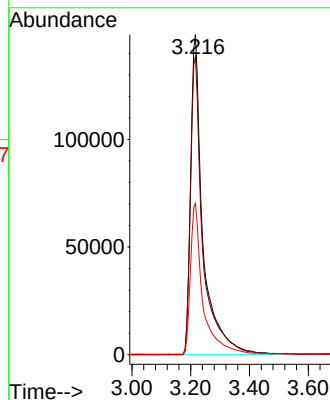
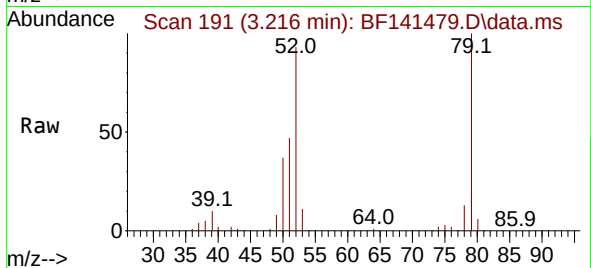




#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 190
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

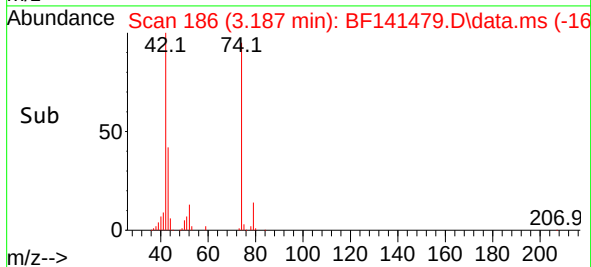
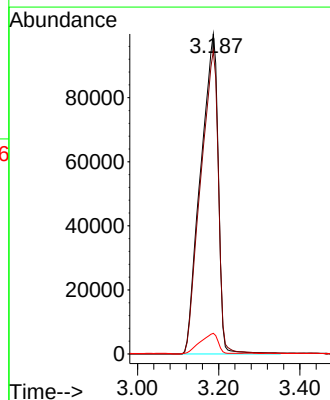
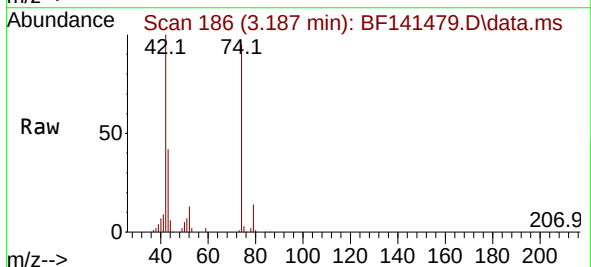
Instrument :
BNA_F
ClientSampleId :
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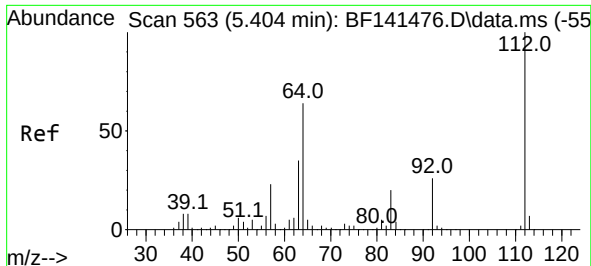
Tgt Ion: 79 Resp: 435462
Ion Ratio Lower Upper
79 100
52 93.2 73.7 110.5
51 47.3 37.5 56.3



#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

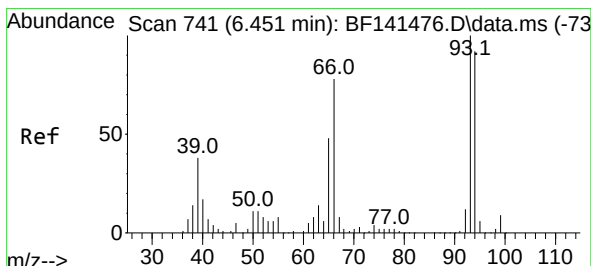
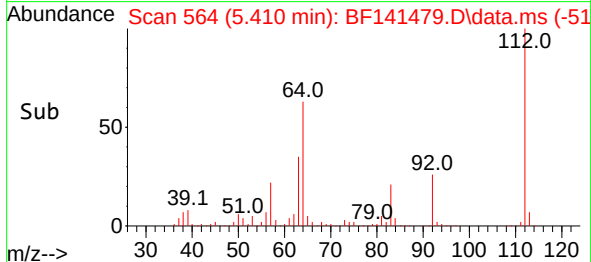
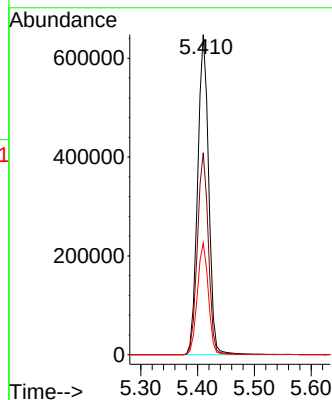
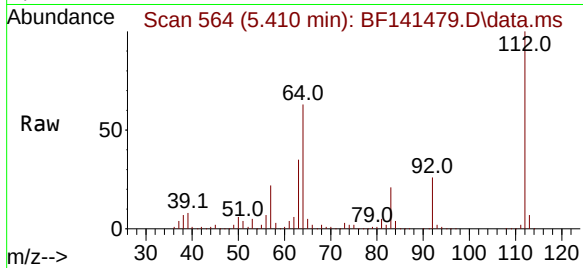




#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

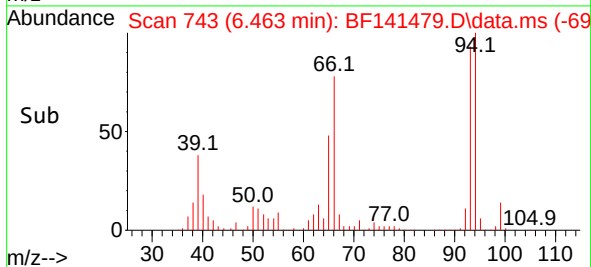
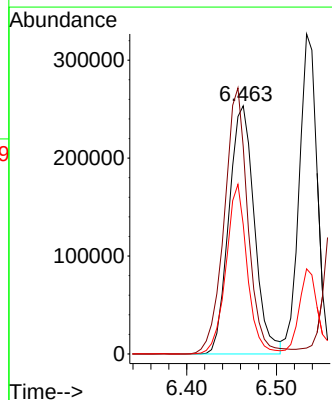
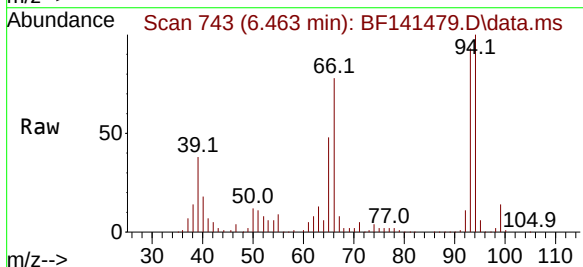
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

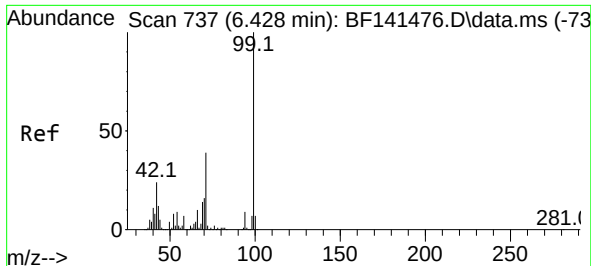
Tgt Ion:112 Resp: 878184
Ion Ratio Lower Upper
112 100
64 63.1 51.1 76.7
63 34.9 28.4 42.6



#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

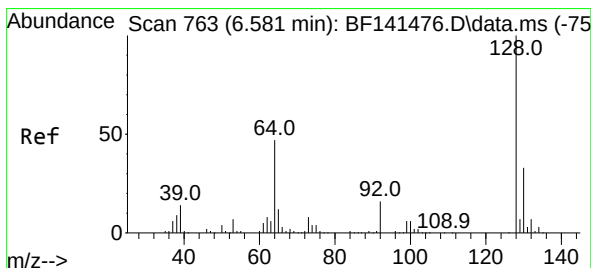
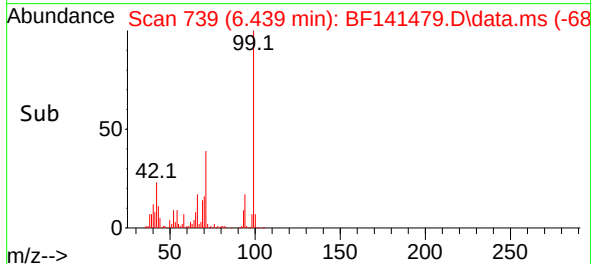
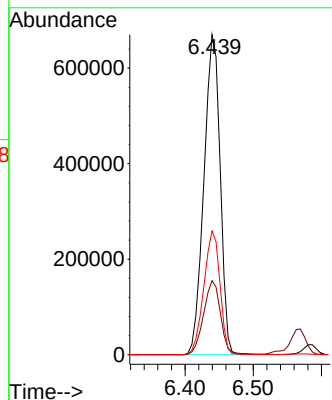
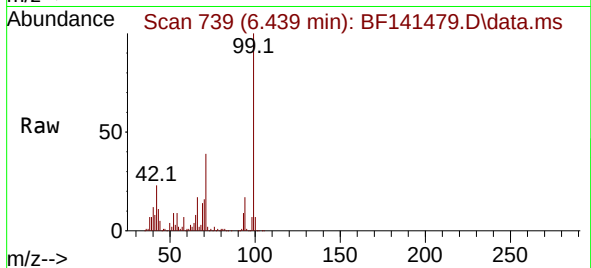




#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

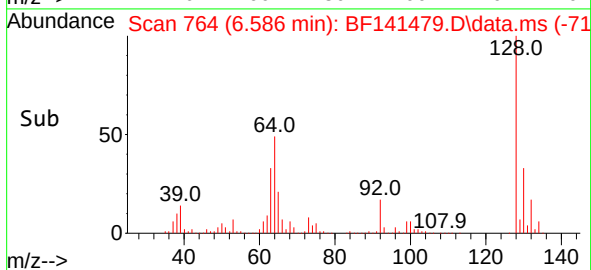
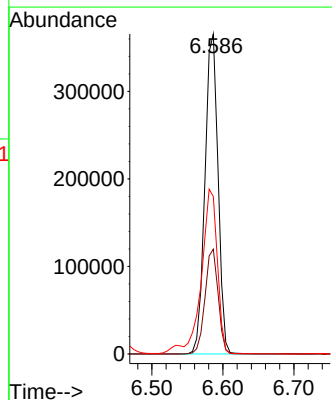
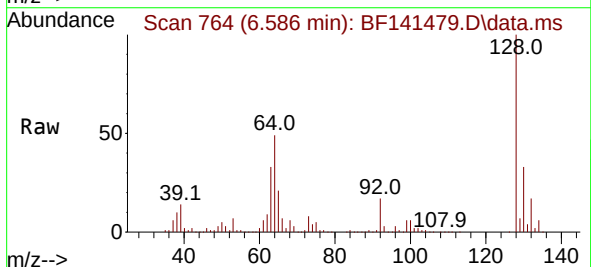
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

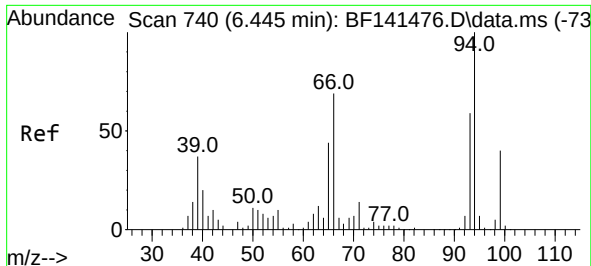
Tgt Ion: 99 Resp: 1112281
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 38.7 31.1 46.7



#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

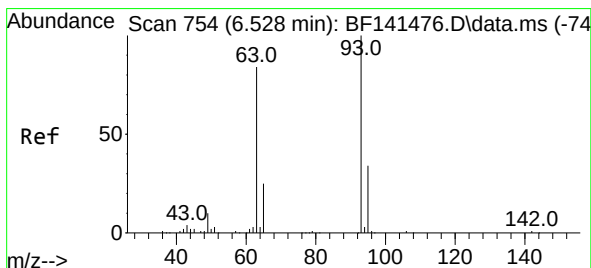
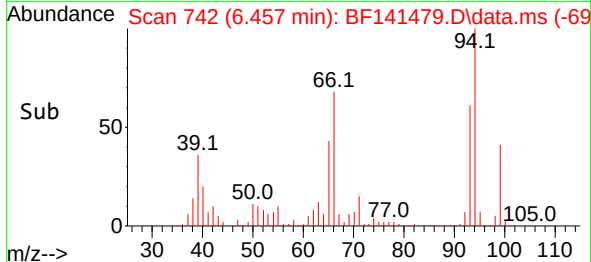
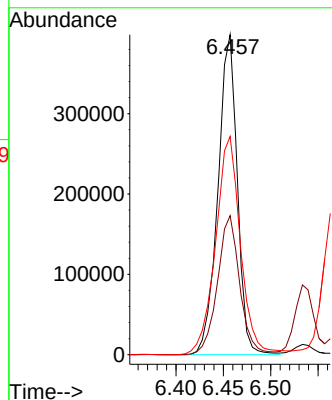
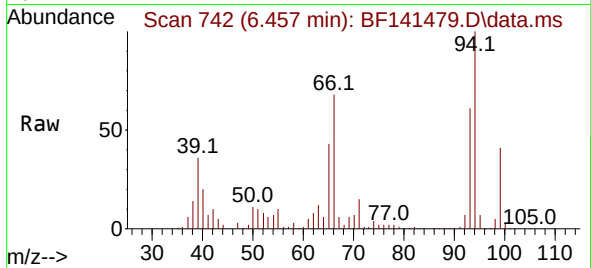




#10
Phenol
Concen: 74.779 ng
RT: 6.457 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

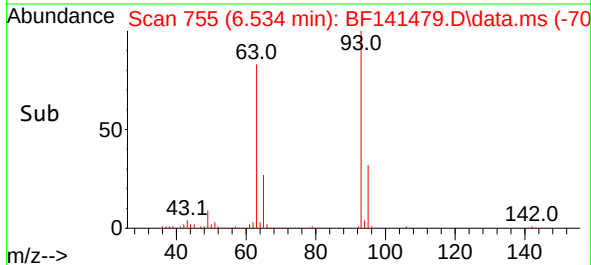
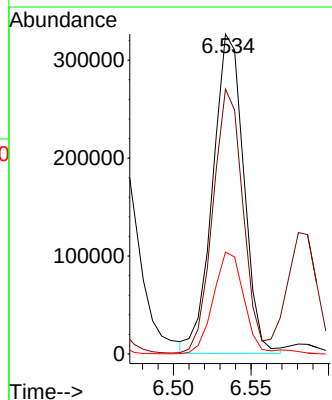
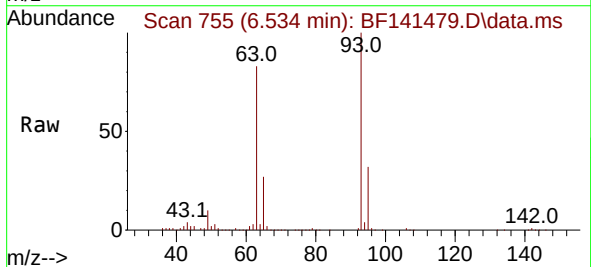
Instrument :
BNA_F
ClientSampleId :
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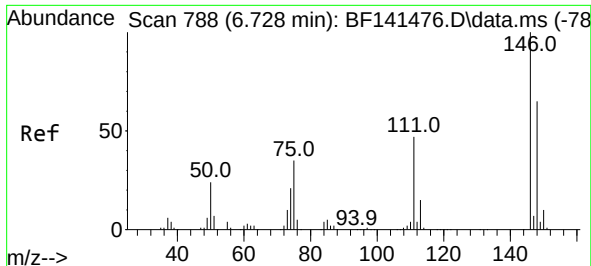
Tgt Ion: 94 Resp: 567332
Ion Ratio Lower Upper
94 100
65 43.5 23.7 63.7
66 68.2 49.3 89.3



#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

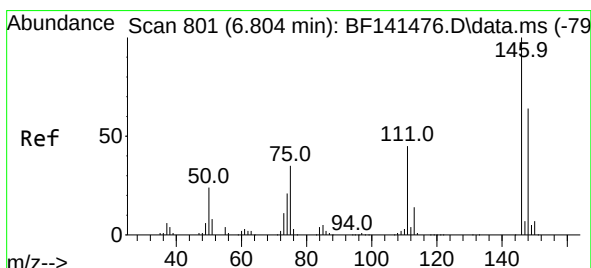
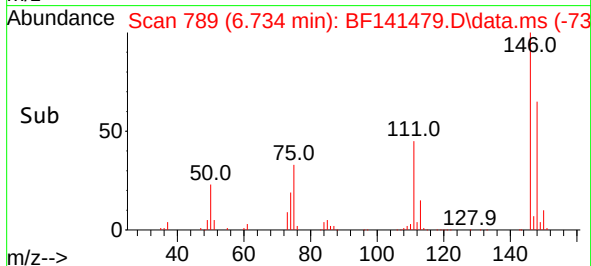
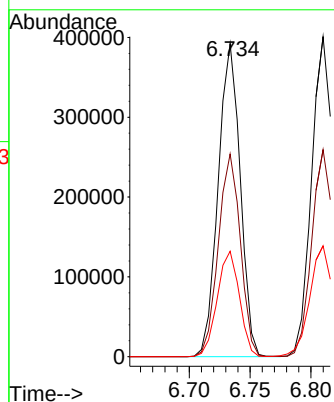
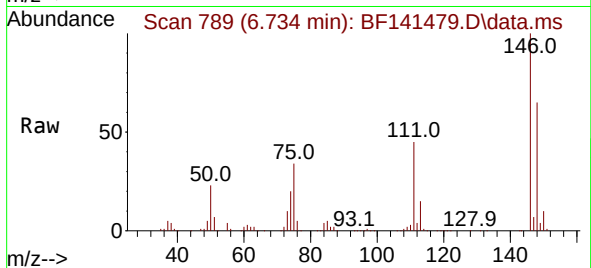




#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

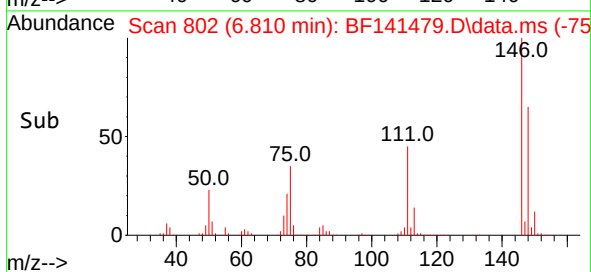
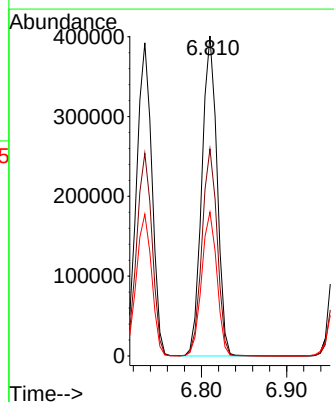
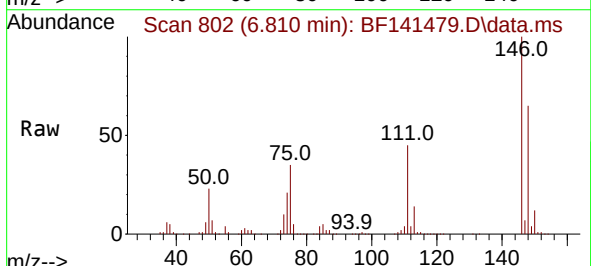
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

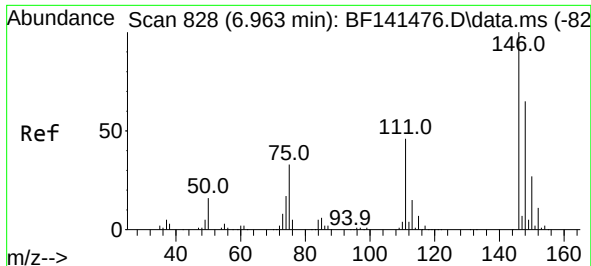
Tgt Ion:146 Resp: 494180
Ion Ratio Lower Upper
146 100
148 64.7 51.9 77.9
75 33.7 28.2 42.2



#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

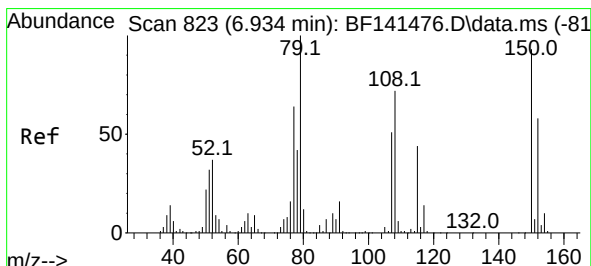
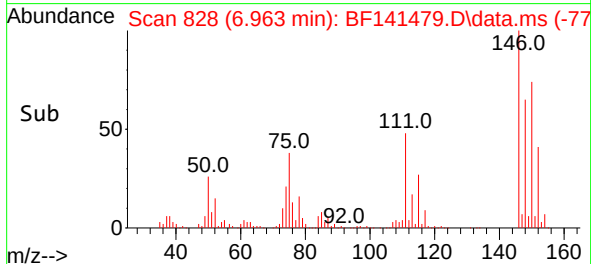
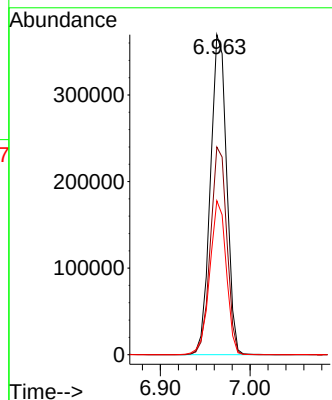
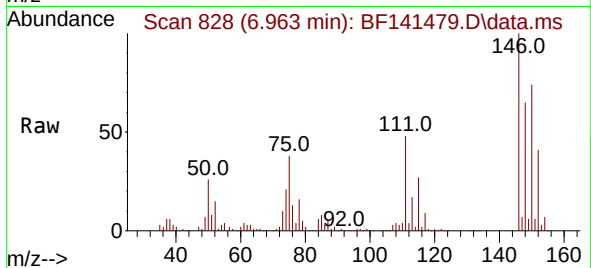




#14
1,2-Dichlorobenzene
Concen: 74.465 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

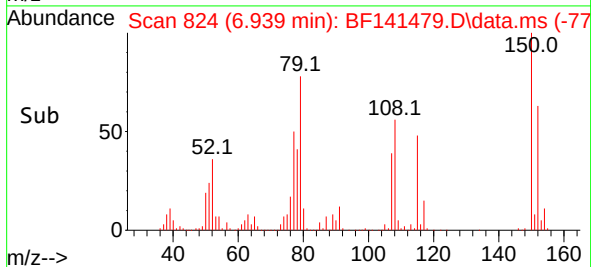
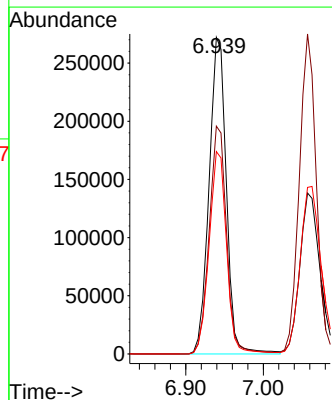
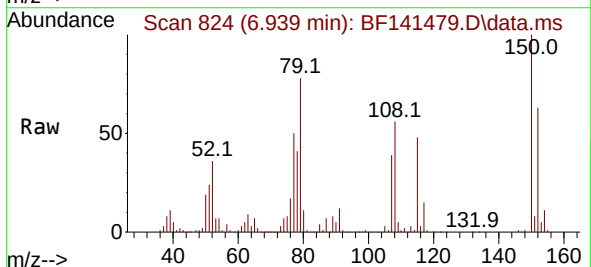
Instrument :
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ClientSampleId :
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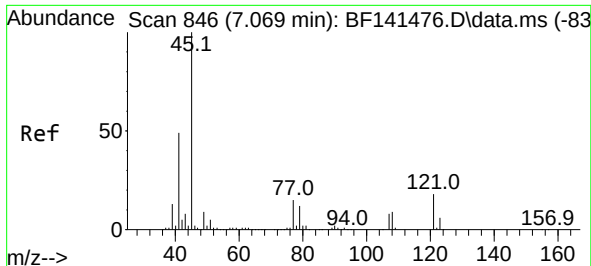
Tgt Ion:146 Resp: 464559
Ion Ratio Lower Upper
146 100
148 64.9 51.8 77.6
111 48.1 37.0 55.4



#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

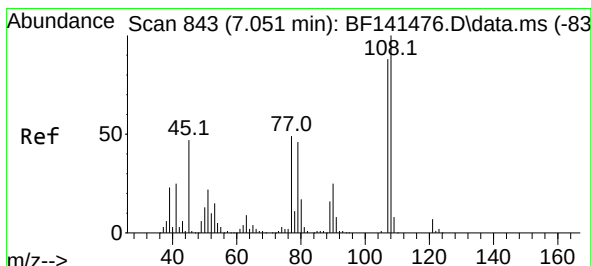
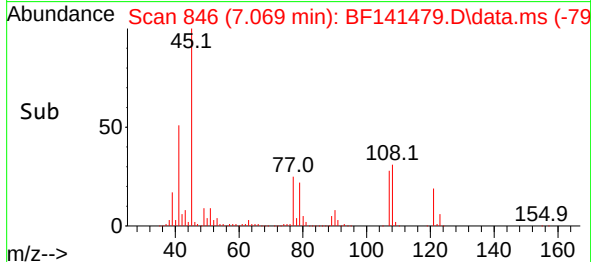
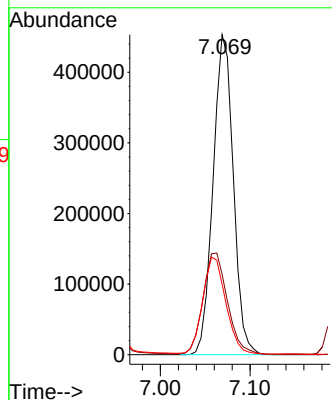
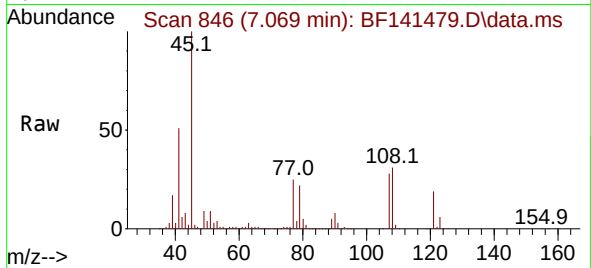




#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

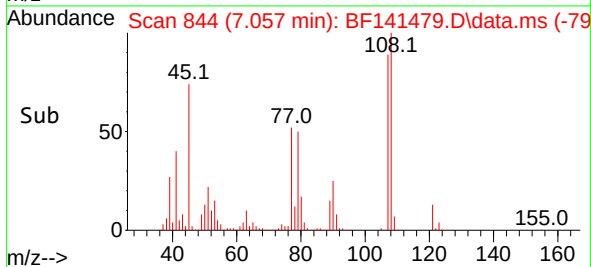
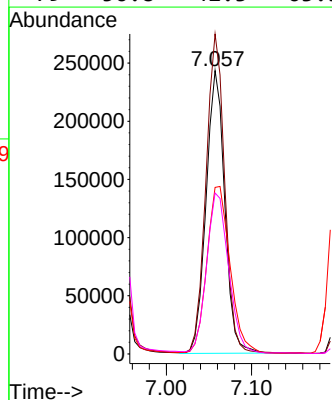
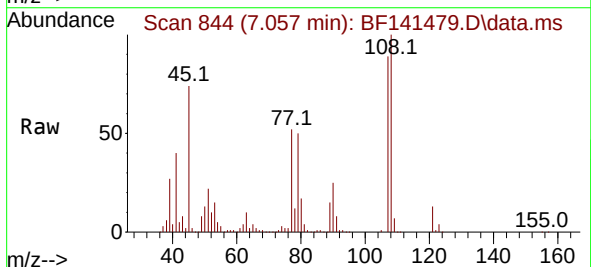
Instrument :
BNA_F
ClientSampleId :
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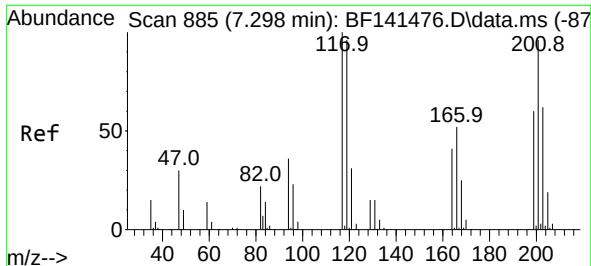
Tgt Ion: 45 Resp: 708318
Ion Ratio Lower Upper
45 100
77 25.1 0.0 35.8
79 22.0 0.0 32.7



#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

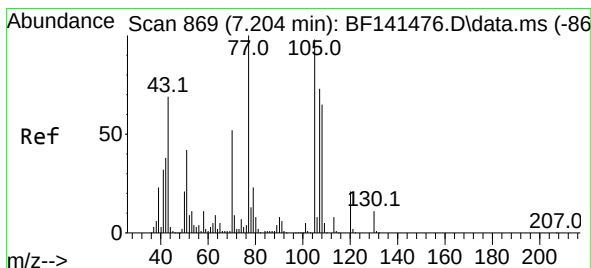
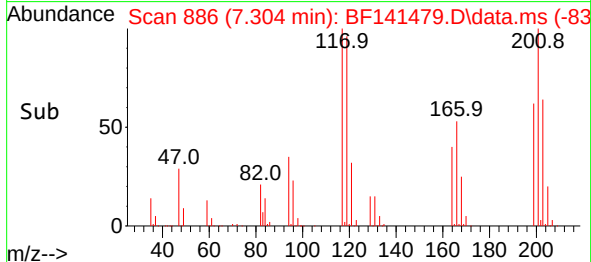
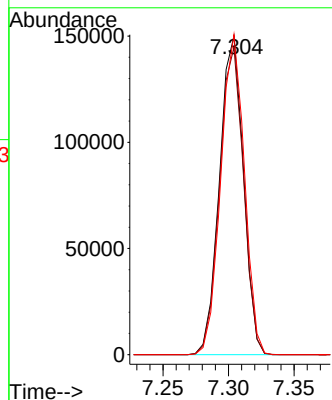
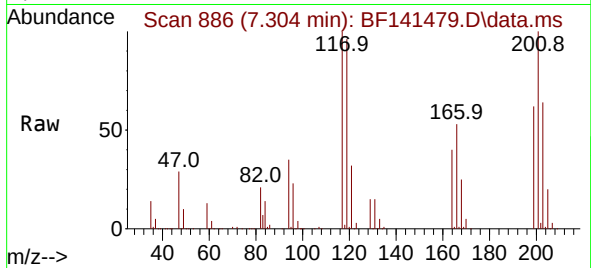




#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

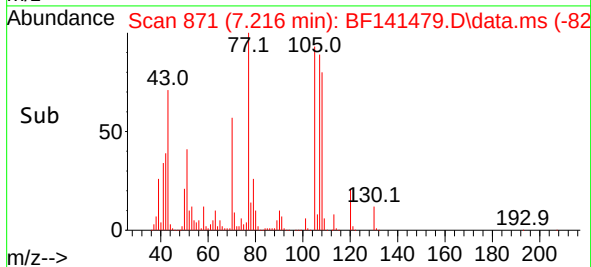
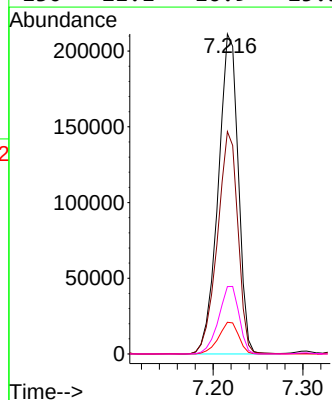
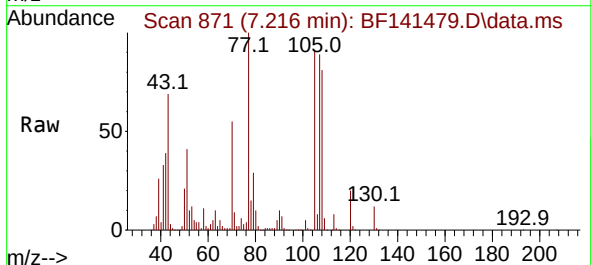
Instrument :
BNA_F
ClientSampleId :
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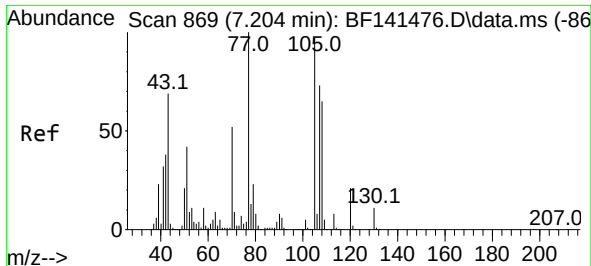
Tgt Ion:117 Resp: 190062
Ion Ratio Lower Upper
117 100
119 96.5 76.5 114.7
201 100.5 76.7 115.1



#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

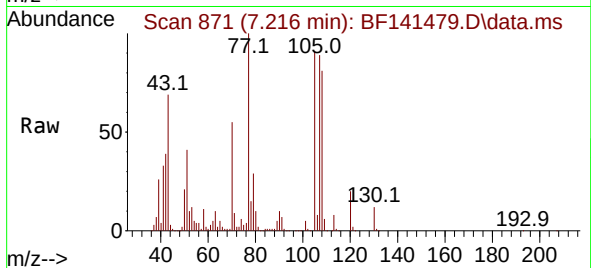
Tgt Ion: 70 Resp: 328097
Ion Ratio Lower Upper
70 100
42 69.5 57.4 86.2
101 9.9 8.0 12.0
130 21.1 16.9 25.3



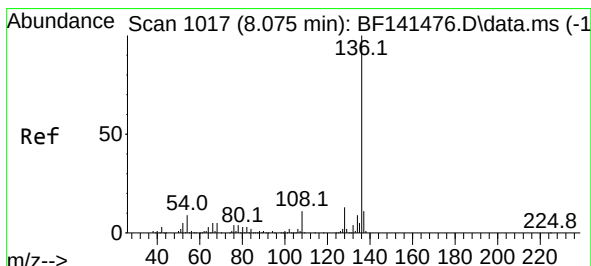
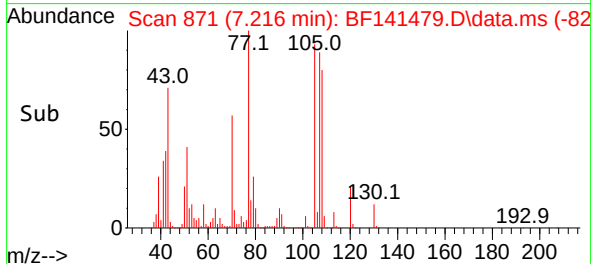
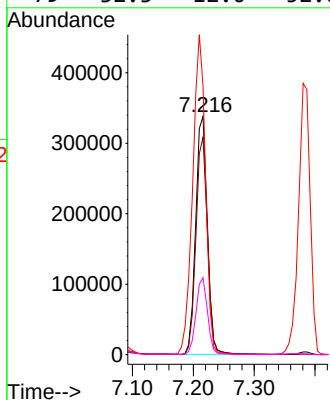


#20
3+4-Methylphenols
Concen: 72.613 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

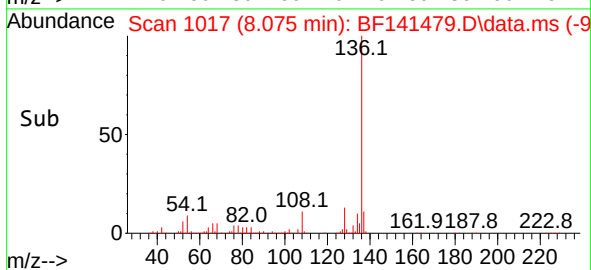
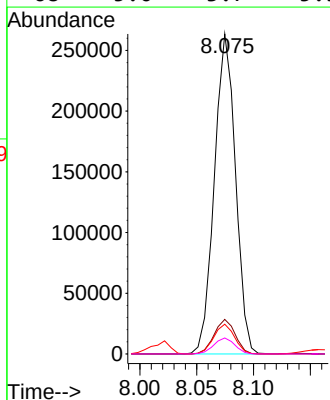
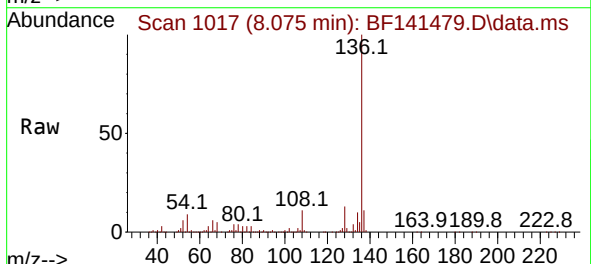


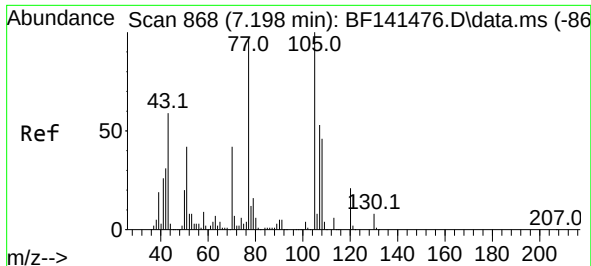
Tgt Ion:107 Resp: 450046
Ion Ratio Lower Upper
107 100
108 91.3 68.5 108.5
77 112.8 116.5 156.5#
79 32.3 12.0 52.0



#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

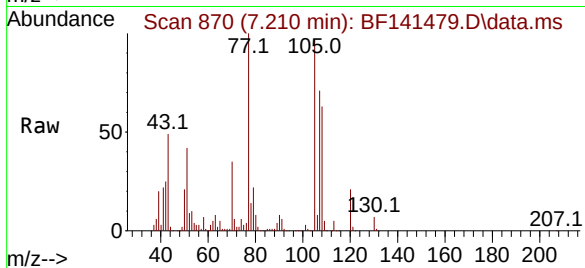
Tgt Ion:136 Resp: 341252
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.2 10.8
68 5.0 3.7 5.5



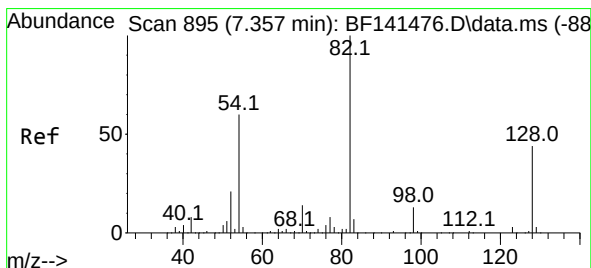
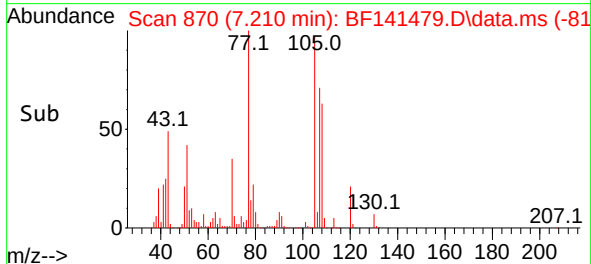
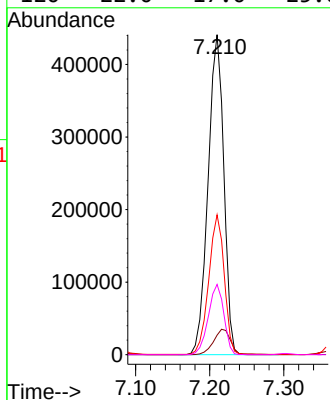


#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDIC080

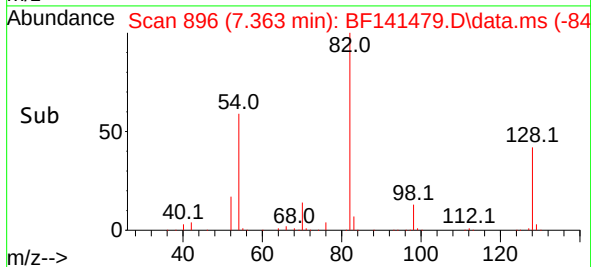
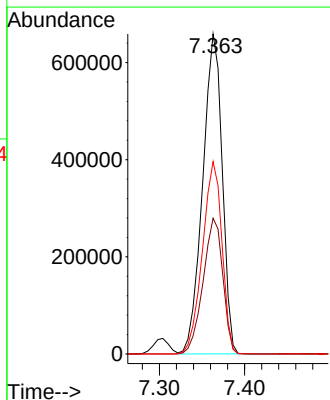
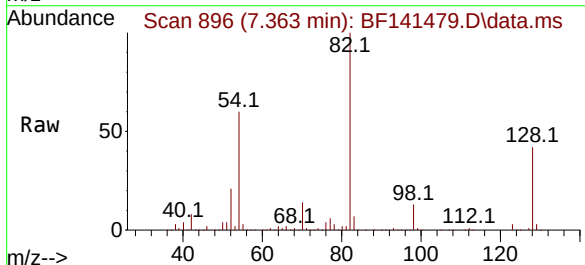


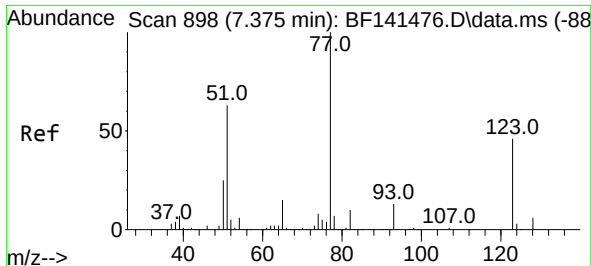
Tgt Ion:105 Resp: 652334
Ion Ratio Lower Upper
105 100
71 6.1 5.7 8.5
51 43.7 33.7 50.5
120 22.0 17.0 25.6



#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

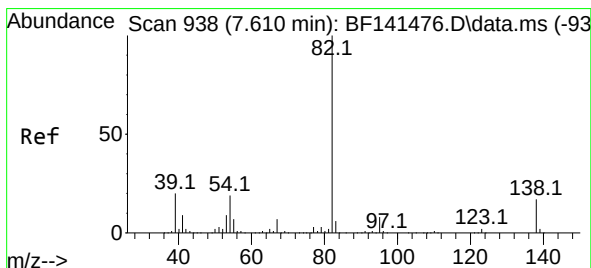
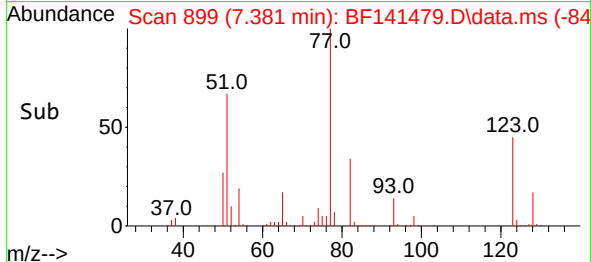
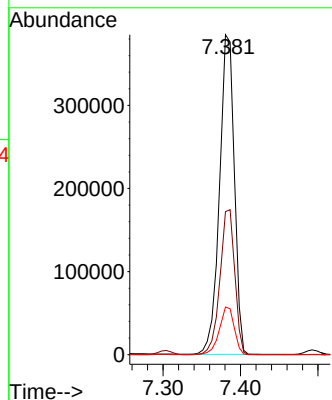
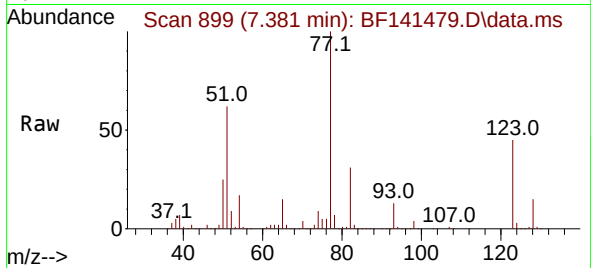




#24
Nitrobenzene
Concen: 80.448 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

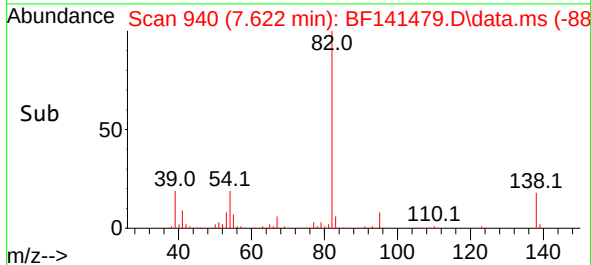
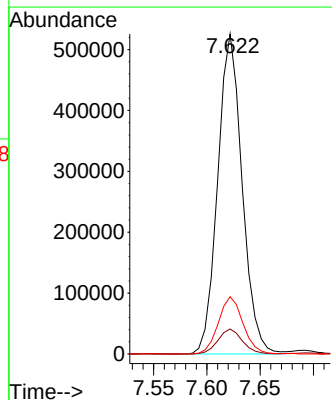
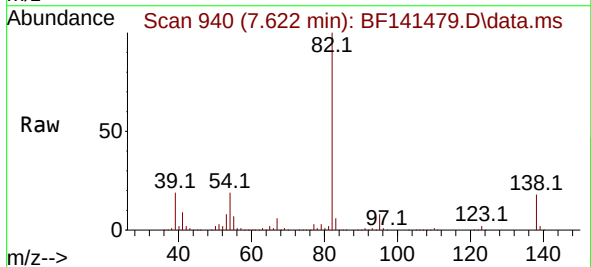
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

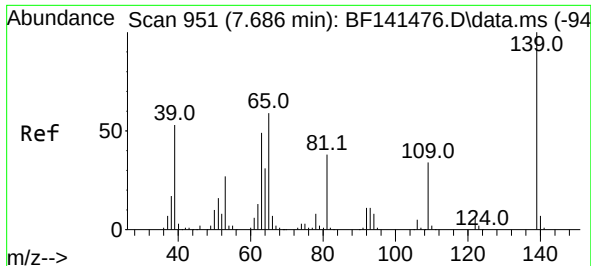
Tgt Ion: 77 Resp: 513249
Ion Ratio Lower Upper
77 100
123 44.7 36.9 55.3
65 14.9 11.9 17.9



#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

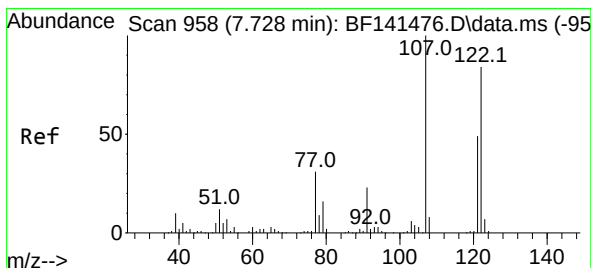
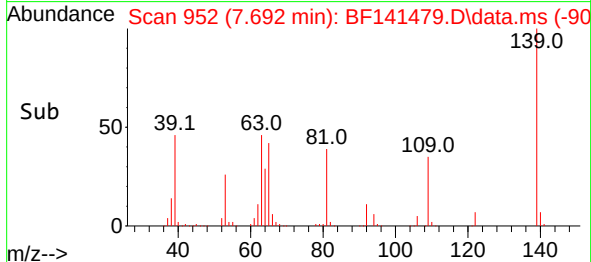
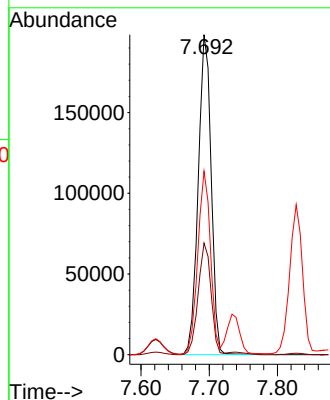
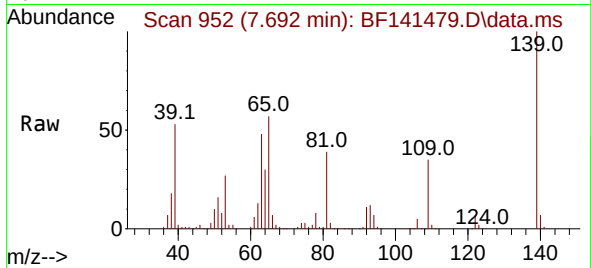




#26
2-Nitrophenol
Concen: 82.350 ng
RT: 7.692 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

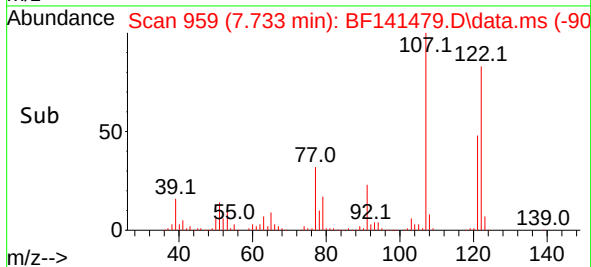
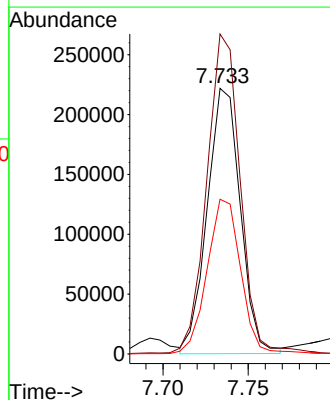
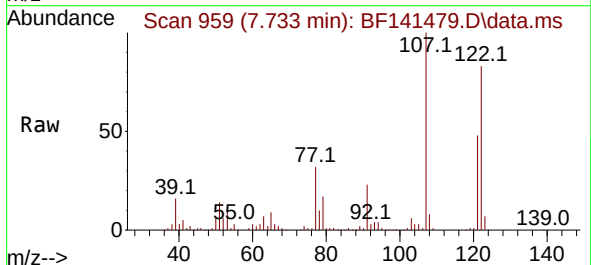
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

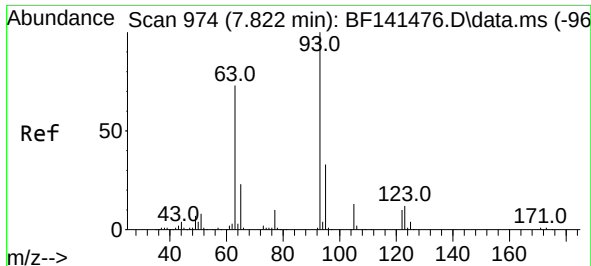
Tgt Ion:139 Resp: 261386
Ion Ratio Lower Upper
139 100
109 34.9 27.0 40.6
65 57.3 47.1 70.7



#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

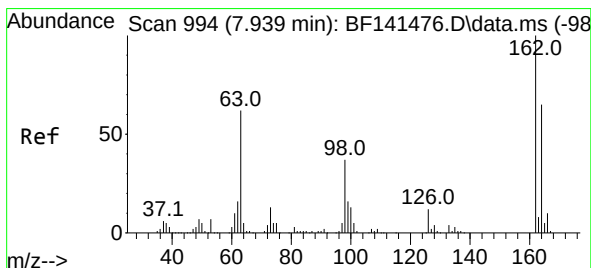
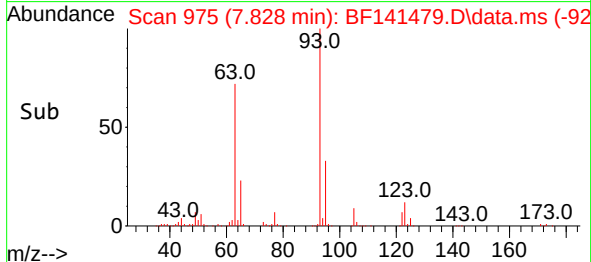
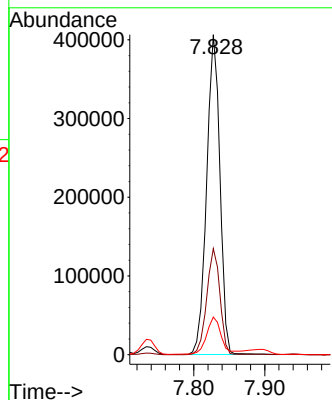
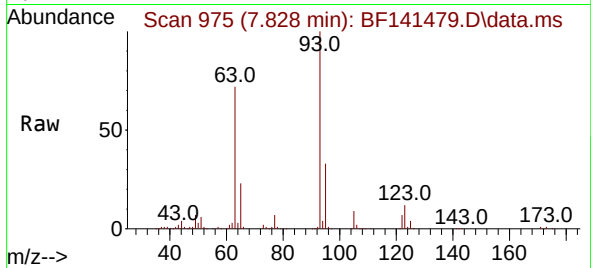




#28
bis(2-Chloroethoxy)methane
Concen: 79.203 ng
RT: 7.828 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

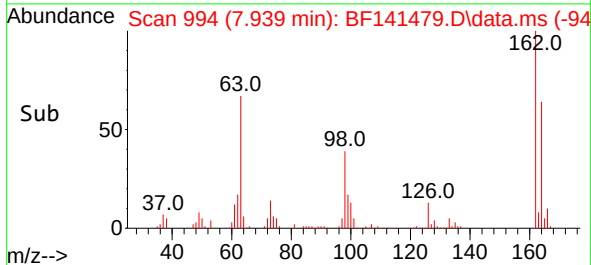
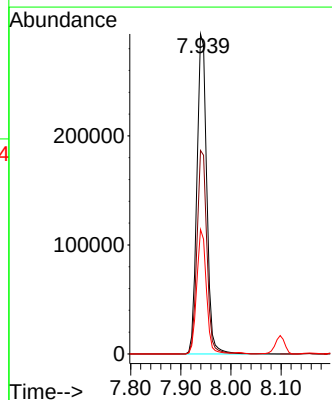
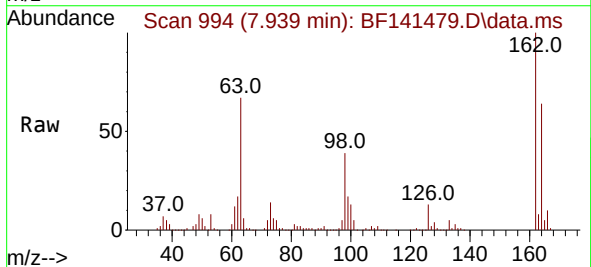
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

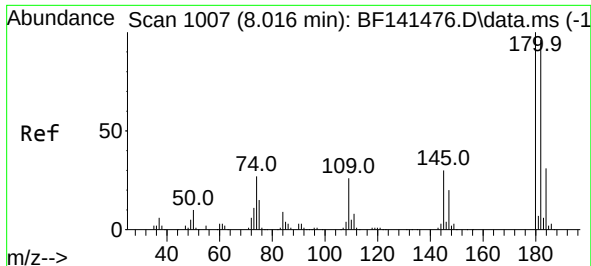
Tgt Ion: 93 Resp: 529442
Ion Ratio Lower Upper
93 100
95 33.2 26.1 39.1
123 11.8 9.5 14.3



#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

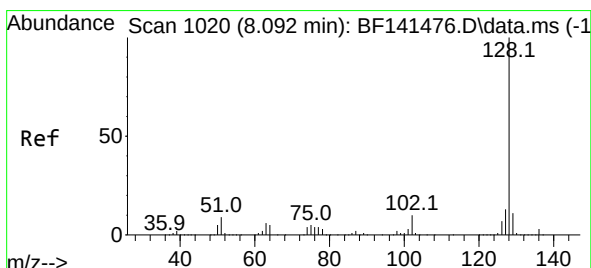
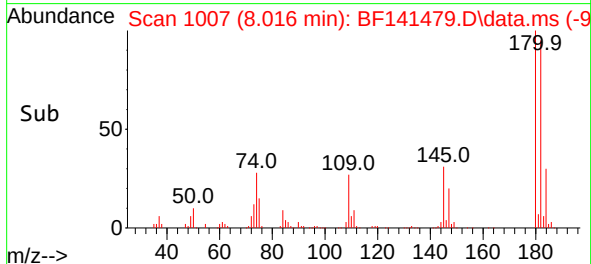
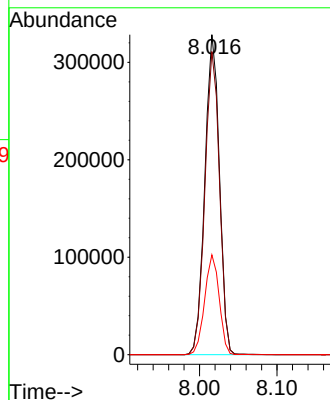
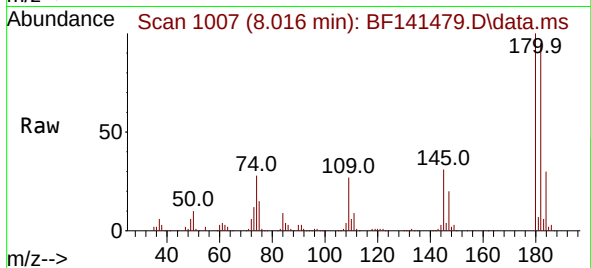
Tgt Ion:180 Resp: 428656

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

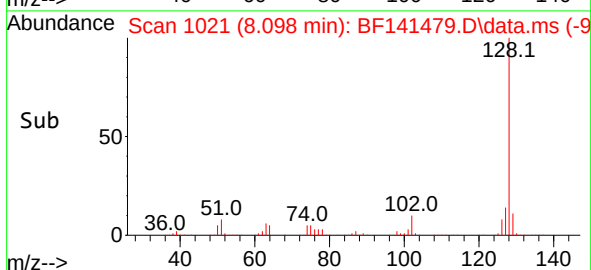
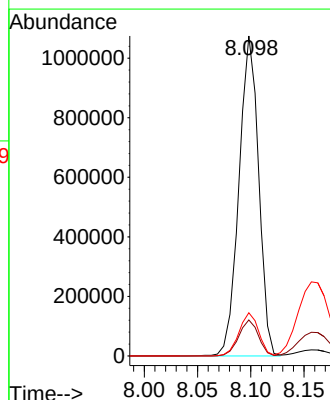
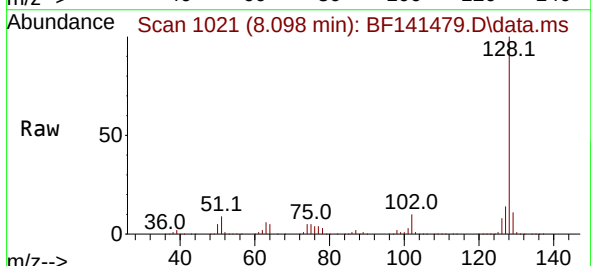
Tgt Ion:128 Resp: 1381453

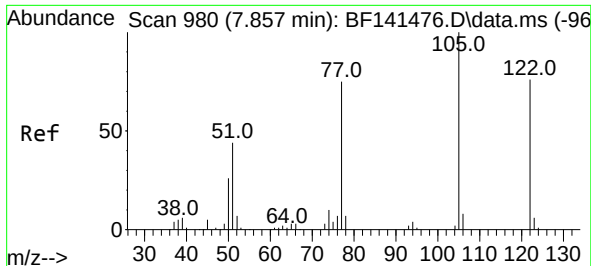
Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.5 10.7 16.1

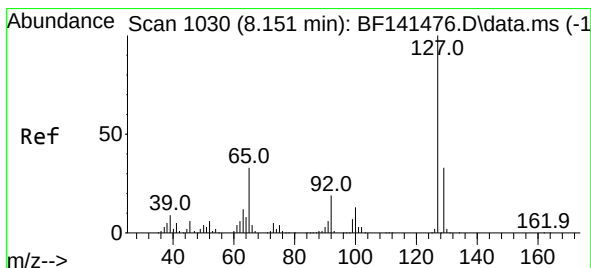
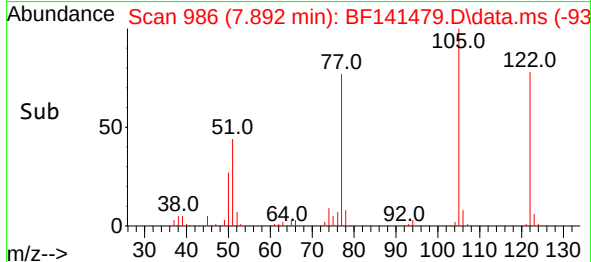
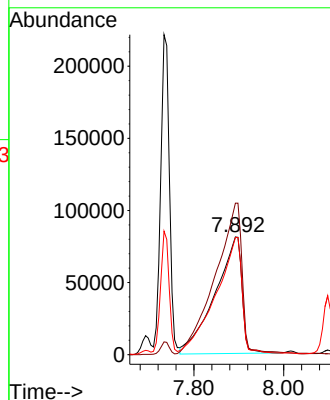
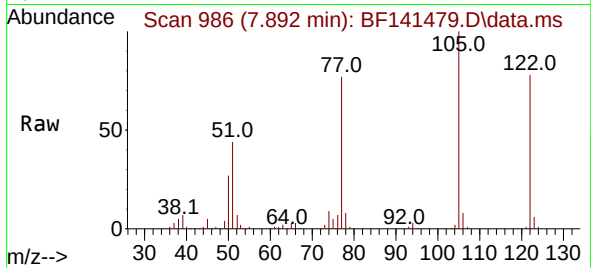




#32
Benzoic acid
Concen: 87.086 ng
RT: 7.892 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

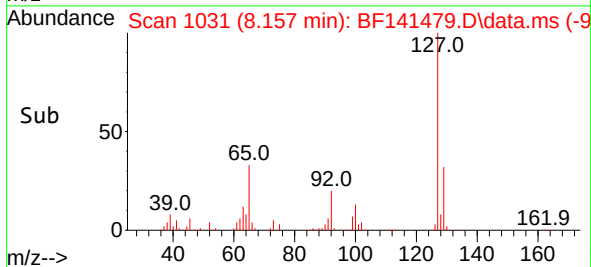
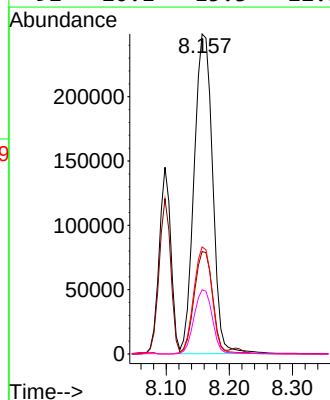
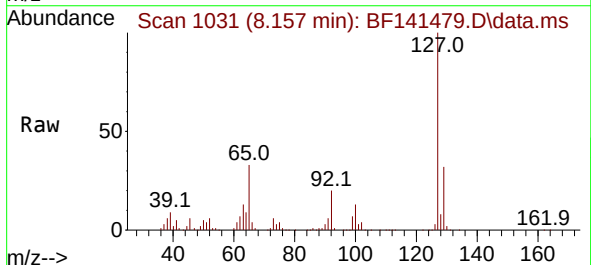
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

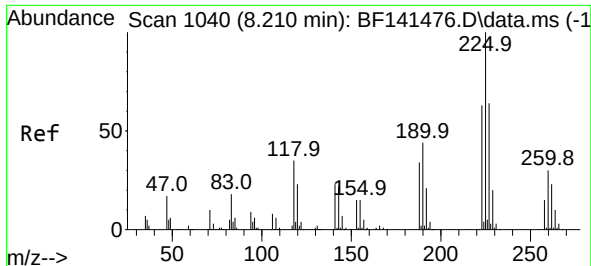
Tgt Ion:122 Resp: 335418
Ion Ratio Lower Upper
122 100
105 128.7 106.5 146.5
77 99.4 76.3 116.3



#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

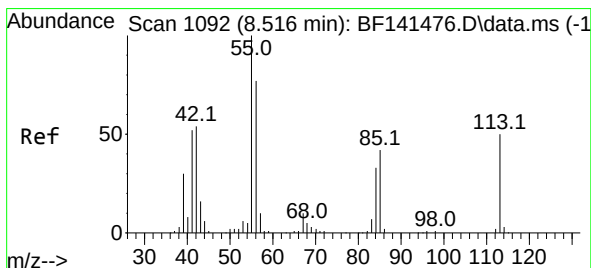
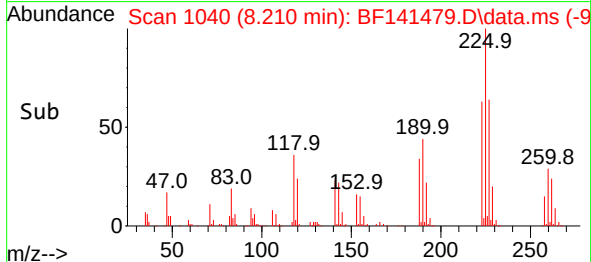
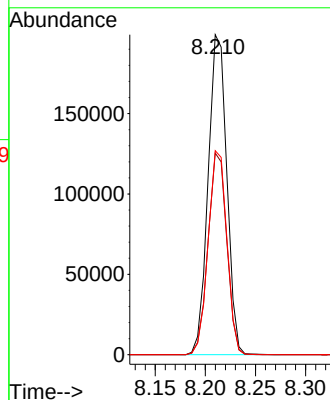
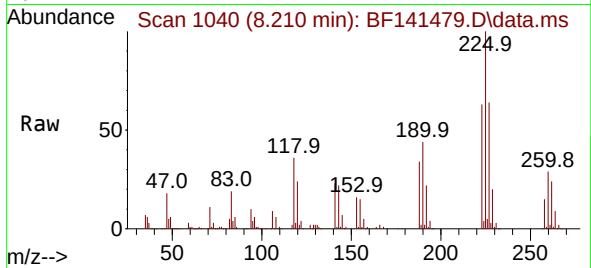




#34
Hexachlorobutadiene
Concen: 78.628 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

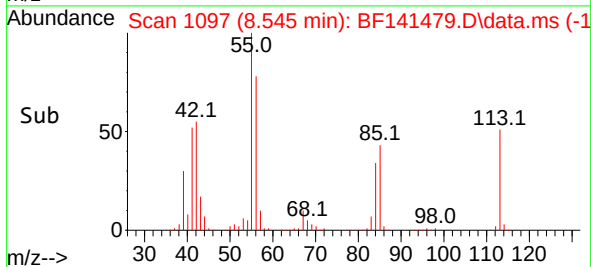
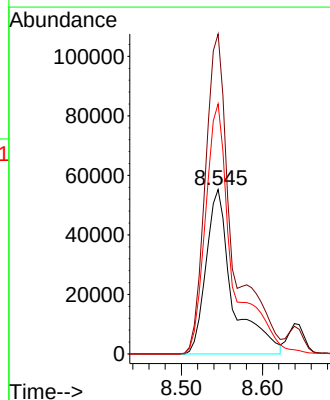
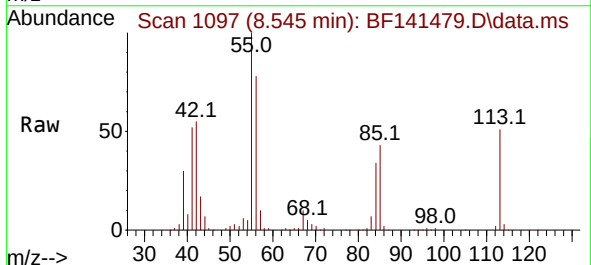
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

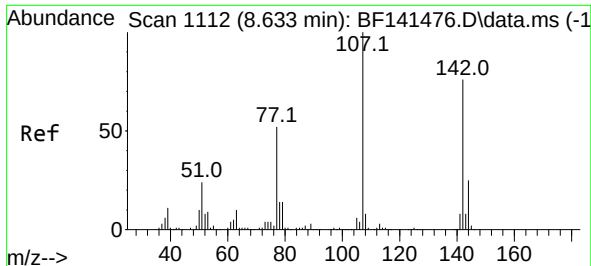
Tgt Ion:225 Resp: 257532
Ion Ratio Lower Upper
225 100
223 63.0 50.1 75.1
227 63.8 51.0 76.6



#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

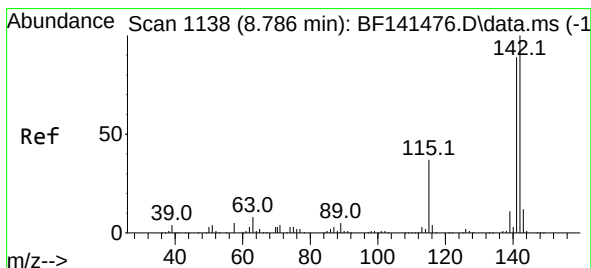
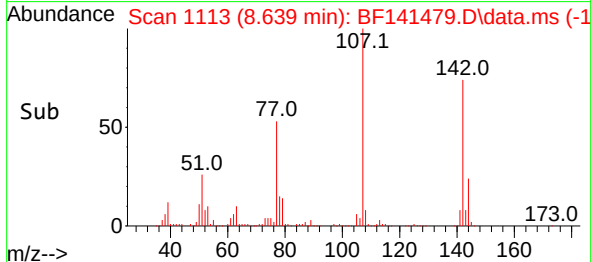
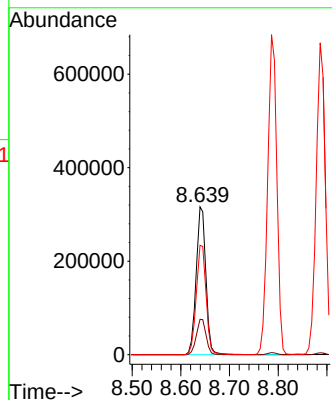
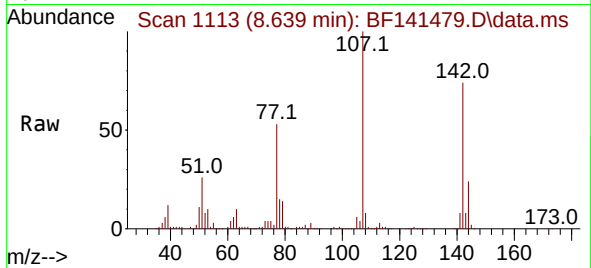




#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

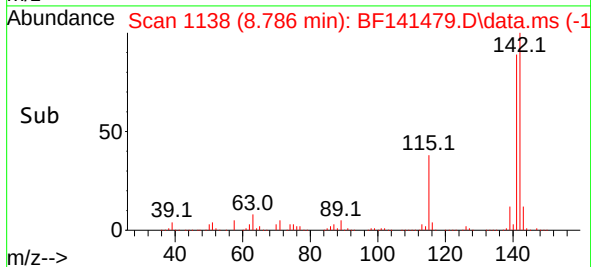
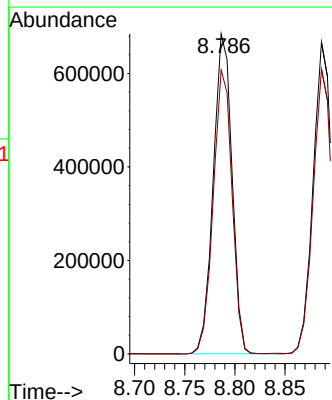
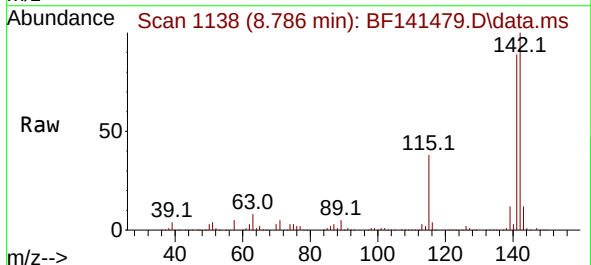
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

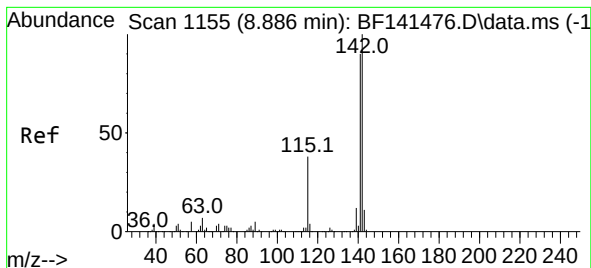
Tgt Ion:107 Resp: 441925
Ion Ratio Lower Upper
107 100
144 23.9 19.7 29.5
142 74.0 60.8 91.2



#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 :

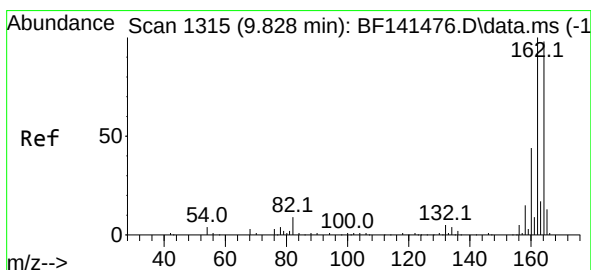
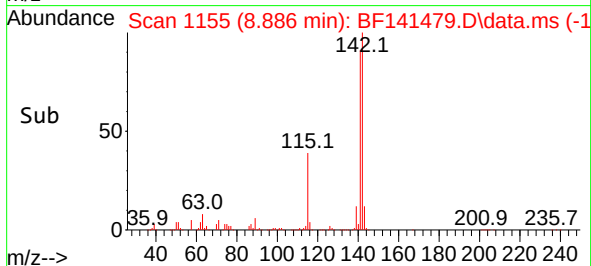
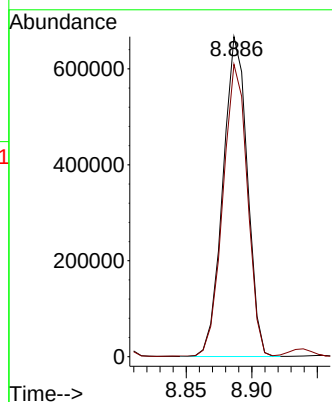
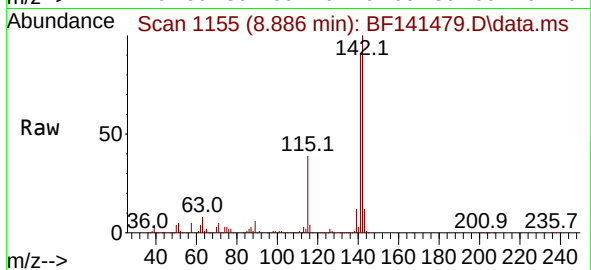
SSTDICC080

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

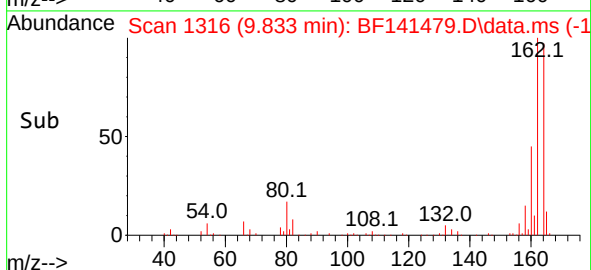
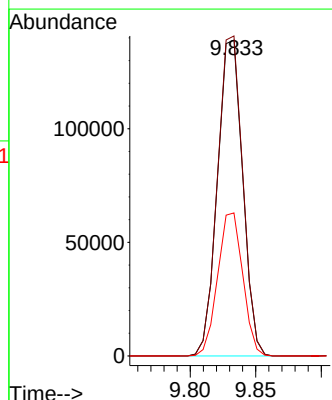
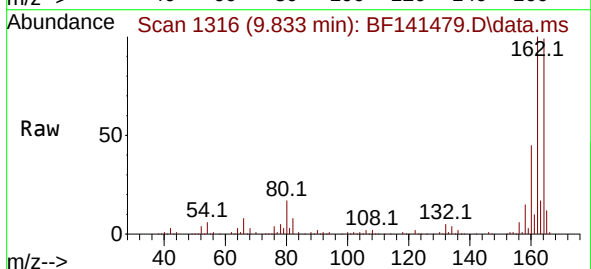
Tgt Ion:164 Resp: 186230

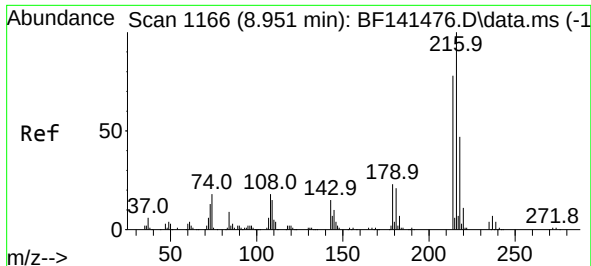
Ion Ratio Lower Upper

164 100

162 101.3 81.3 121.9

160 45.3 35.9 53.9

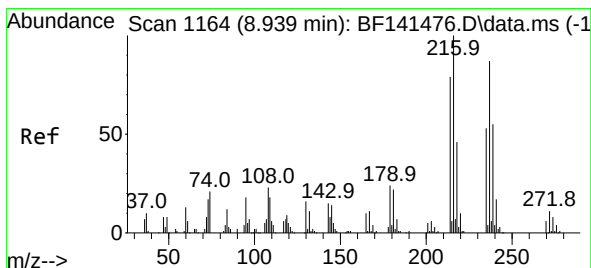
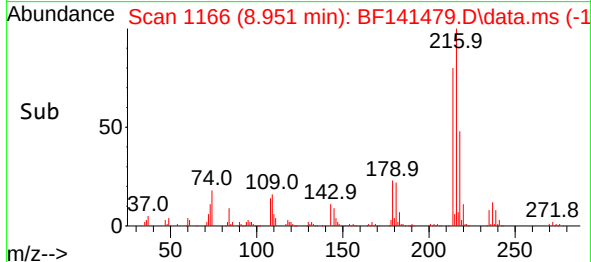
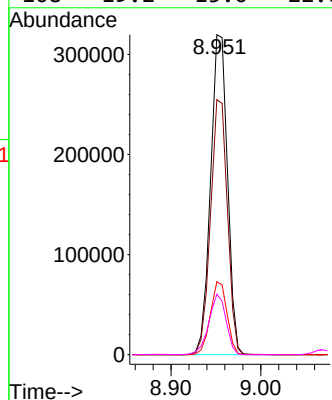
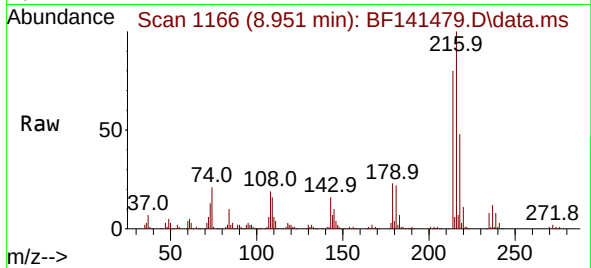




#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

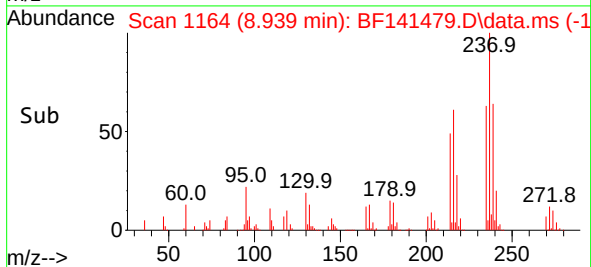
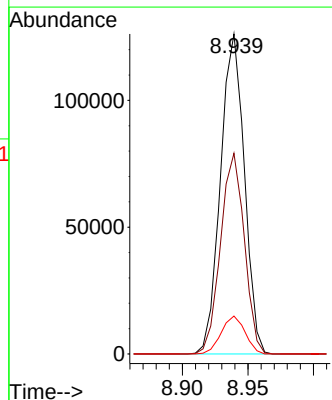
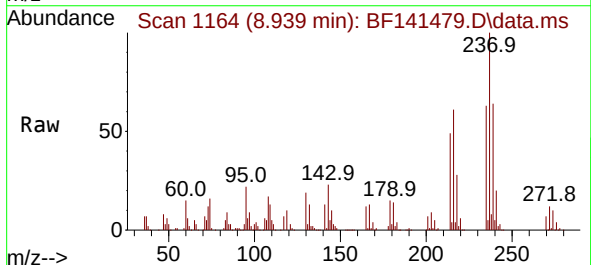
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

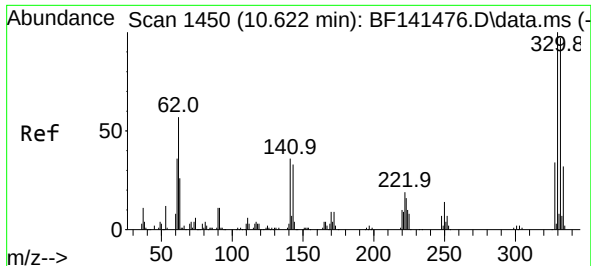
Tgt Ion:	216	Resp:	418579
Ion Ratio	Lower	Upper	
216	100		
214	79.6	62.3	93.5
179	22.4	18.0	27.0
108	19.2	15.0	22.6



#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

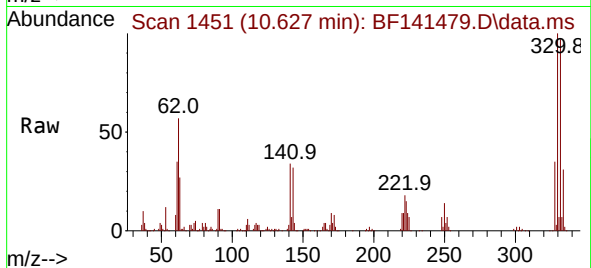
Tgt Ion:	237	Resp:	159430
Ion Ratio	Lower	Upper	
237	100		
235	62.7	41.4	81.4
272	11.9	0.0	32.4



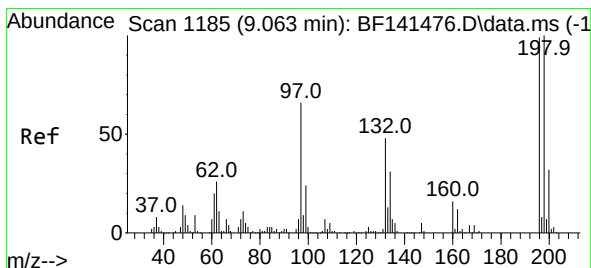
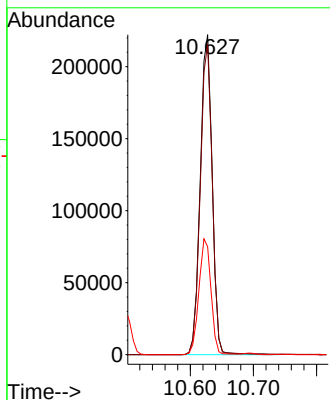
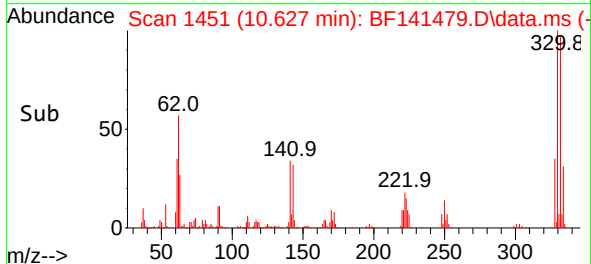


#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

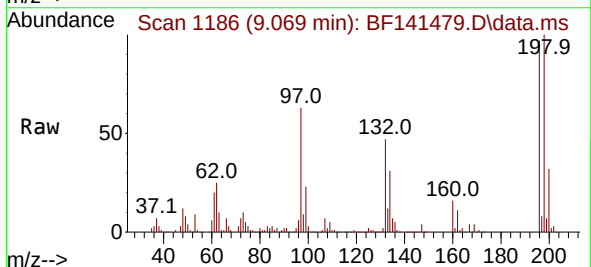
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



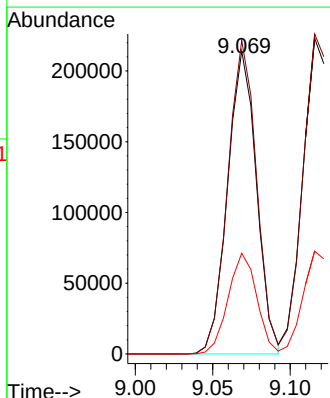
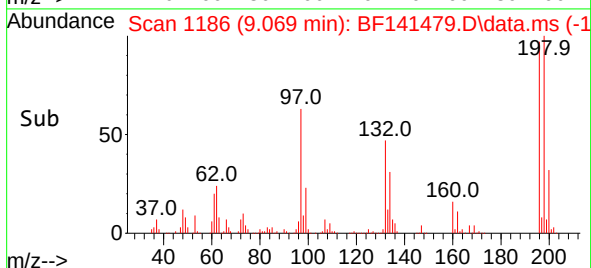
Tgt Ion:330 Resp: 291947
Ion Ratio Lower Upper
330 100
332 97.2 78.5 117.7
141 36.6 31.0 46.4

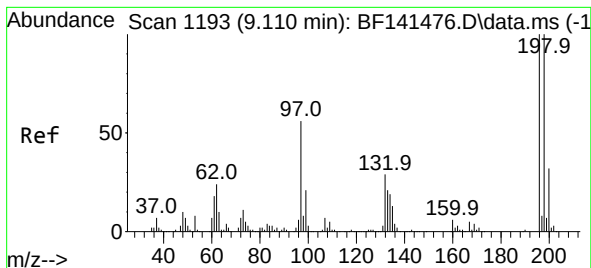


#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14



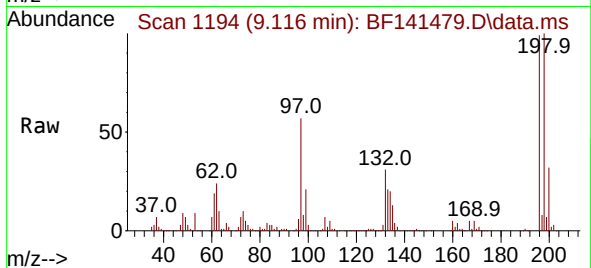
Tgt Ion:196 Resp: 277156
Ion Ratio Lower Upper
196 100
198 103.5 80.6 121.0
200 33.3 25.5 38.3



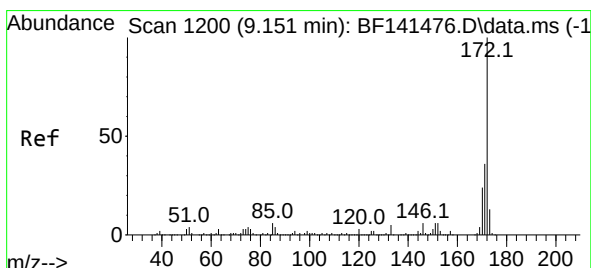
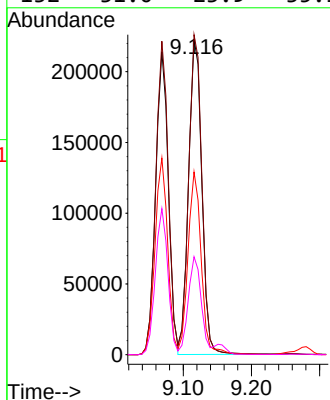
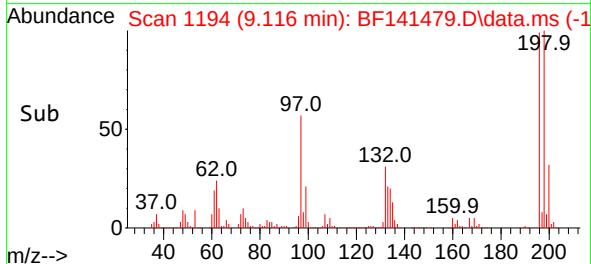


#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

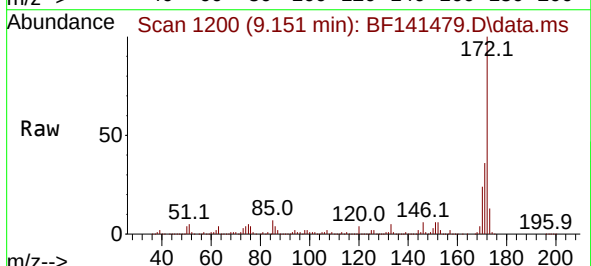
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



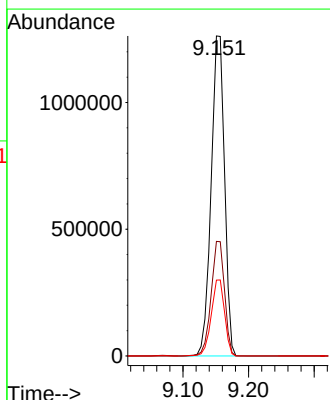
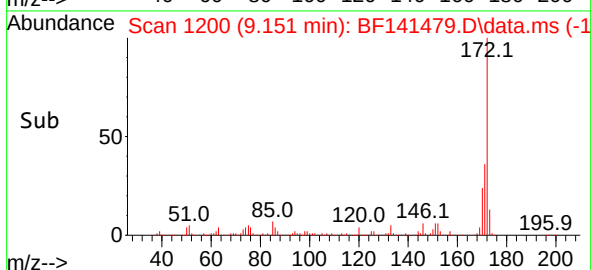
Tgt Ion:196 Resp: 298856
Ion Ratio Lower Upper
196 100
198 101.4 79.8 119.8
97 57.9 44.8 67.2
132 31.0 23.9 35.9

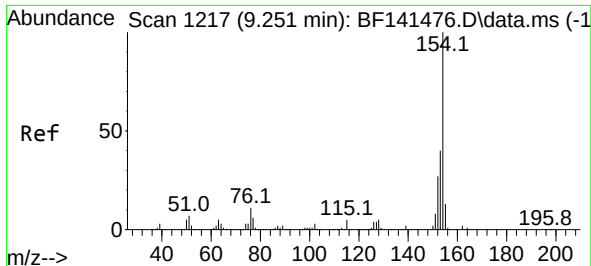


#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14



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

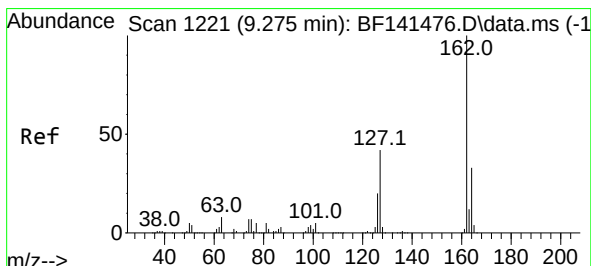
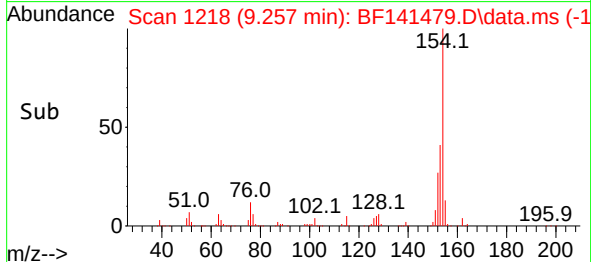
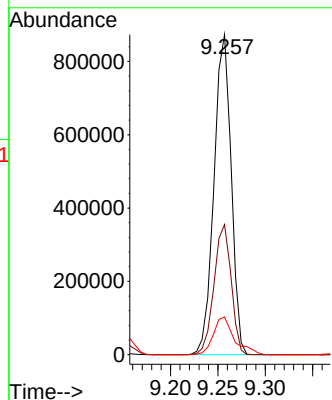
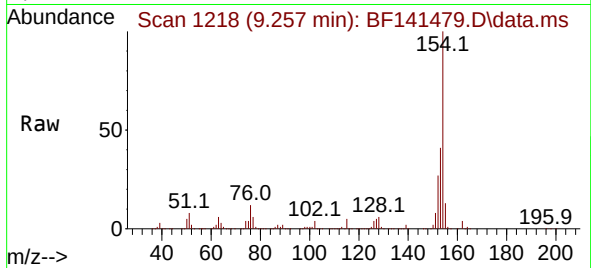




#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

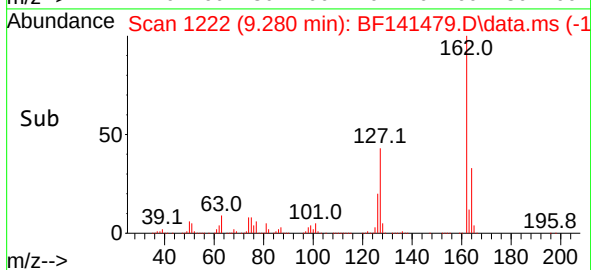
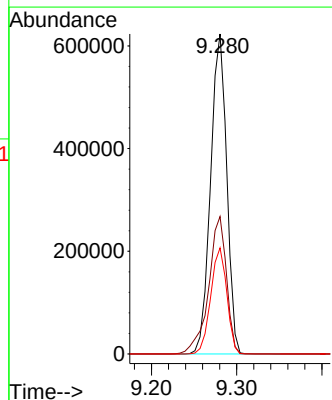
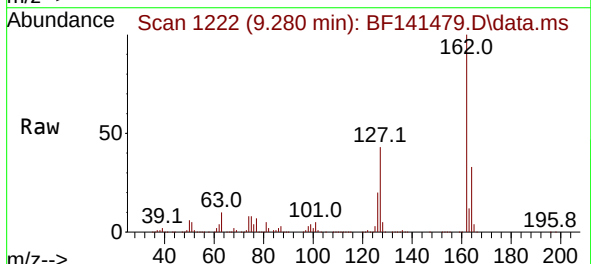
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

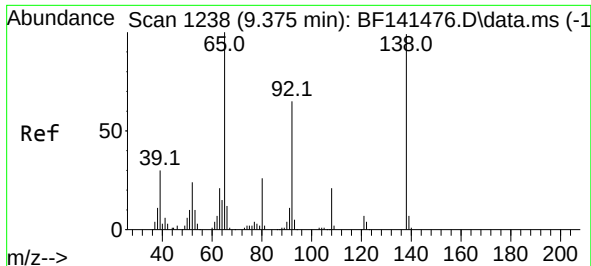
Tgt Ion:154 Resp: 1100720
Ion Ratio Lower Upper
154 100
153 40.7 20.4 60.4
76 11.8 0.0 30.8



#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

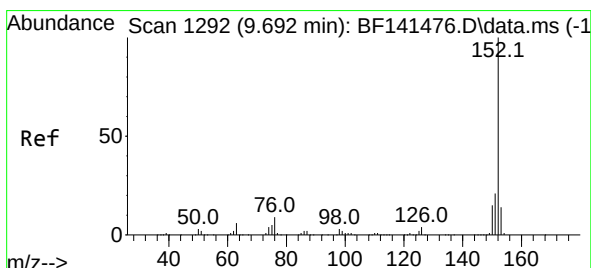
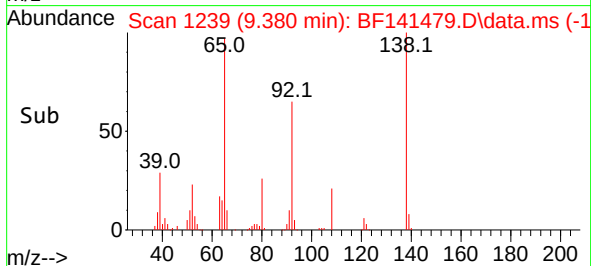
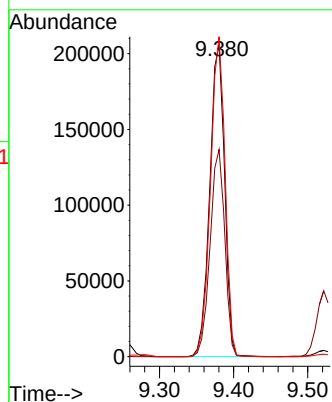
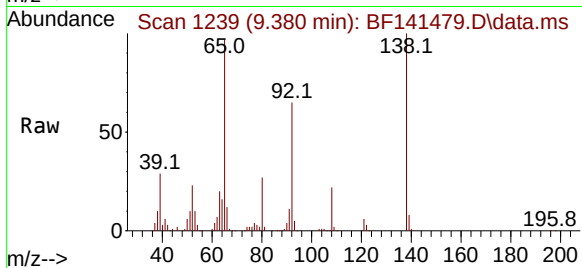
Tgt Ion: 65 Resp: 286532

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

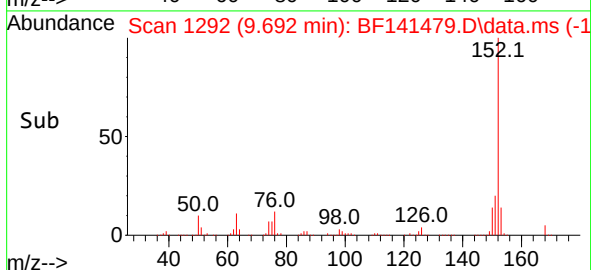
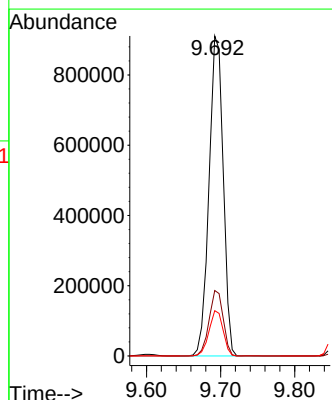
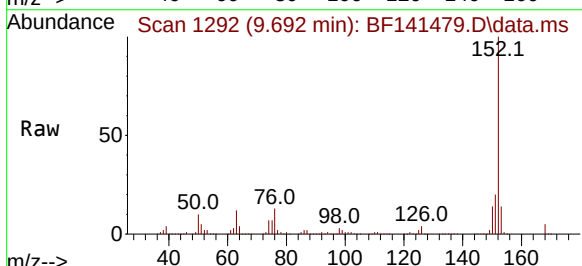
Tgt Ion: 152 Resp: 1211515

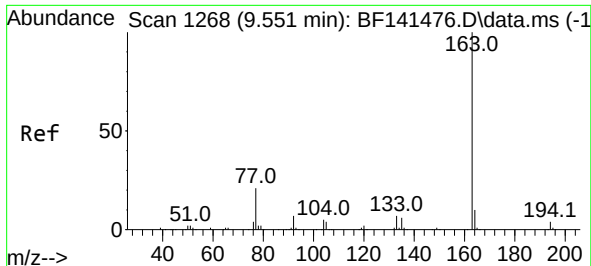
Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 14.1 10.9 16.3

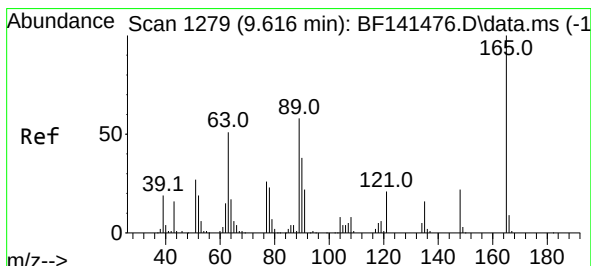
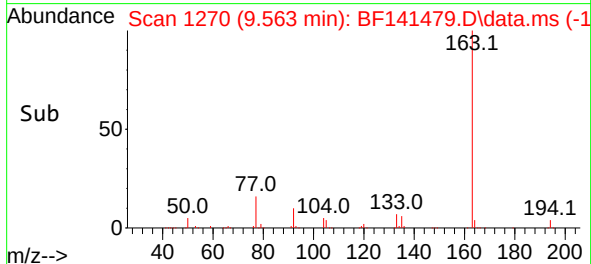
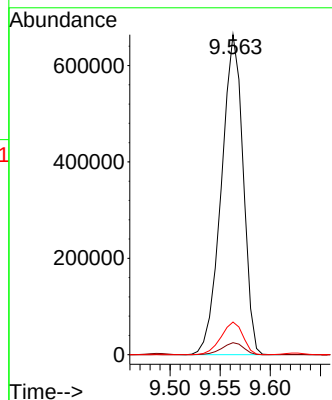
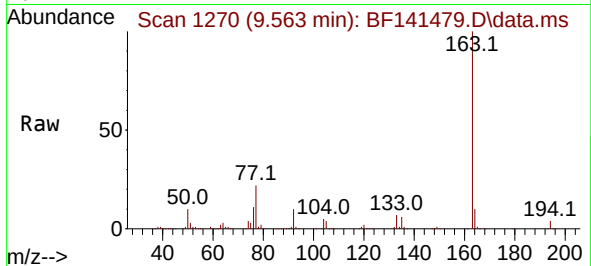




#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

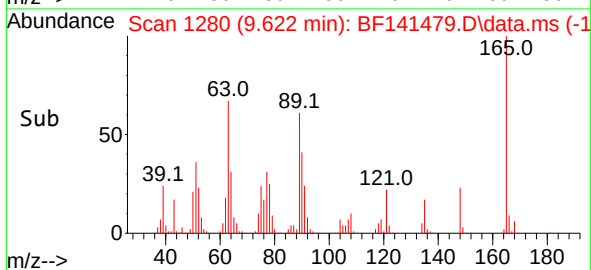
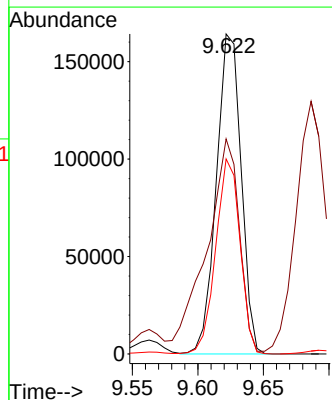
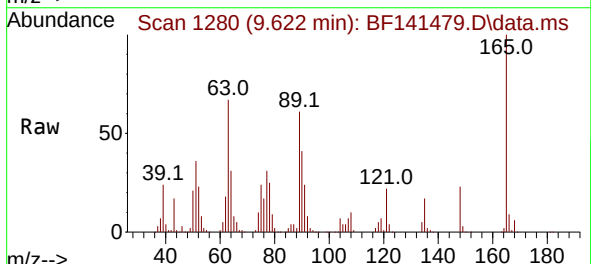
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

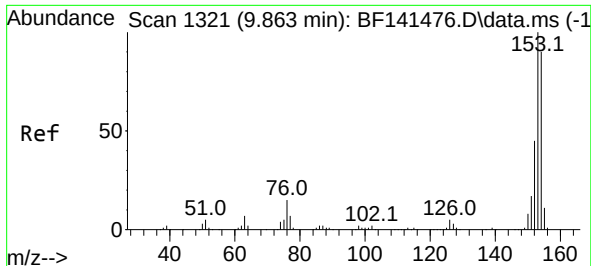
Tgt Ion:163 Resp: 1002121
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.2 7.9 11.9



#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

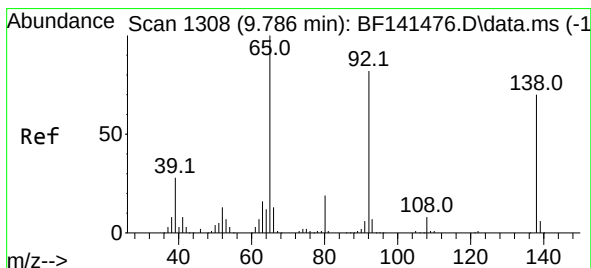
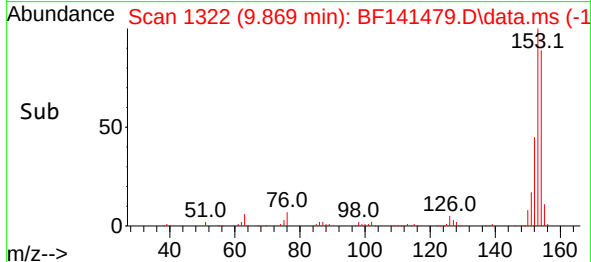
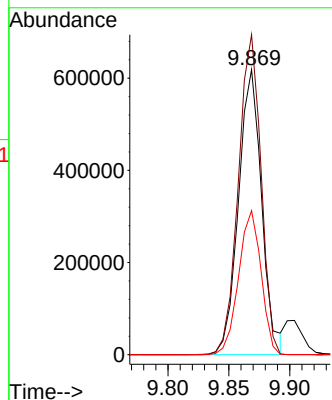
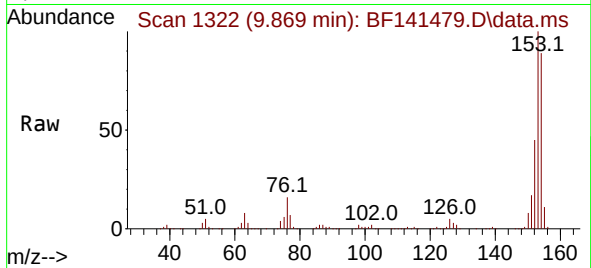




#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

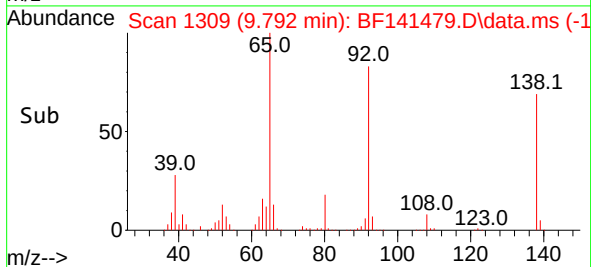
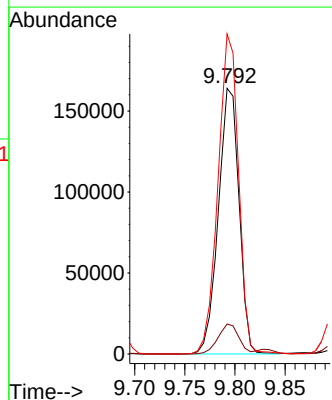
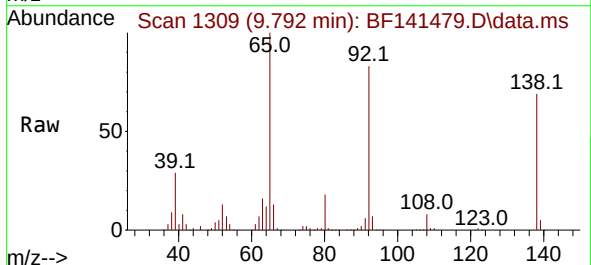
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

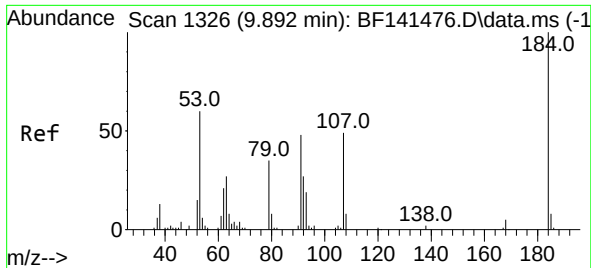
Tgt Ion:154 Resp: 819818
Ion Ratio Lower Upper
154 100
153 112.2 89.2 133.8
152 50.5 39.8 59.8



#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

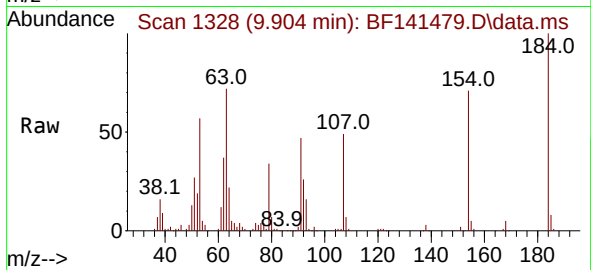
Tgt Ion:138 Resp: 235511
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.4
92 120.4 93.7 140.5



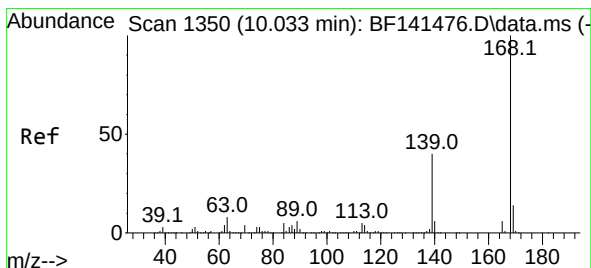
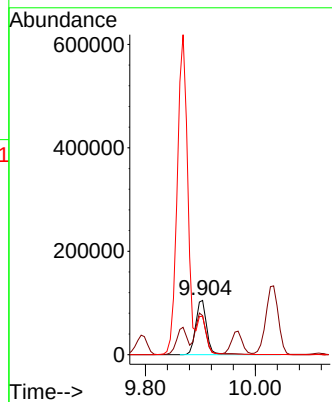
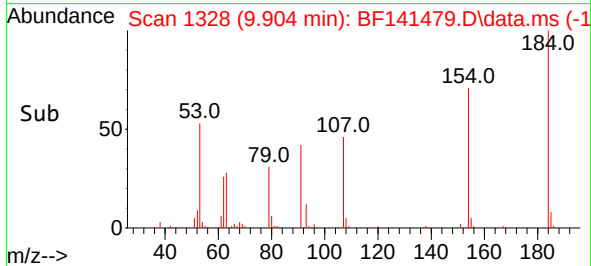


#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

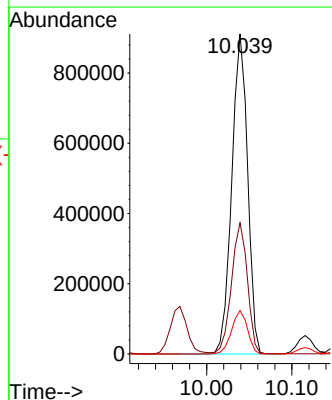
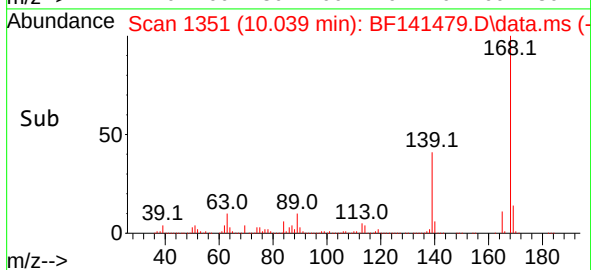
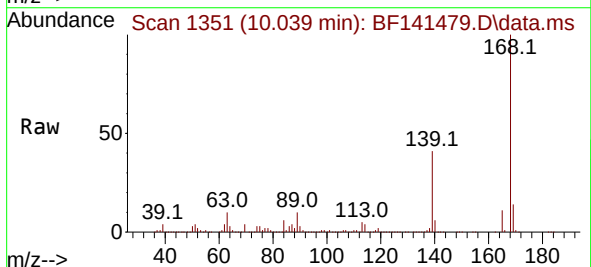


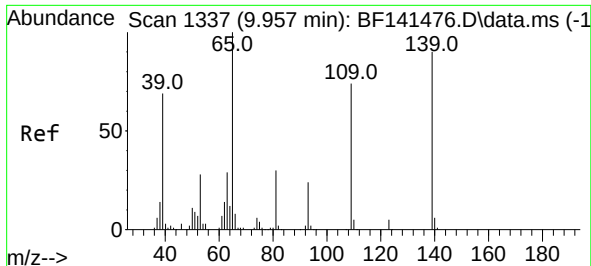
Tgt Ion:184 Resp: 147768
Ion Ratio Lower Upper
184 100
63 72.1 61.0 91.6
154 70.8 59.9 89.9



#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

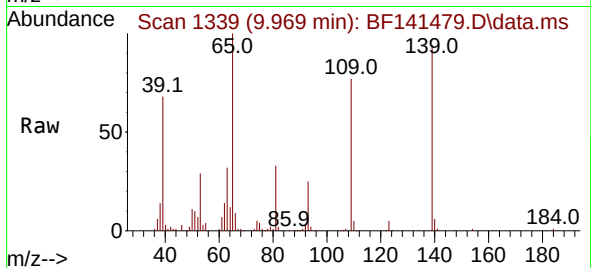
Tgt Ion:168 Resp: 1174157
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.6 10.8 16.2



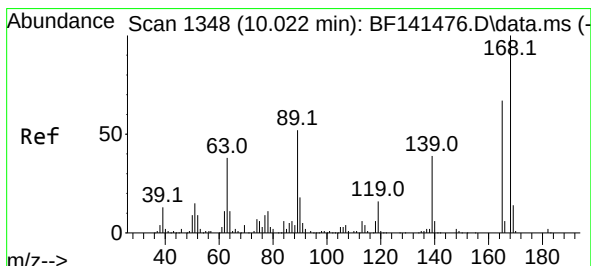
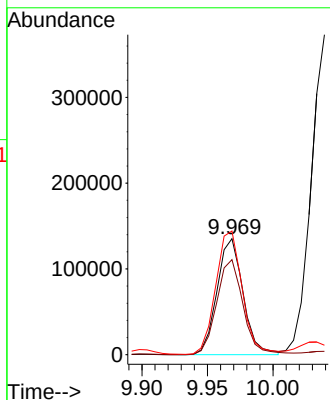
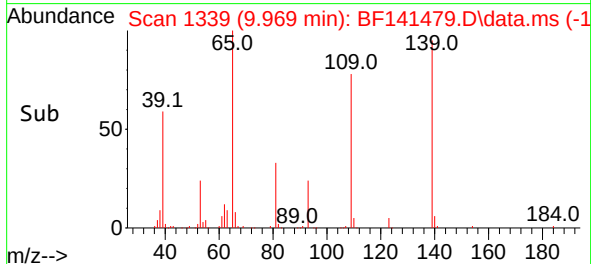


#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

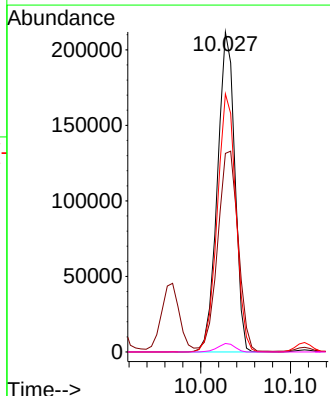
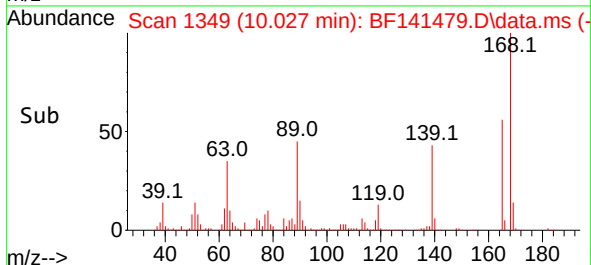
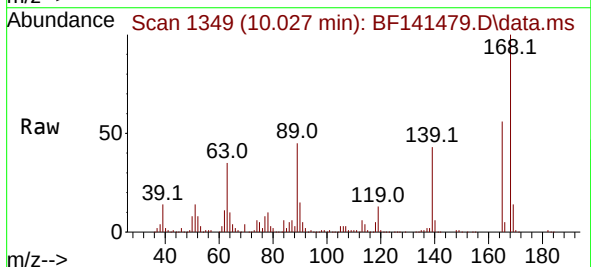


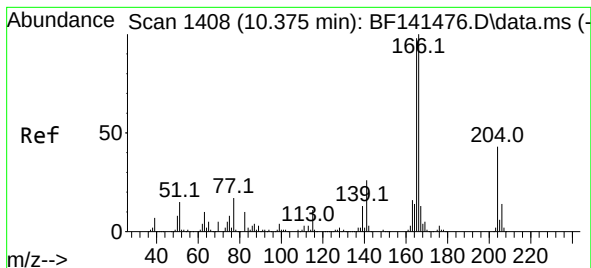
Tgt Ion:139 Resp: 187131
Ion Ratio Lower Upper
139 100
109 81.9 62.0 102.0
65 106.7 91.2 131.2



#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

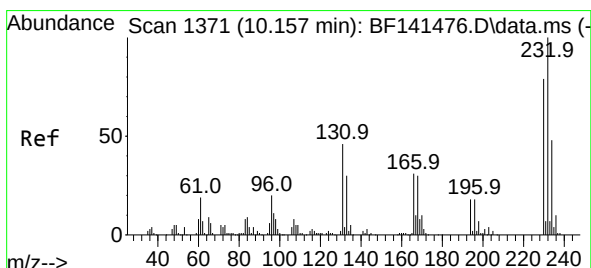
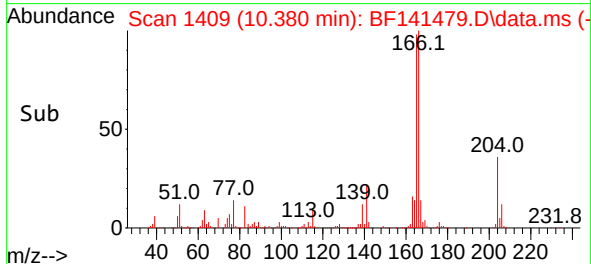
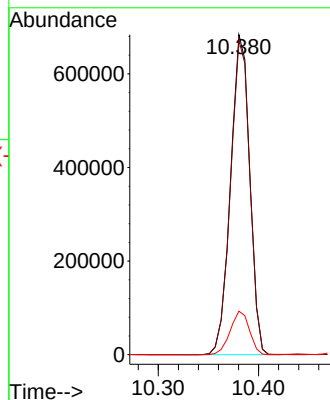
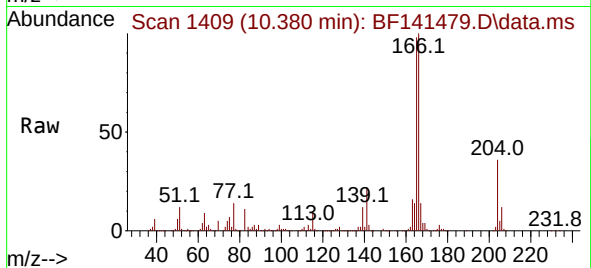
Tgt Ion:166 Resp: 909704

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

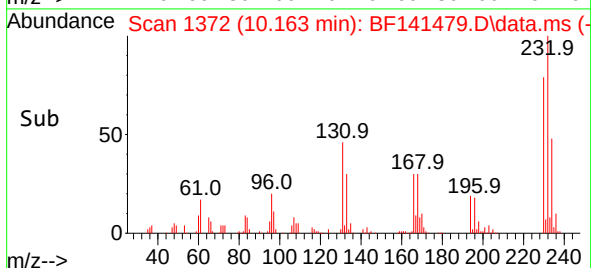
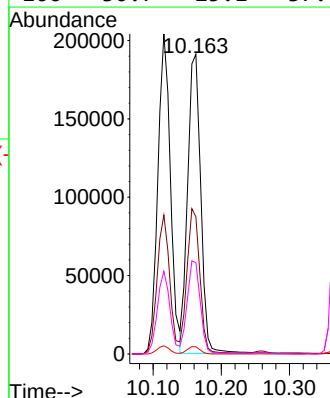
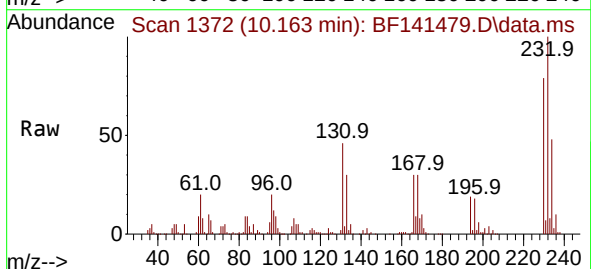
Ion Ratio Lower Upper

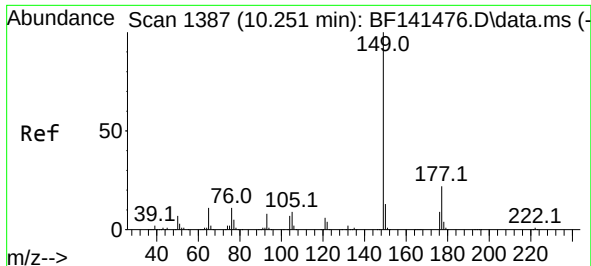
232 100

131 47.1 39.2 58.8

130 2.4 2.1 3.1

166 30.7 25.1 37.7

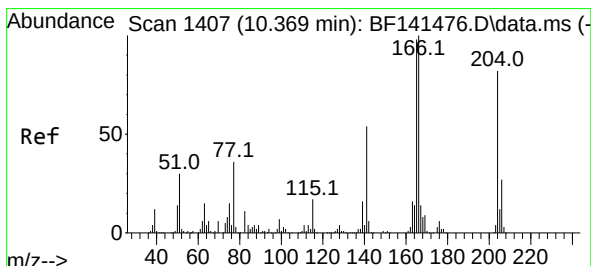
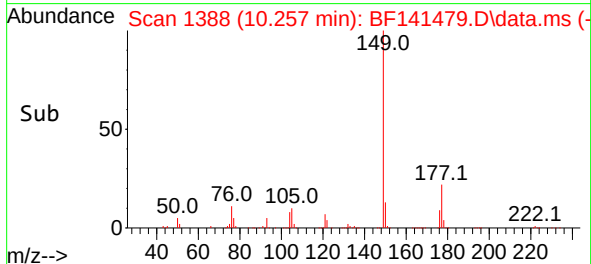
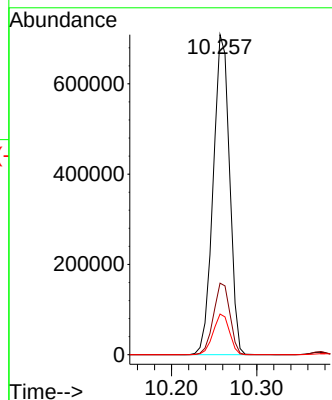
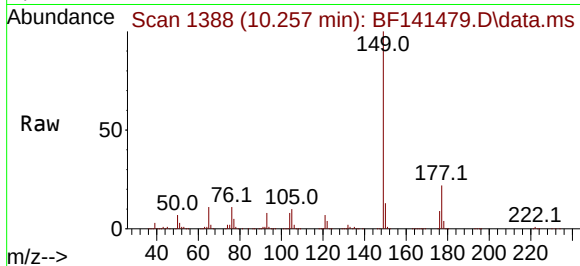




#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

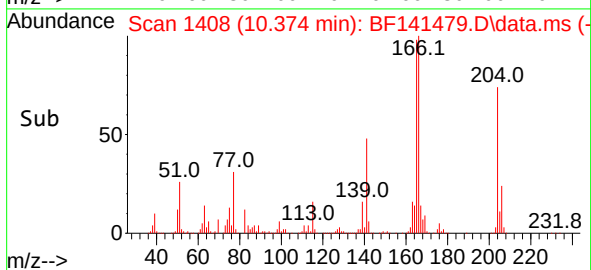
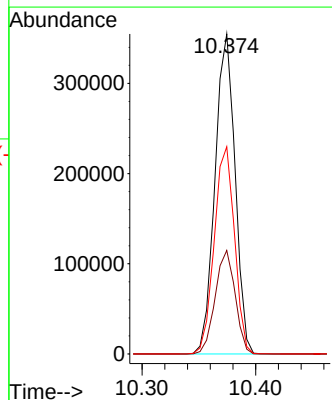
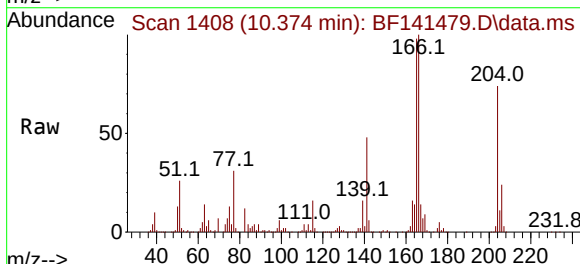
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

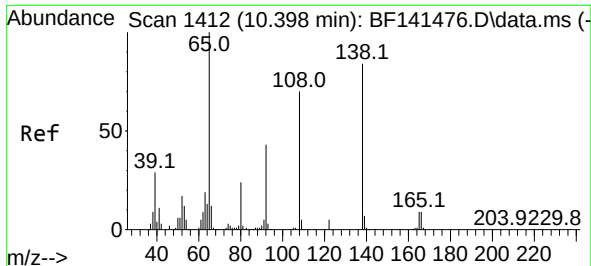
Tgt Ion:149 Resp: 945293
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.7 10.1 15.1



#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

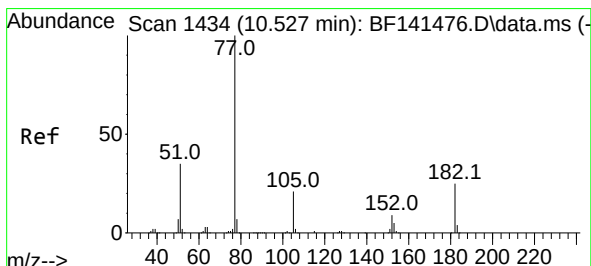
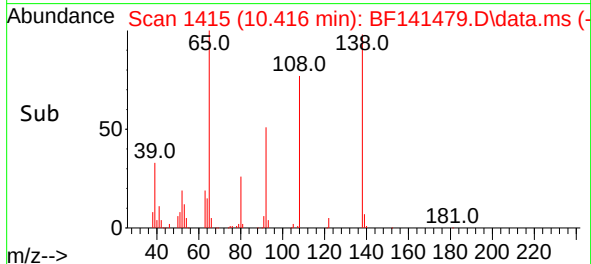
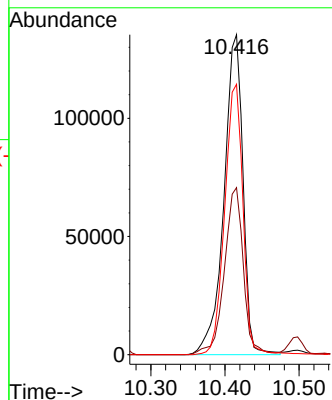
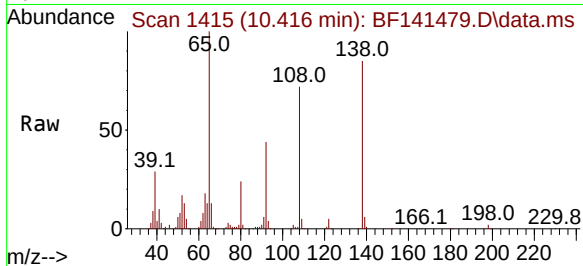




#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

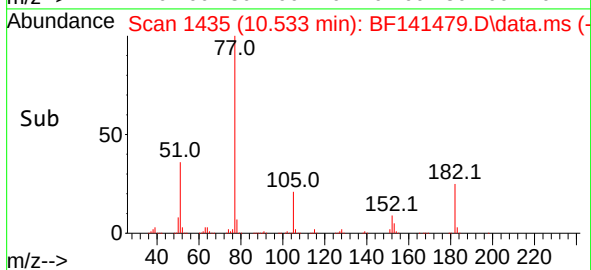
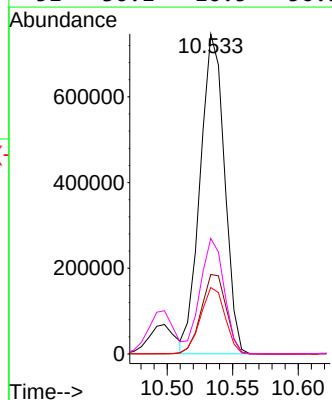
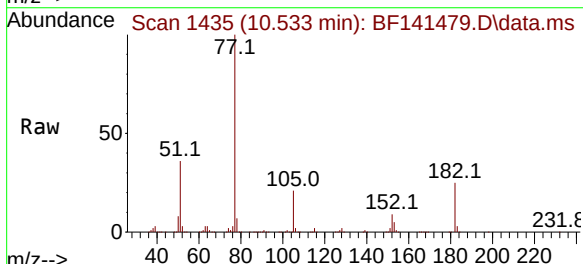
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

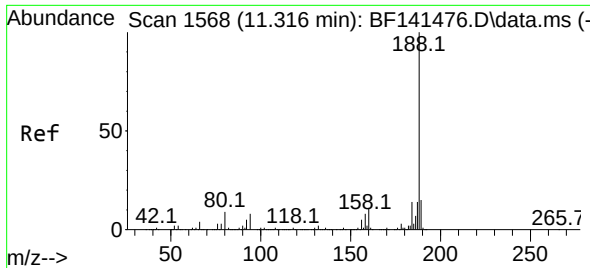
Tgt Ion:138 Resp: 241257
Ion Ratio Lower Upper
138 100
92 52.2 31.3 71.3
108 84.5 63.7 103.7



#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

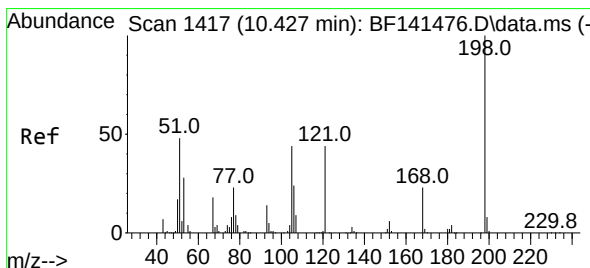
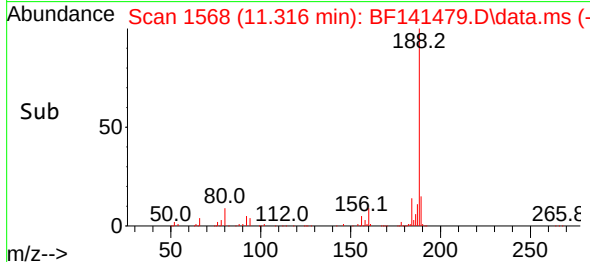
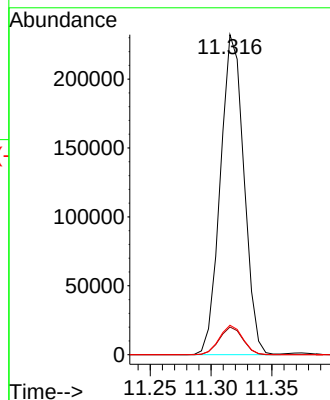
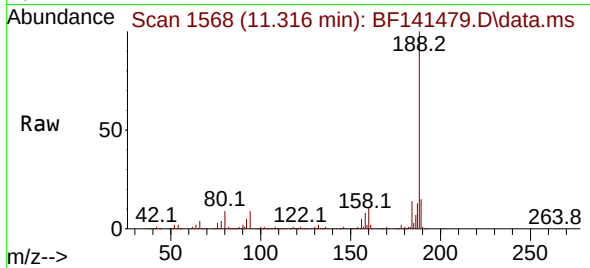




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

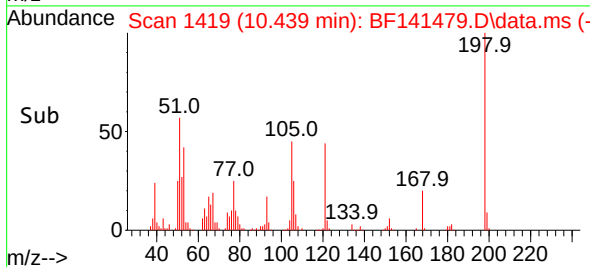
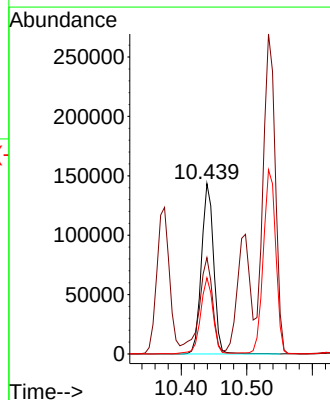
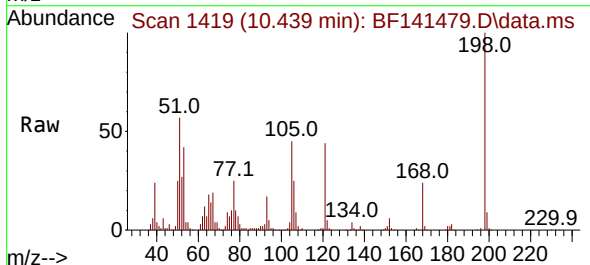
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

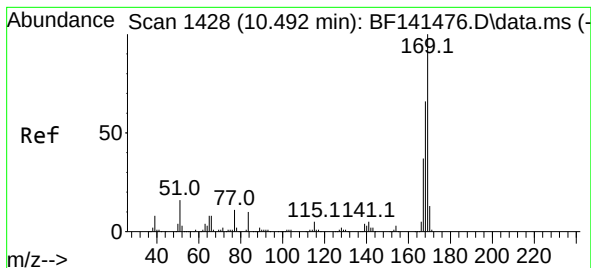
Tgt Ion:188 Resp: 312902
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.2 7.3 10.9



#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:198 Resp: 185427
Ion Ratio Lower Upper
198 100
51 56.6 37.4 77.4
105 44.7 25.2 65.2

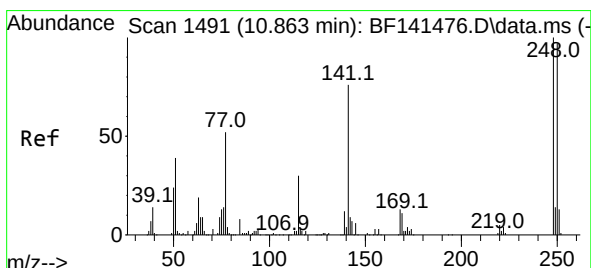
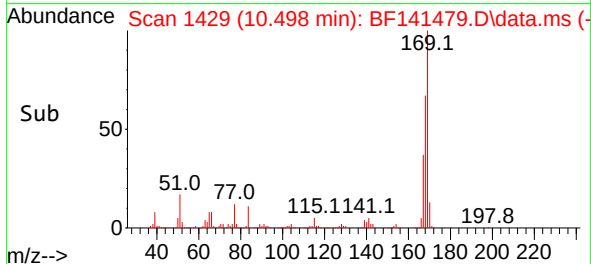
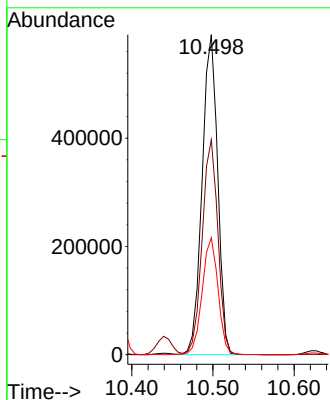
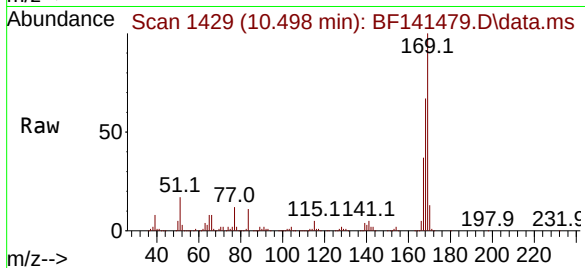




#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

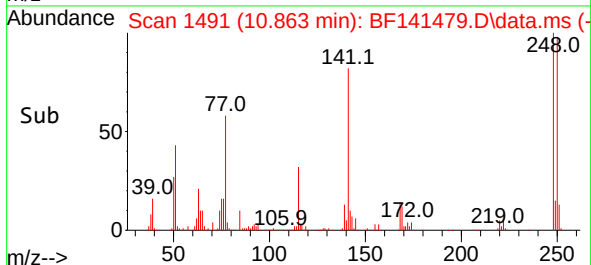
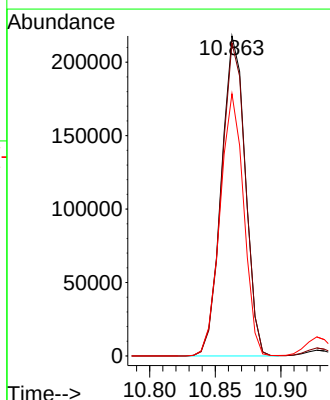
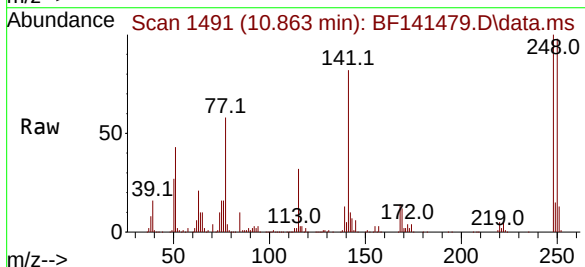
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

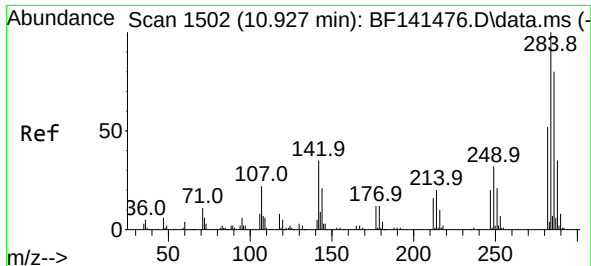
Tgt Ion:169 Resp: 785313
Ion Ratio Lower Upper
169 100
168 67.2 53.3 79.9
167 36.6 29.4 44.2



#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

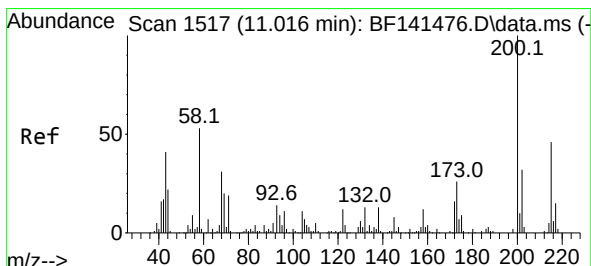
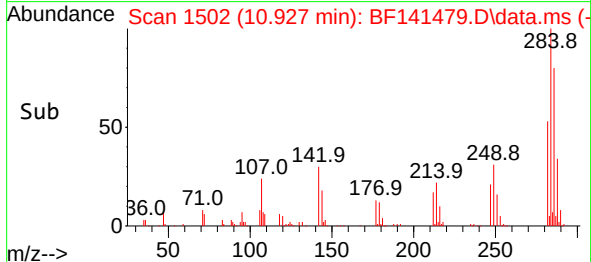
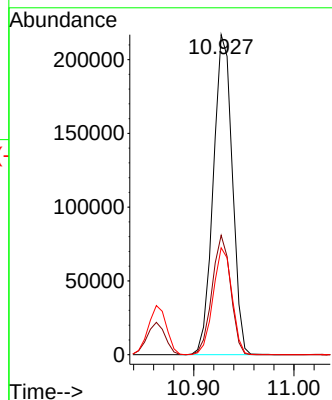
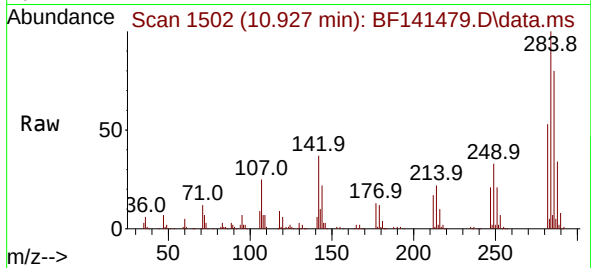




#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

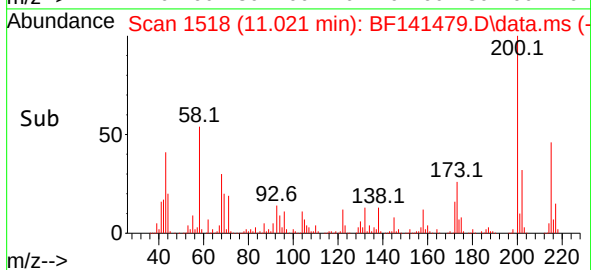
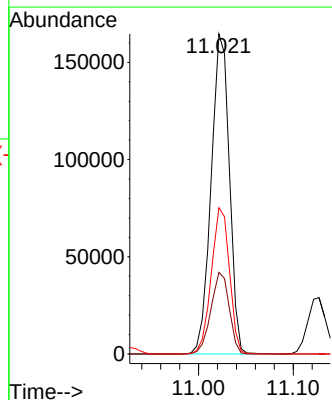
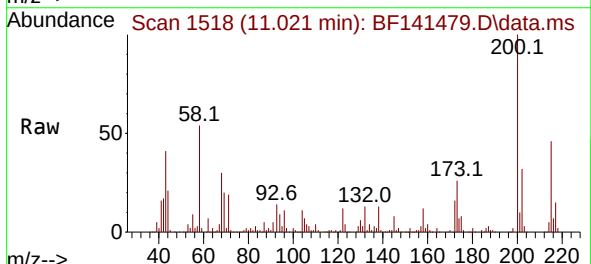
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

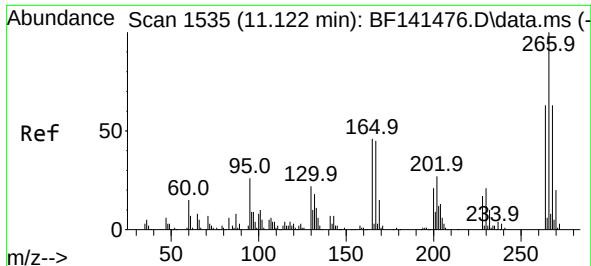
Tgt Ion:284 Resp: 285111
Ion Ratio Lower Upper
284 100
142 37.3 28.0 42.0
249 33.4 25.8 38.8



#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

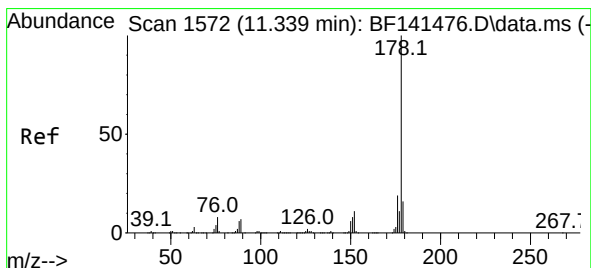
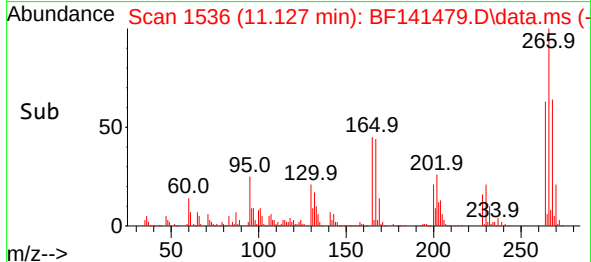
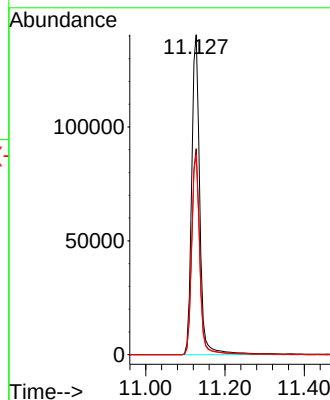
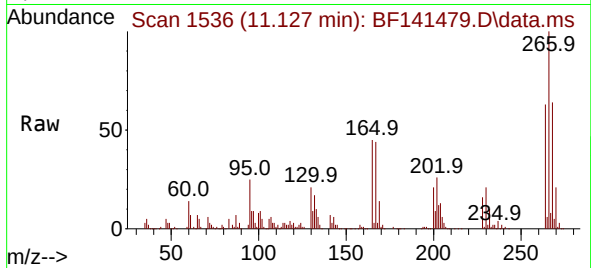




#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

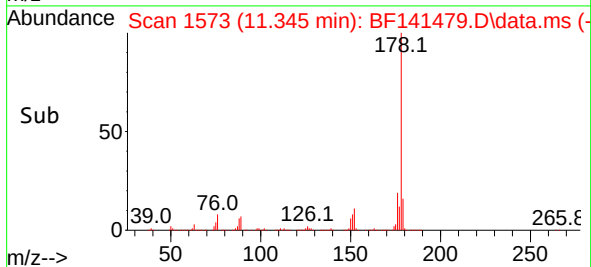
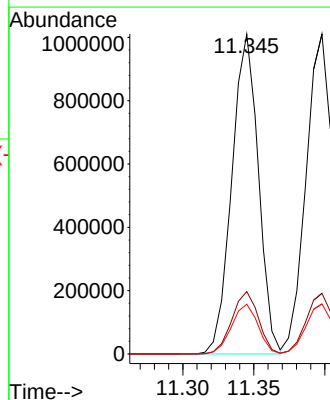
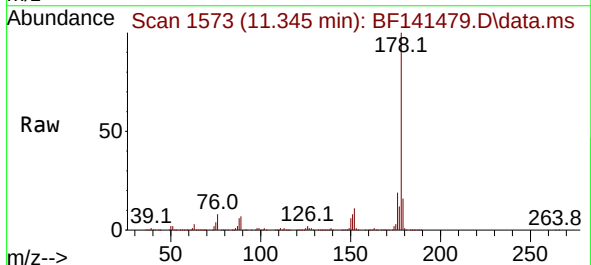
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

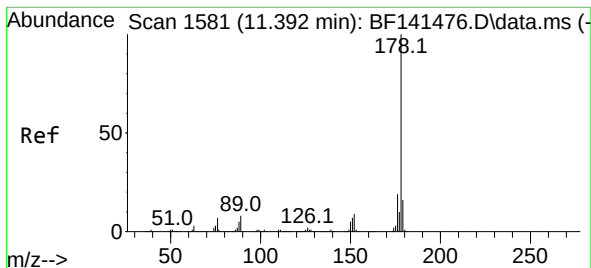
Tgt Ion:266 Resp: 200556
Ion Ratio Lower Upper
266 100
268 64.4 50.1 75.1
264 62.5 50.1 75.1



#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# 11

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

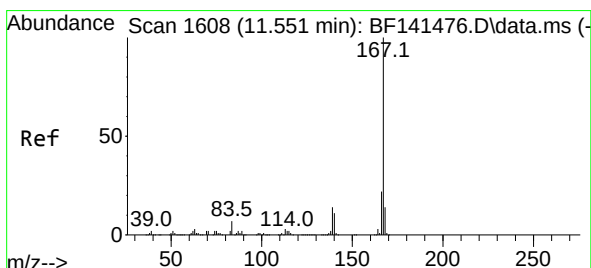
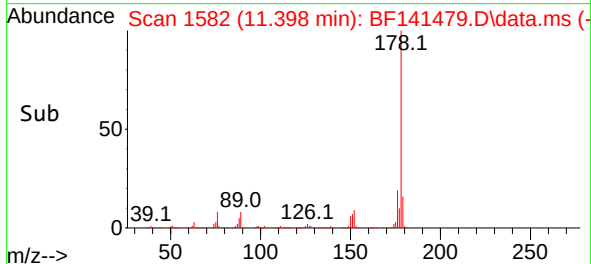
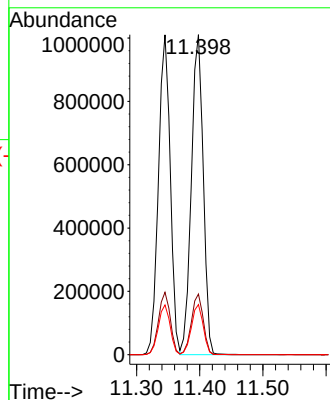
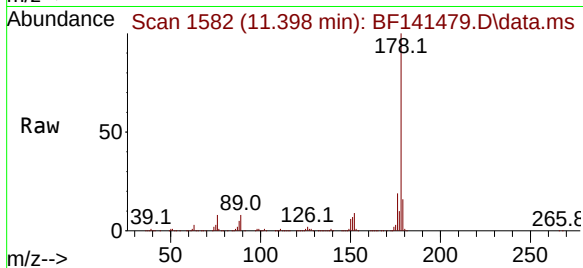
Tgt Ion:178 Resp: 1322462

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

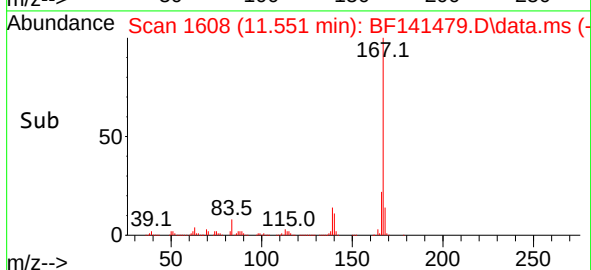
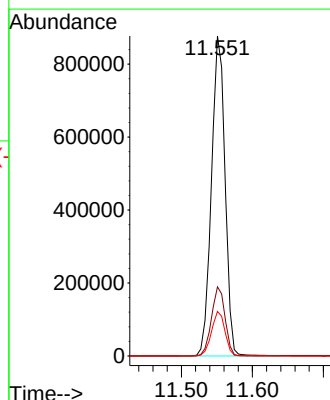
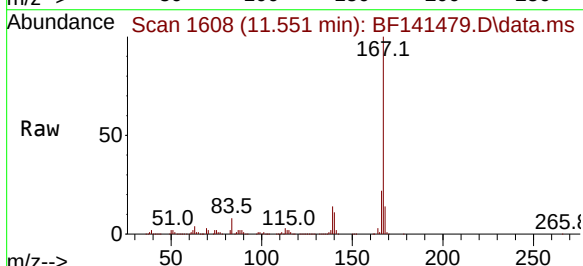
Tgt Ion:167 Resp: 1168253

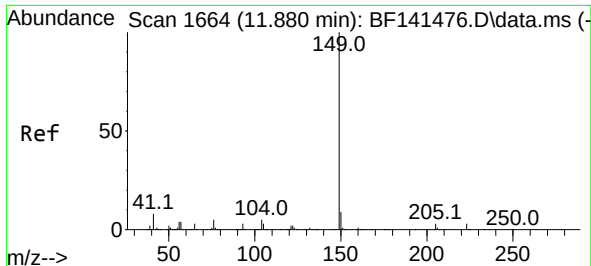
Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.2

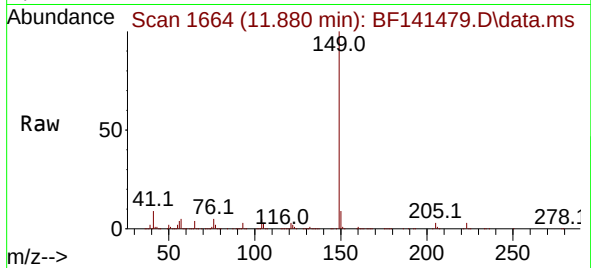
139 13.9 10.9 16.3



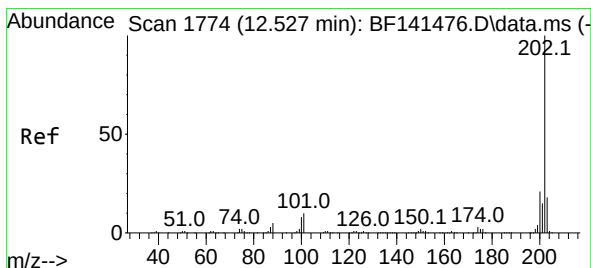
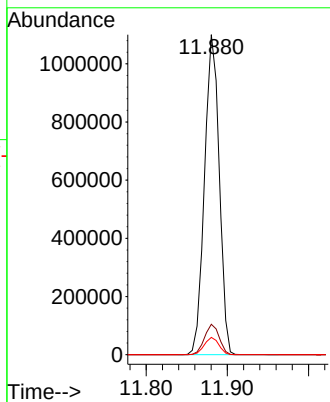
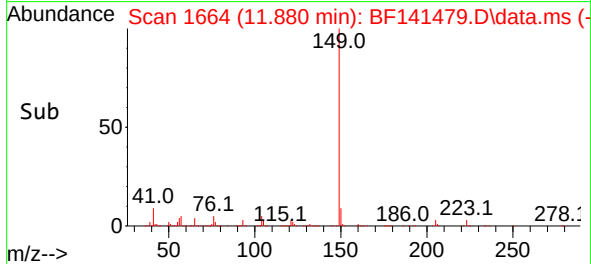


#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

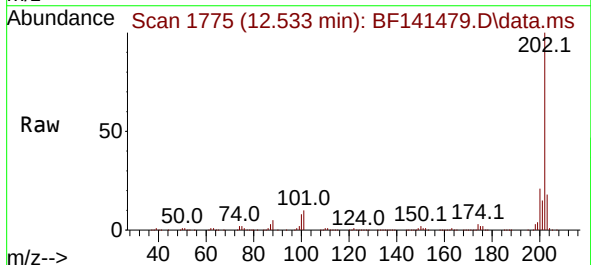
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



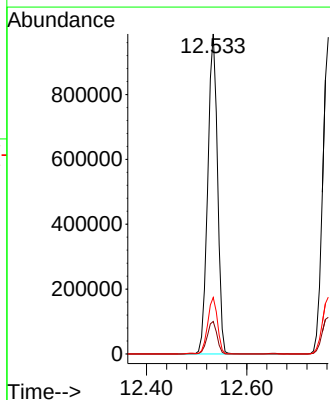
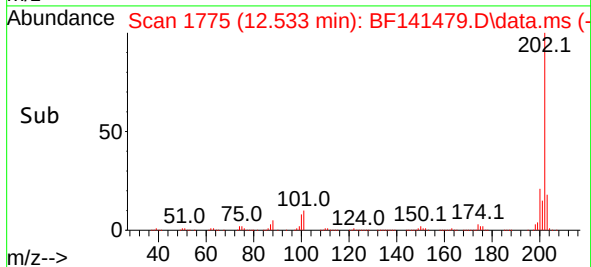
Tgt Ion:149 Resp: 1382706
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.4 4.2 6.2

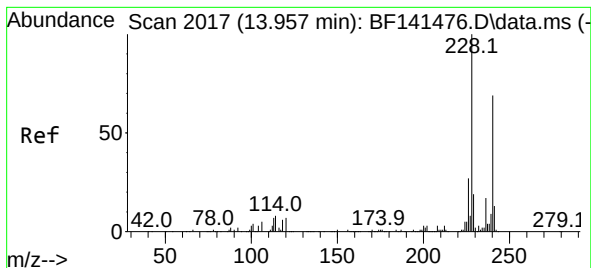


#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14



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

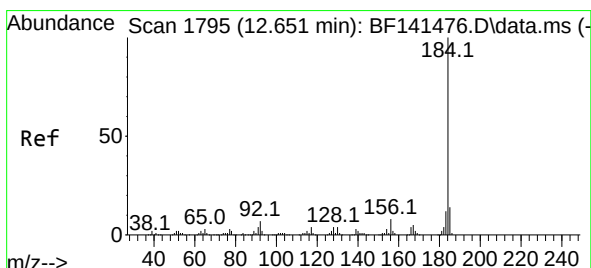
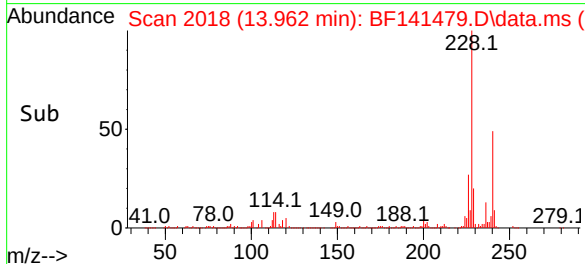
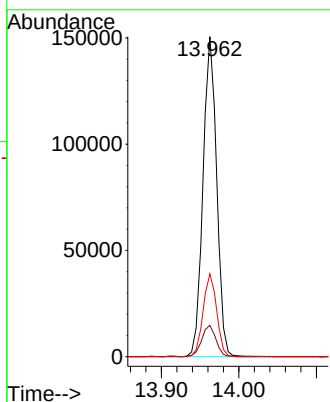
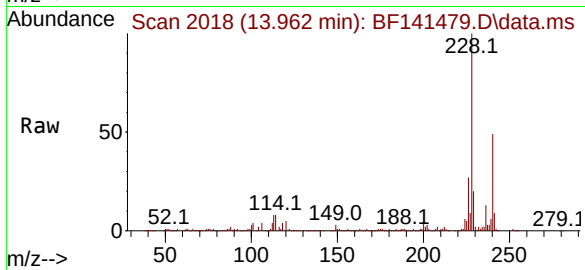
Tgt Ion:240 Resp: 184347

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

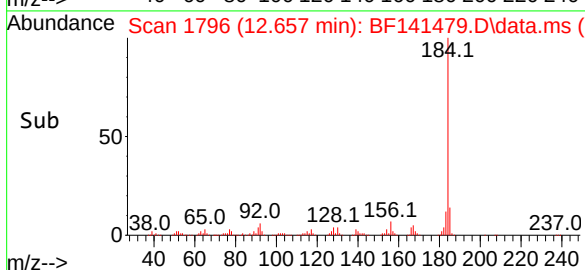
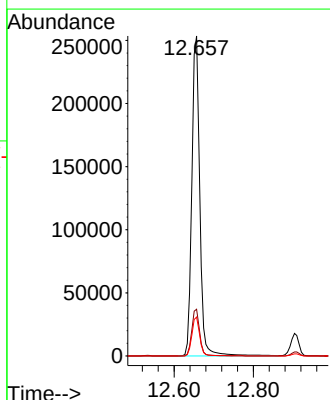
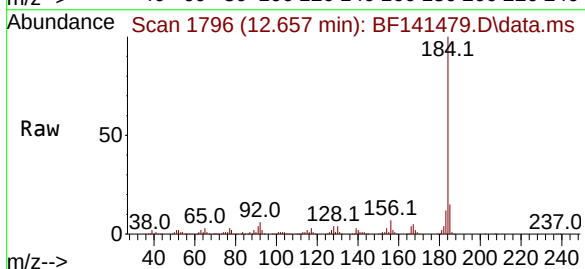
Tgt Ion:184 Resp: 354555

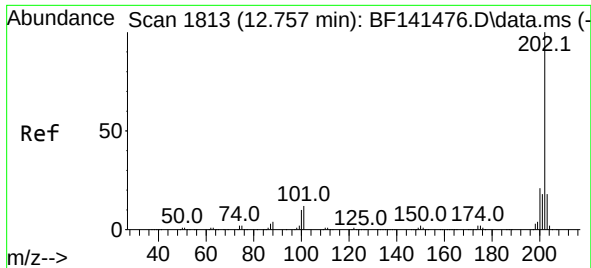
Ion Ratio Lower Upper

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

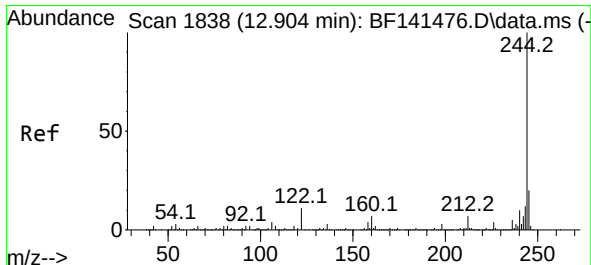
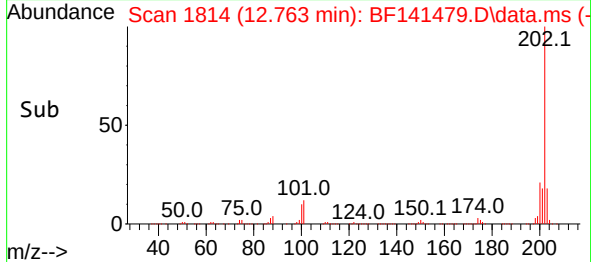
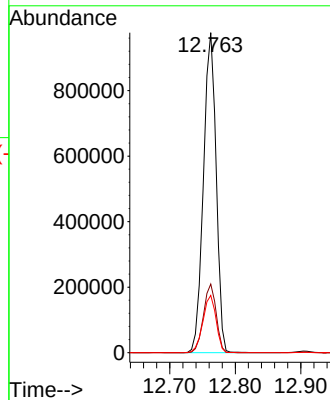
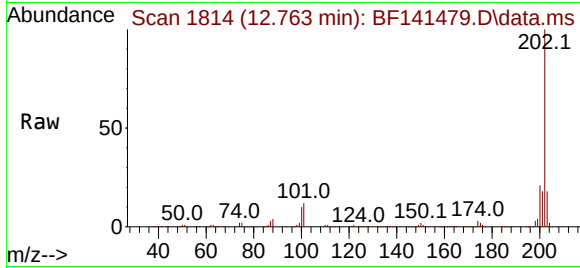
Tgt Ion:202 Resp: 1319554

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

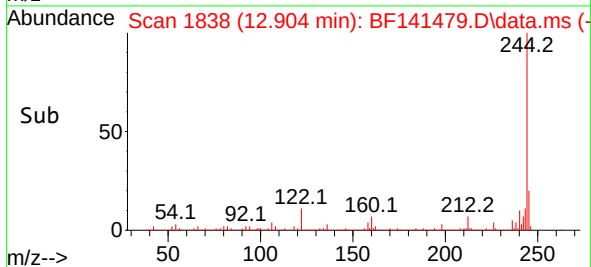
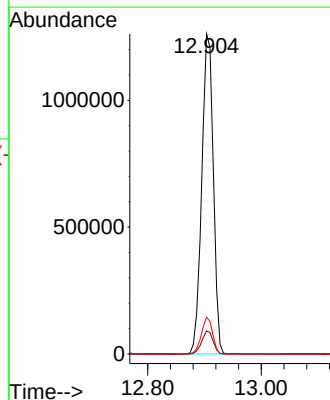
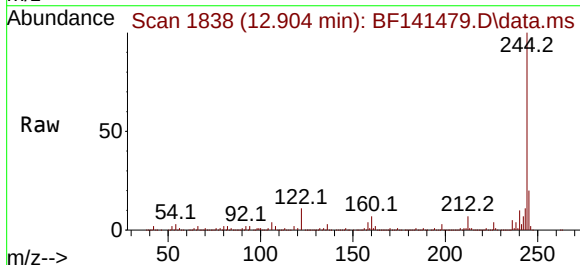
Tgt Ion:244 Resp: 1781602

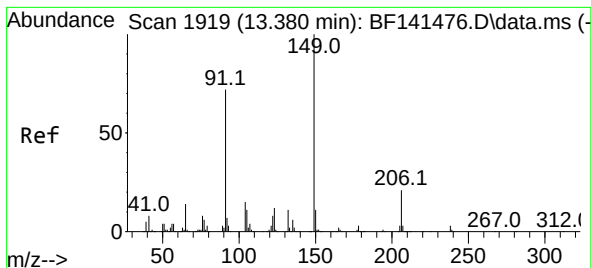
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.5 8.4 12.6

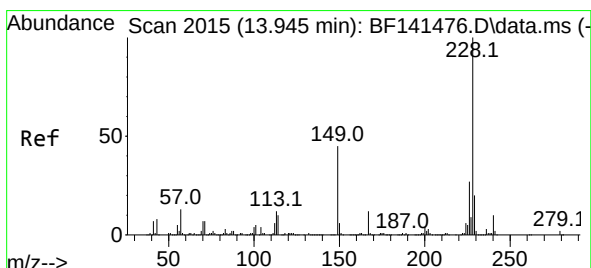
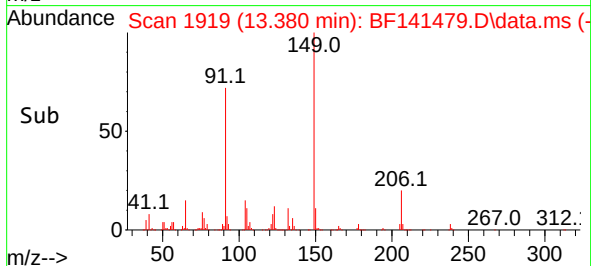
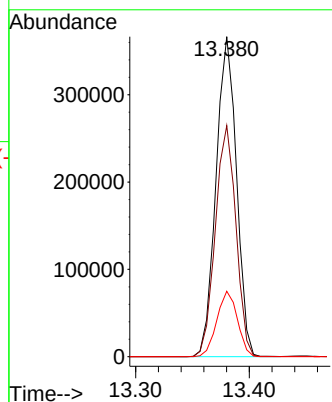
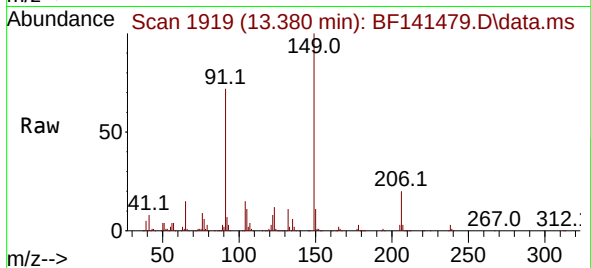




#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

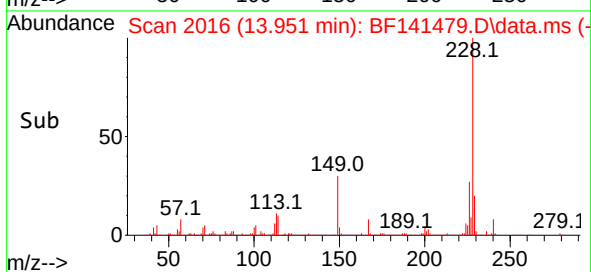
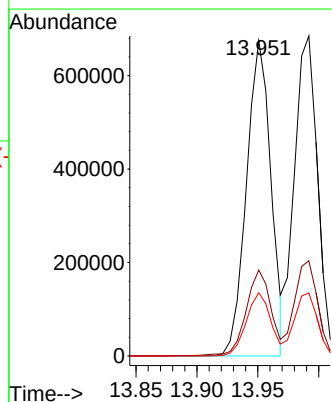
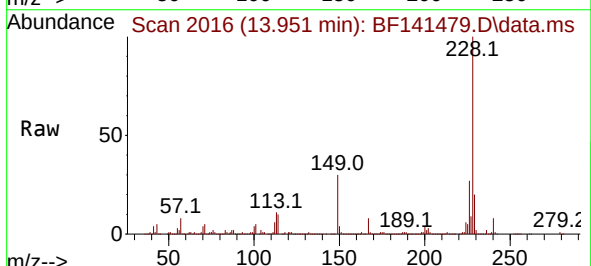
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

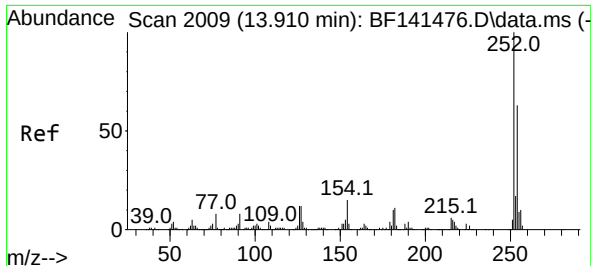
Tgt Ion:149 Resp: 459803
Ion Ratio Lower Upper
149 100
91 72.2 57.8 86.8
206 20.4 16.7 25.1



#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:228 Resp: 943291
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 20.0 15.8 23.6

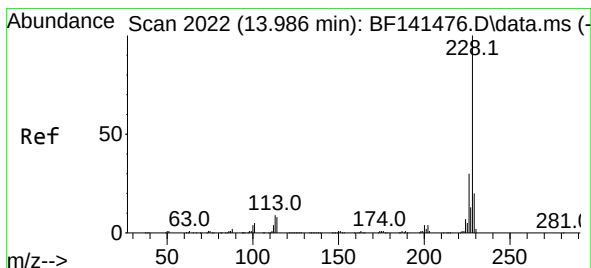
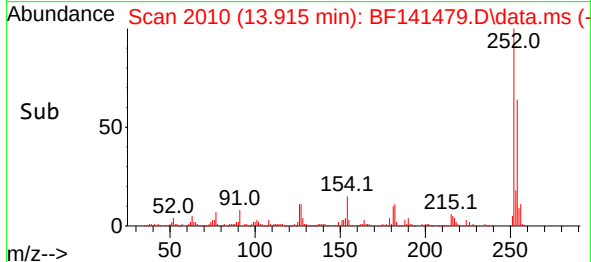
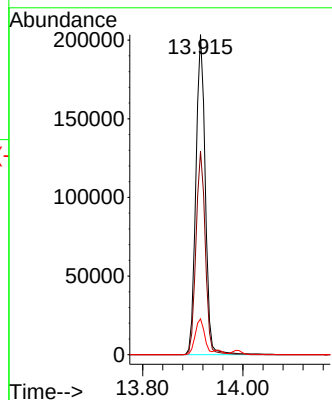
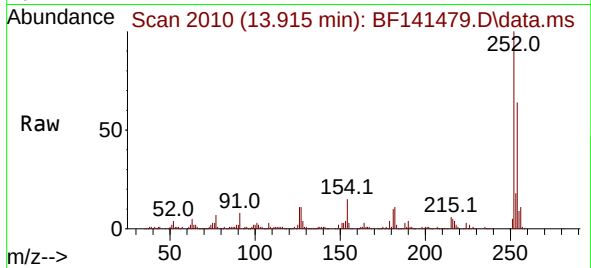




#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

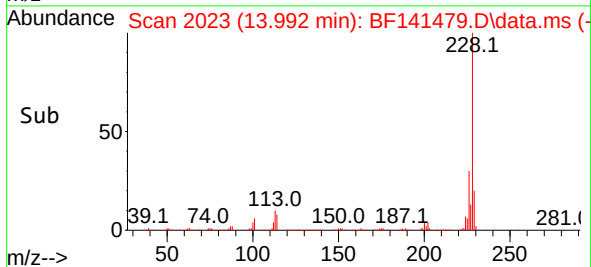
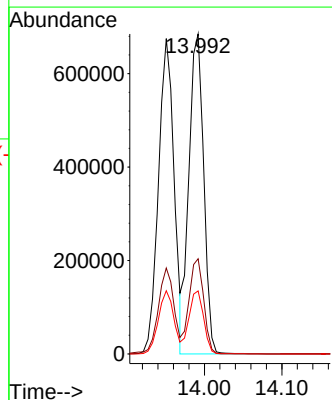
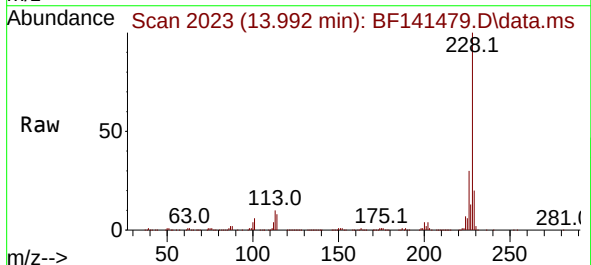
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

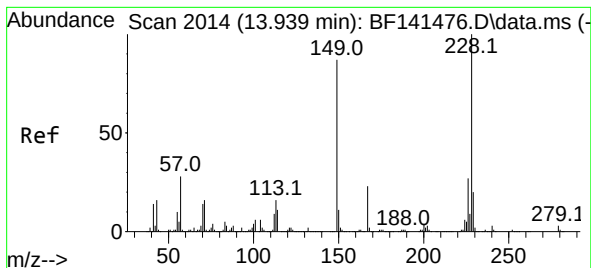
Tgt Ion:252 Resp: 263773
Ion Ratio Lower Upper
252 100
254 63.6 50.6 76.0
126 11.2 9.3 13.9



#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

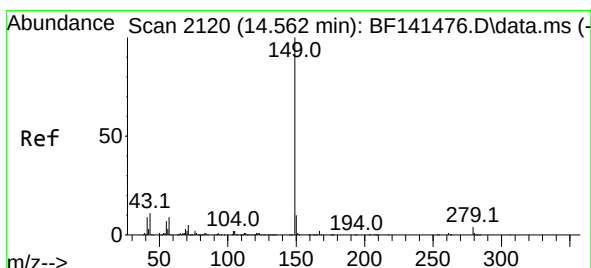
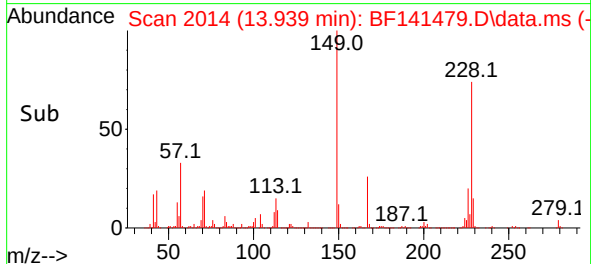
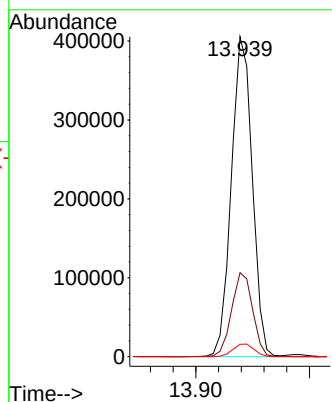
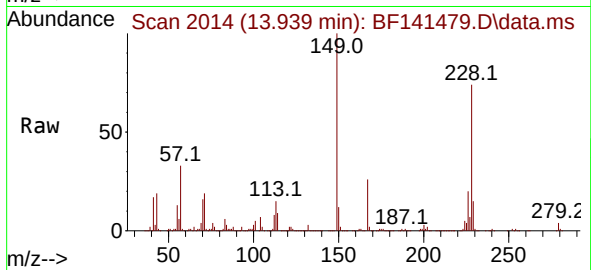




#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

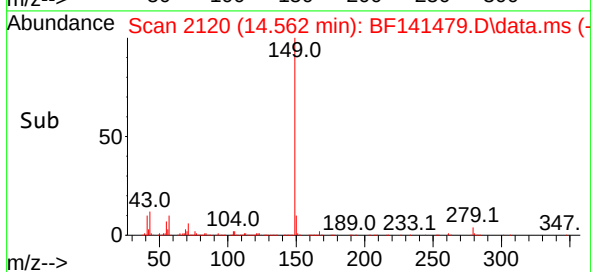
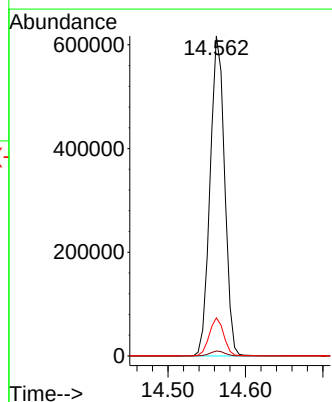
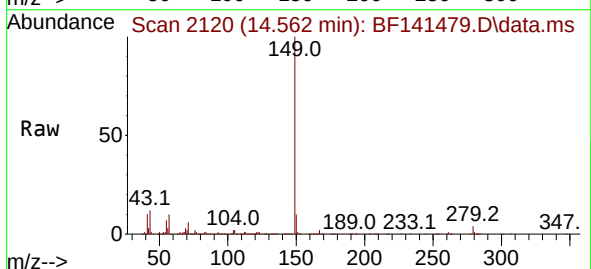
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

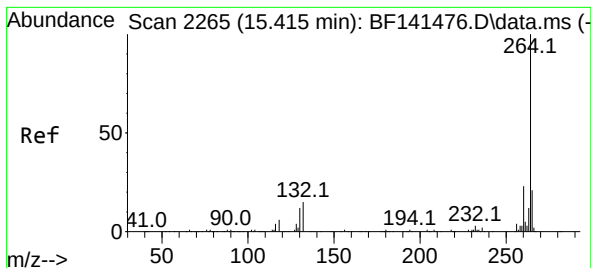
Tgt Ion:149 Resp: 517884
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 3.9 3.1 4.7



#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

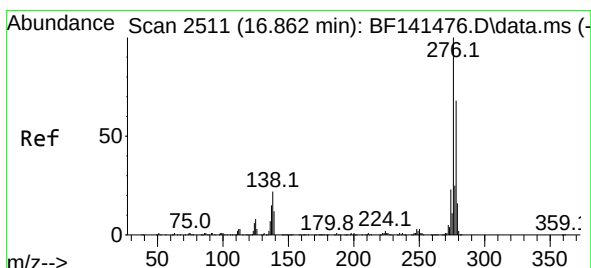
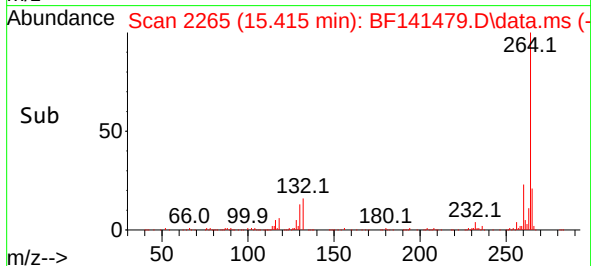
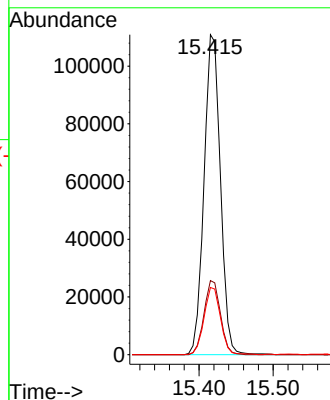
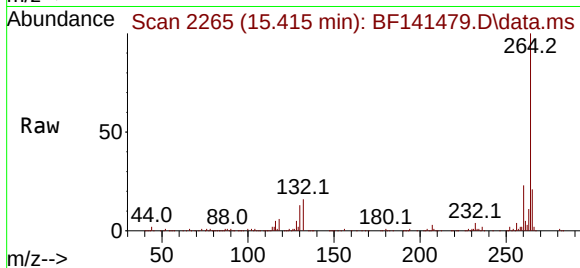
Tgt Ion:264 Resp: 170605

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

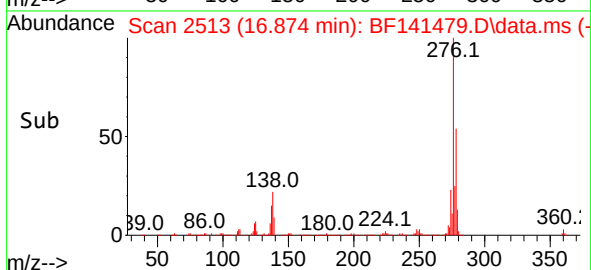
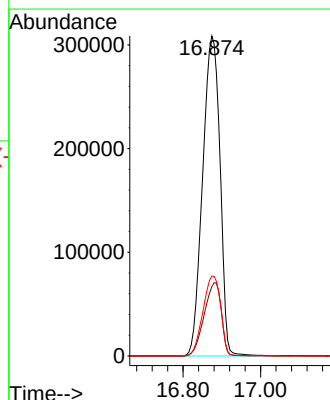
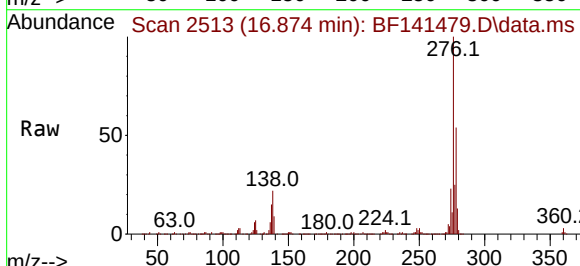
Tgt Ion:276 Resp: 961023

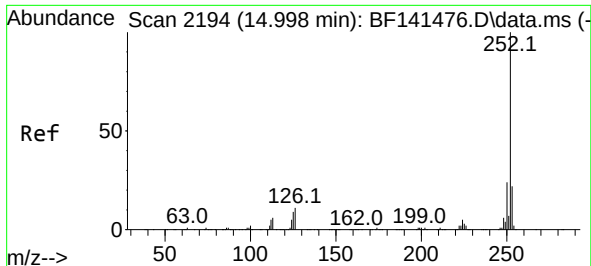
Ion Ratio Lower Upper

276 100

138 22.7 18.0 27.0

277 25.4 20.4 30.6

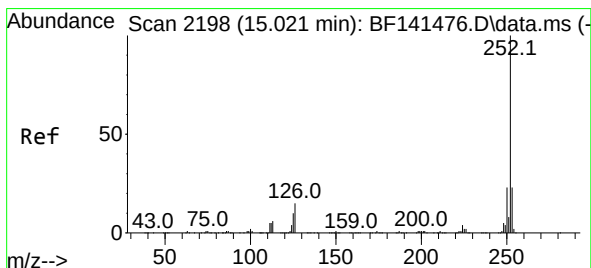
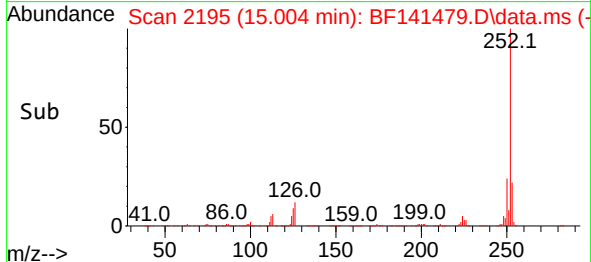
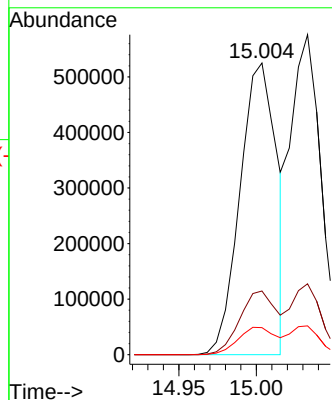
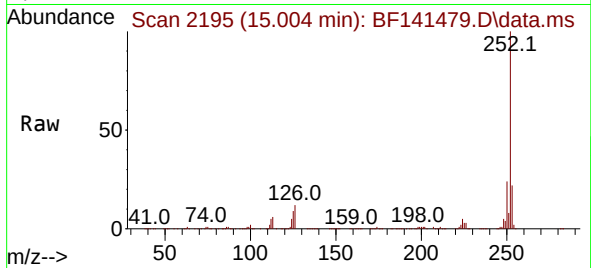




#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

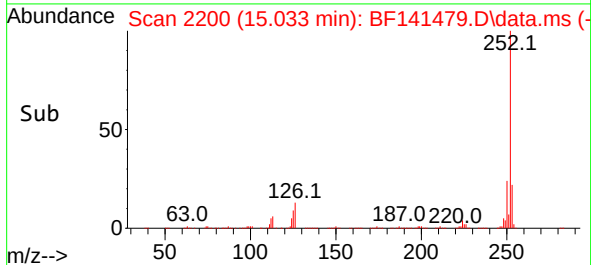
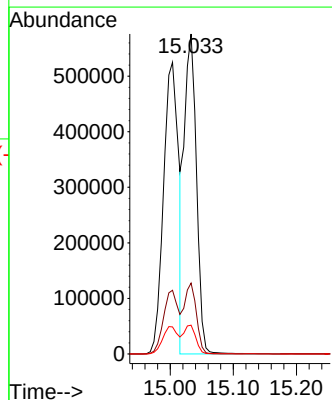
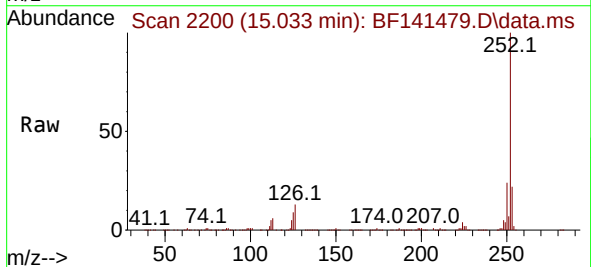
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

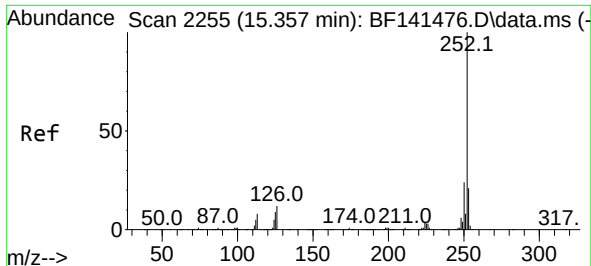
Tgt Ion:252 Resp: 865205
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.3 7.0 10.6



#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

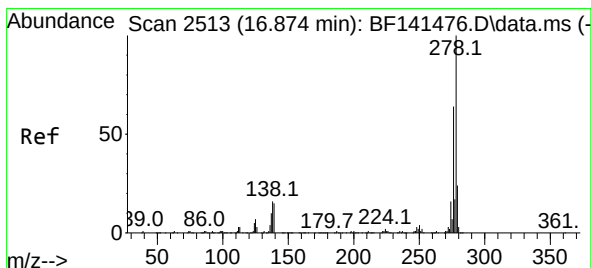
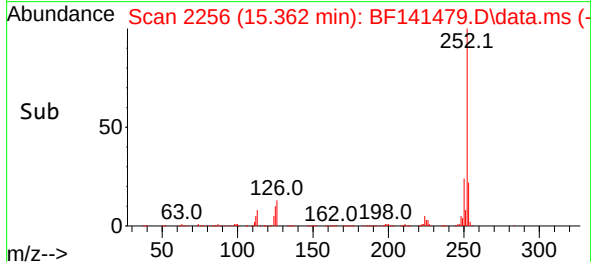
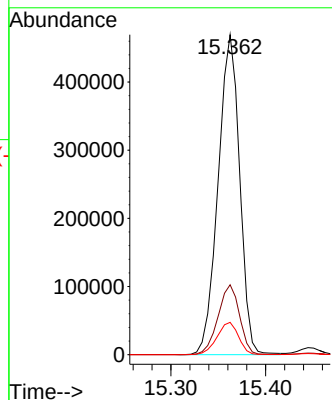
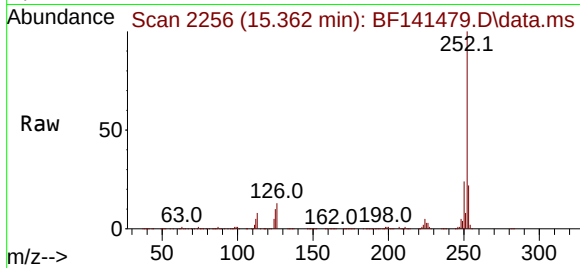




#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

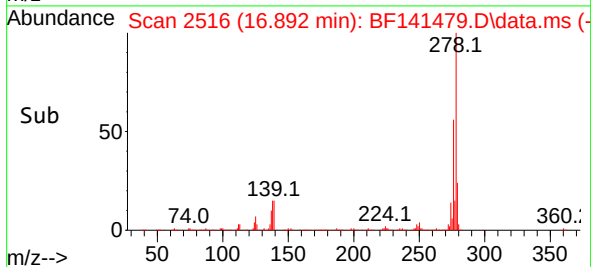
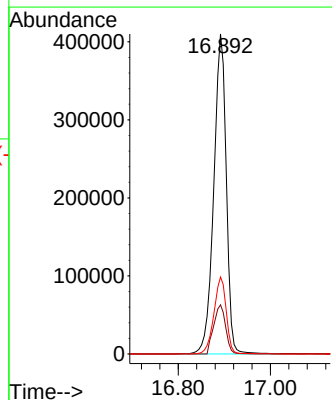
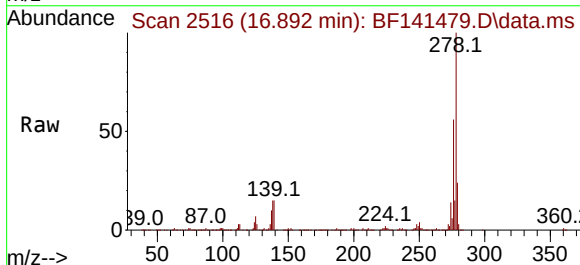
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

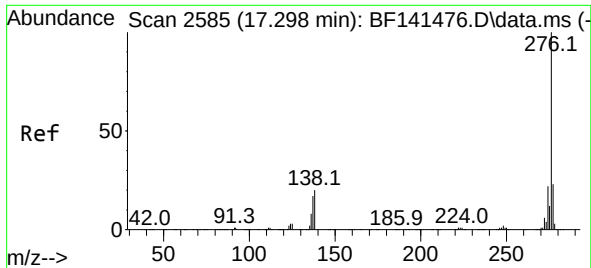
Tgt Ion:252 Resp: 742932
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.1 7.4 11.2



#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

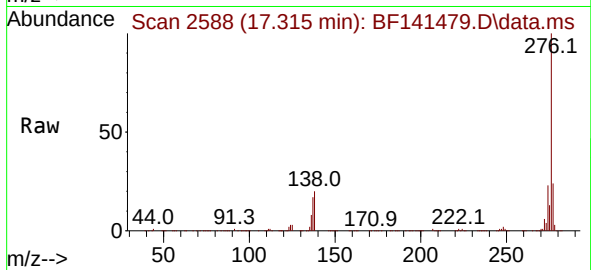
Tgt Ion:278 Resp: 773684
Ion Ratio Lower Upper
278 100
139 15.3 11.8 17.6
279 24.1 19.1 28.7



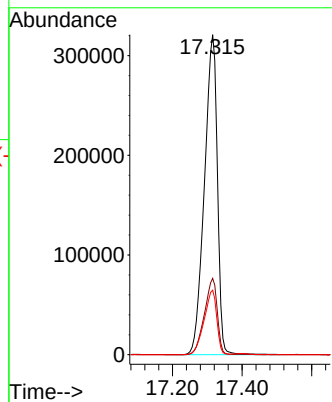
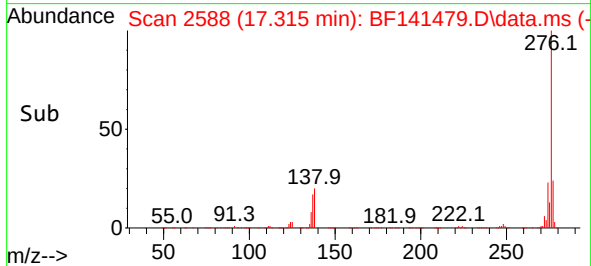


#92
 Benzo(g,h,i)perylene
 Concen: 93.015 ng
 RT: 17.315 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF141479.D
 Acq: 06 Feb 2025 14:14

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

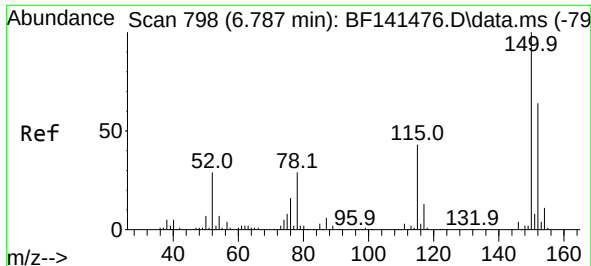
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 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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)
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

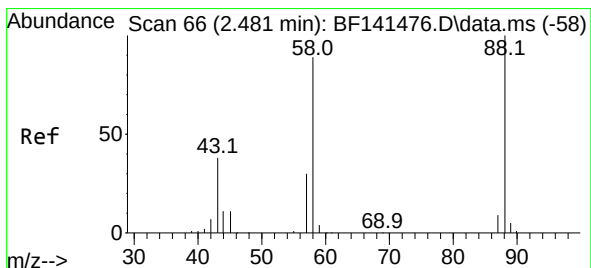
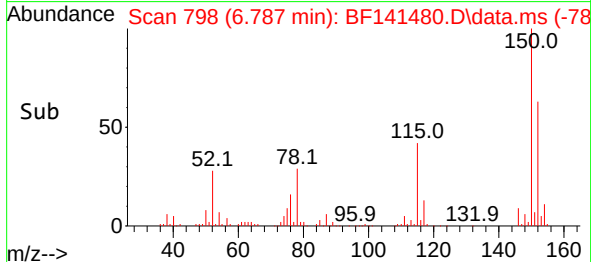
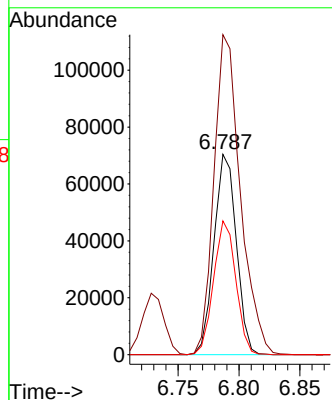
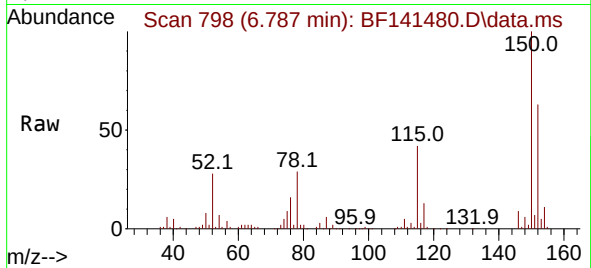
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

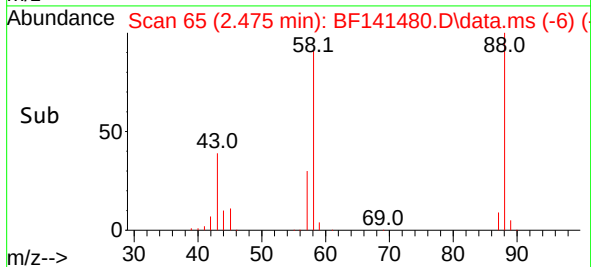
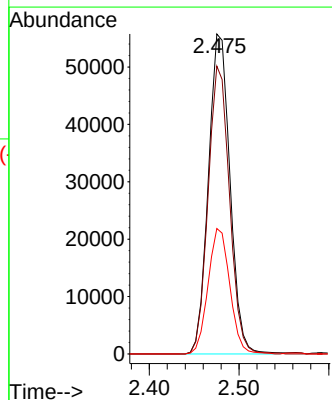
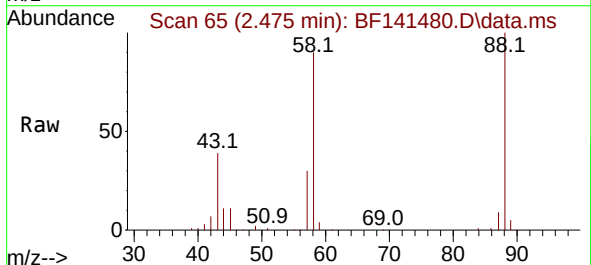
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

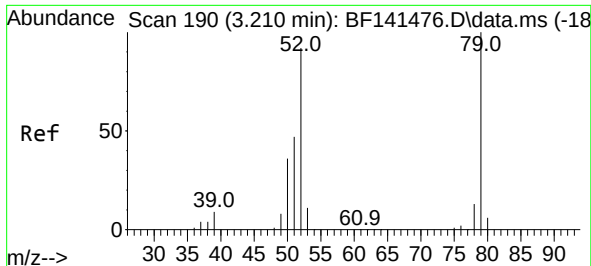
Tgt Ion:152 Resp: 90009
Ion Ratio Lower Upper
152 100
150 159.7 125.0 187.4
115 66.8 53.6 80.4



#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

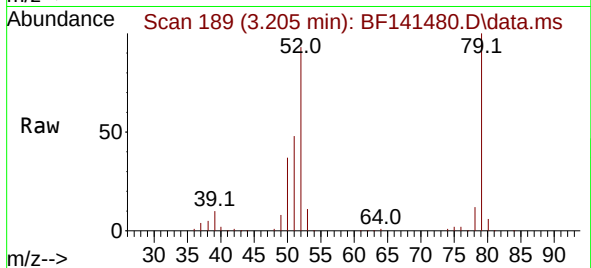
Tgt Ion: 88 Resp: 93282
Ion Ratio Lower Upper
88 100
58 89.1 71.1 106.7
43 39.4 30.6 46.0





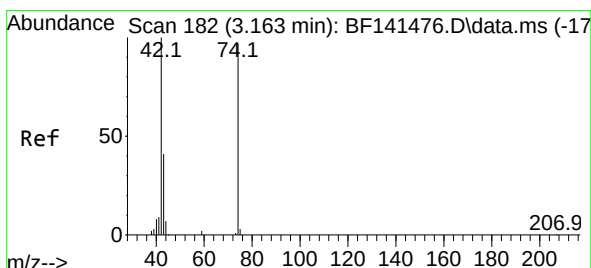
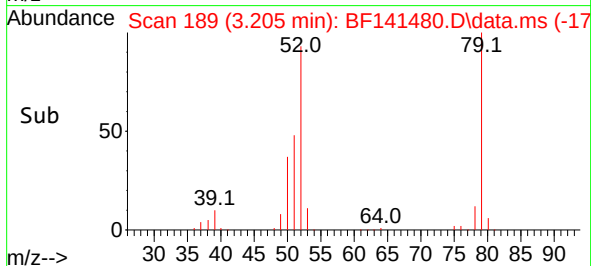
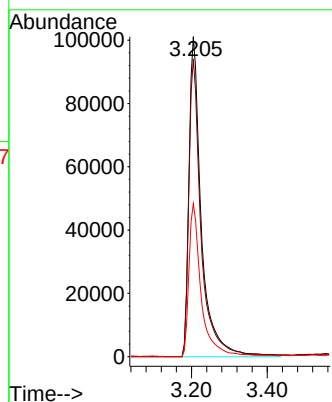
#3
 Pyridine
 Concen: 41.938 ng
 RT: 3.205 min Scan# 189
 Delta R.T. -0.011 min
 Lab File: BF141480.D
 Acq: 06 Feb 2025 15:03

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF020625



Tgt Ion: 79 Resp: 230604

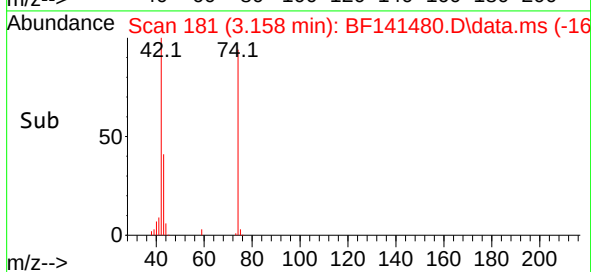
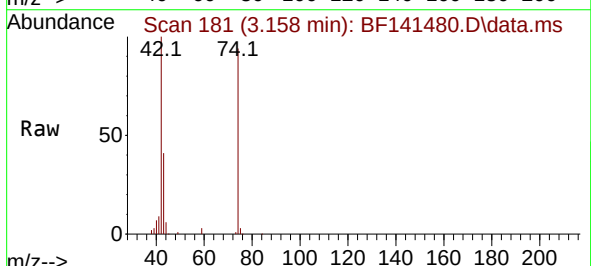
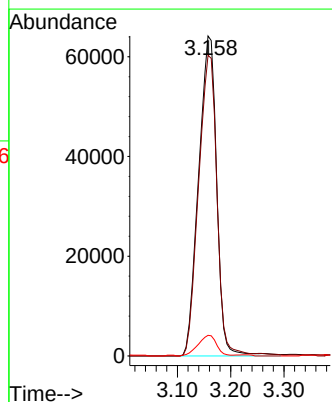
Ion	Ratio	Lower	Upper
79	100		
52	93.1	73.7	110.5
51	47.8	37.5	56.3

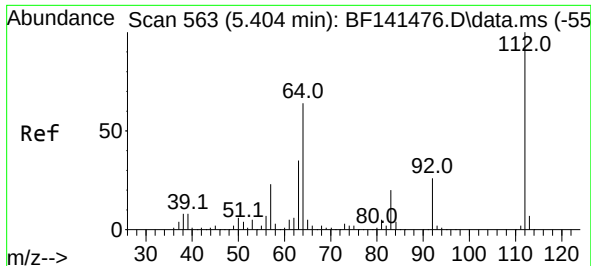


#4
 n-Nitrosodimethylamine
 Concen: 41.653 ng
 RT: 3.158 min Scan# 181
 Delta R.T. -0.029 min
 Lab File: BF141480.D
 Acq: 06 Feb 2025 15:03

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

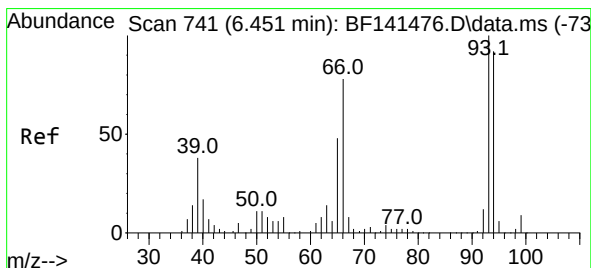
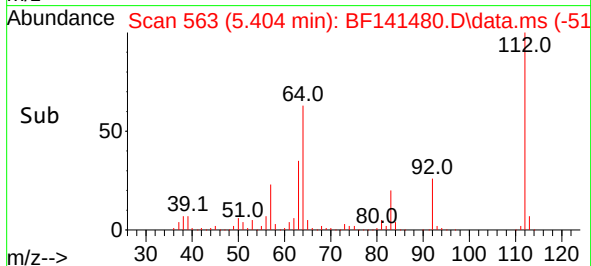
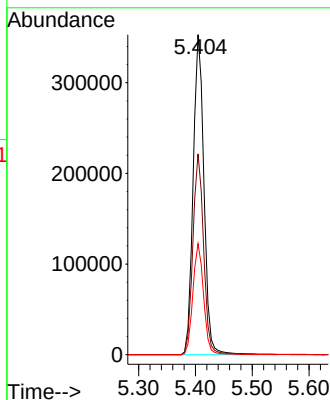
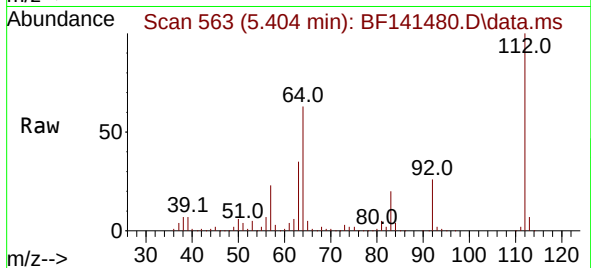




#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

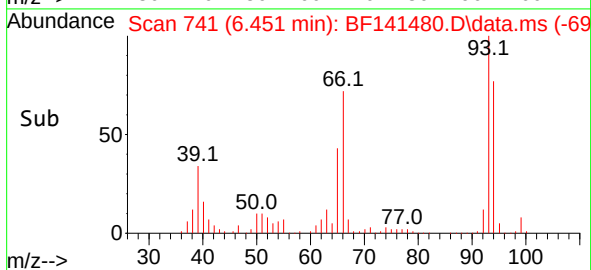
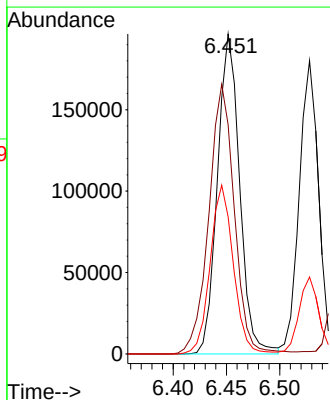
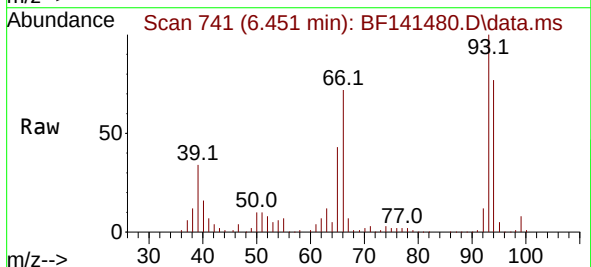
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

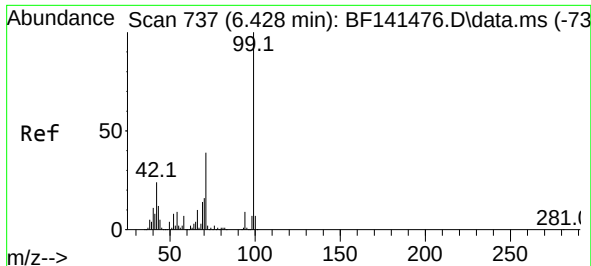
Tgt Ion:112 Resp: 470176
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.7 28.4 42.6



#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

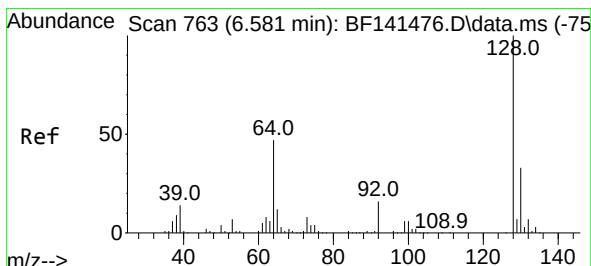
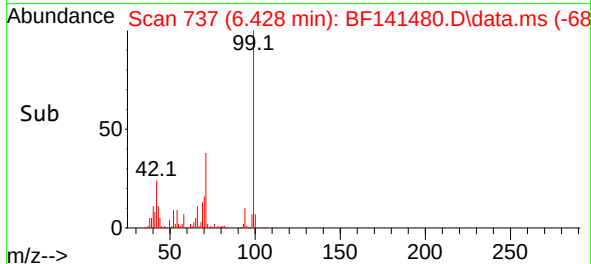
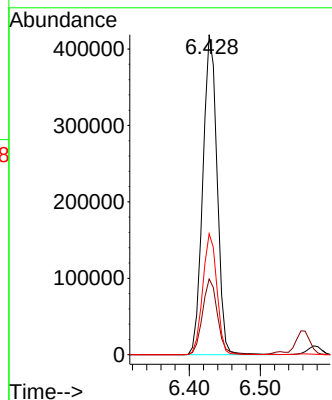
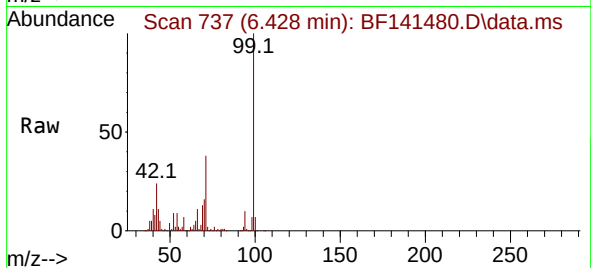




#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

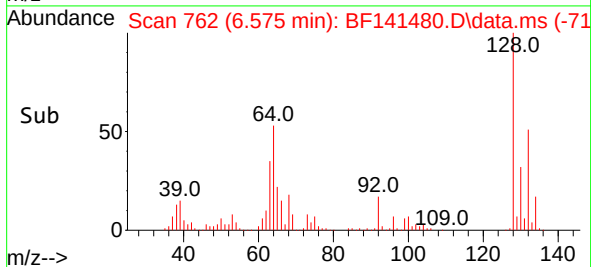
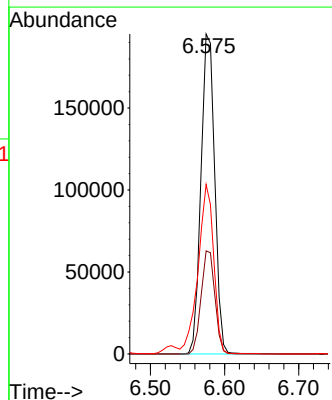
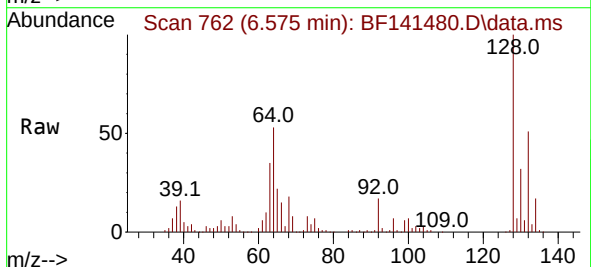
Instrument :
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ClientSampleId :
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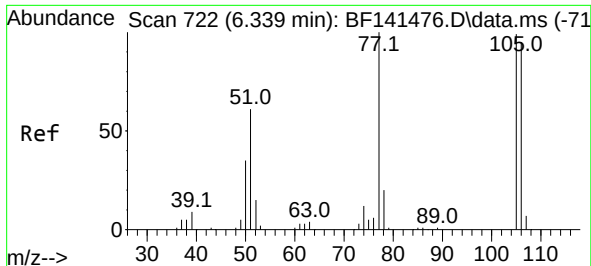
Tgt Ion: 99 Resp: 586892
Ion Ratio Lower Upper
99 100
42 23.7 19.1 28.7
71 37.8 31.1 46.7



#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

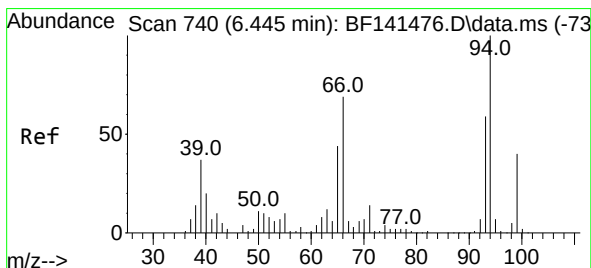
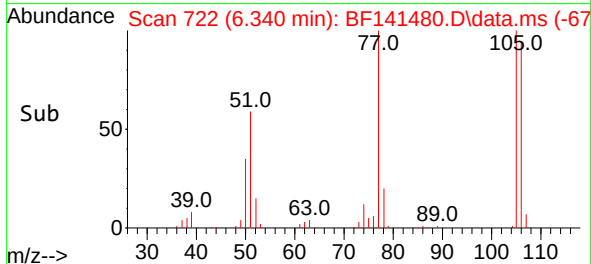
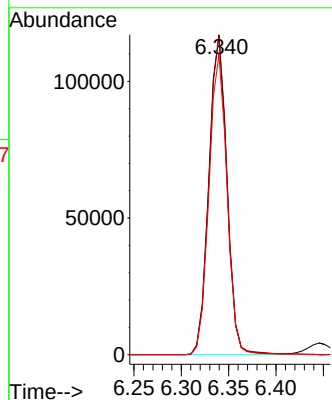
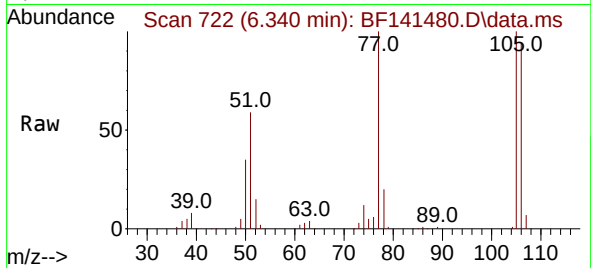




#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

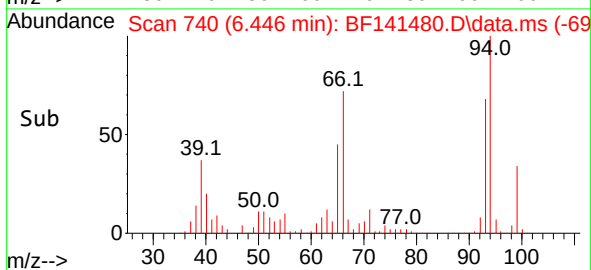
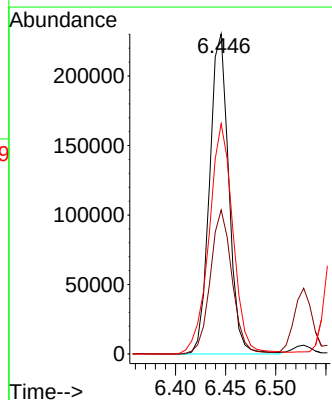
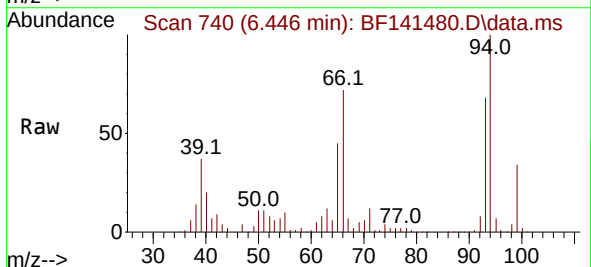
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

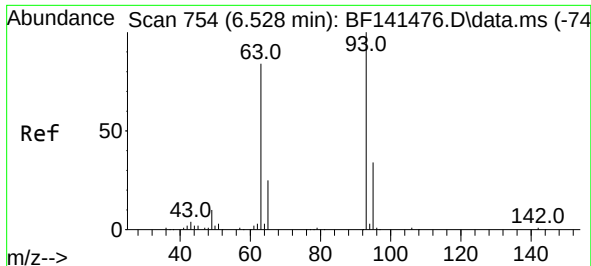
Tgt Ion: 77 Resp: 154649
Ion Ratio Lower Upper
77 100
105 100.4 79.4 119.4
106 94.1 75.1 115.1



#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



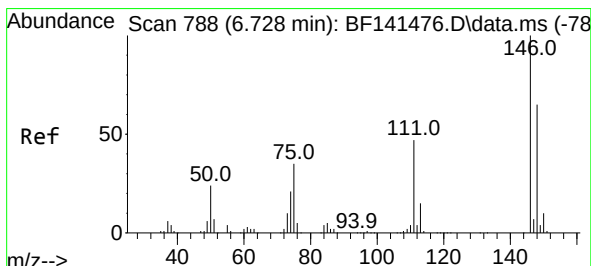
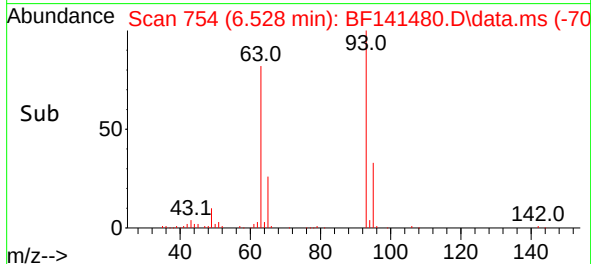
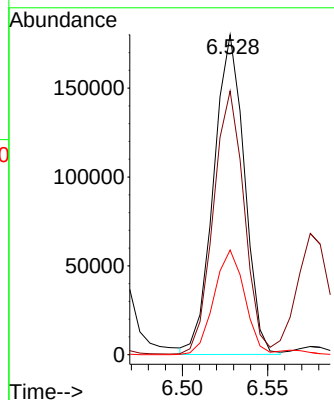
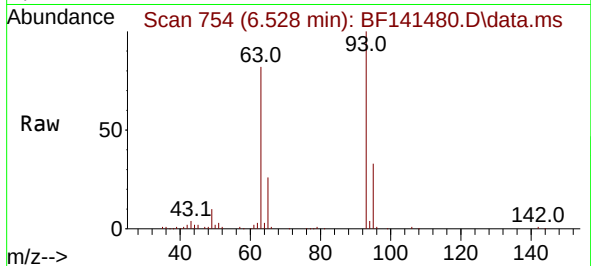


#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 93 Resp: 226152

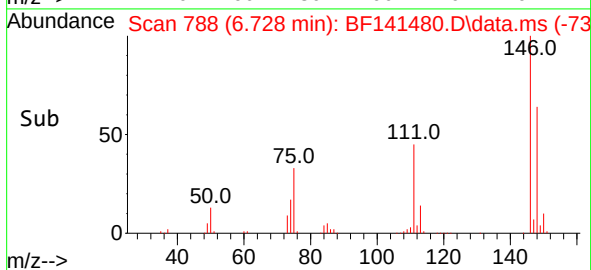
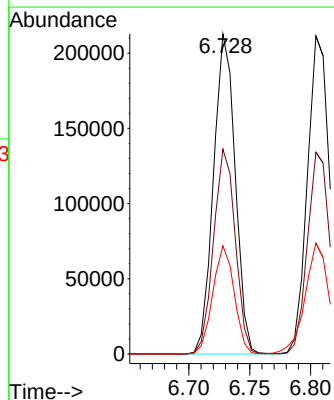
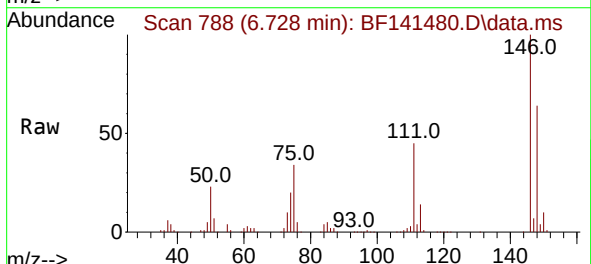
Ion	Ratio	Lower	Upper
93	100		
63	82.4	62.0	102.0
95	32.7	12.6	52.6

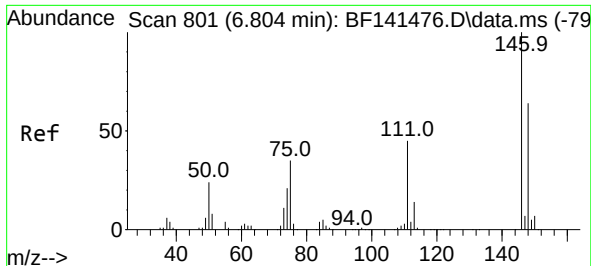


#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

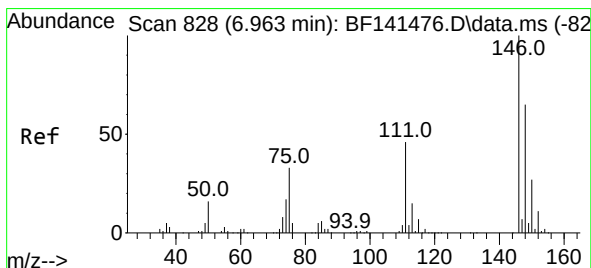
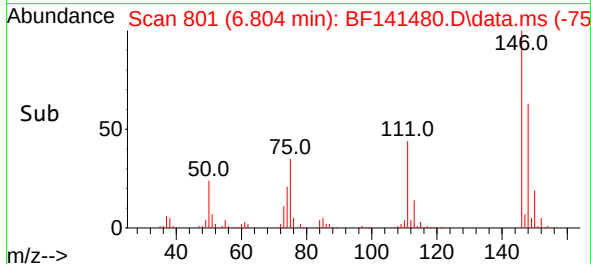
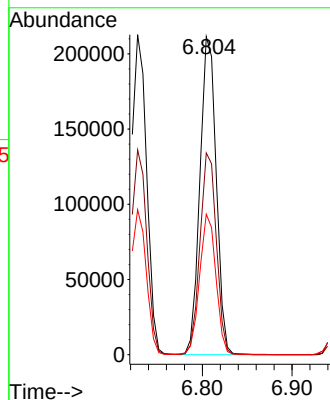
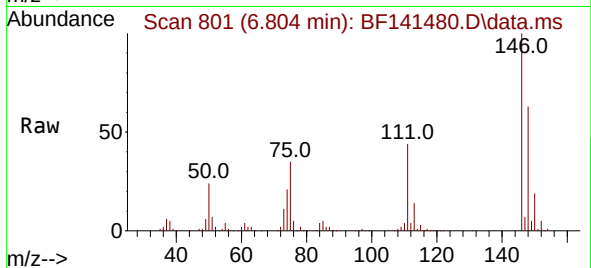
Tgt Ion:146 Resp: 267068

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

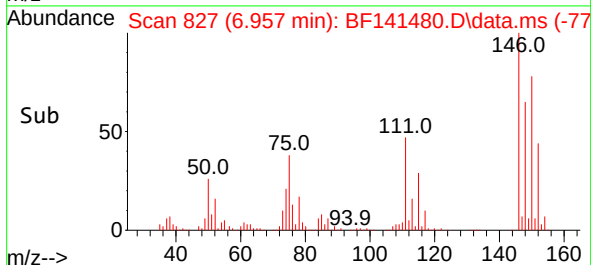
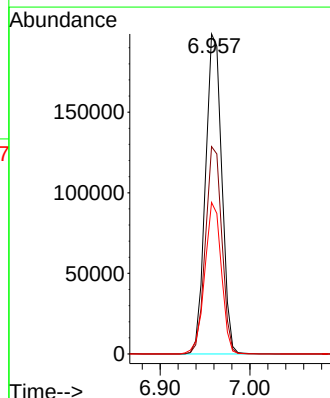
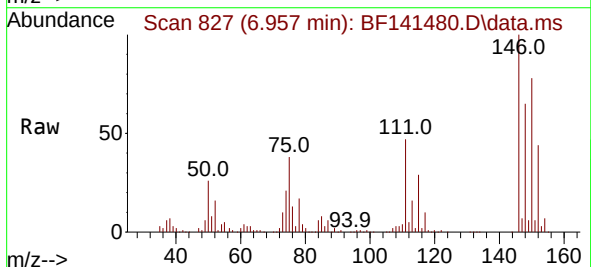
Tgt Ion:146 Resp: 250623

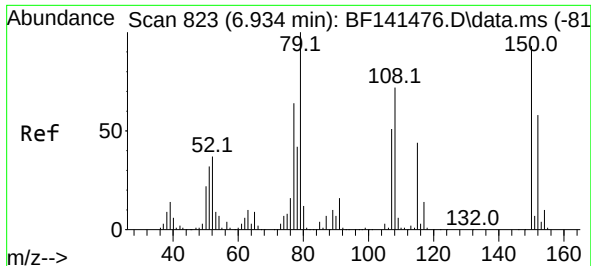
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

111 47.4 37.0 55.4

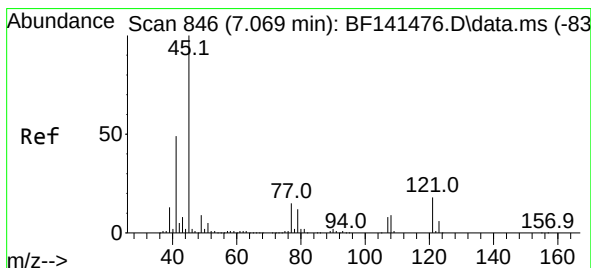
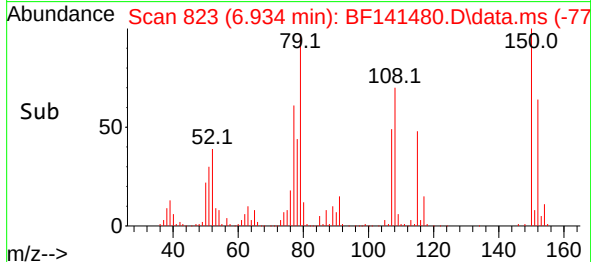
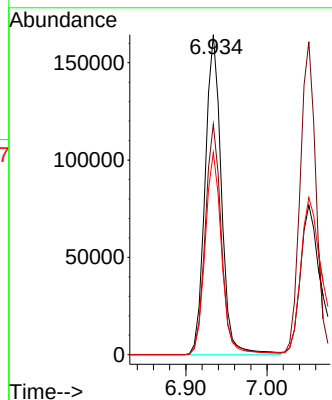
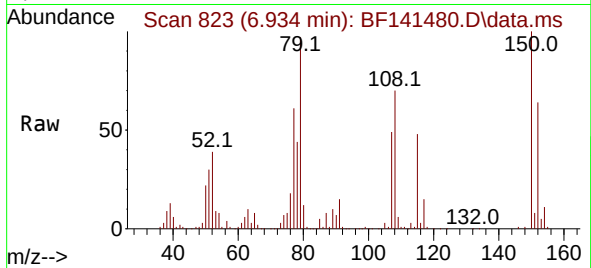




#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

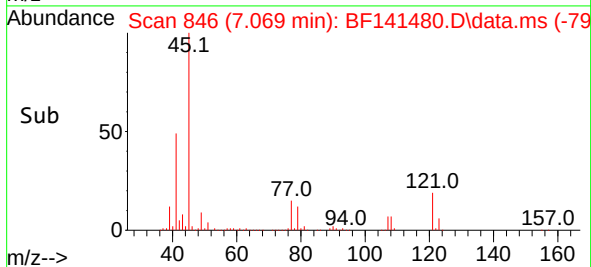
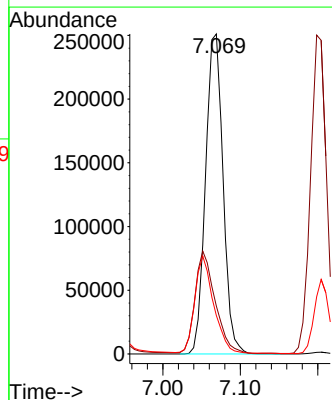
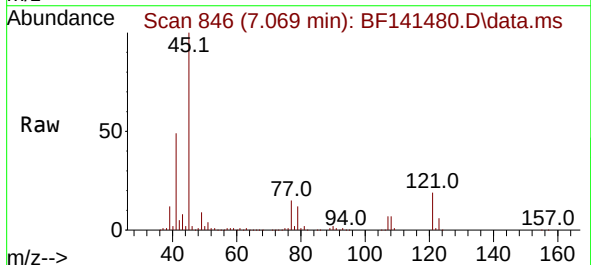
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

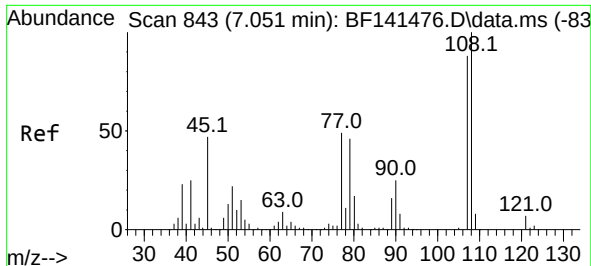
Tgt Ion: 79 Resp: 228379
Ion Ratio Lower Upper
79 100
108 72.0 57.4 86.2
77 63.2 50.9 76.3



#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

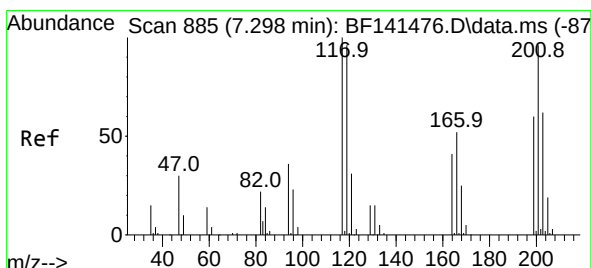
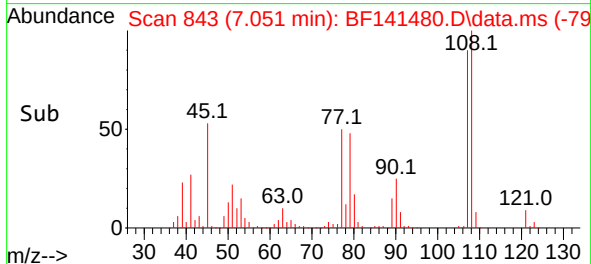
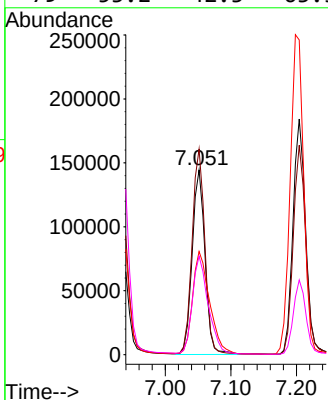
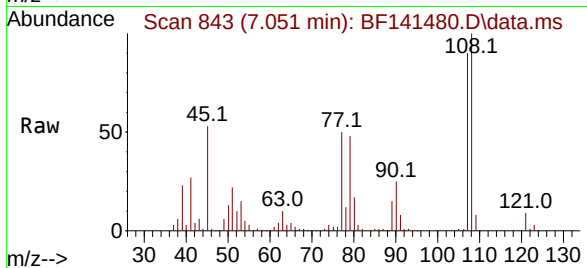




#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

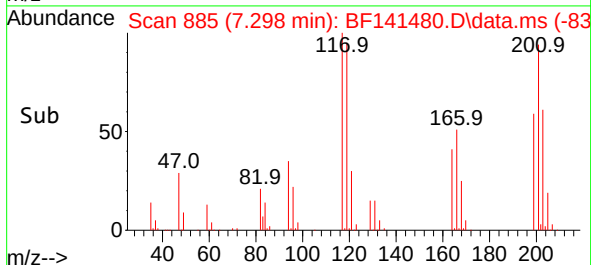
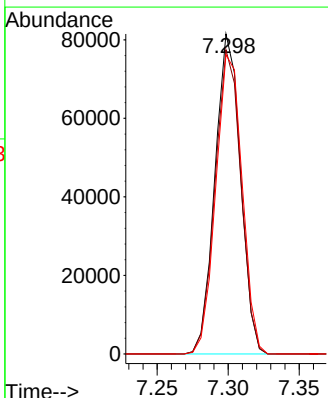
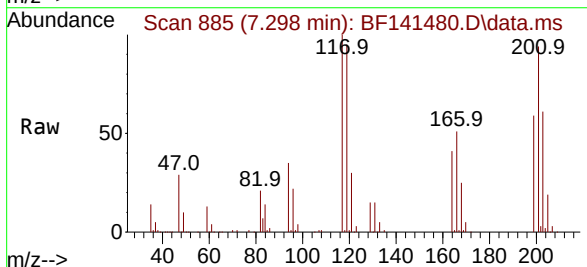
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

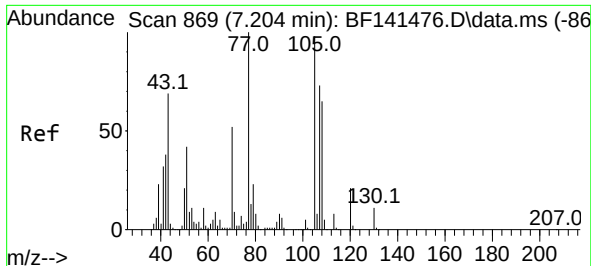
Tgt Ion:	107	Resp:	197905
Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	55.8	44.4	66.6
79	53.2	42.3	63.5



#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



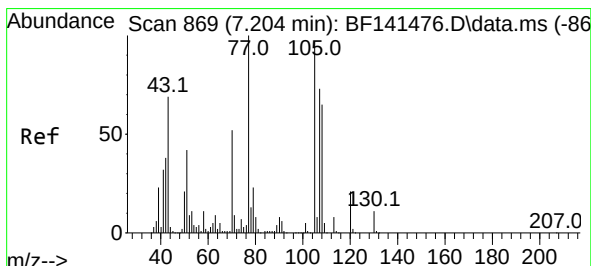
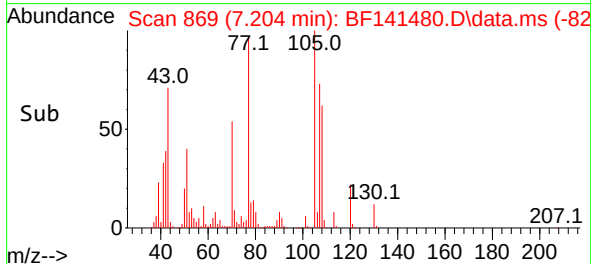
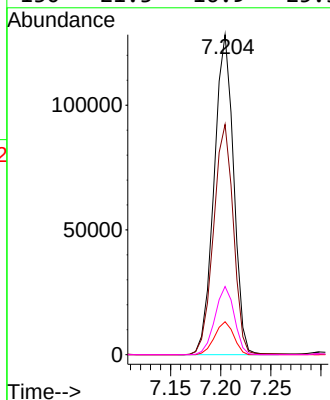
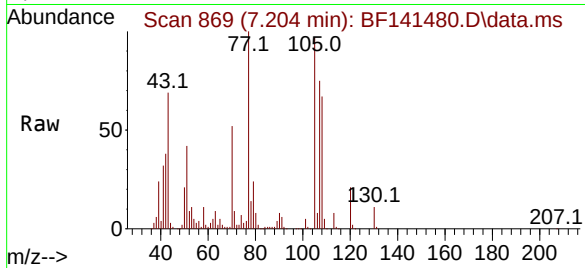


#19
n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 70 Resp: 173832

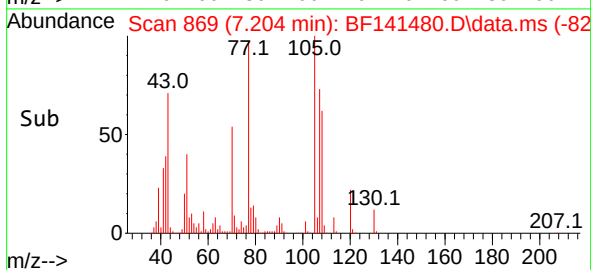
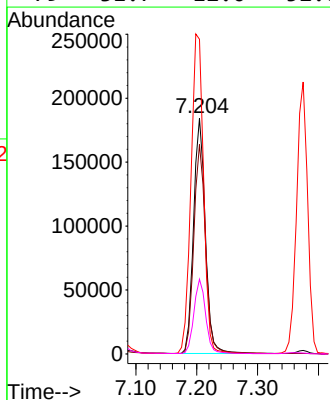
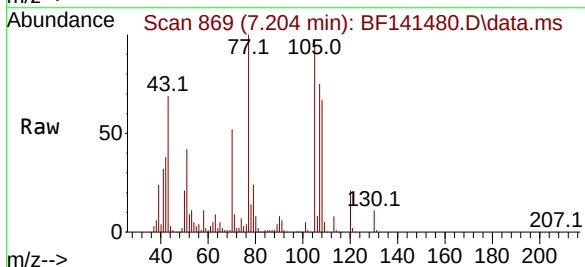
Ion	Ratio	Lower	Upper
70	100		
42	72.0	57.4	86.2
101	10.3	8.0	12.0
130	21.3	16.9	25.3

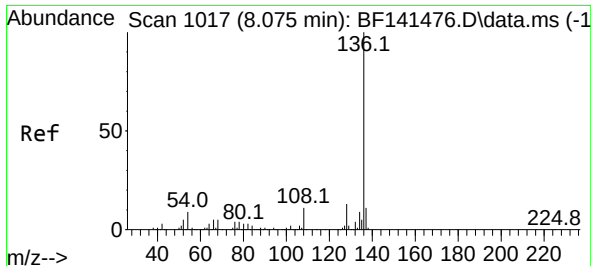


#20
3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



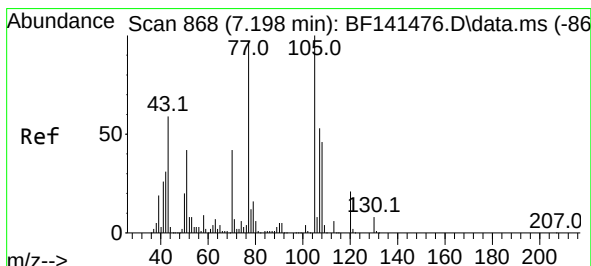
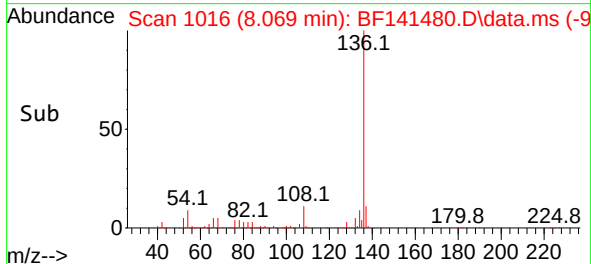
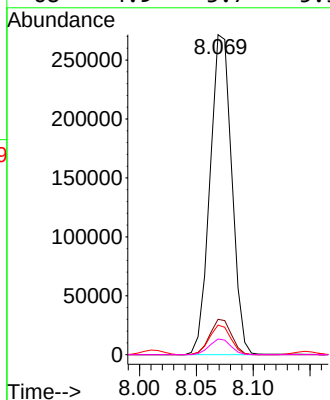
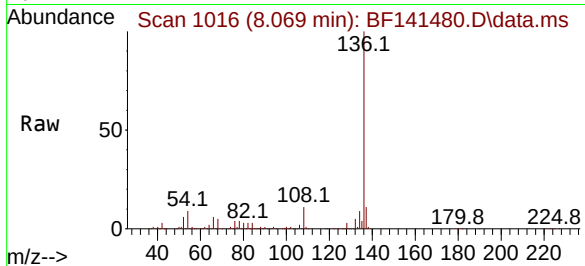


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:136 Resp: 362467

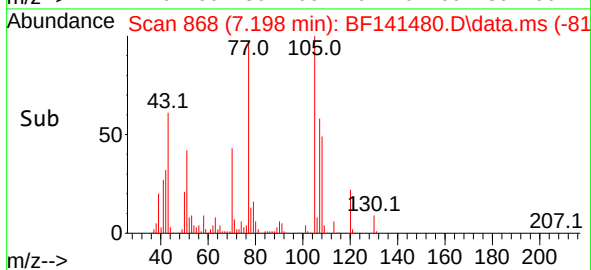
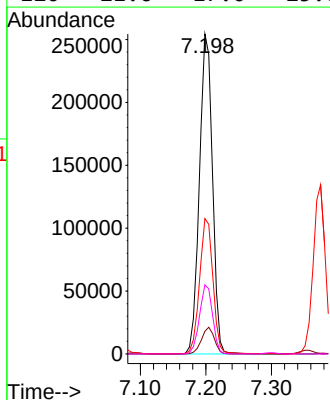
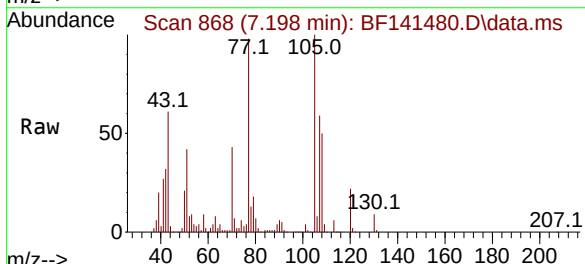
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.2	10.8
68	4.9	3.7	5.5

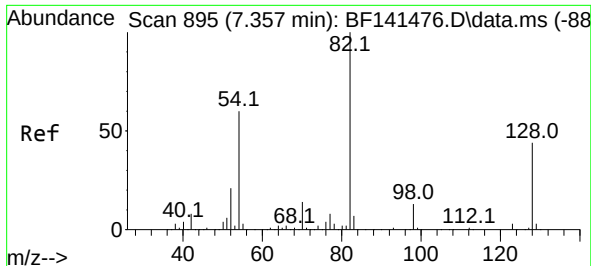


#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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 :

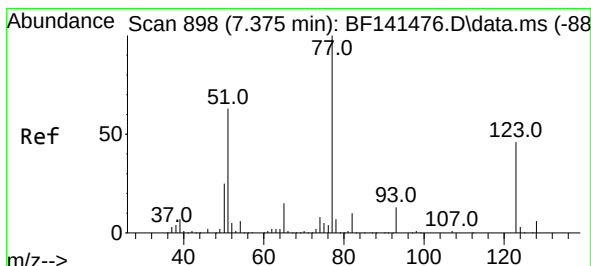
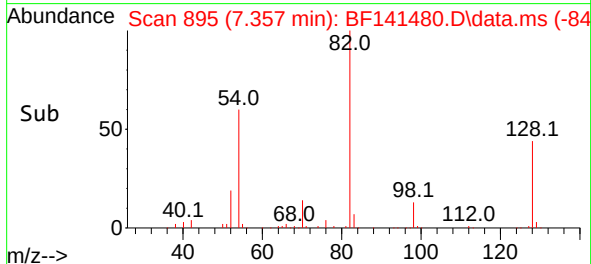
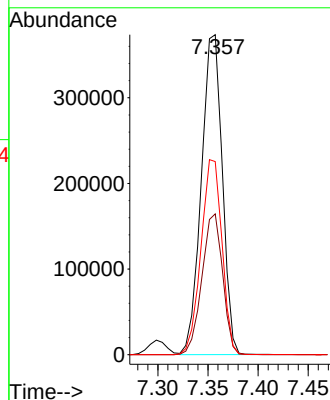
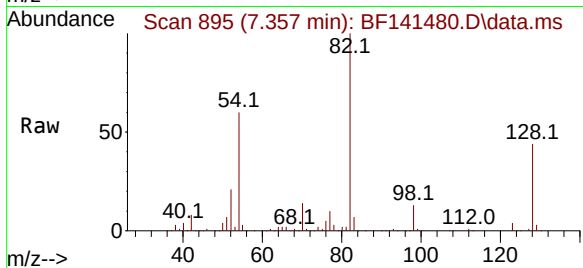
BNA_F

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

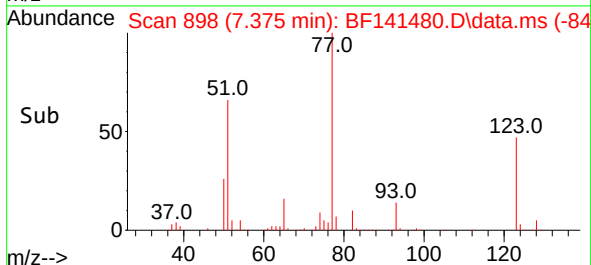
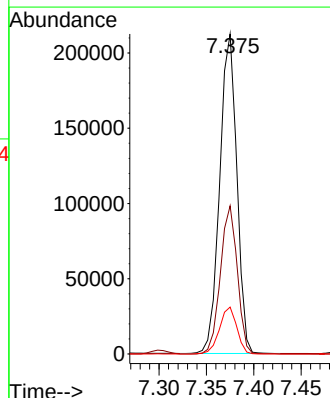
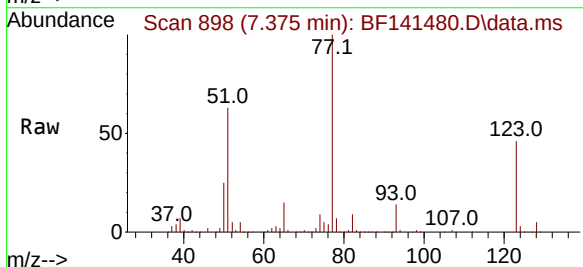
Delta R.T. -0.006 min

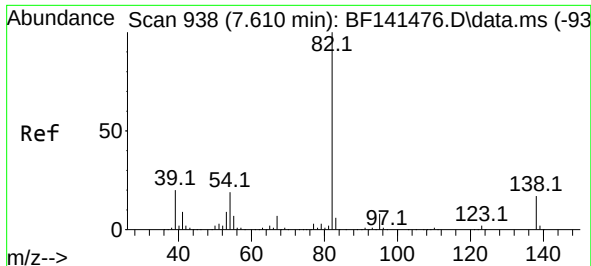
Lab File: BF141480.D

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

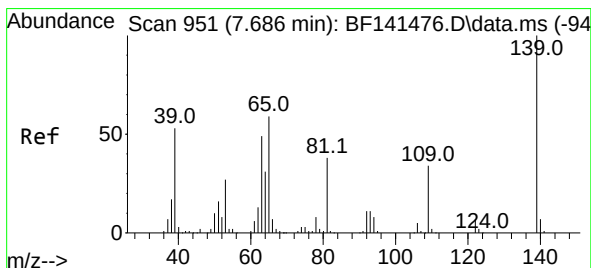
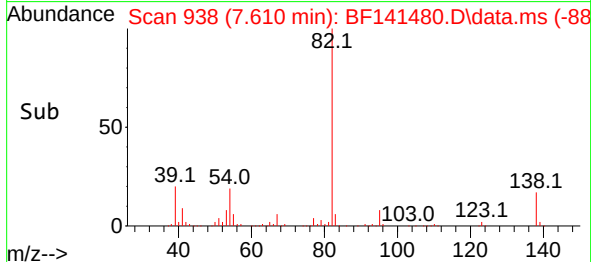
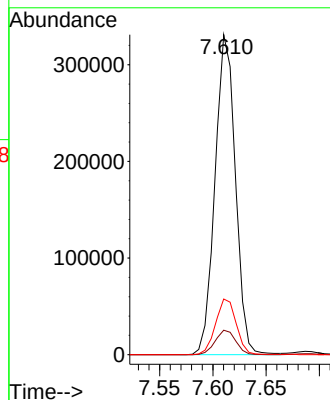
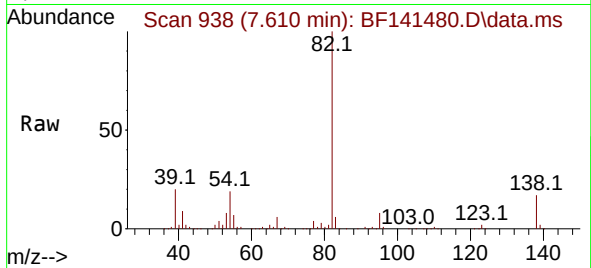




#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 911
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

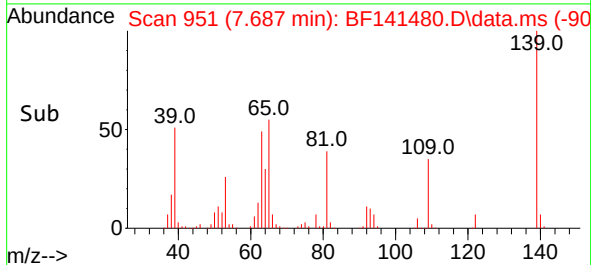
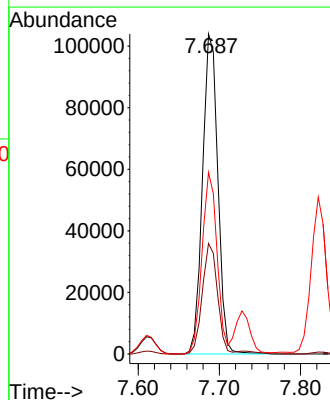
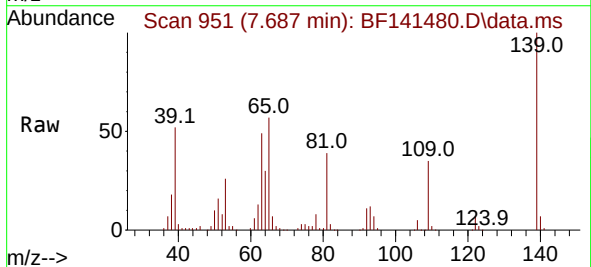
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

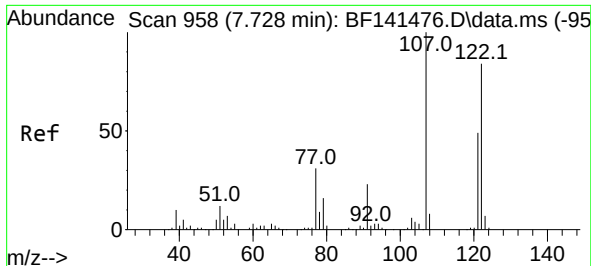
Tgt Ion: 82 Resp: 440640
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 17.4 13.9 20.9



#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

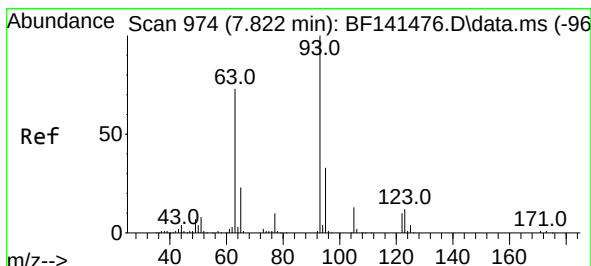
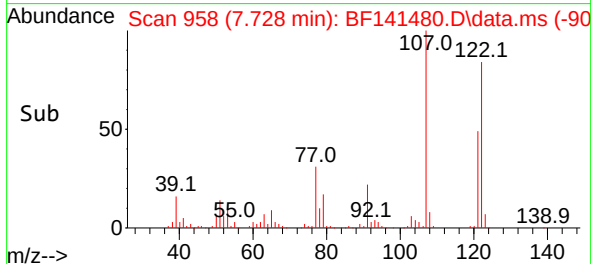
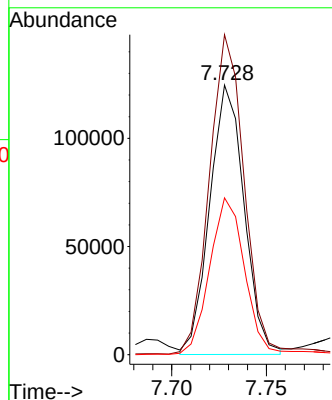
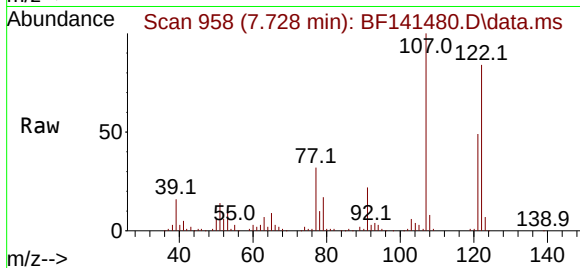




#27
2,4-Dimethylphenol
Concen: 39.924 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

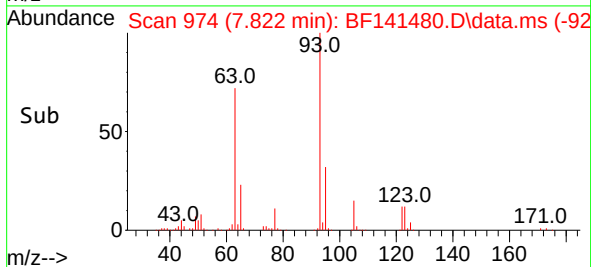
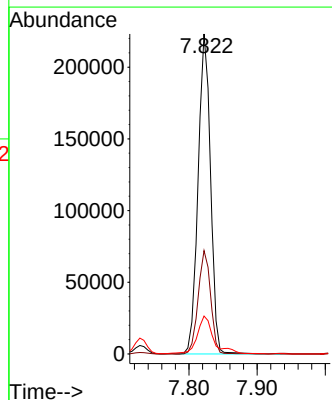
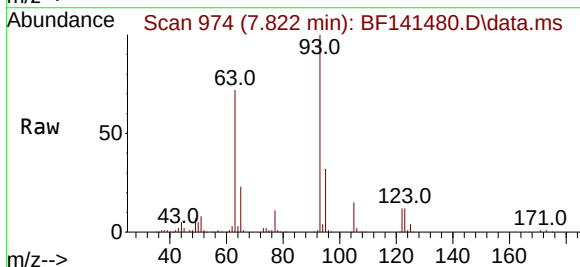
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

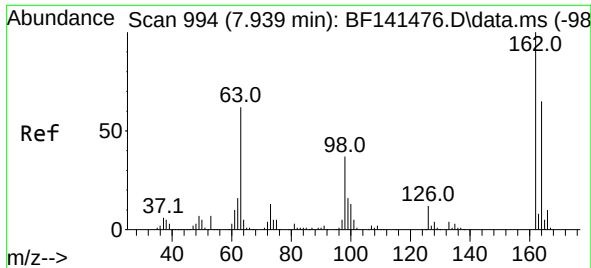
Tgt Ion:	122	Resp:	157242
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.2	46.0	69.0



#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

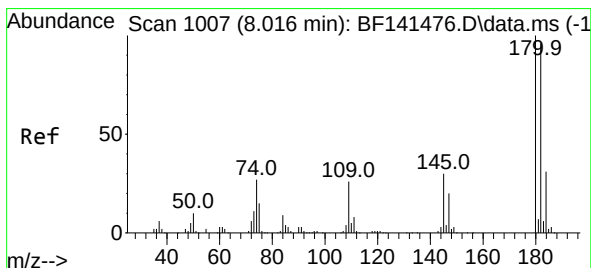
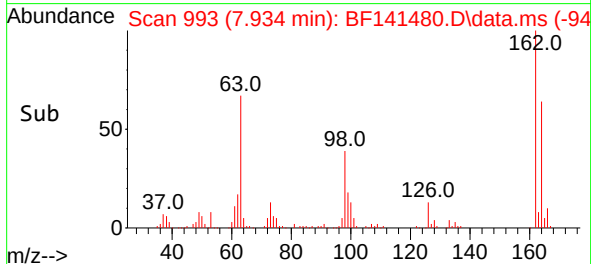
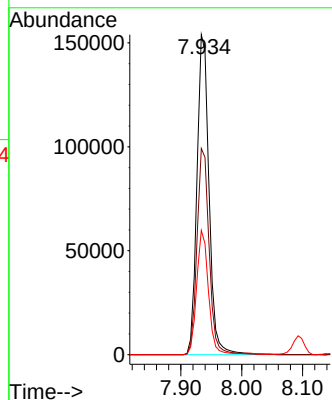
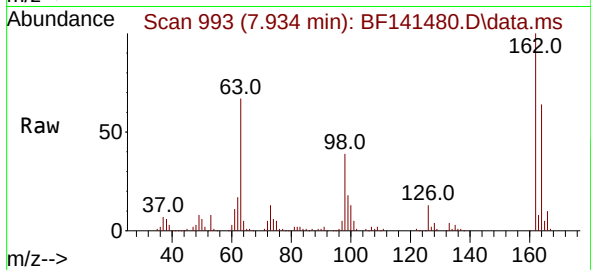




#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

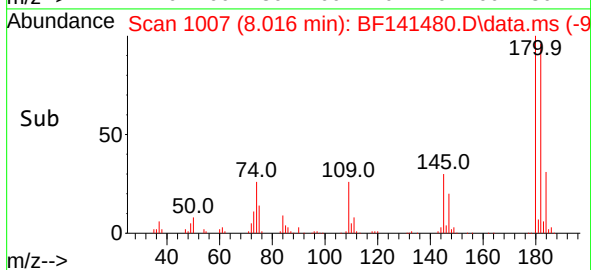
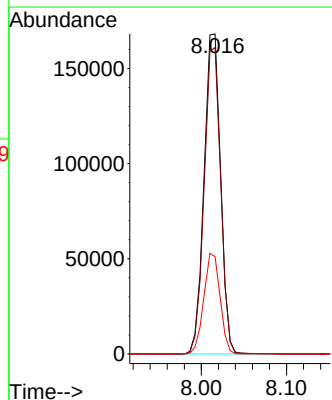
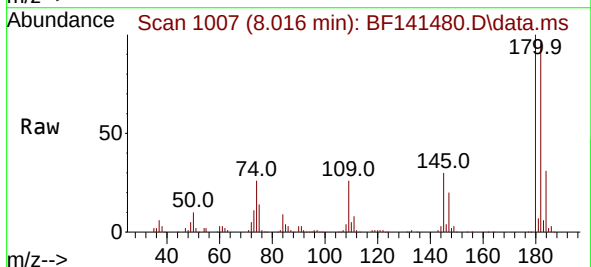
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

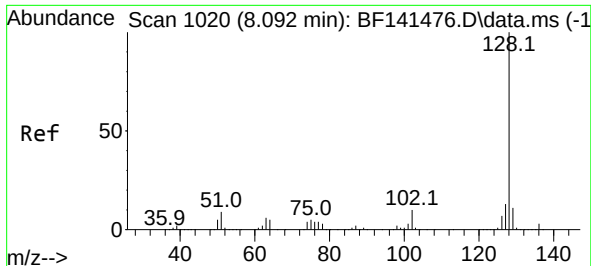
Tgt Ion:162	Resp:	211891
Ion Ratio	Lower	Upper
162	100	
164	64.5	44.6 84.6
98	38.9	17.2 57.2



#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

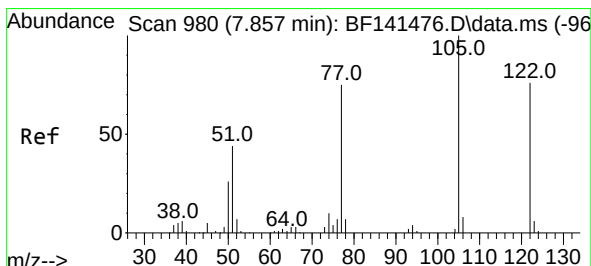
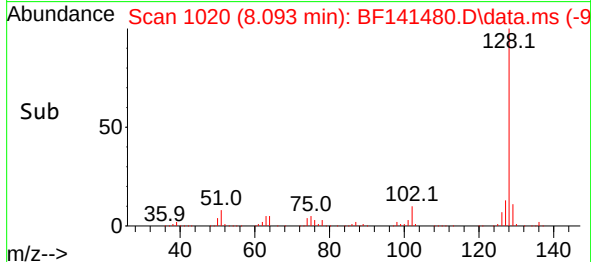
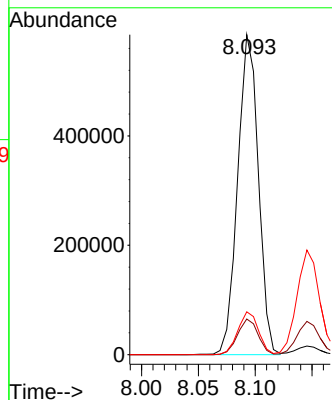
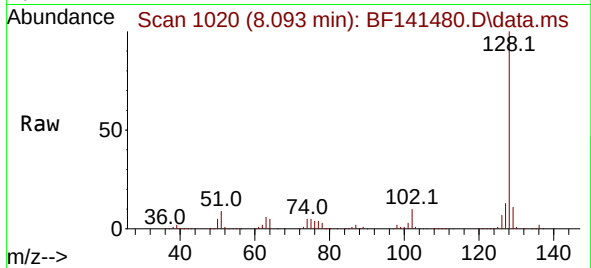




#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

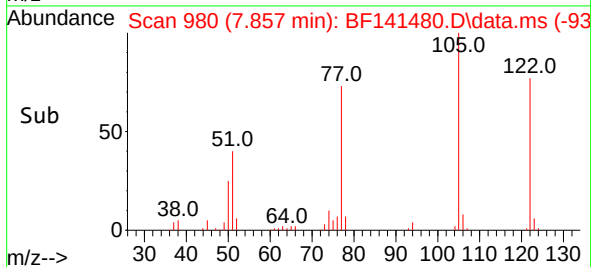
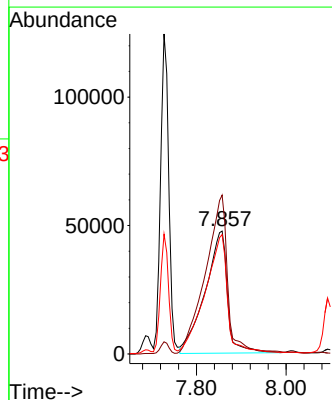
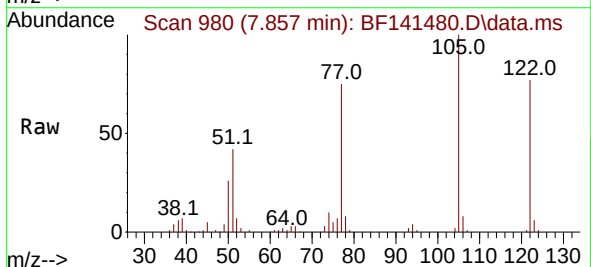
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

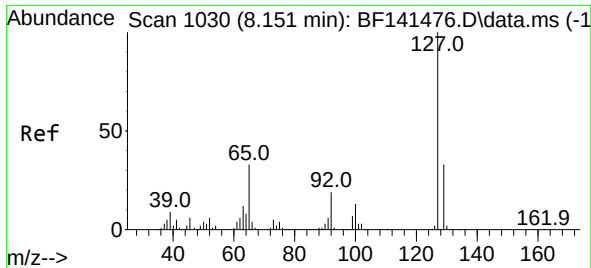
Tgt Ion:128 Resp: 741255
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#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

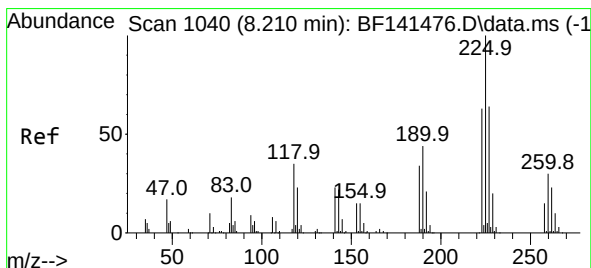
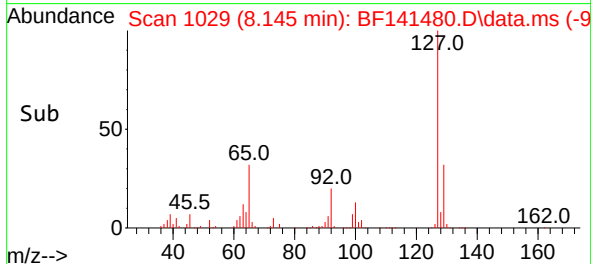
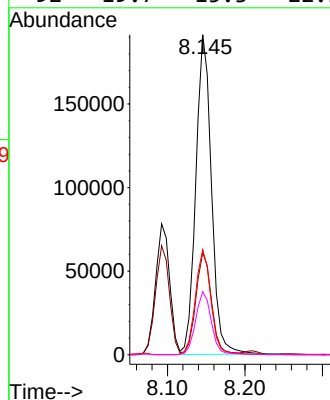
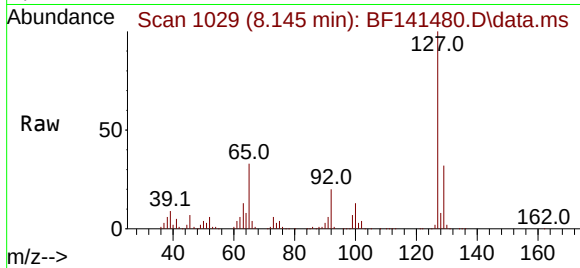




#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

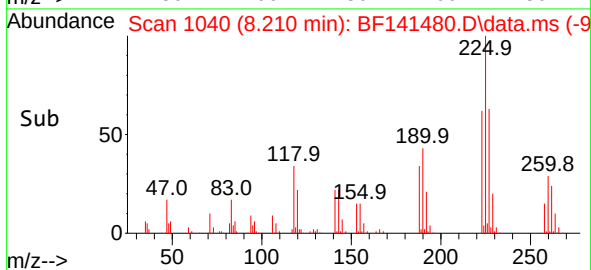
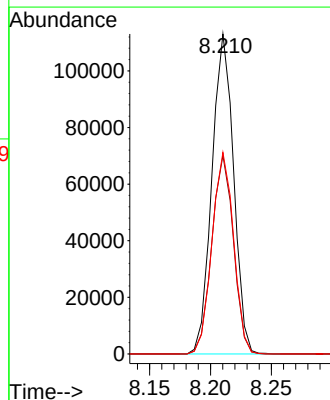
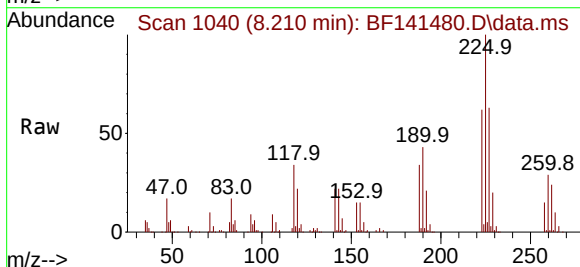
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

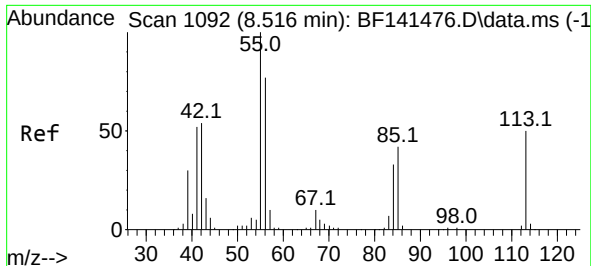
Tgt Ion:	127	Resp:	267977
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	32.9	26.4	39.6
92	19.7	15.3	22.9



#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

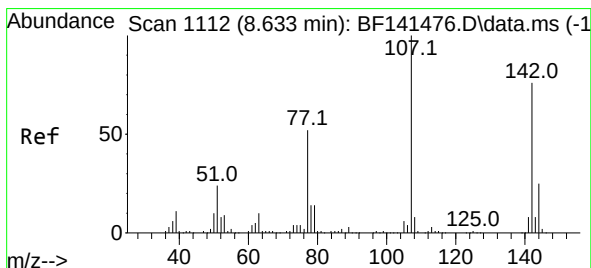
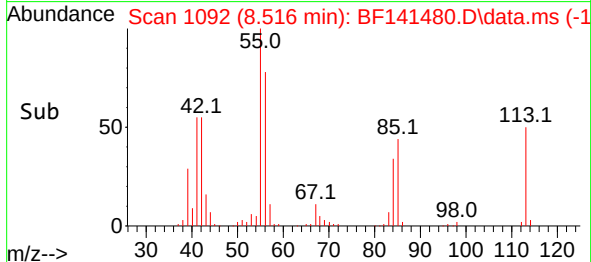
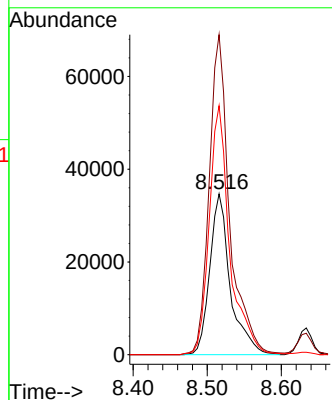
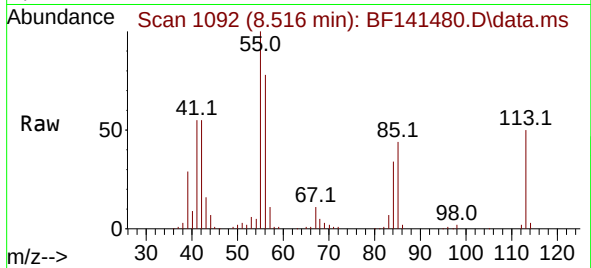




#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1092
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

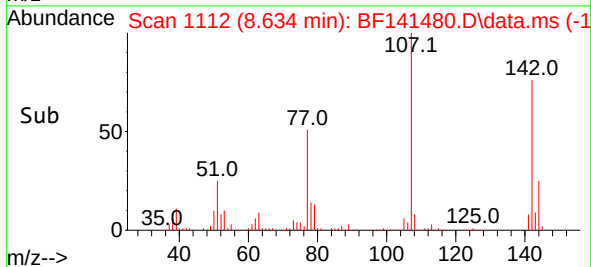
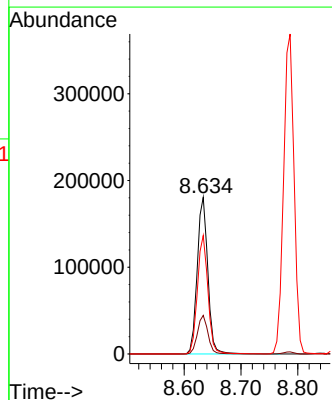
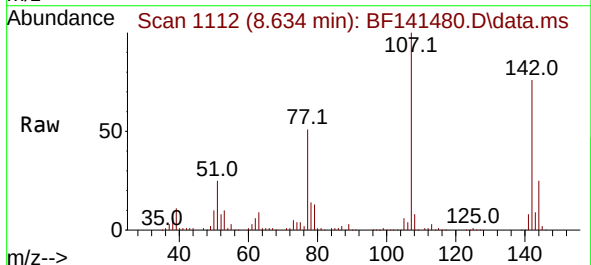
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

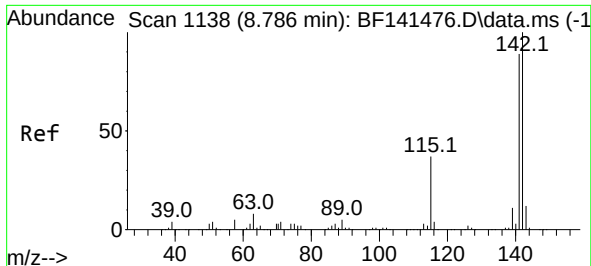
Tgt Ion:113 Resp: 66599
Ion Ratio Lower Upper
113 100
55 199.0 180.8 220.8
56 154.8 133.6 173.6



#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

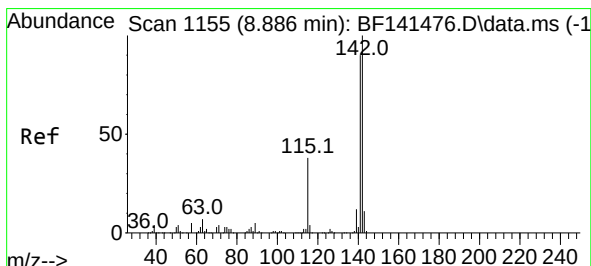
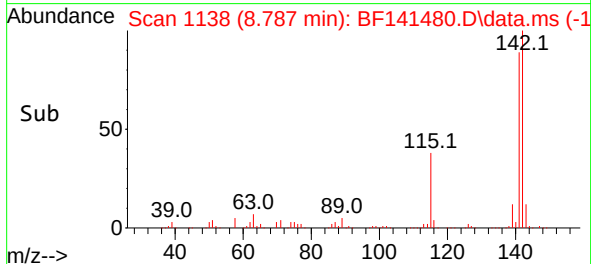
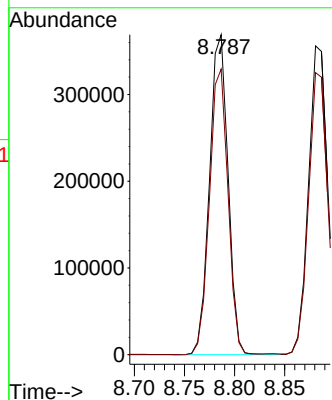
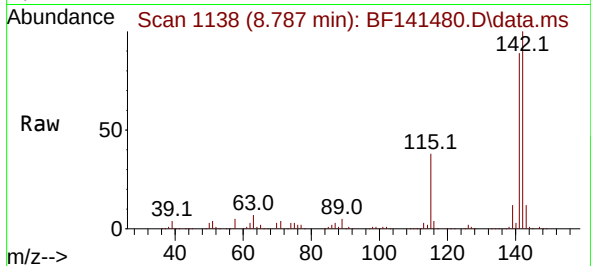




#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

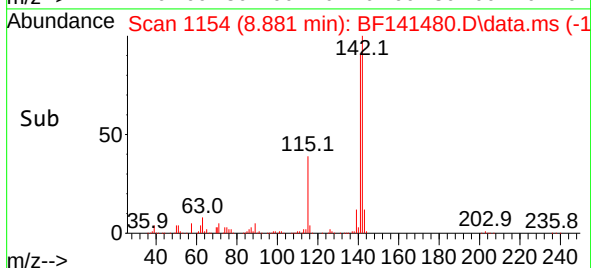
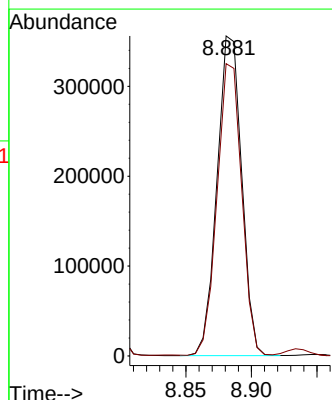
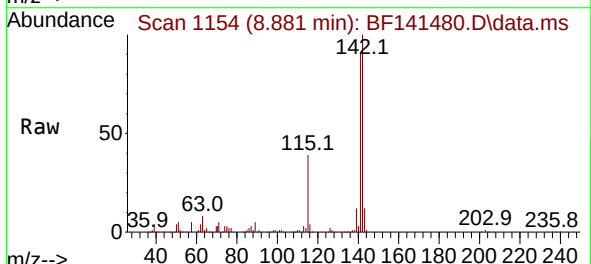
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

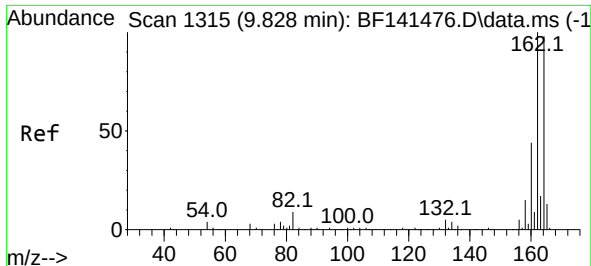
Tgt Ion:142 Resp: 475273
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8



#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

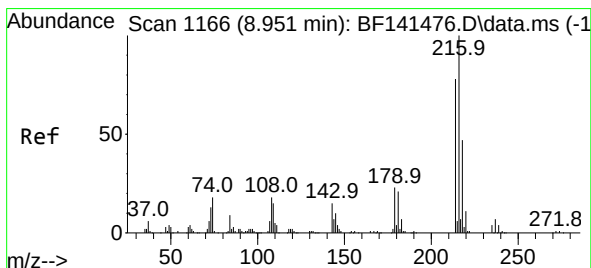
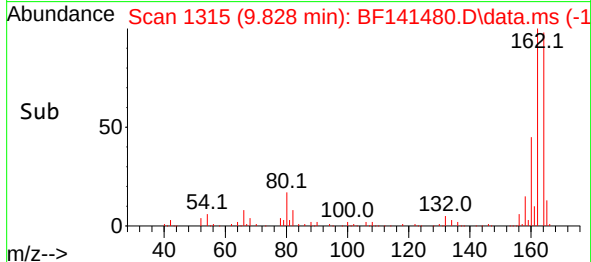
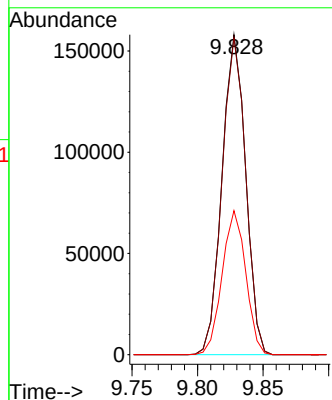
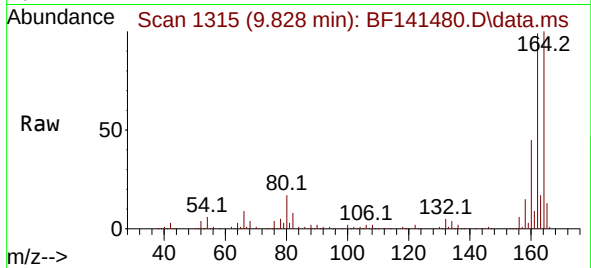




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

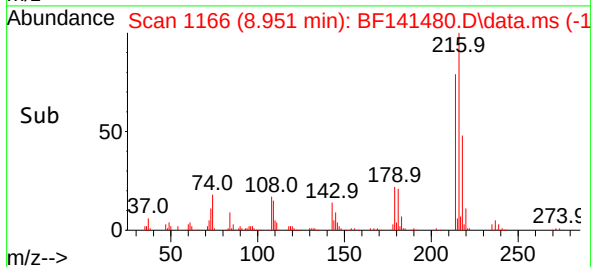
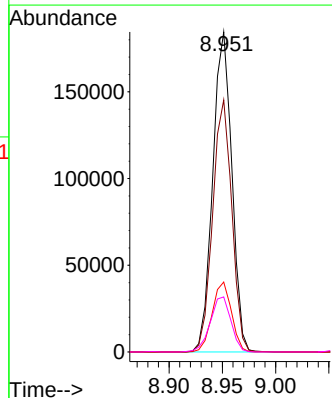
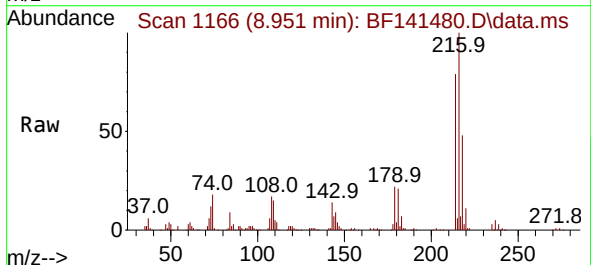
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

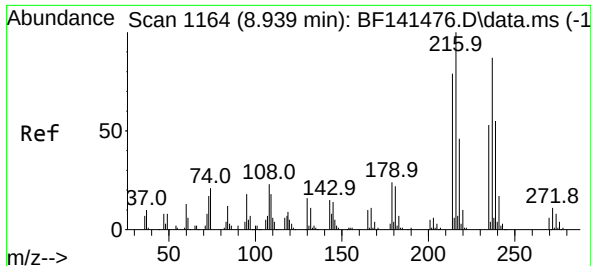
Tgt Ion:164 Resp: 197991
Ion Ratio Lower Upper
164 100
162 99.1 81.3 121.9
160 45.0 35.9 53.9



#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

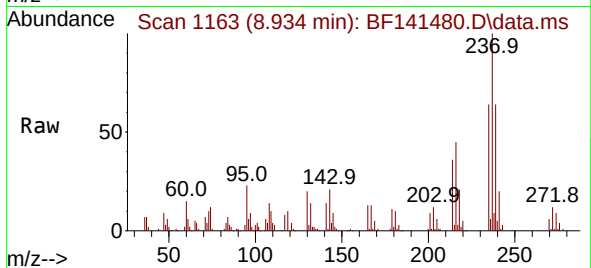
Tgt Ion:216 Resp: 230166
Ion Ratio Lower Upper
216 100
214 78.9 62.3 93.5
179 22.1 18.0 27.0
108 18.6 15.0 22.6



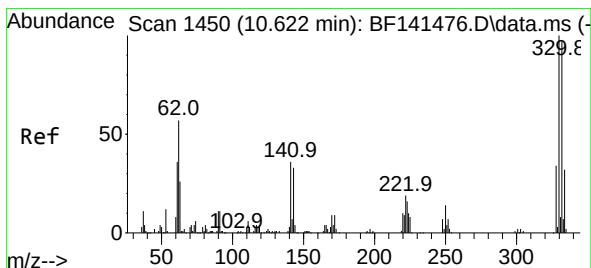
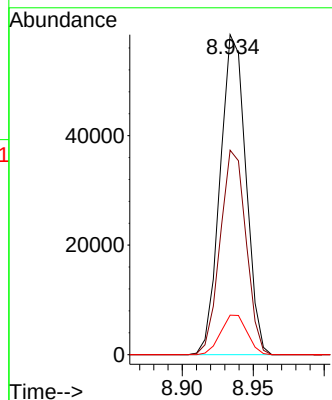
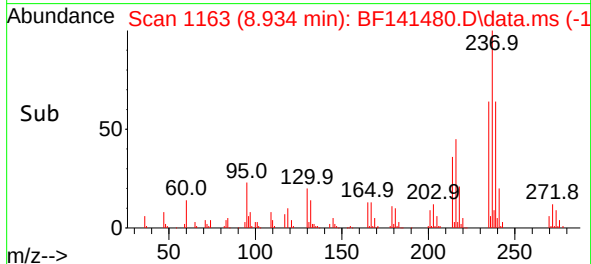


#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

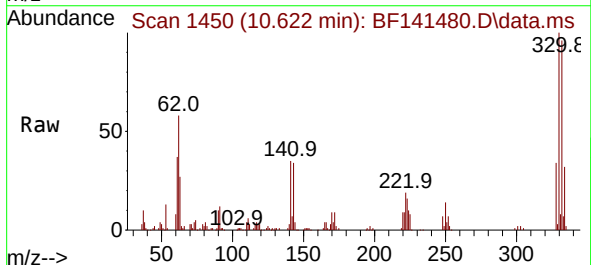
Instrument :
BNA_F
ClientSampleId :
ICVBF020625



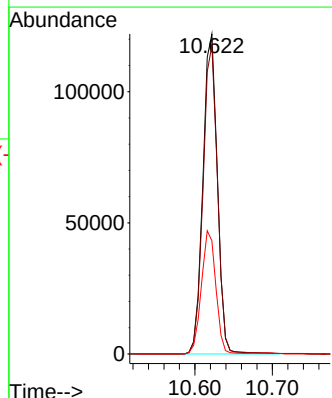
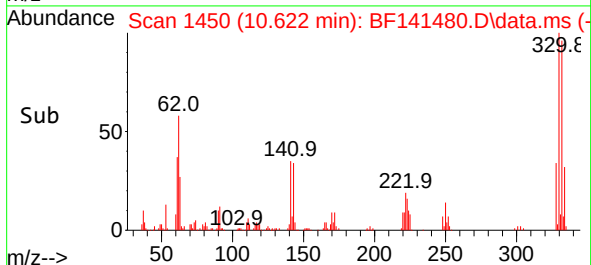
Tgt Ion:237 Resp: 73834
Ion Ratio Lower Upper
237 100
235 63.9 41.4 81.4
272 12.4 0.0 32.4

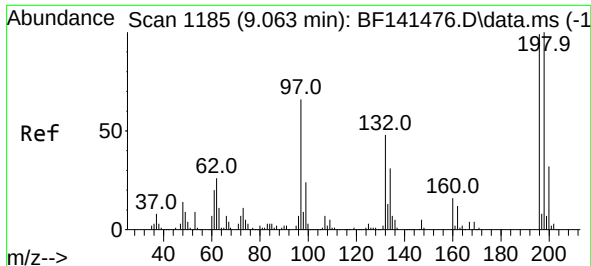


#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03



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

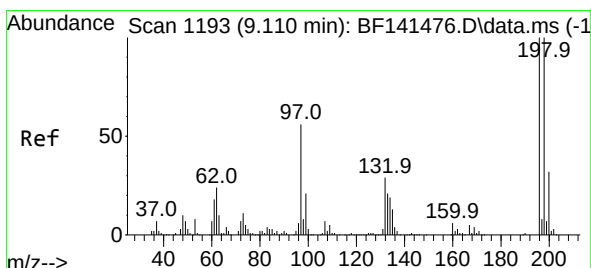
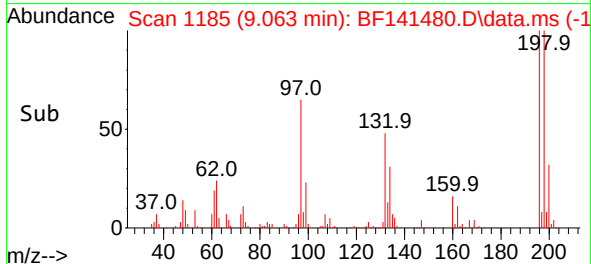
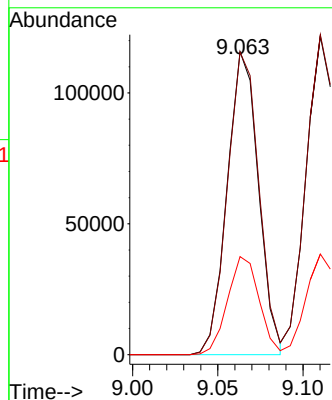
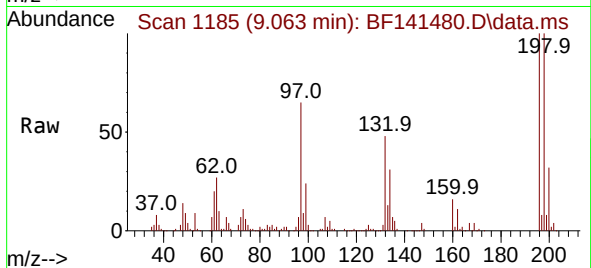
Tgt Ion:196 Resp: 147770

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

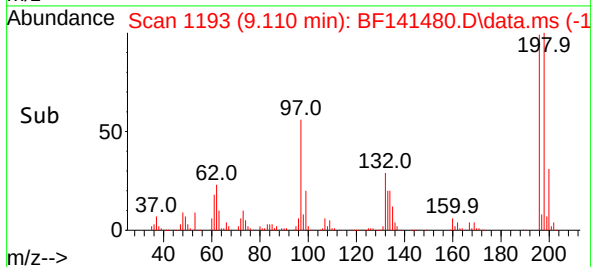
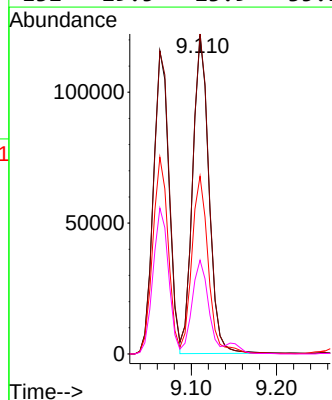
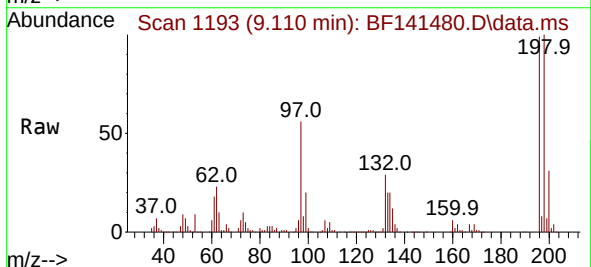
Ion Ratio Lower Upper

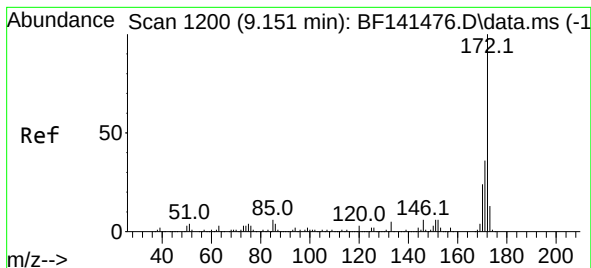
196 100

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# 1

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

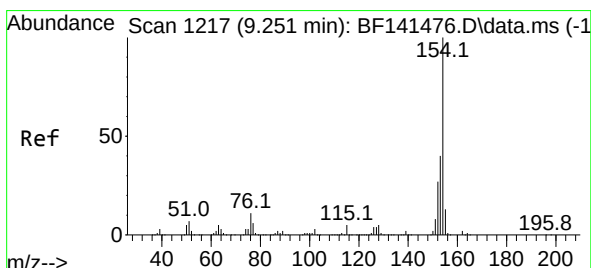
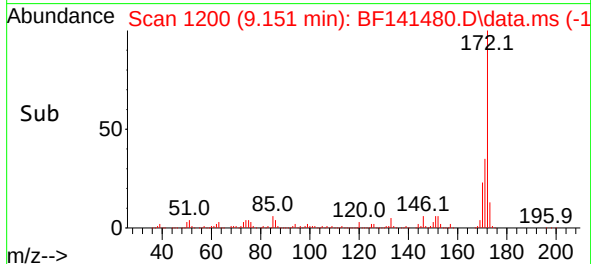
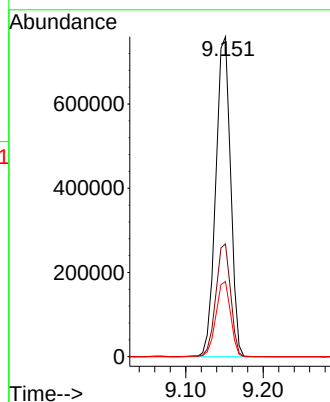
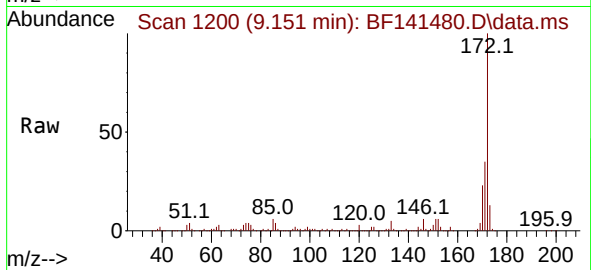
Tgt Ion:172 Resp: 1012492

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

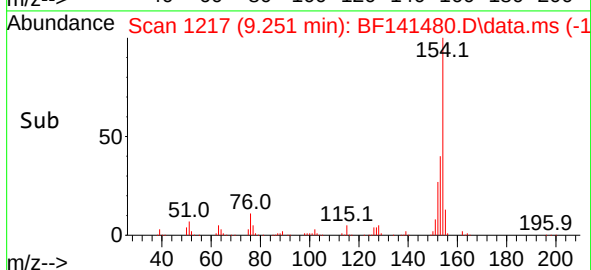
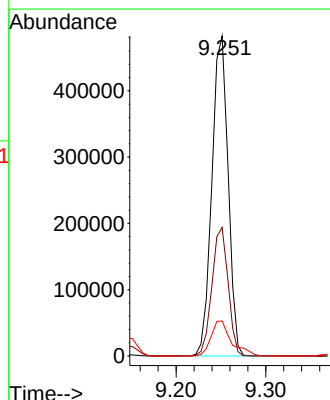
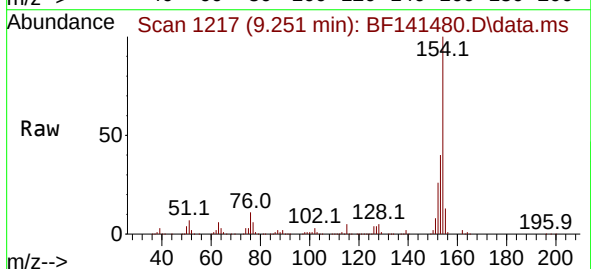
Tgt Ion:154 Resp: 606611

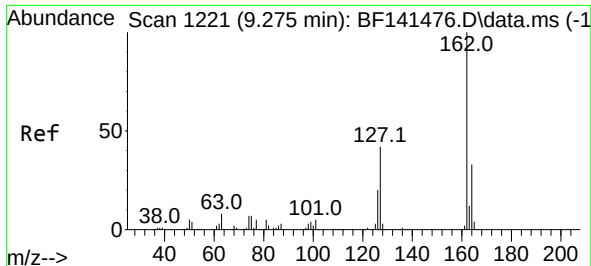
Ion Ratio Lower Upper

154 100

153 40.1 20.4 60.4

76 10.9 0.0 30.8

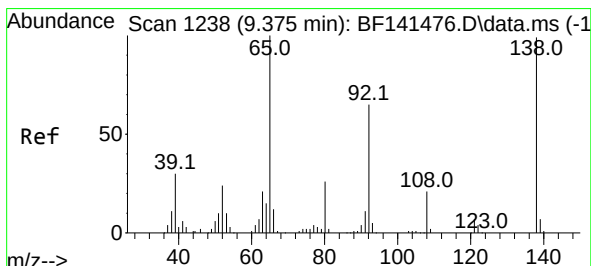
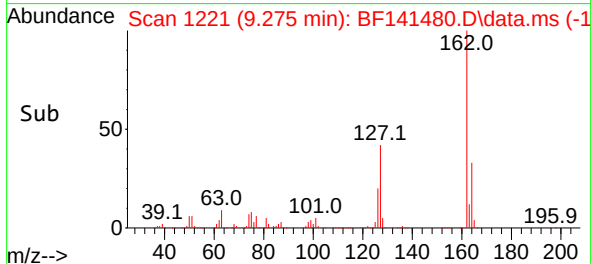
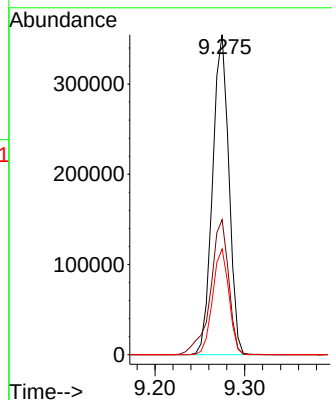
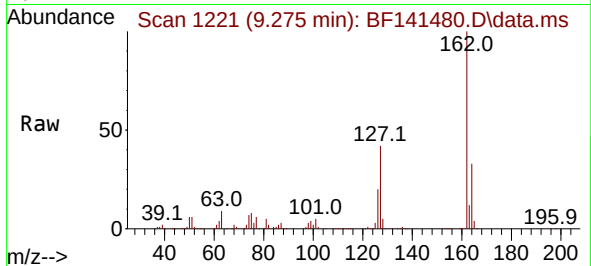




#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

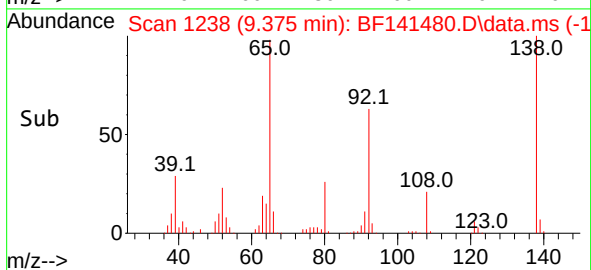
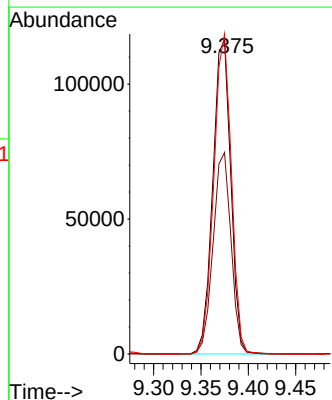
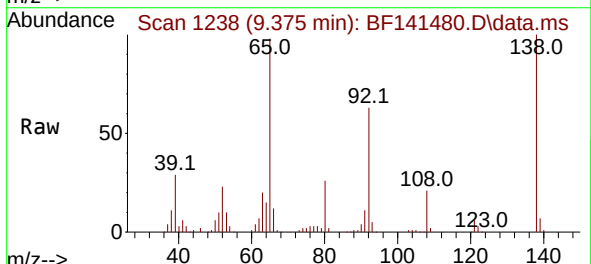
Instrument : BNA_F
ClientSampleId : ICVBF020625

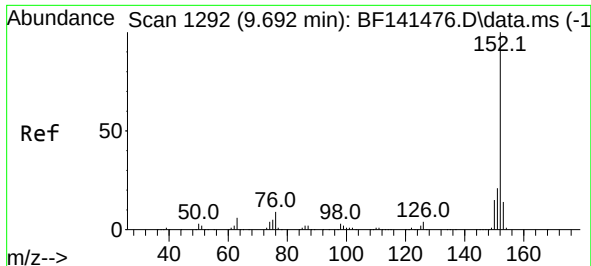
Tgt Ion:162 Resp: 447817
Ion Ratio Lower Upper
162 100
127 42.2 34.1 51.1
164 33.1 26.3 39.5



#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# 11

Delta R.T. -0.006 min

Lab File: BF141480.D

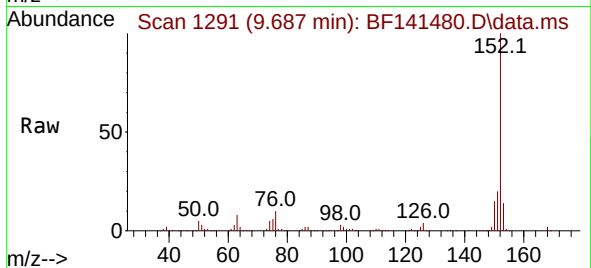
Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625



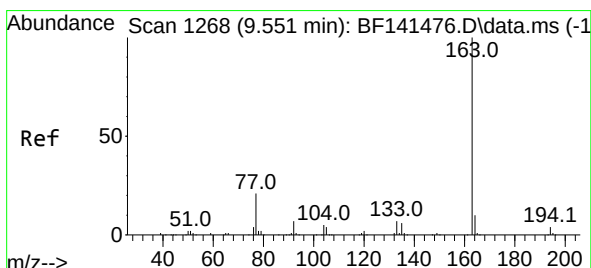
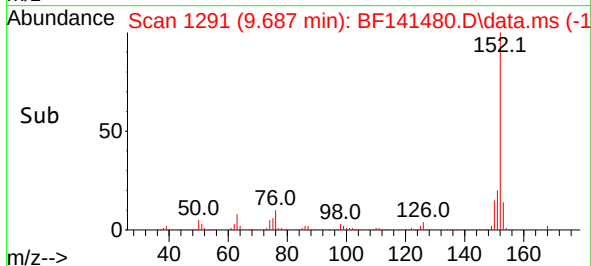
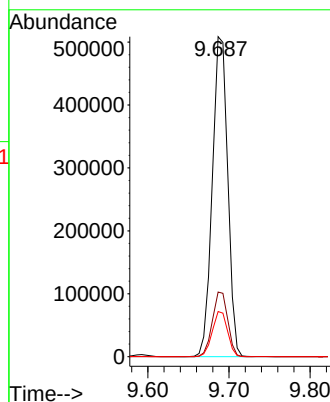
Tgt Ion:152 Resp: 670833

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

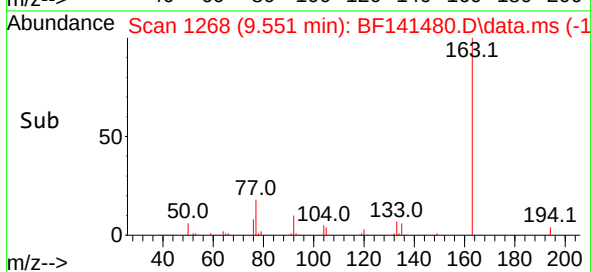
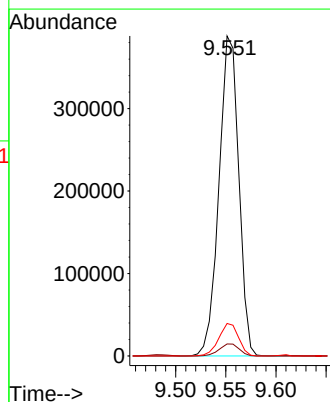
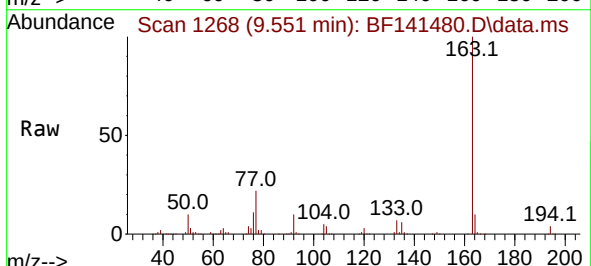
Tgt Ion:163 Resp: 530769

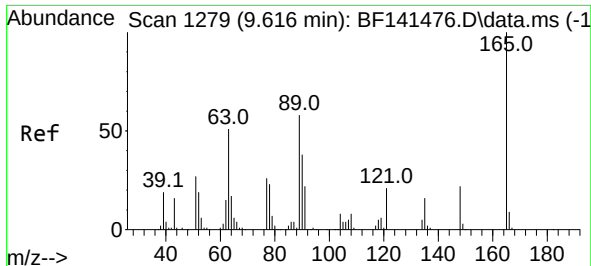
Ion Ratio Lower Upper

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

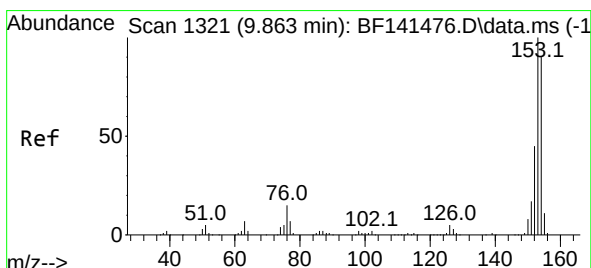
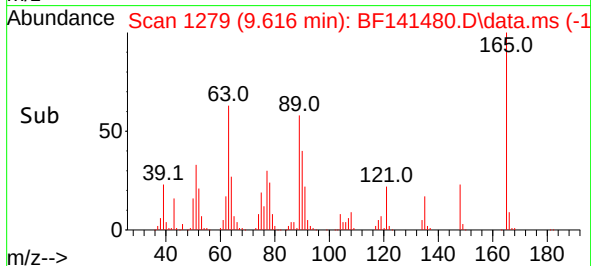
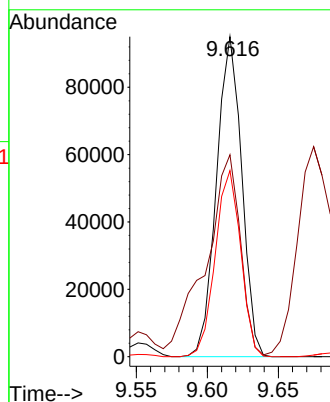
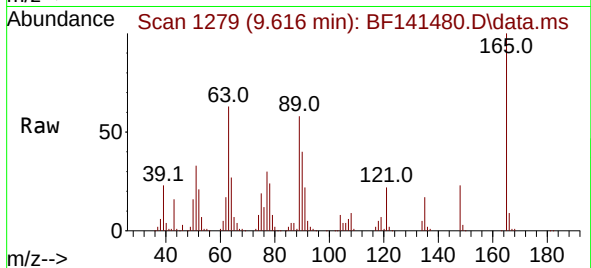
Tgt Ion:165 Resp: 117431

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

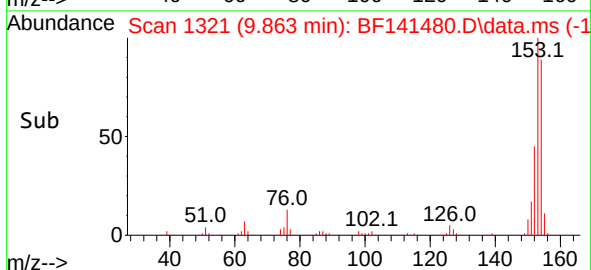
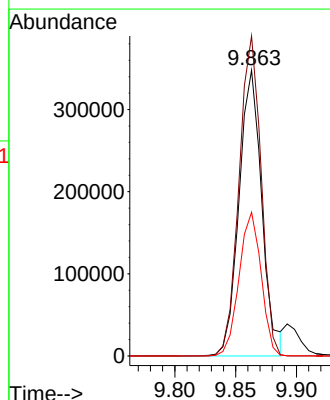
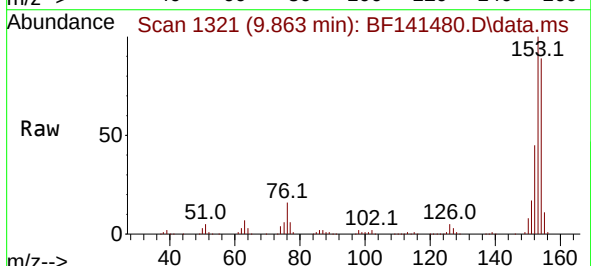
Tgt Ion:154 Resp: 452794

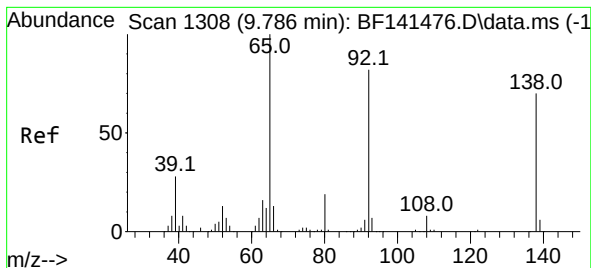
Ion Ratio Lower Upper

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

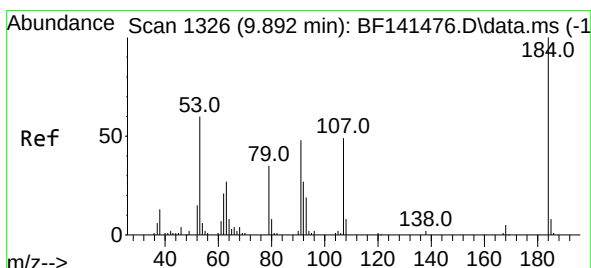
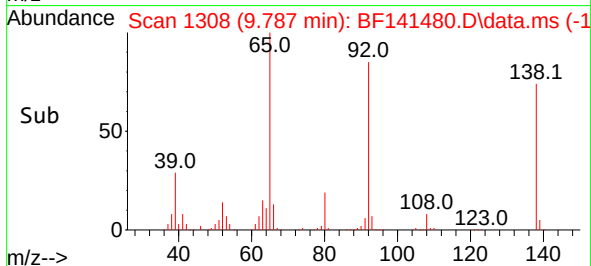
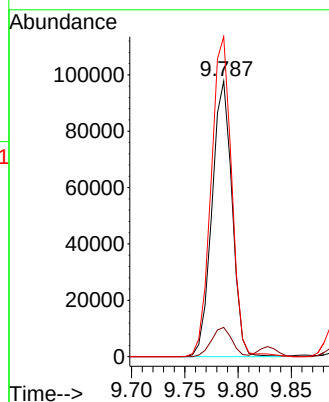
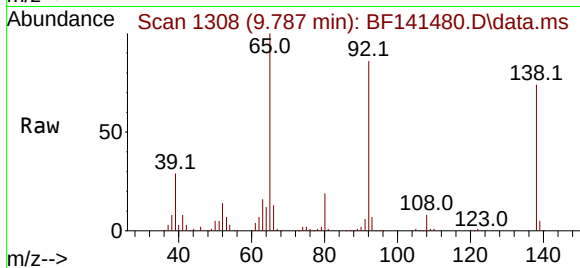
Tgt Ion:138 Resp: 127965

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

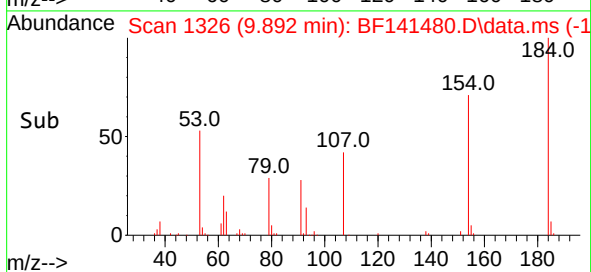
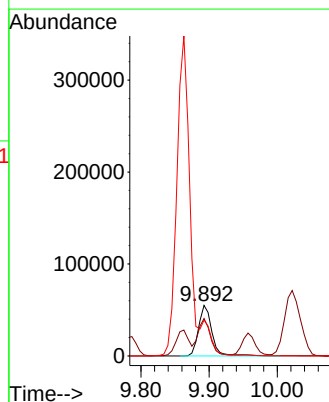
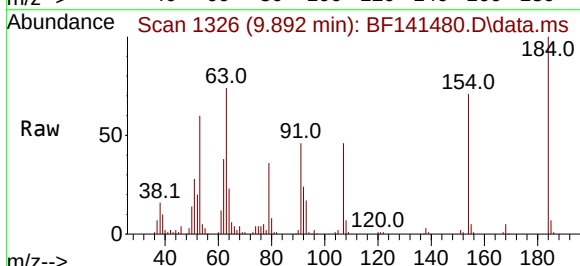
Tgt Ion:184 Resp: 74461

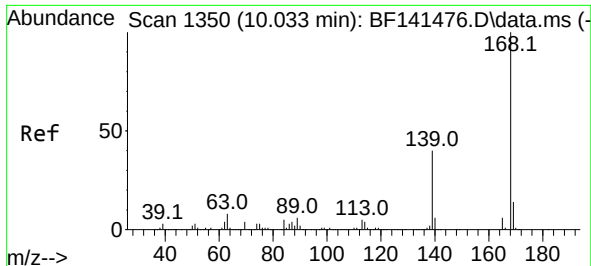
Ion Ratio Lower Upper

184 100

63 74.2 61.0 91.6

154 71.0 59.9 89.9

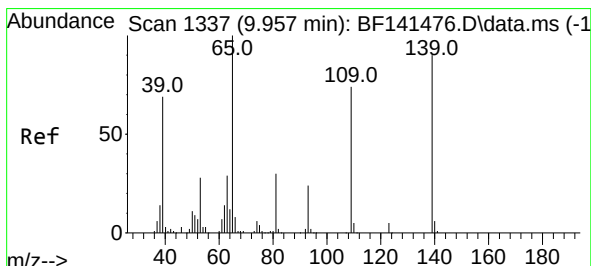
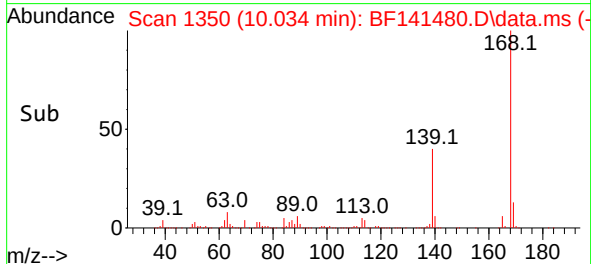
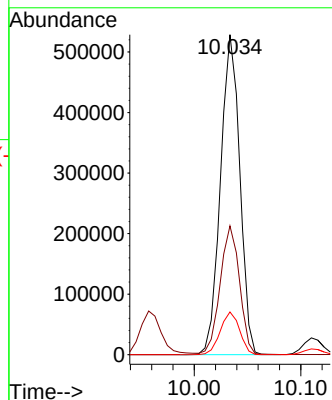
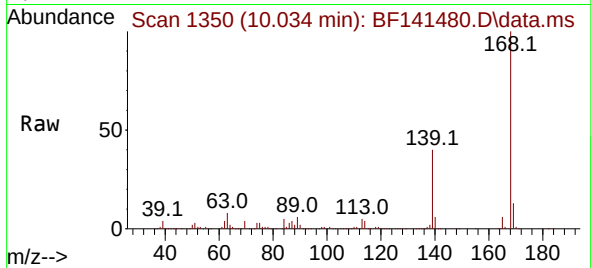




#55
Dibenzenofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

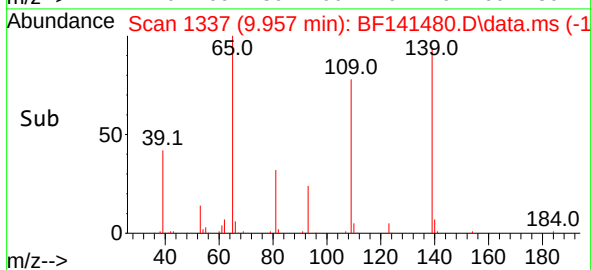
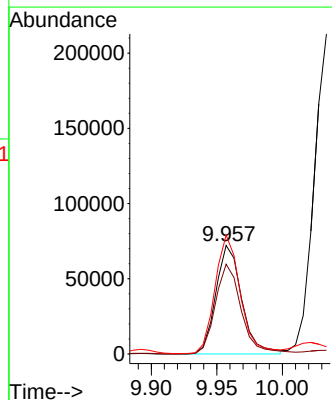
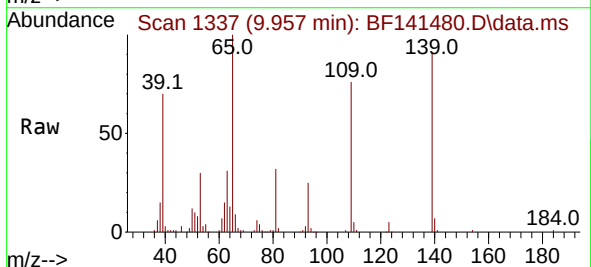
Instrument : BNA_F
ClientSampleId : ICVBF020625

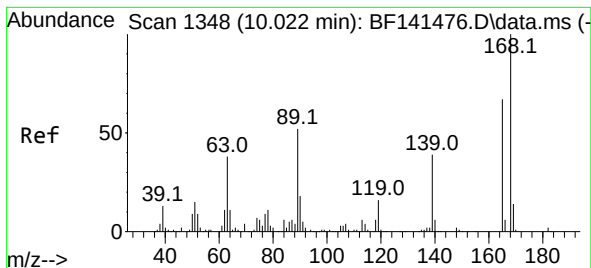
Tgt Ion:168 Resp: 664069
Ion Ratio Lower Upper
168 100
139 40.2 32.7 49.1
169 13.4 10.8 16.2



#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

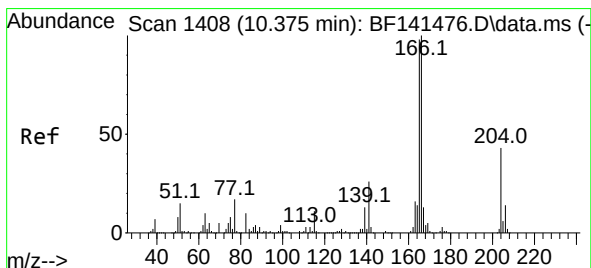
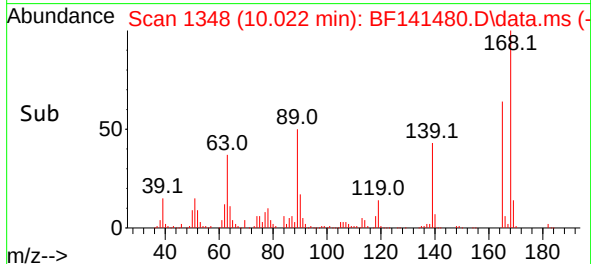
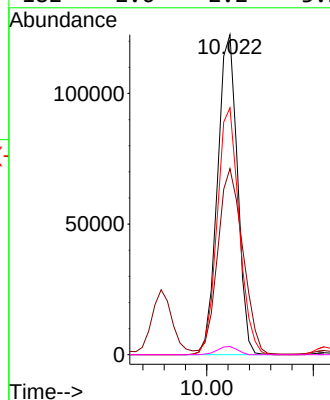
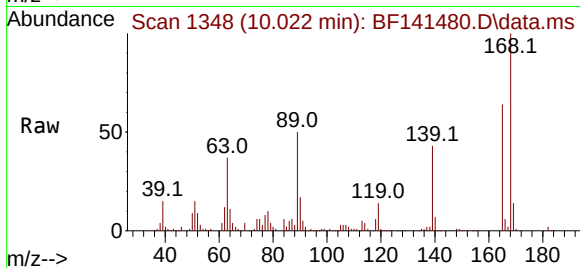




#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

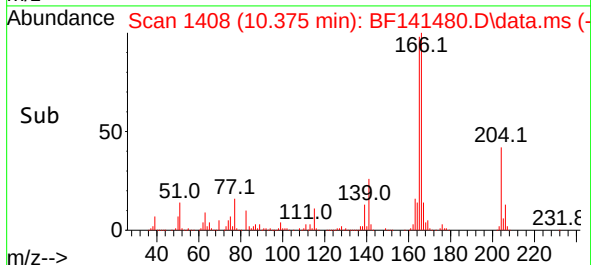
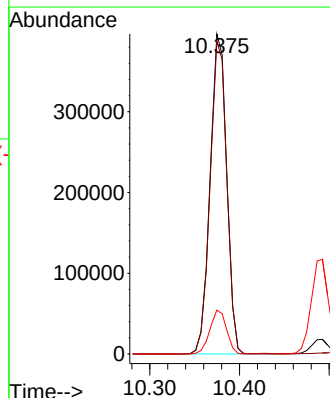
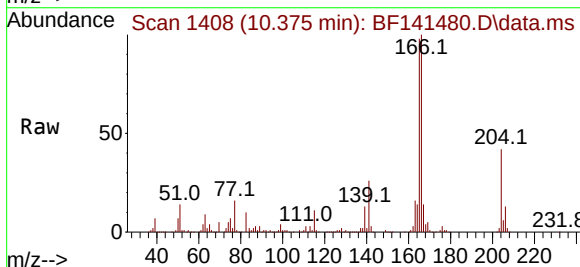
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

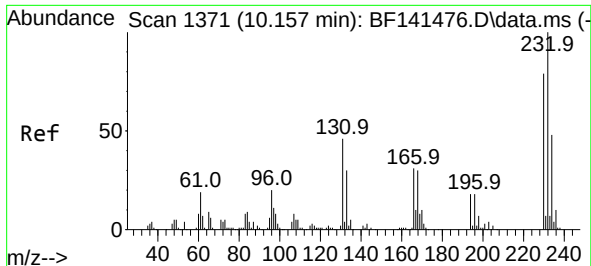
Tgt Ion:	165	Resp:	158941
Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	77.2	61.8	92.6
182	2.6	2.2	3.2



#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

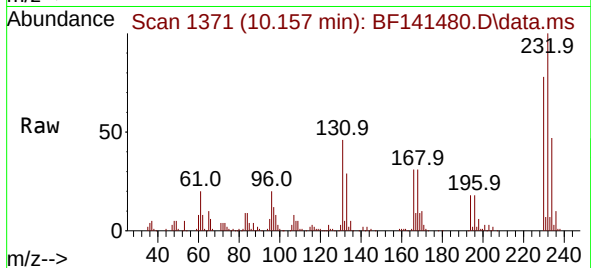
Tgt Ion:	166	Resp:	508833
Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.7	10.7	16.1



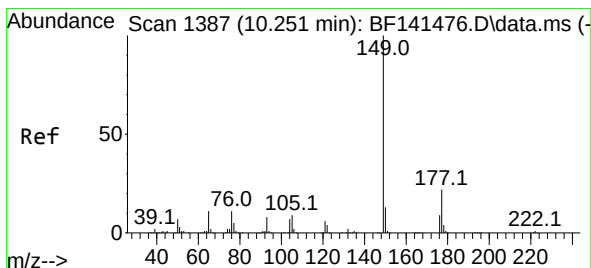
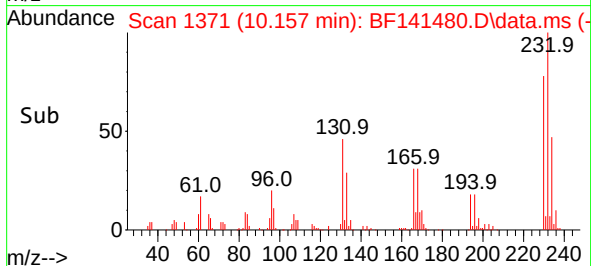
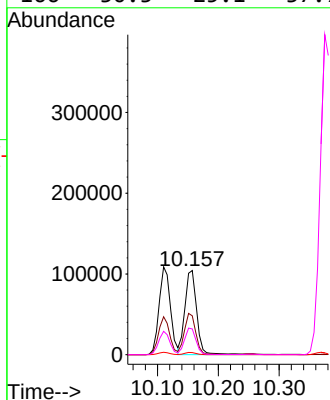


#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

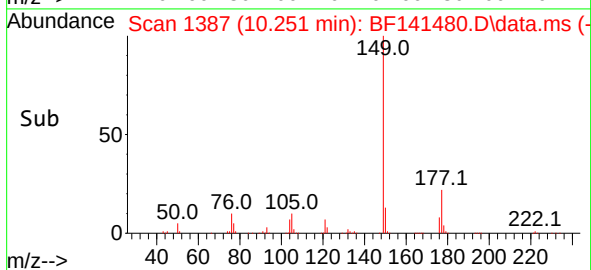
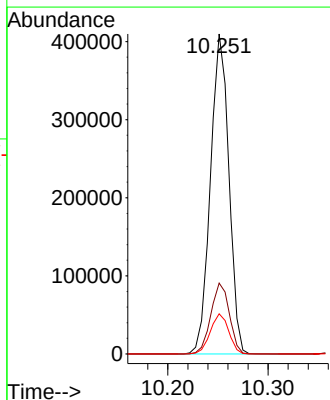
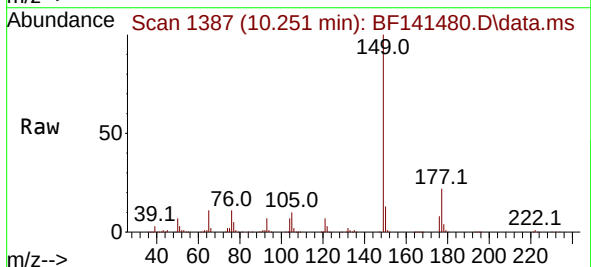


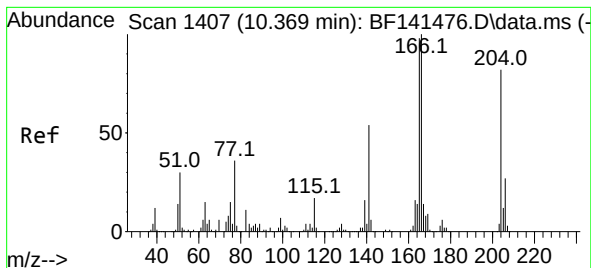
Tgt Ion:232 Resp: 139688
Ion Ratio Lower Upper
232 100
131 46.8 39.2 58.8
130 2.6 2.1 3.1
166 30.3 25.1 37.7



#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

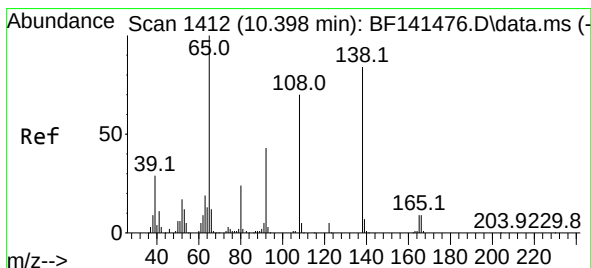
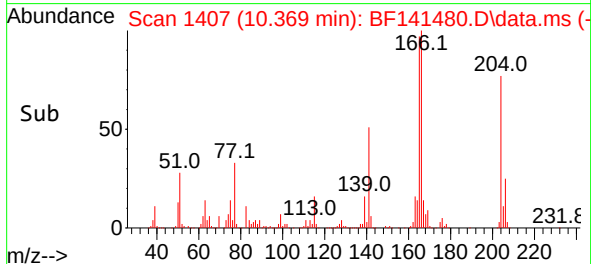
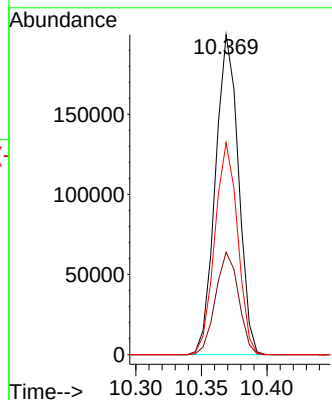
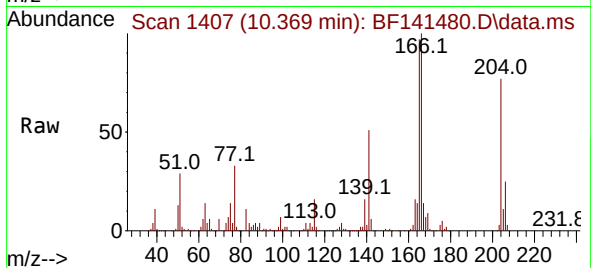




#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

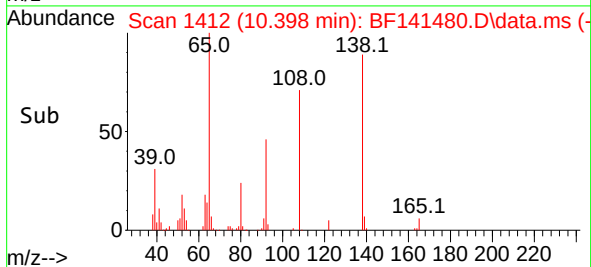
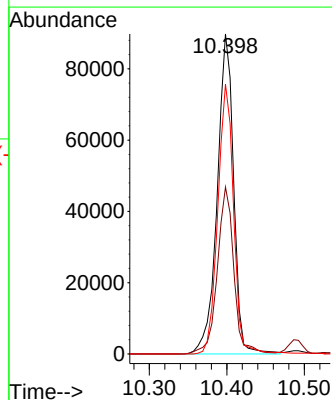
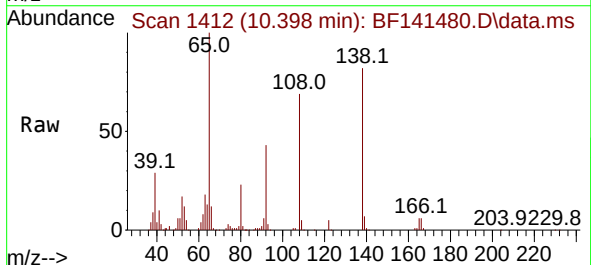
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

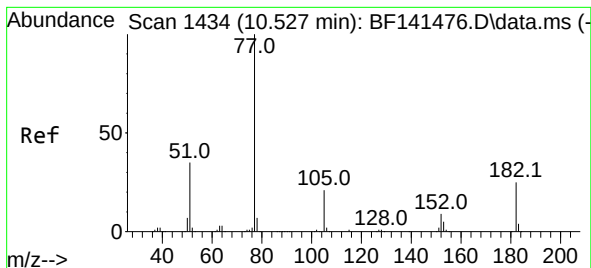
Tgt Ion:204 Resp: 243659
Ion Ratio Lower Upper
204 100
206 32.1 26.6 40.0
141 66.2 51.9 77.9



#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

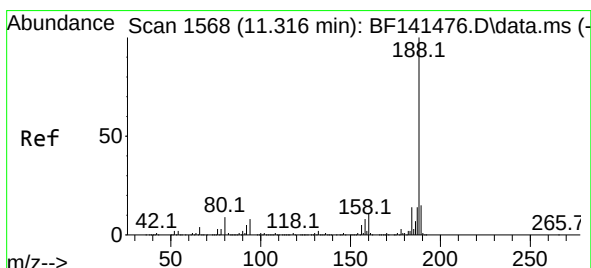
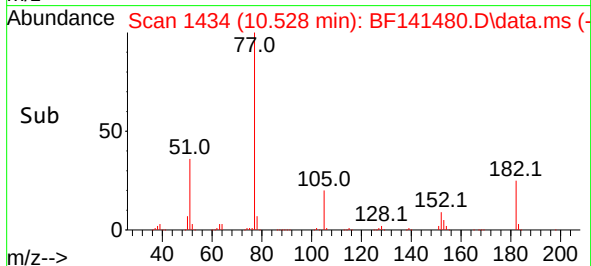
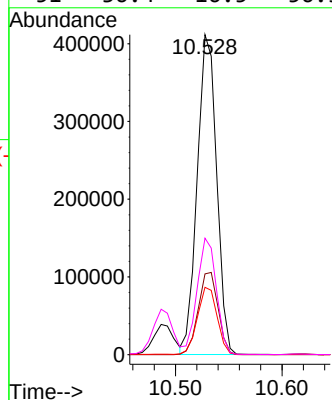
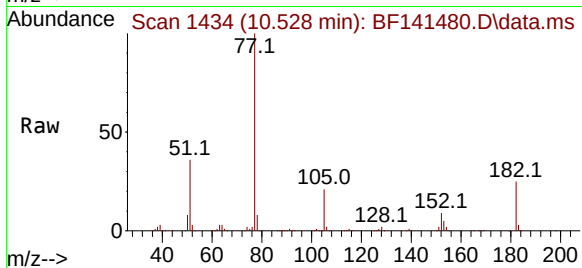
Ion Ratio Lower Upper

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

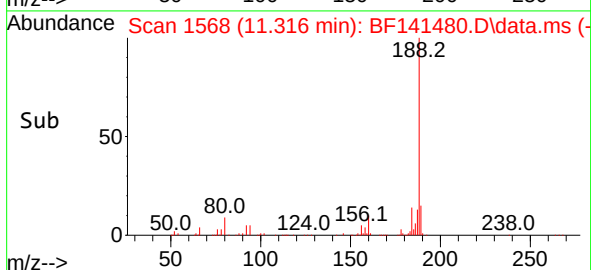
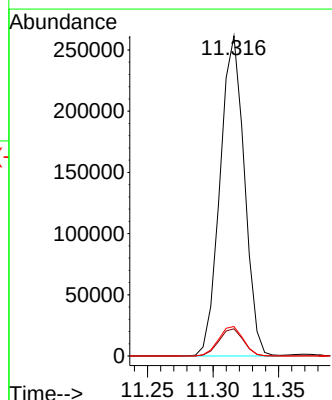
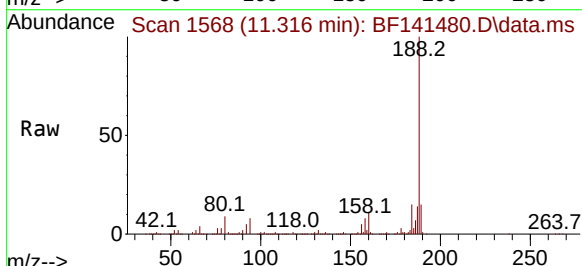
Tgt Ion: 188 Resp: 337289

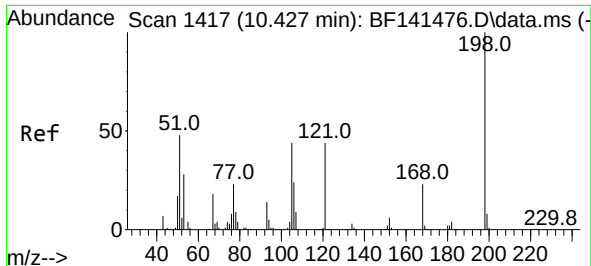
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.2 7.3 10.9

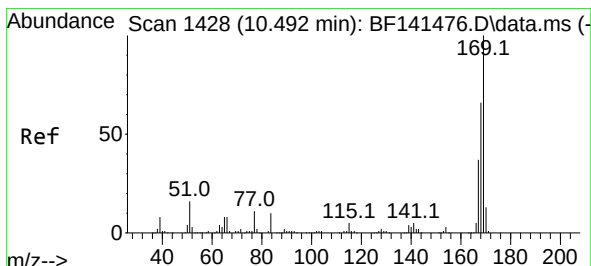
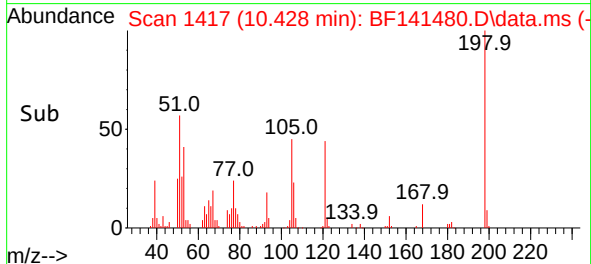
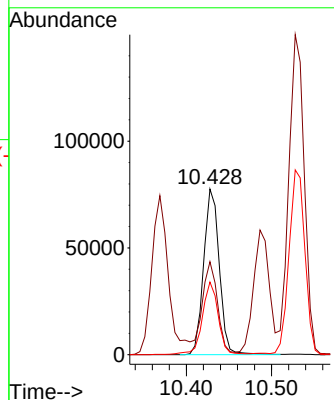
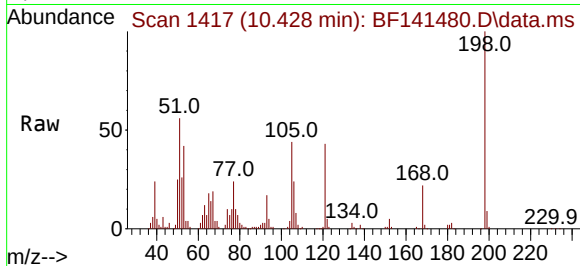




#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

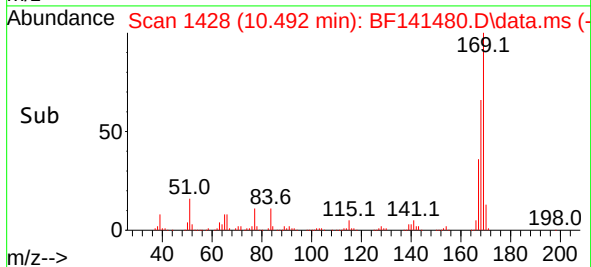
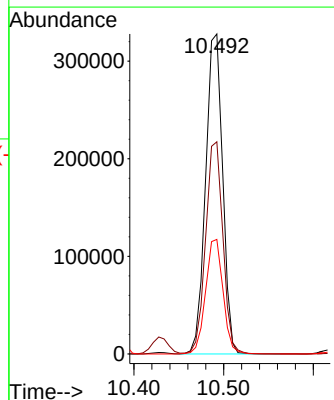
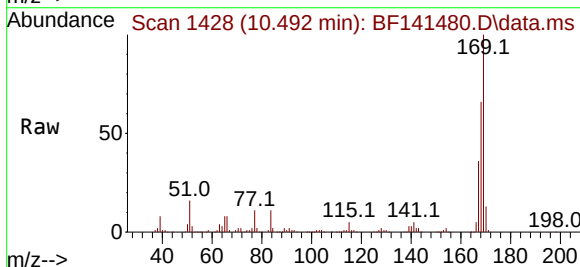
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

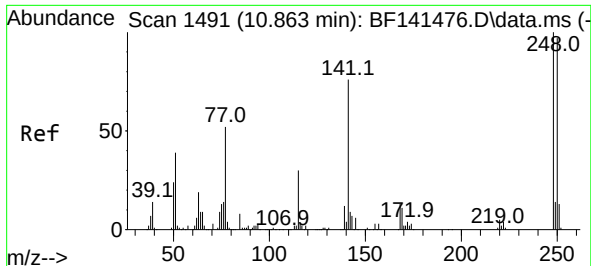
Tgt Ion:198	Resp:	98944
Ion	Ratio	Lower Upper
198	100	
51	56.2	37.4 77.4
105	43.9	25.2 65.2



#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:169	Resp:	432307
Ion	Ratio	Lower Upper
169	100	
168	66.3	53.3 79.9
167	35.8	29.4 44.2

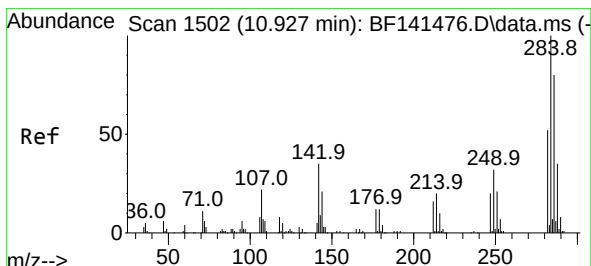
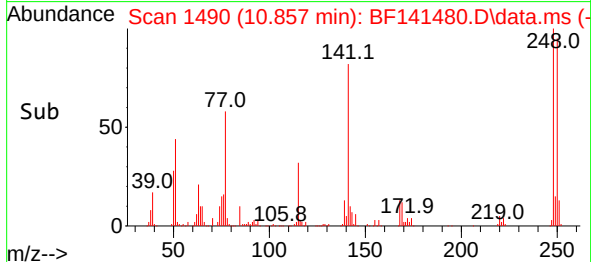
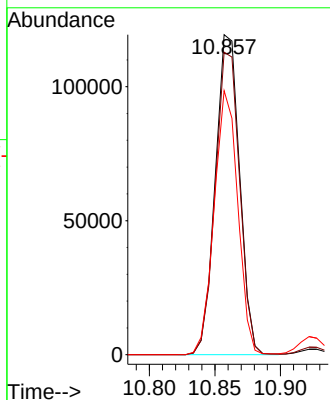
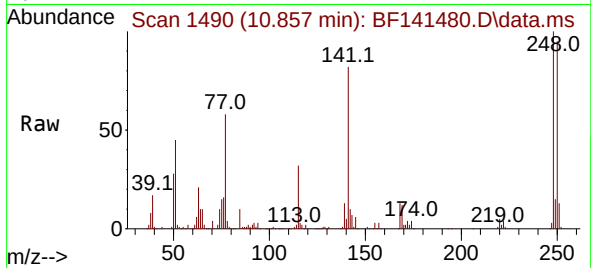




#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

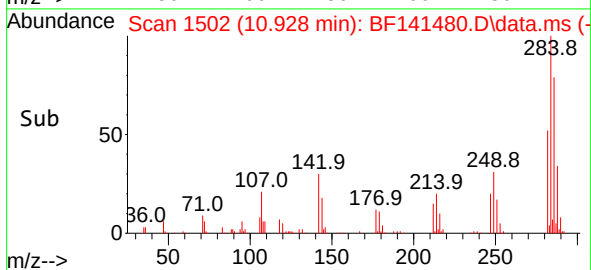
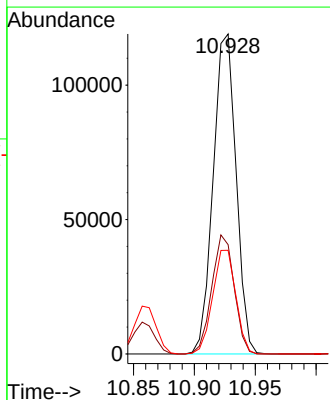
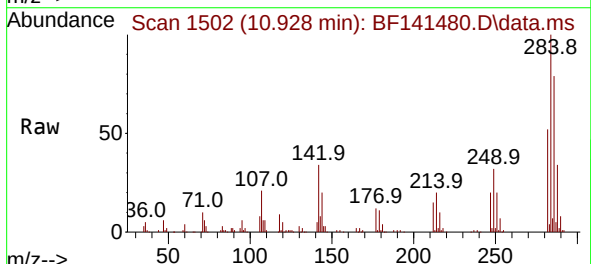
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

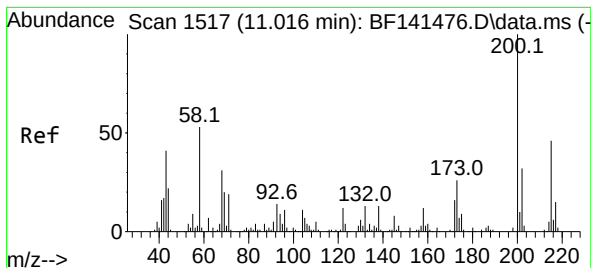
Tgt Ion:248 Resp: 154044
Ion Ratio Lower Upper
248 100
250 94.5 77.8 116.6
141 82.5 60.6 90.8



#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# 1

Delta R.T. -0.005 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

ICVBF020625

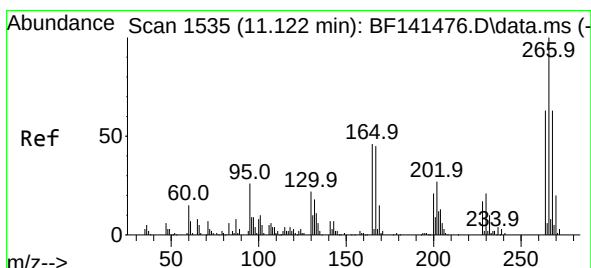
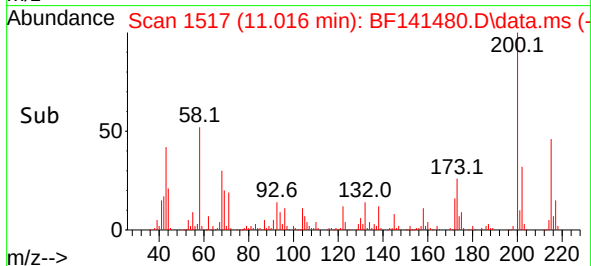
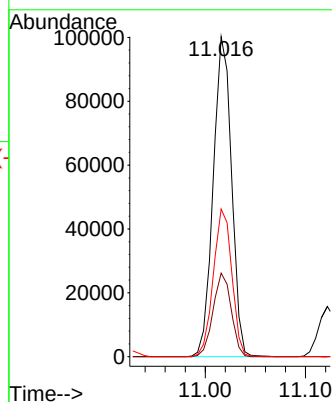
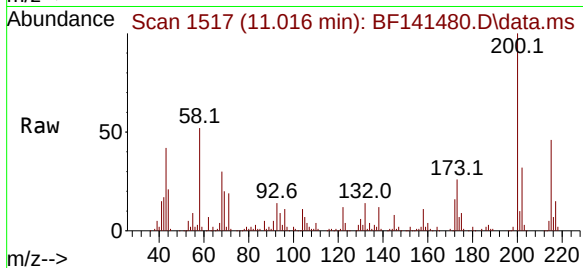
Tgt Ion:200 Resp: 127486

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

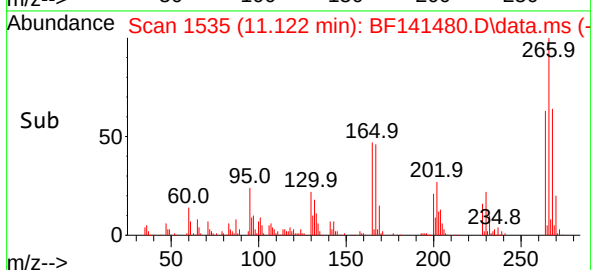
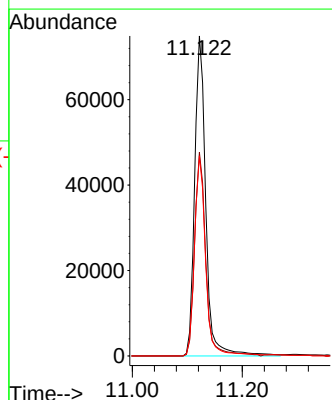
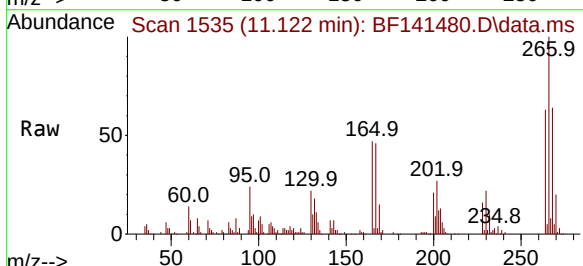
Tgt Ion:266 Resp: 105427

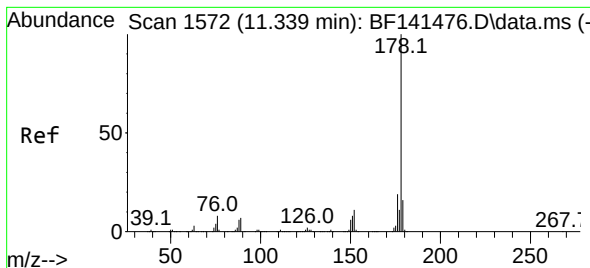
Ion Ratio Lower Upper

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

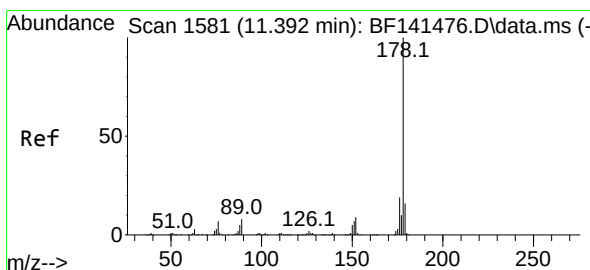
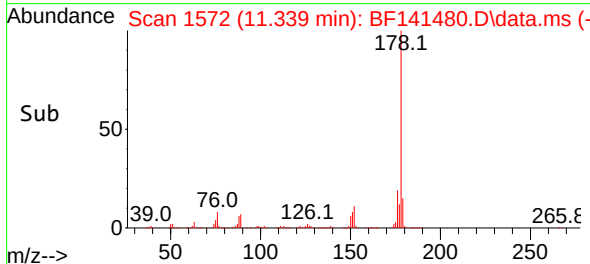
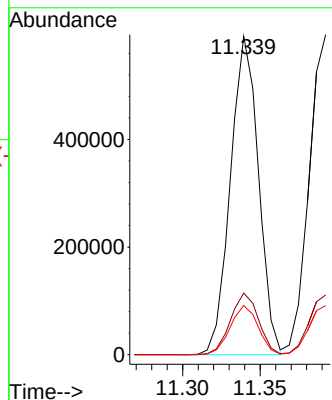
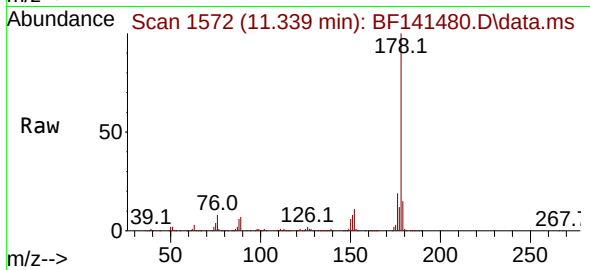
Tgt Ion:178 Resp: 744761

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

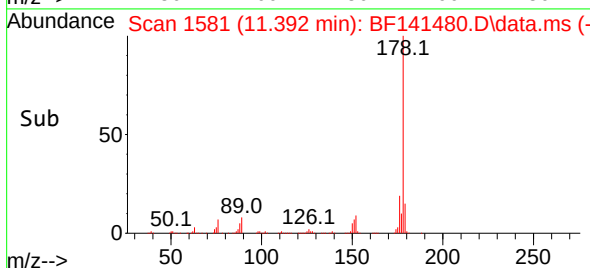
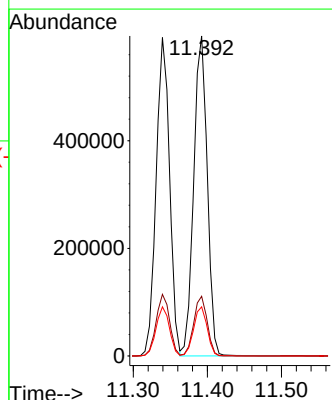
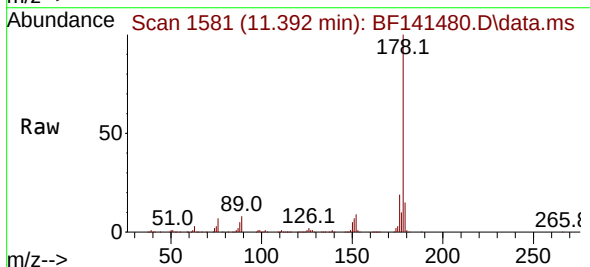
Tgt Ion:178 Resp: 753295

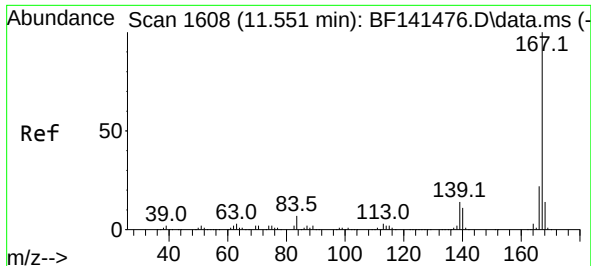
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

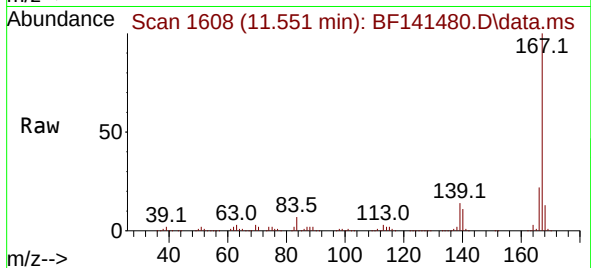
179 15.3 12.4 18.6



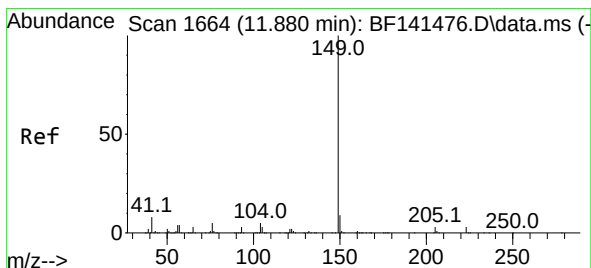
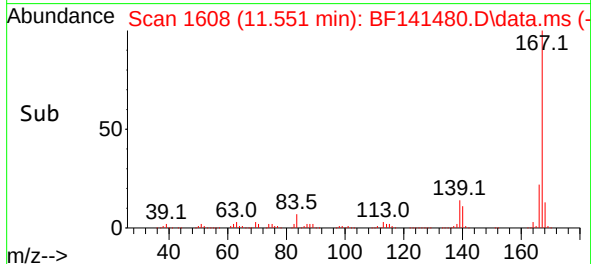
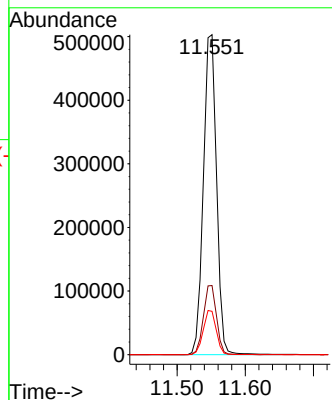


#73
 Carbazole
 Concen: 40.267 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141480.D
 Acq: 06 Feb 2025 15:03

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF020625

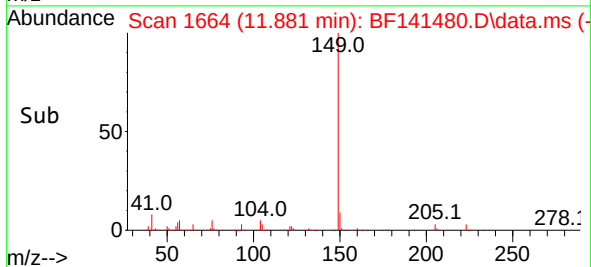
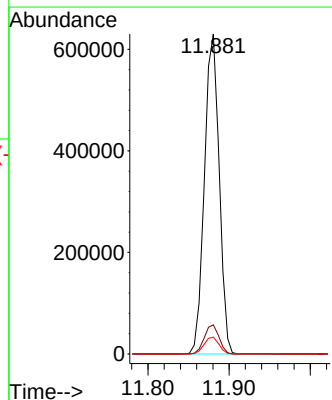
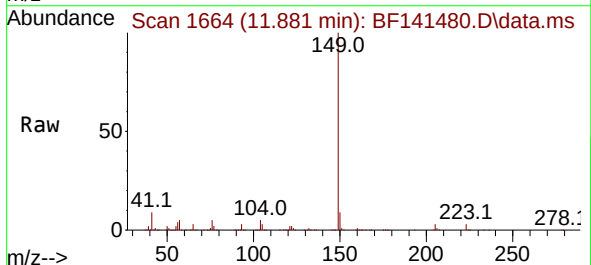


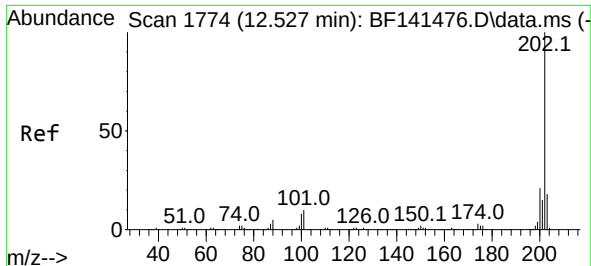
Tgt Ion:167 Resp: 676218
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 13.6 10.9 16.3



#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

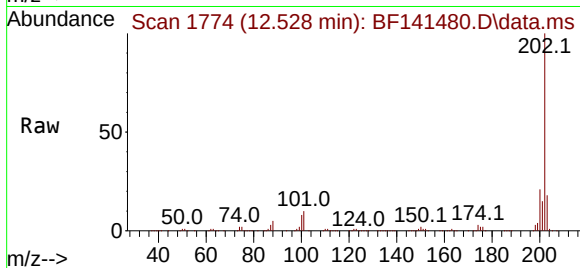
Tgt Ion:149 Resp: 794101
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.2 4.2 6.2



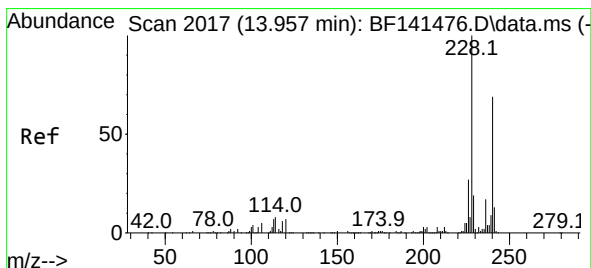
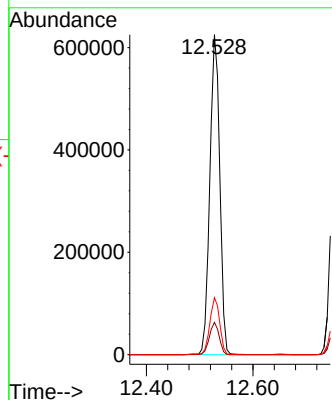
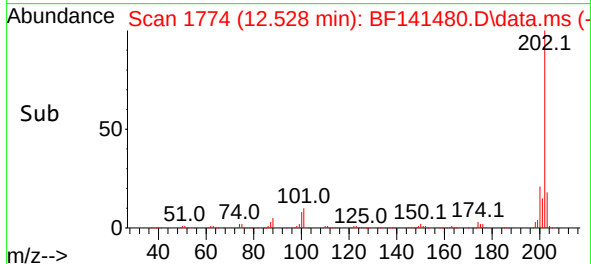


#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

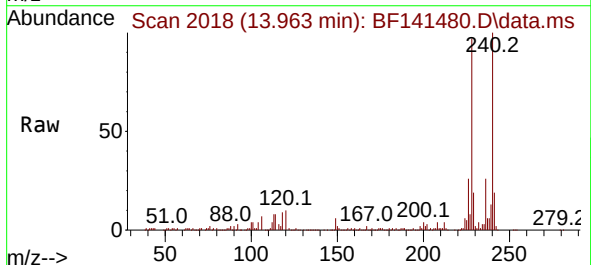
Instrument :
BNA_F
ClientSampleId :
ICVBF020625



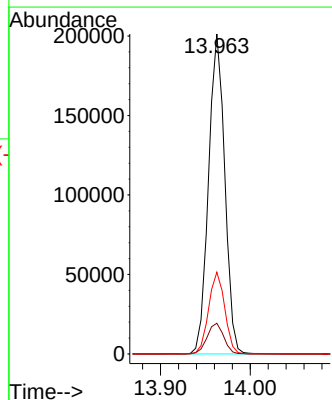
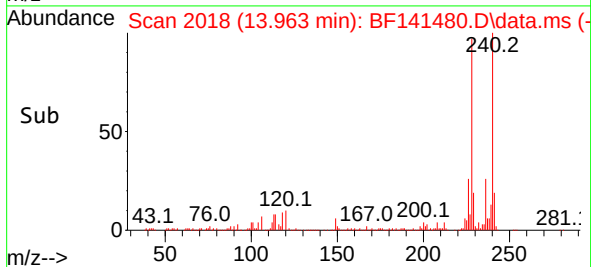
Tgt Ion:202 Resp: 807256
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.8 0.0 37.6

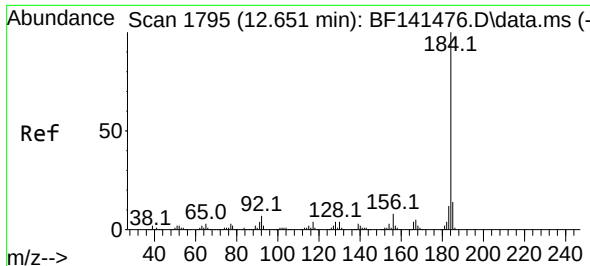


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03



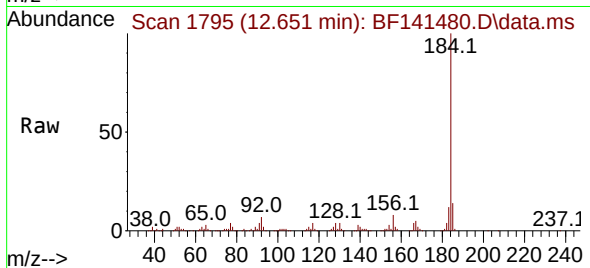
Tgt Ion:240 Resp: 252530
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.6 19.8 29.8



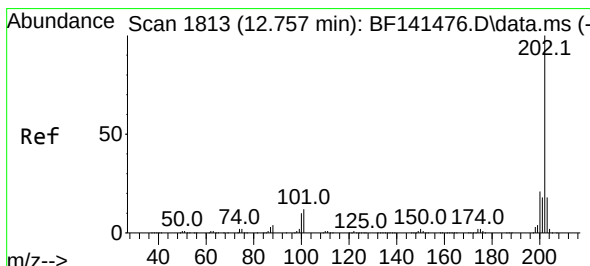
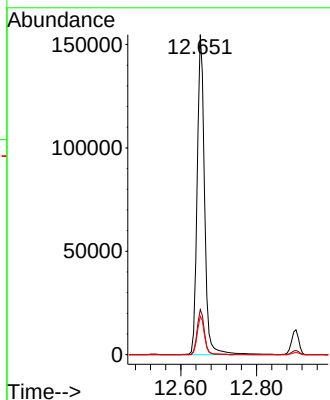
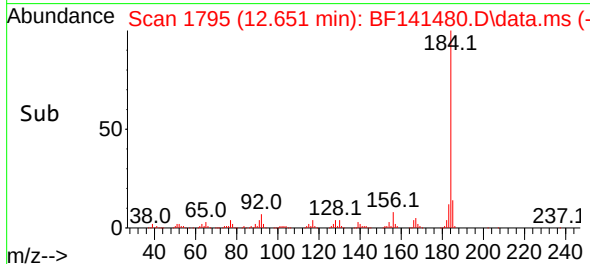


#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

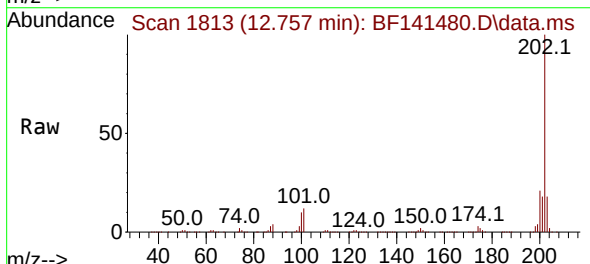
Instrument :
BNA_F
ClientSampleId :
ICVBF020625



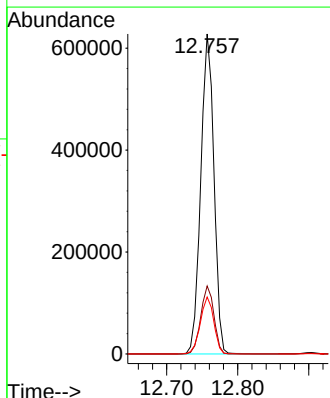
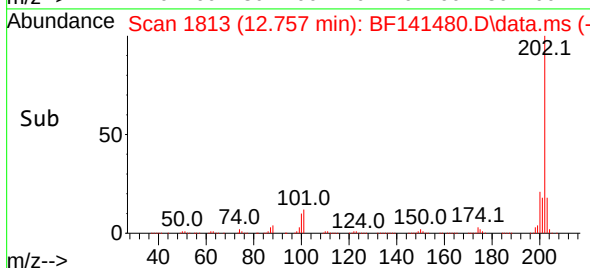
Tgt Ion:184 Resp: 211734
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.0 9.3 13.9

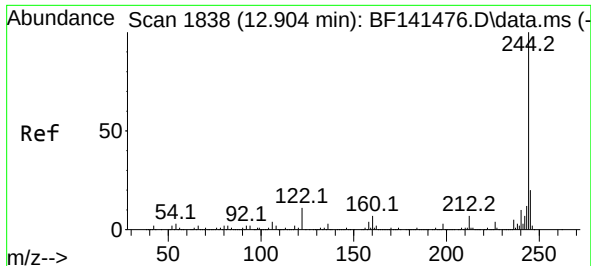


#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03



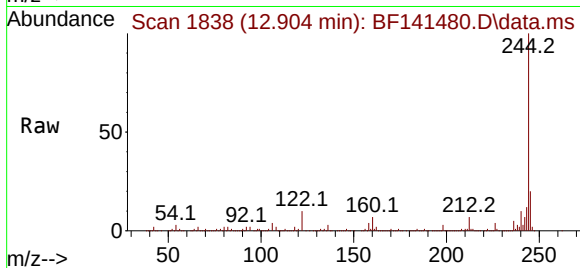
Tgt Ion:202 Resp: 812250
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.8 14.3 21.5



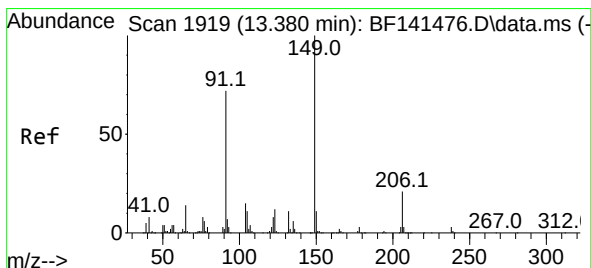
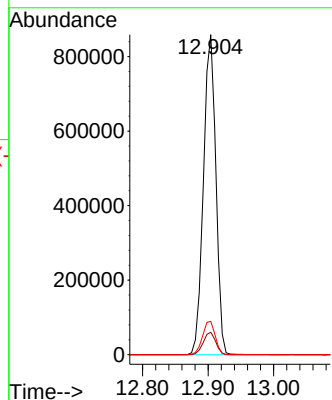
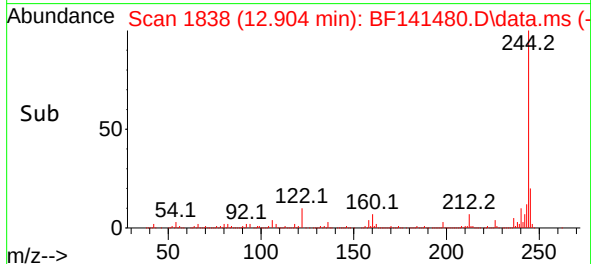


#79
Terphenyl-d14
Concen: 75.750 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

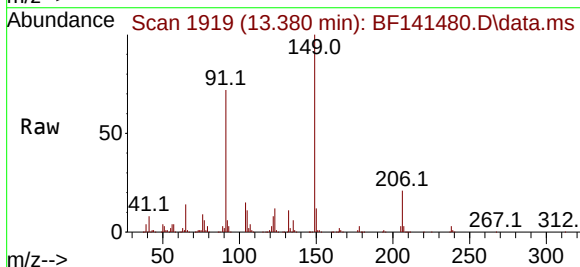
Instrument :
BNA_F
ClientSampleId :
ICVBF020625



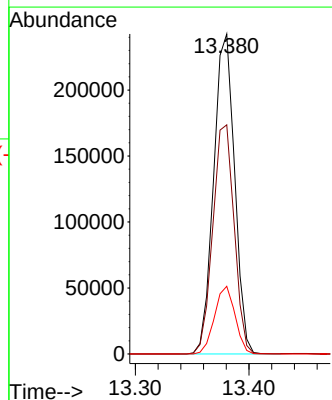
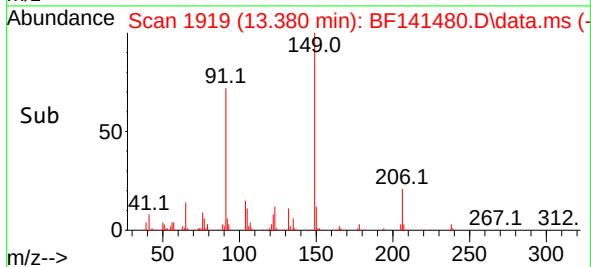
Tgt Ion:244 Resp: 1133126
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.4 8.4 12.6

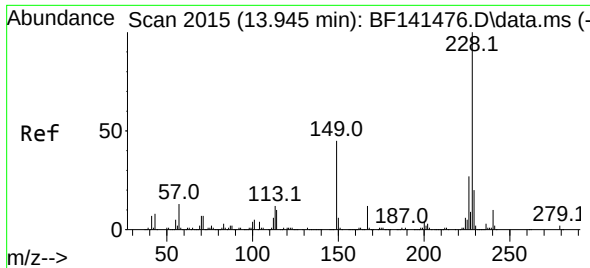


#80
Butylbenzylphthalate
Concen: 41.781 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03



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

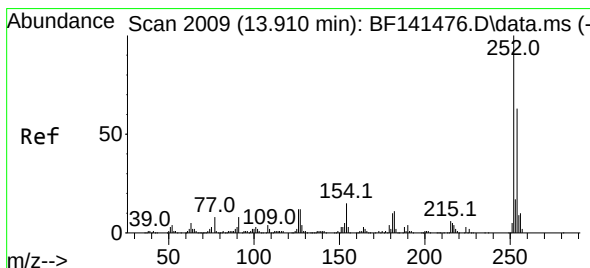
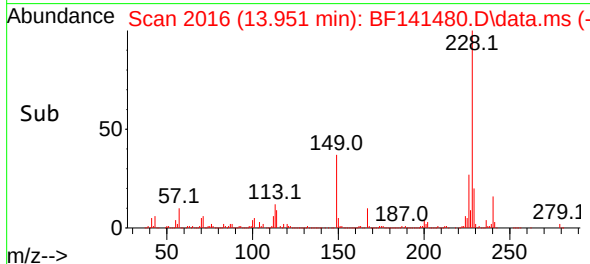
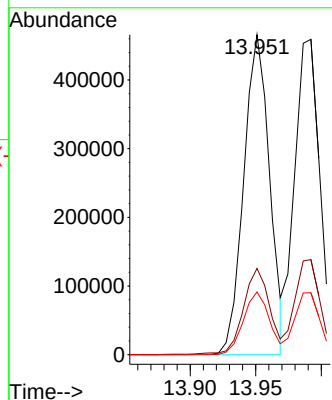
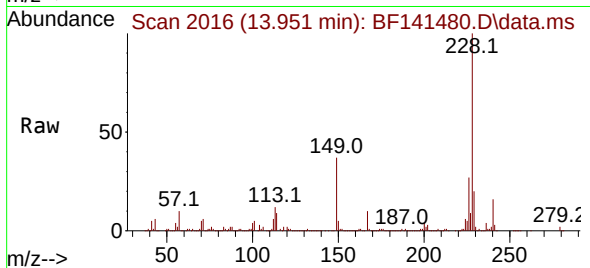




#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

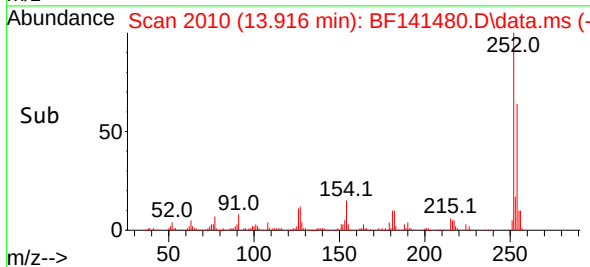
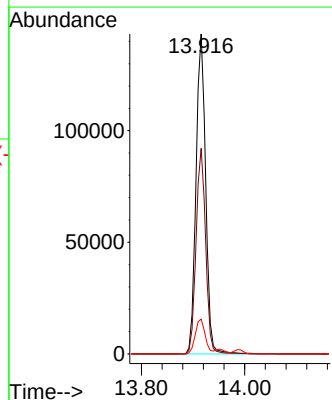
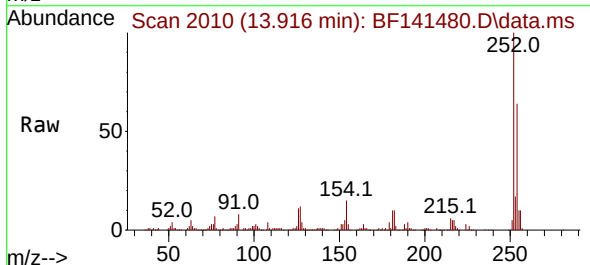
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

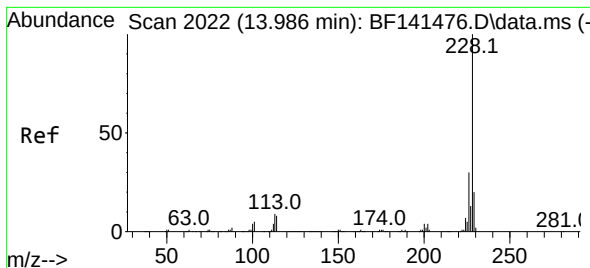
Tgt Ion:228 Resp: 638036
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.6 15.8 23.6



#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

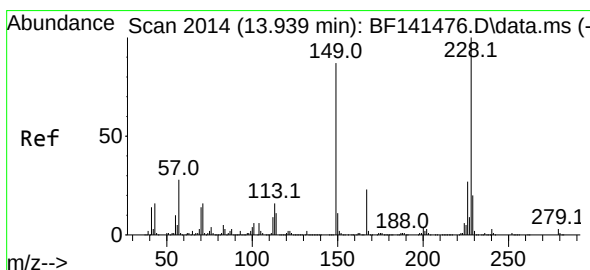
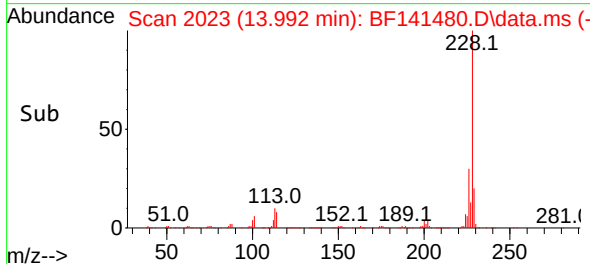
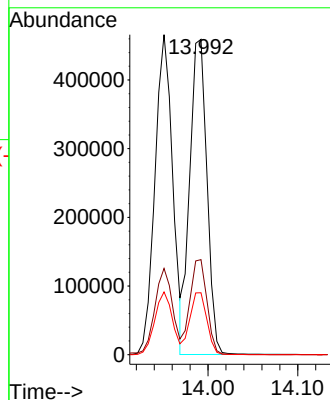
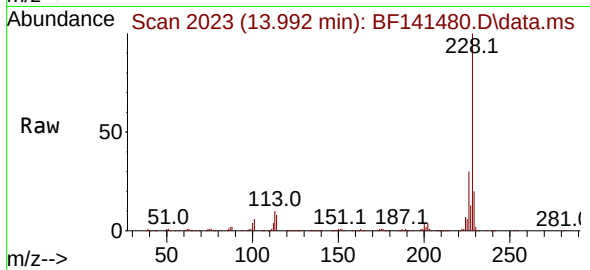
Tgt Ion:228 Resp: 610091

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

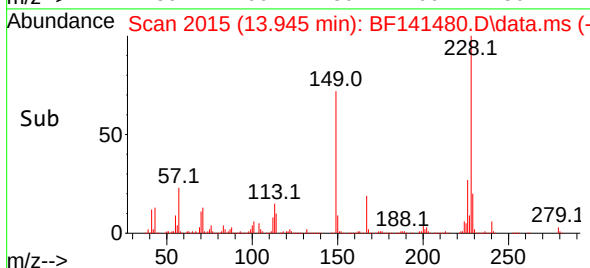
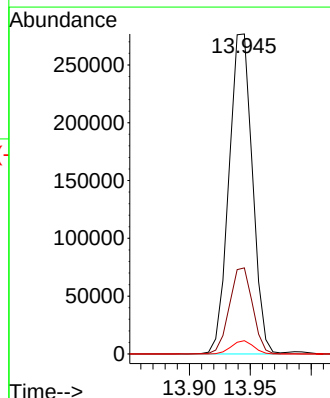
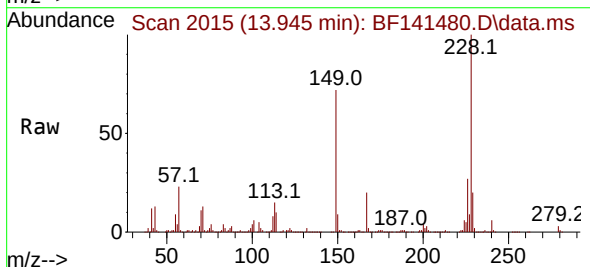
Tgt Ion:149 Resp: 371434

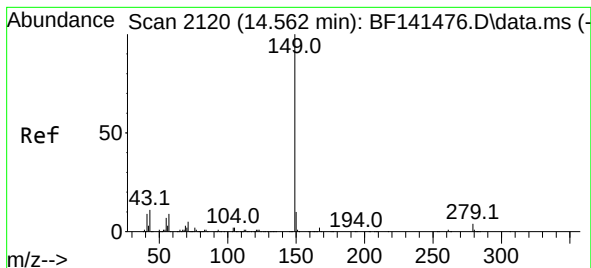
Ion Ratio Lower Upper

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

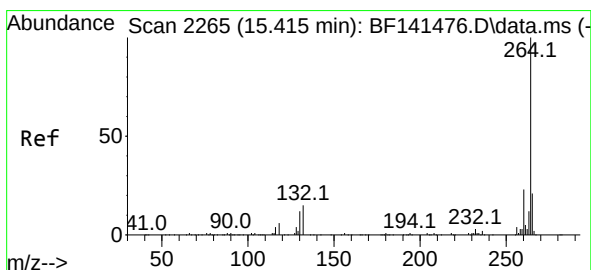
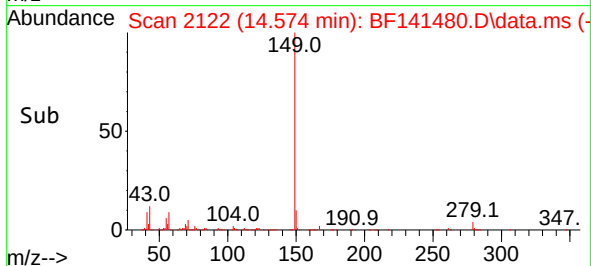
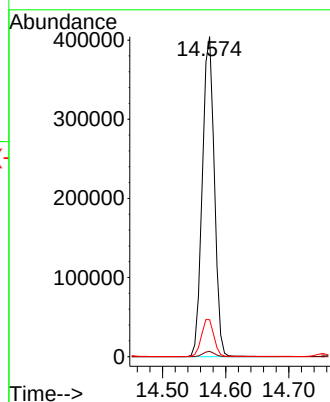
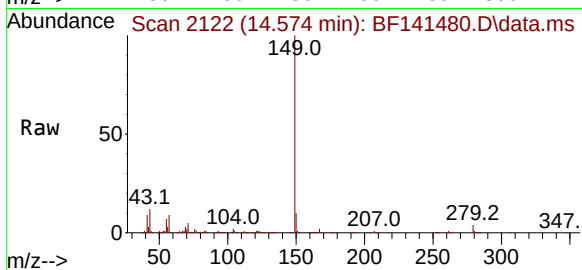
Tgt Ion:149 Resp: 534947

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

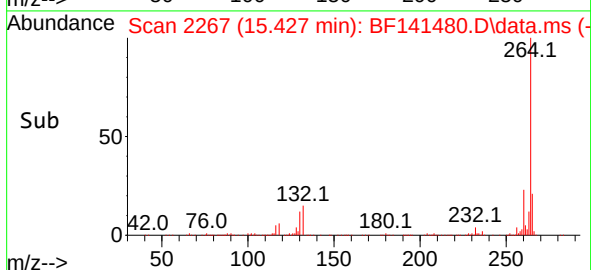
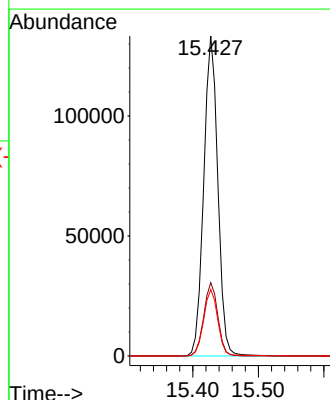
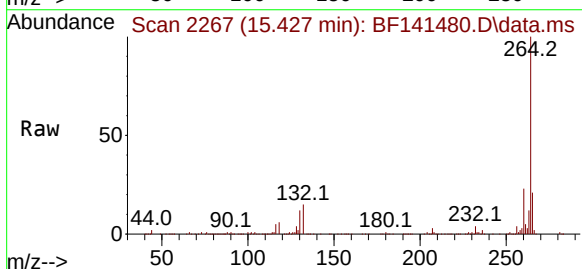
Tgt Ion:264 Resp: 199389

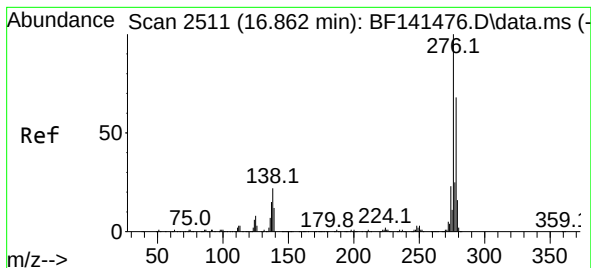
Ion Ratio Lower Upper

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

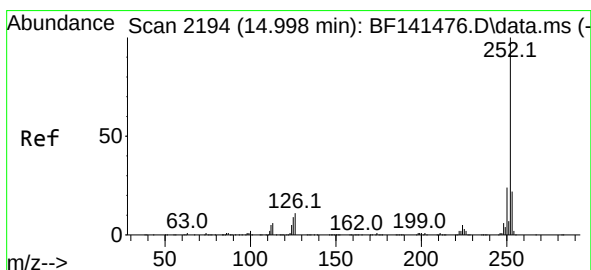
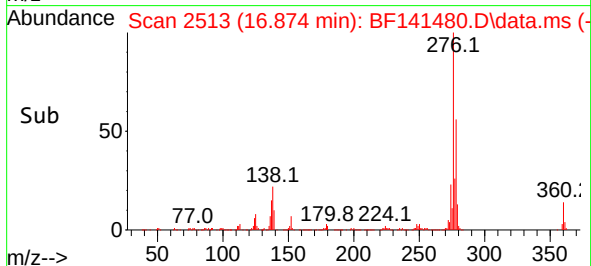
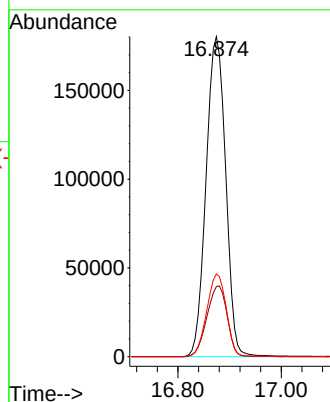
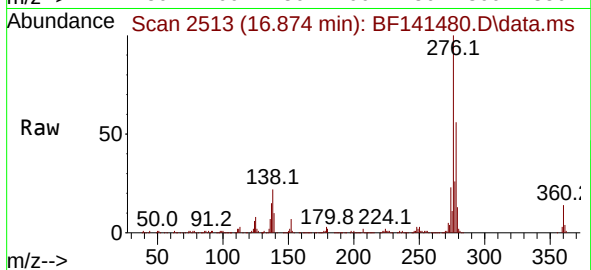
Tgt Ion:276 Resp: 474949

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

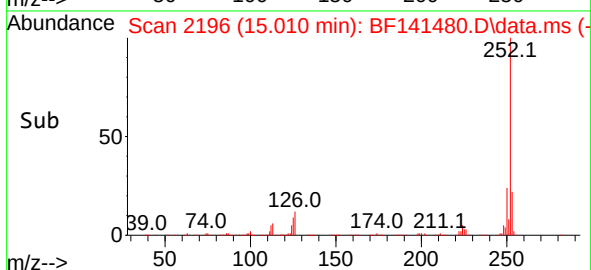
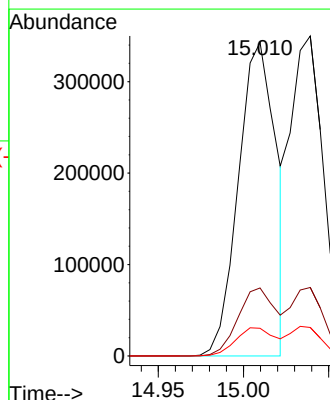
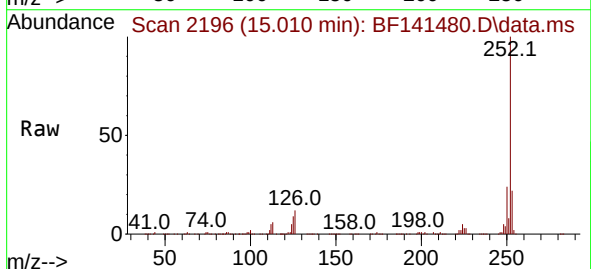
Tgt Ion:252 Resp: 526847

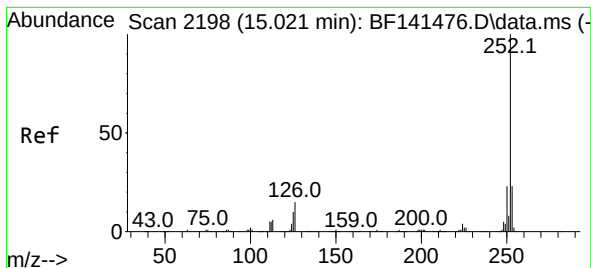
Ion Ratio Lower Upper

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

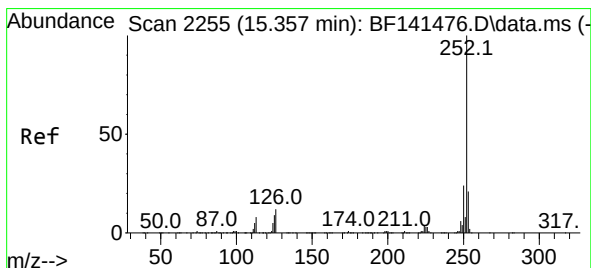
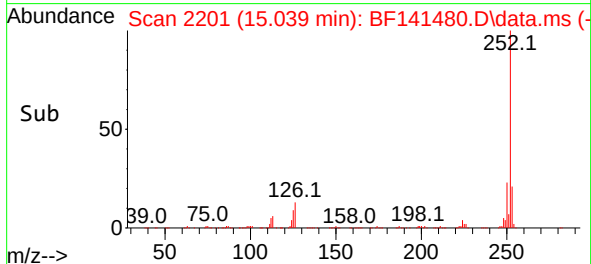
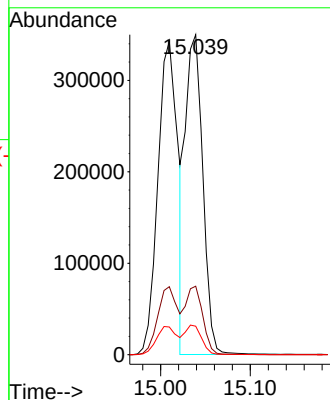
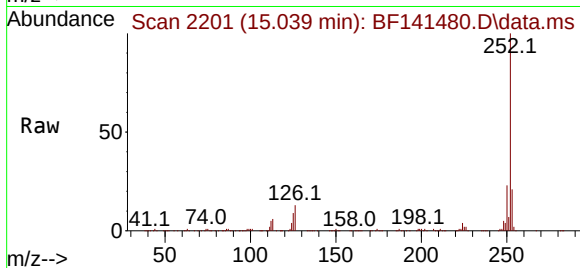
Tgt Ion:252 Resp: 470794

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

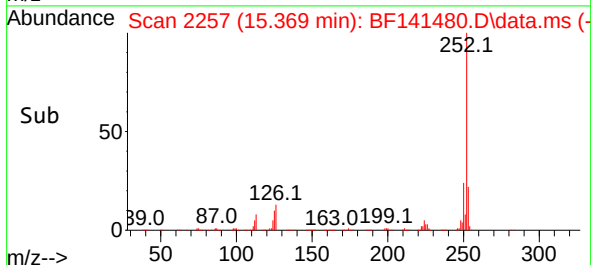
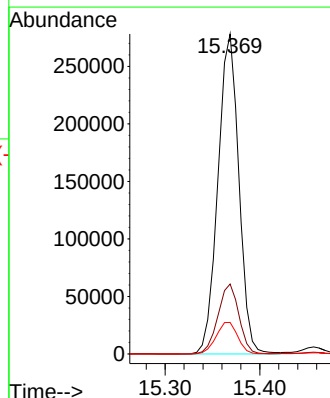
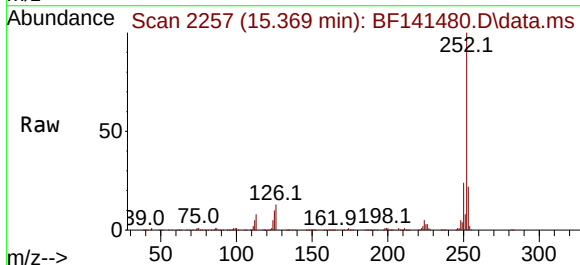
Tgt Ion:252 Resp: 427462

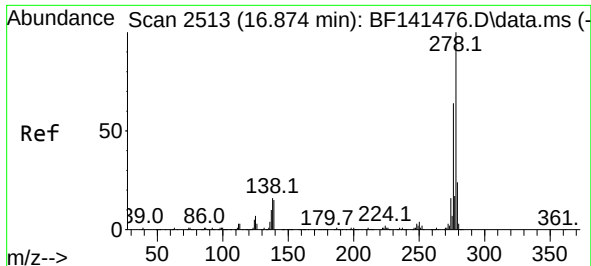
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 9.9 7.4 11.2

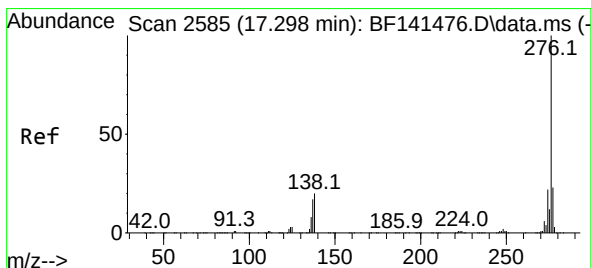
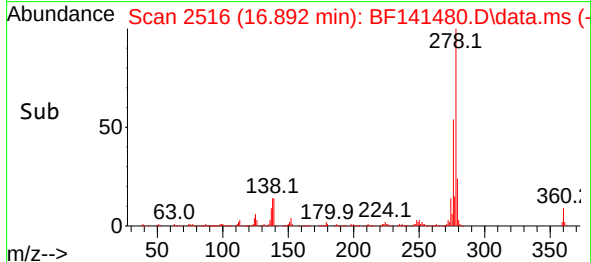
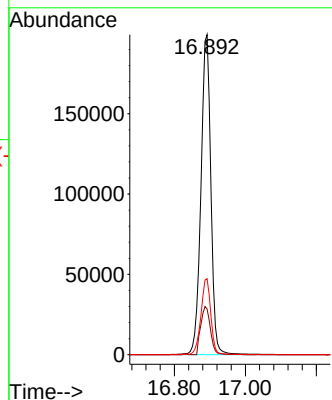
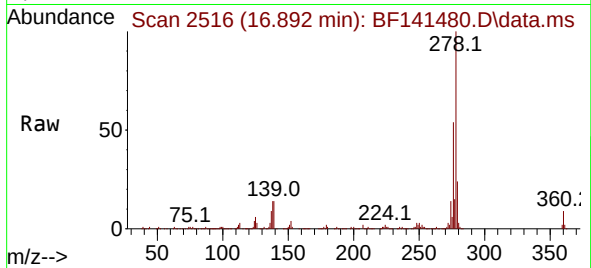




#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

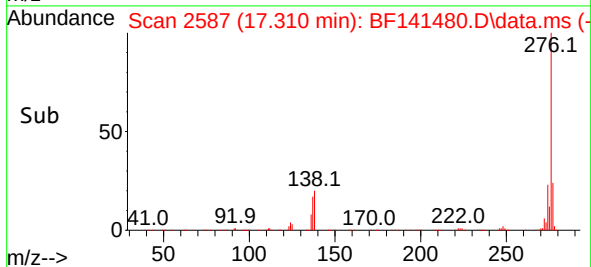
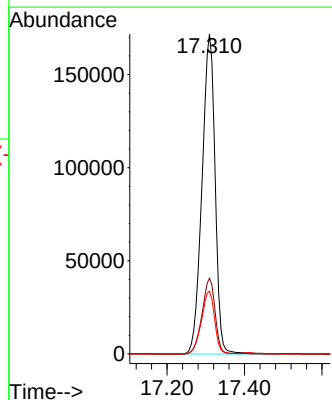
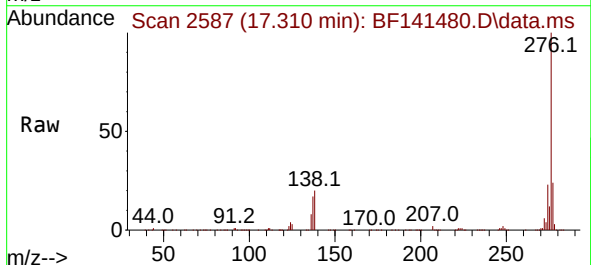
Instrument :
BNA_F
ClientSampleId :
ICVBF020625

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	Benzydine	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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

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
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	0.893		-7.0	
Phenol-d6	1.657	1.560		-5.9	
Phenol	1.757	1.650		-6.1	20.0
bis(2-Chloroethyl)ether	1.347	1.262		-6.3	
2-Chlorophenol	1.396	1.387		-0.6	
2-Methylphenol	1.135	1.074		-5.4	
2,2-oxybis(1-Chloropropane)	2.342	2.108		-10.0	
Acetophenone	0.475	0.491		3.4	
3+4-Methylphenols	1.393	1.375		-1.3	
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Isophorone	0.656	0.643		-2.0	
2-Nitrophenol	0.185	0.185		0.0	20.0
2,4-Dimethylphenol	0.236	0.230		-2.5	
bis(2-Chloroethoxy)methane	0.418	0.403		-3.6	
2,4-Dichlorophenol	0.289	0.296		2.4	20.0
Naphthalene	1.057	1.061		0.4	
4-Chloroaniline	0.358	0.347		-3.1	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.325		4.8	20.0
2-Methylnaphthalene	0.672	0.684		1.8	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
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	
1,1-Biphenyl	1.560	1.563		0.2	
2-Chloronaphthalene	1.216	1.209		-0.6	
2-Nitroaniline	0.382	0.390		2.1	
Dimethylphthalate	1.351	1.371		1.5	
Acenaphthylene	1.702	1.717		0.9	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.321		4.6	
Acenaphthene	1.216	1.256		3.3	20.0
2,4-Dinitrophenol	0.146	0.165	0.050	13.0	
4-Nitrophenol	0.225	0.257	0.050	14.2	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

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
Dibenzofuran	1.627	1.669		2.6	
2,4-Dinitrotoluene	0.406	0.441		8.6	
Diethylphthalate	1.310	1.374		4.9	
4-Chlorophenyl-phenylether	0.617	0.648		5.0	
Fluorene	1.262	1.306		3.5	
4-Nitroaniline	0.302	0.344		13.9	
4,6-Dinitro-2-methylphenol	0.118	0.137		16.1	
n-Nitrosodiphenylamine	0.647	0.634		-2.0	20.0
2,4,6-Tribromophenol	0.183	0.202		10.4	
4-Bromophenyl-phenylether	0.224	0.225		0.4	
Hexachlorobenzene	0.238	0.243		2.1	
Atrazine	0.216	0.214		-0.9	
Pentachlorophenol	0.139	0.161		15.8	20.0
Phenanthrene	1.075	1.109		3.2	
Anthracene	1.053	1.092		3.7	
Carbazole	0.934	1.029		10.1	
Di-n-butylphthalate	1.132	1.214		7.2	
Fluoranthene	1.062	1.240		16.8	20.0
Pyrene	1.920	1.729		-9.9	
Terphenyl-d14	1.297	1.200		-7.5	
Butylbenzylphthalate	0.671	0.691		3.0	
3,3-Dichlorobenzidine	0.439	0.412		-6.2	
Benzo (a) anthracene	1.380	1.305		-5.4	
Chrysene	1.265	1.270		0.4	
Bis (2-ethylhexyl) phthalate	0.851	0.910		6.9	
Di-n-octyl phthalate	1.321	1.415		7.1	20.0
Benzo (b) fluoranthene	1.258	1.341		6.6	
Benzo (k) fluoranthene	1.114	1.140		2.3	
Benzo (a) pyrene	1.063	1.072		0.8	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.338		3.6	
Dibenzo (a,h) anthracene	1.039	1.068		2.8	
Benzo (g,h,i) perylene	1.080	1.113		3.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.555		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.341		6.9	

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

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

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

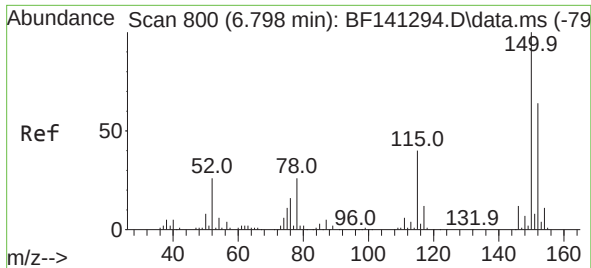
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

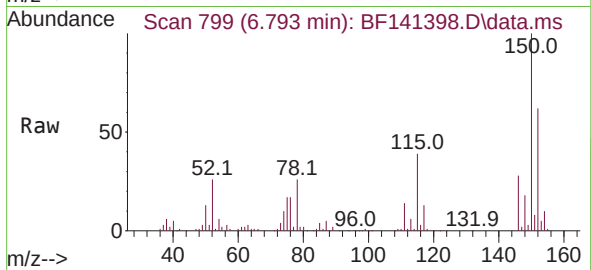
Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#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

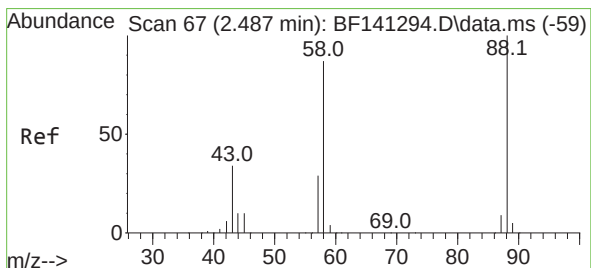
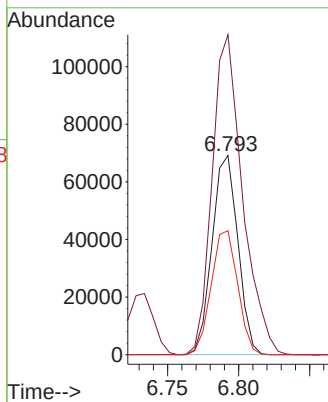
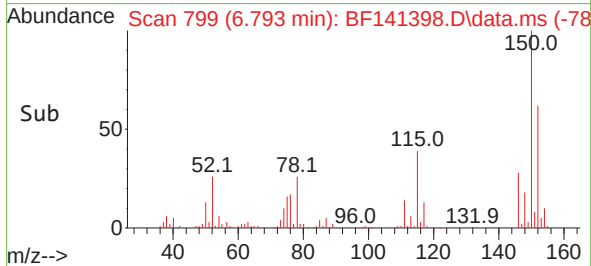
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



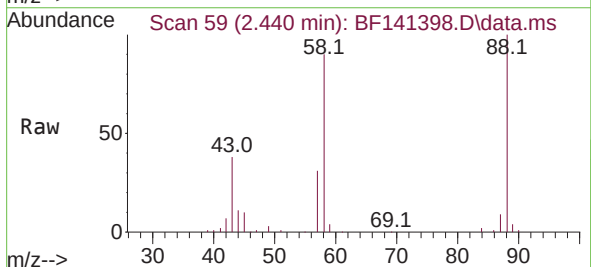
Tgt Ion:152 Resp: 87552
Ion Ratio Lower Upper
152 100
150 160.6 125.9 188.9
115 62.3 49.7 74.5

Manual Integrations
APPROVED

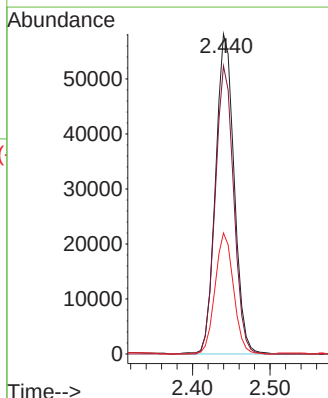
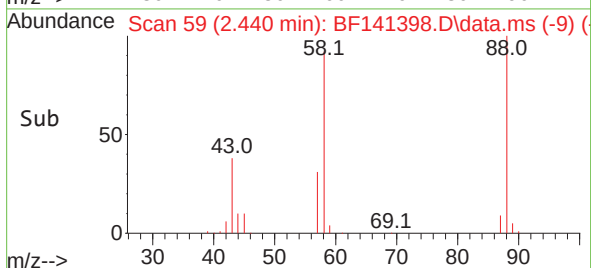
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

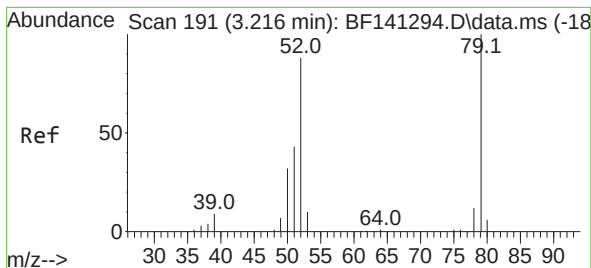


#2
1,4-Dioxane
Concen: 38.714 ng
RT: 2.440 min Scan# 59
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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

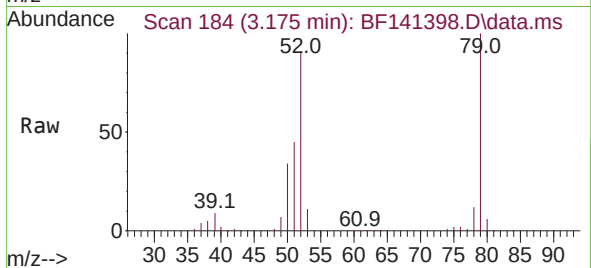
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79 Resp: 22240

Ion Ratio Lower Upper

79 100

52 91.1 70.3 105.5

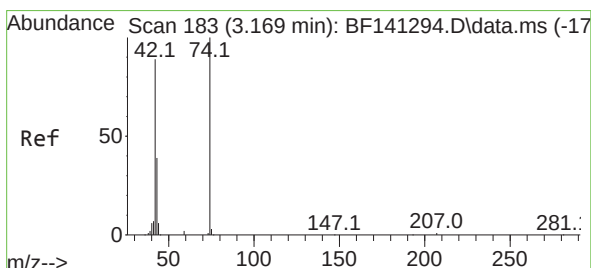
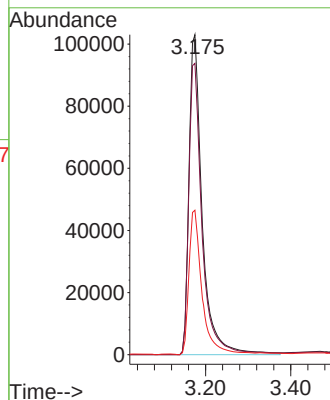
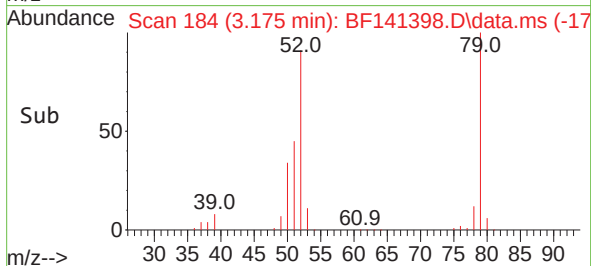
51 45.1 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#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

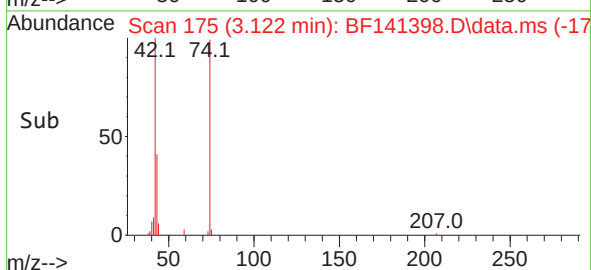
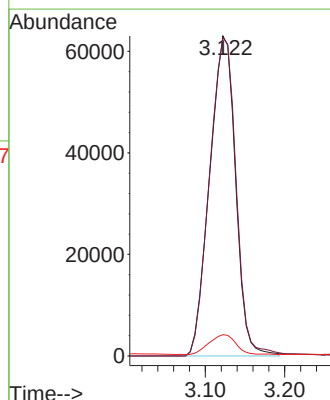
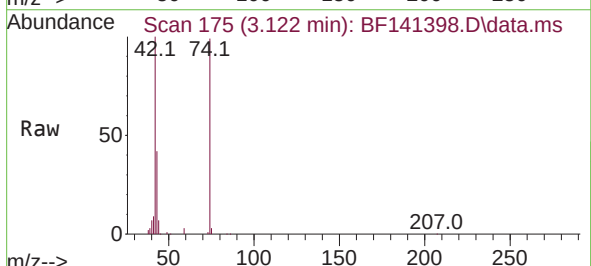
Tgt Ion: 42 Resp: 142862

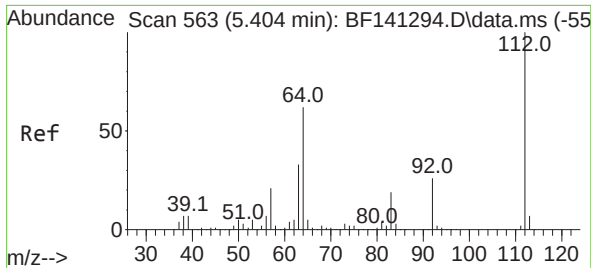
Ion Ratio Lower Upper

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

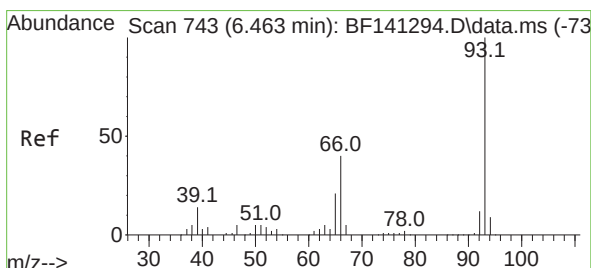
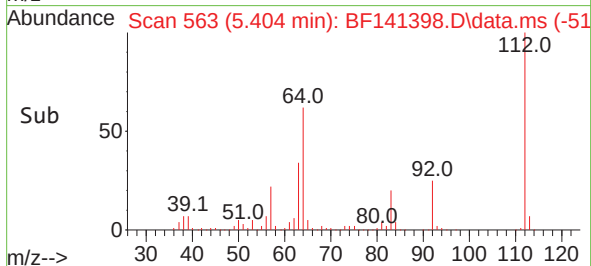
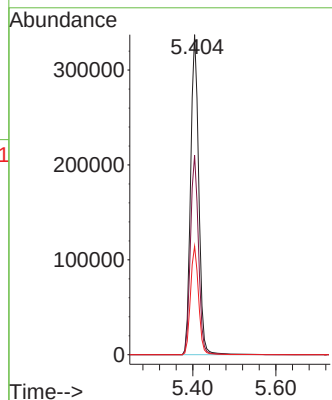
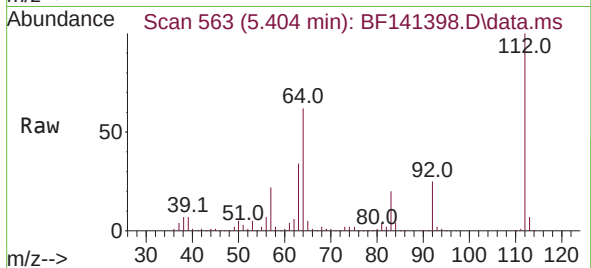
ClientSampleId :

SSTDC040

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

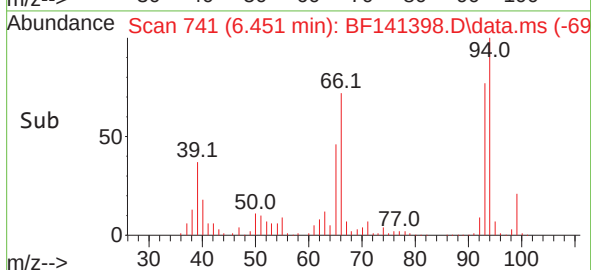
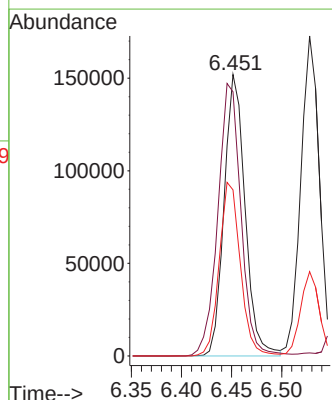
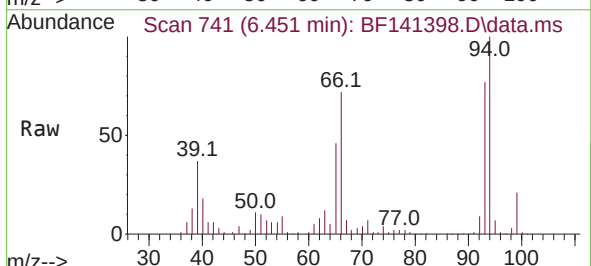
Manual Integrations
APPROVED

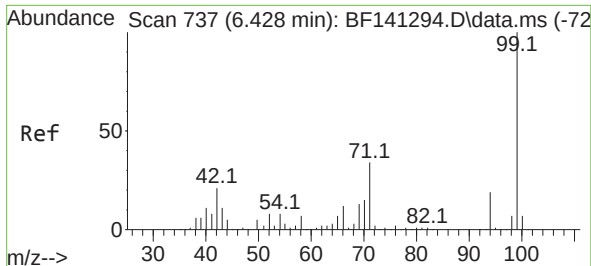
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

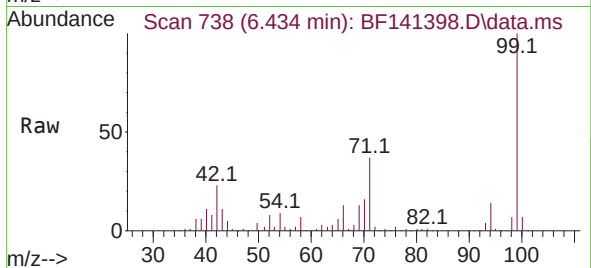
Tgt Ion: 93 Resp: 220322
Ion Ratio Lower Upper
93 100
66 93.9 32.5 48.7#
65 59.0 17.0 25.6#





#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

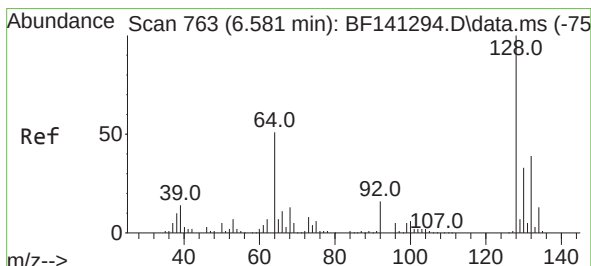
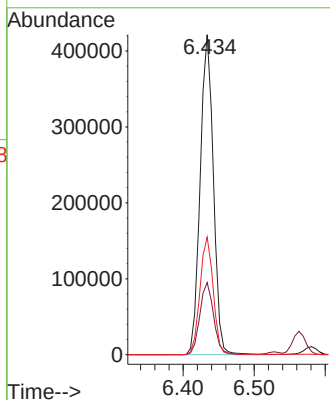
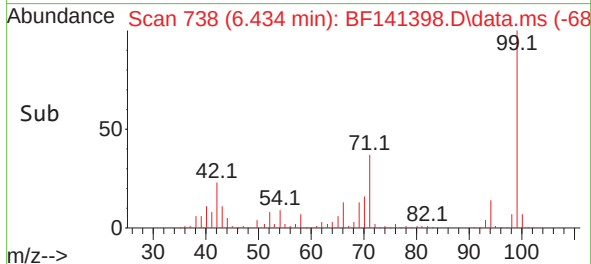
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



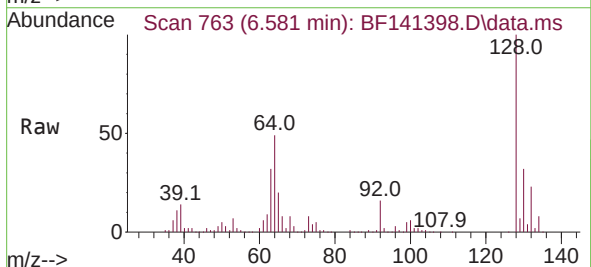
Tgt Ion: 99 Resp: 54645
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.7 26.9 40.3

Manual Integrations
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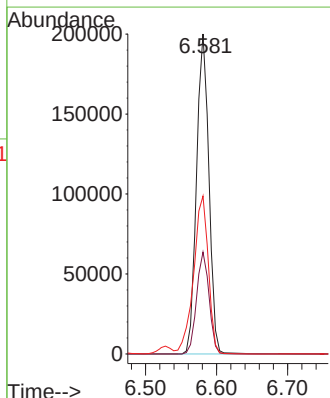
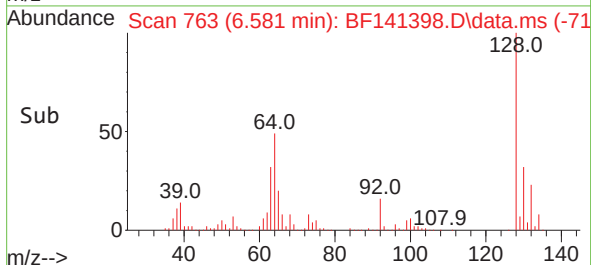
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

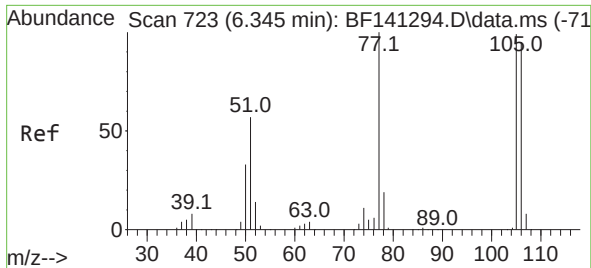


#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



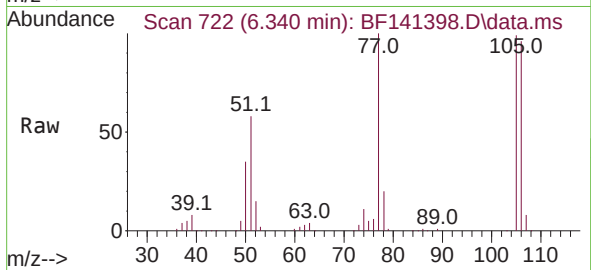
Tgt Ion:128 Resp: 242879
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 49.3 32.9 72.9





#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

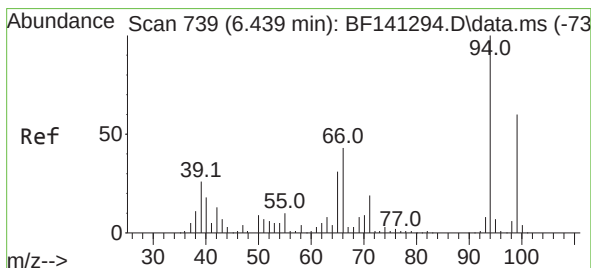
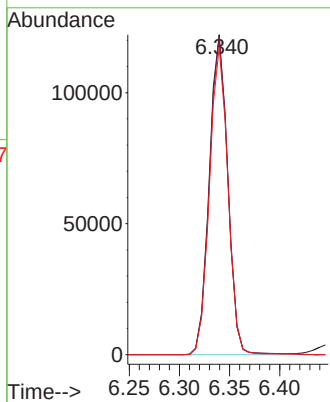
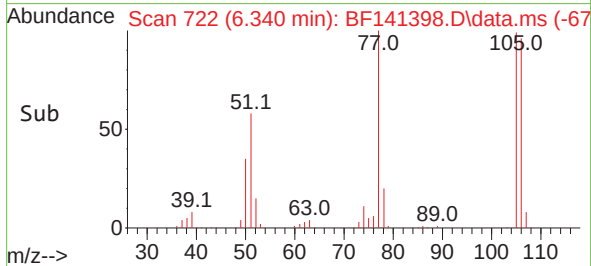
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



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

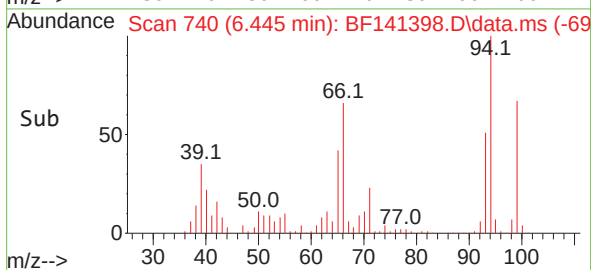
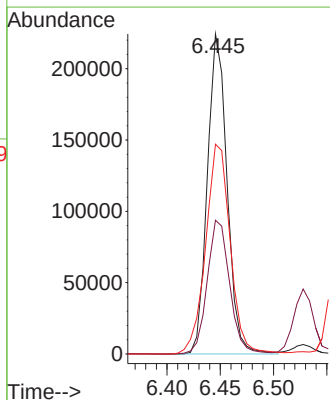
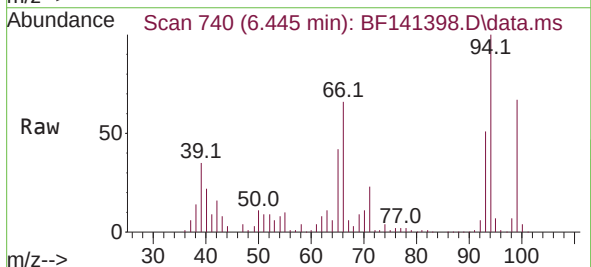
Manual Integrations
APPROVED

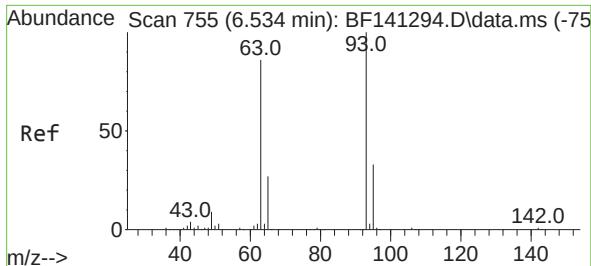
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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# 755
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

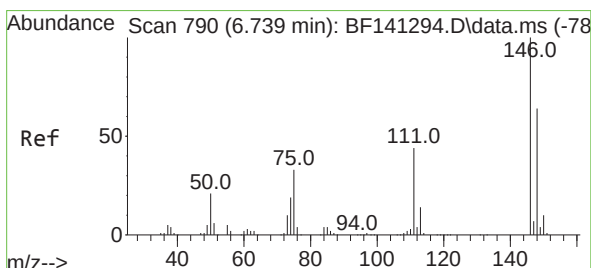
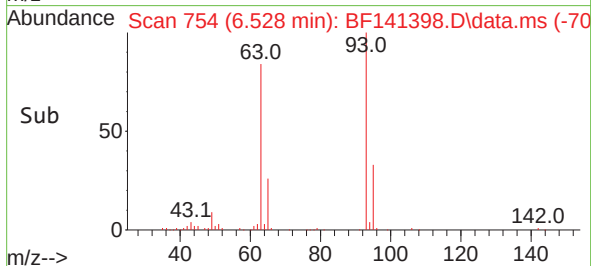
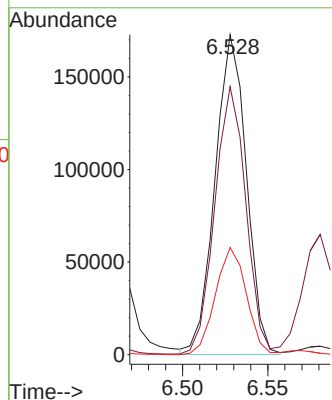
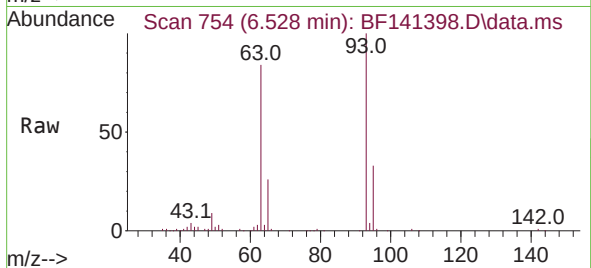
ClientSampleId :

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

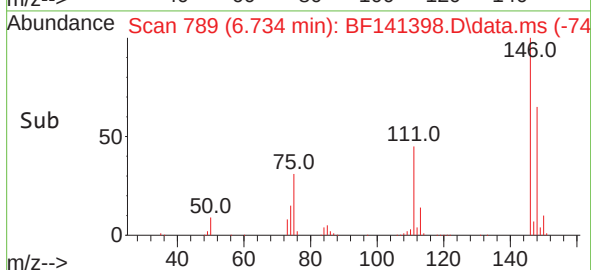
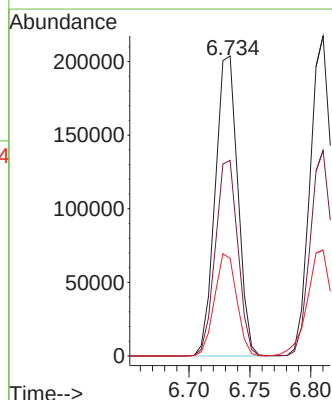
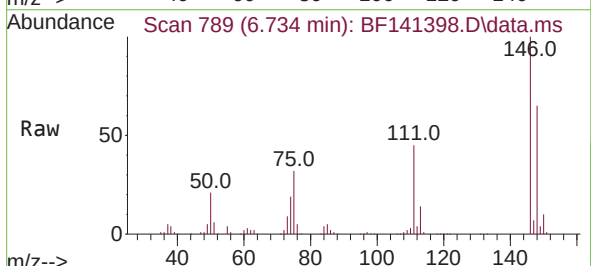
Manual Integrations
APPROVED

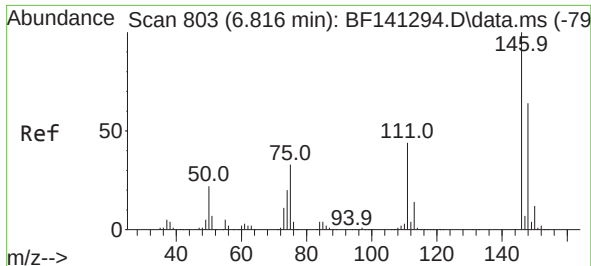
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

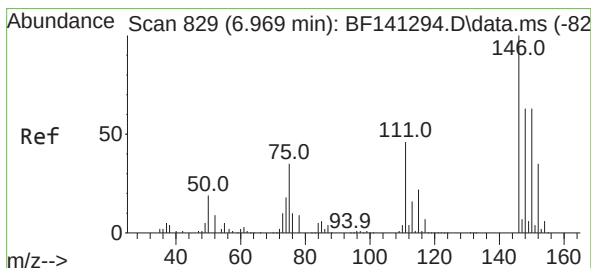
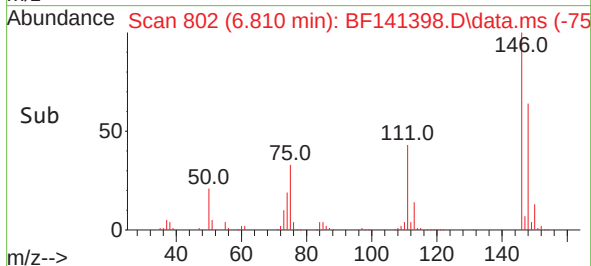
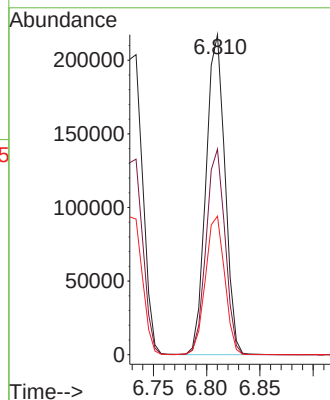
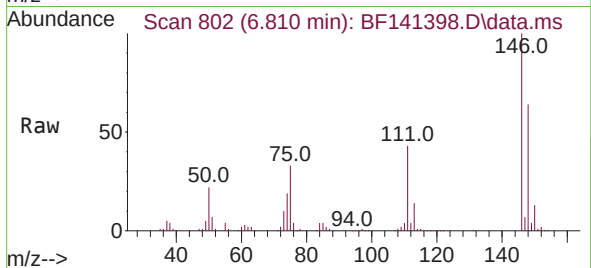
111 43.3 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#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

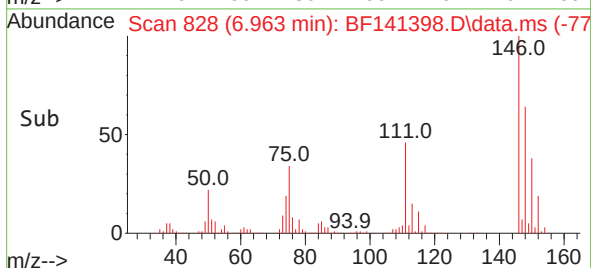
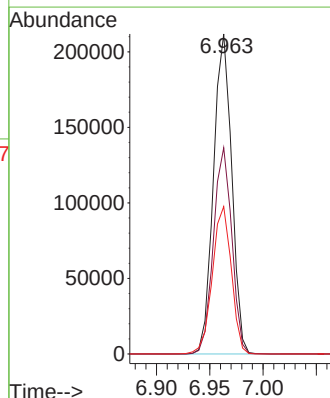
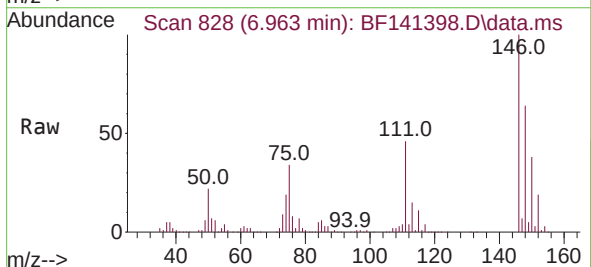
Tgt Ion:146 Resp: 251753

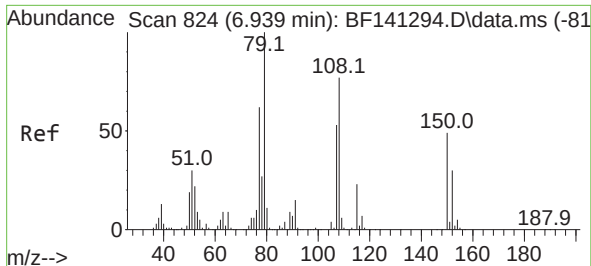
Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

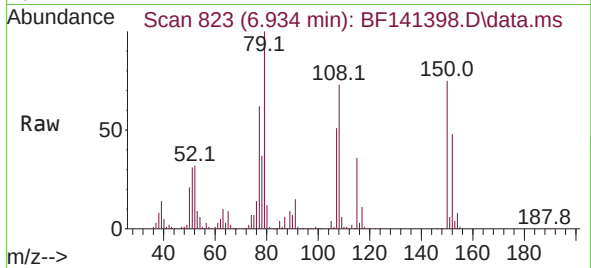
111 46.1 36.6 55.0





#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

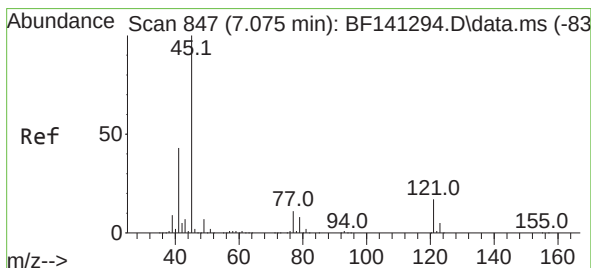
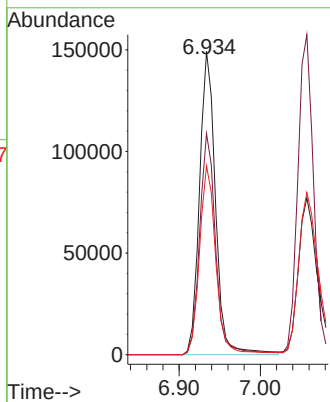
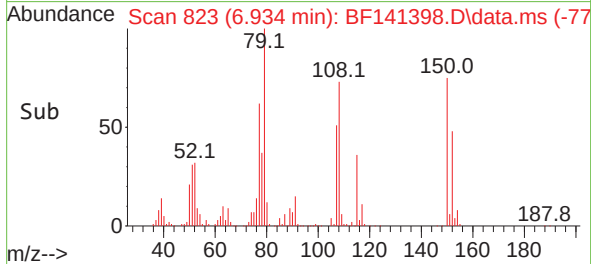
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



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

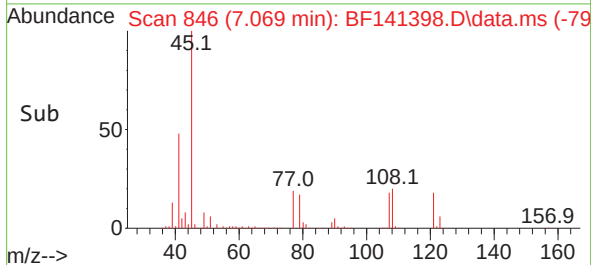
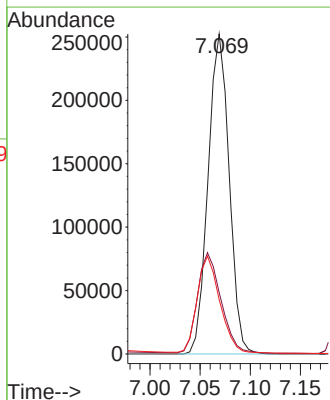
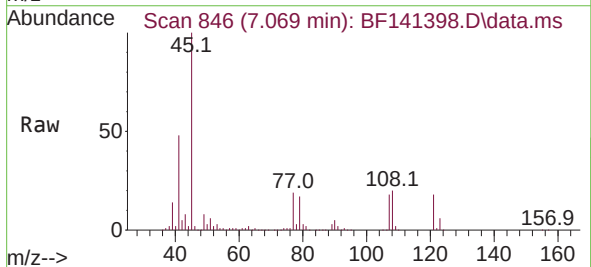
Manual Integrations
APPROVED

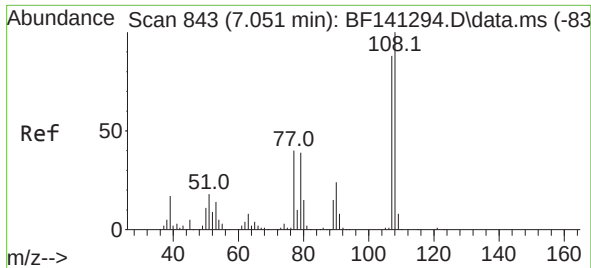
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

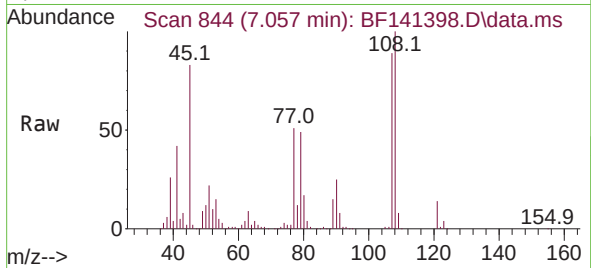
Tgt Ion: 45 Resp: 369176
Ion Ratio Lower Upper
45 100
77 19.2 0.0 31.8
79 17.0 0.0 29.1





#17
2-Methylphenol
Concen: 37.854 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

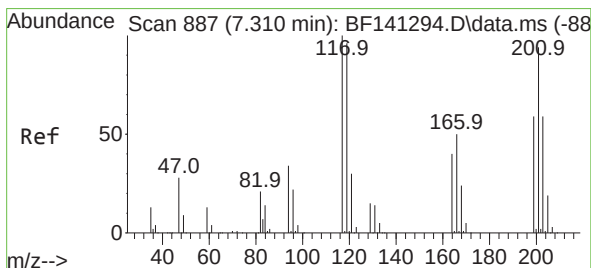
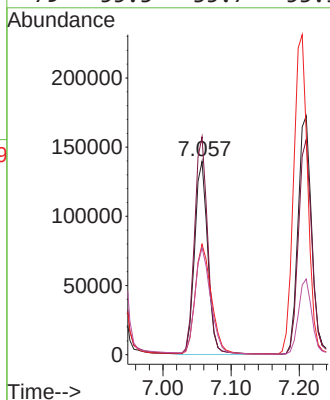
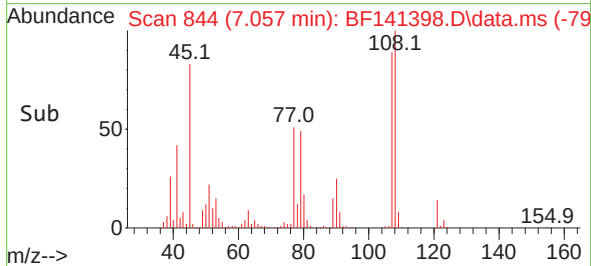
Instrument :
BNA_F
ClientSampleId :
SSTCCCC040



Tgt Ion:107 Resp: 18805
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#

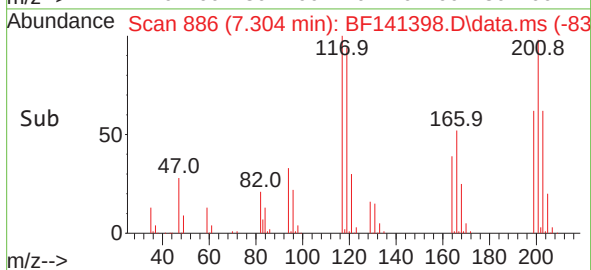
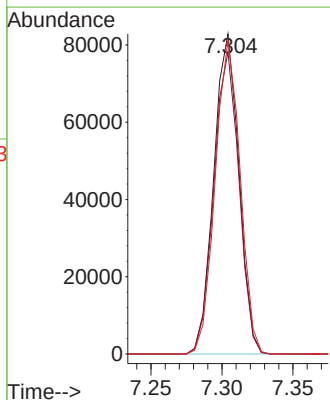
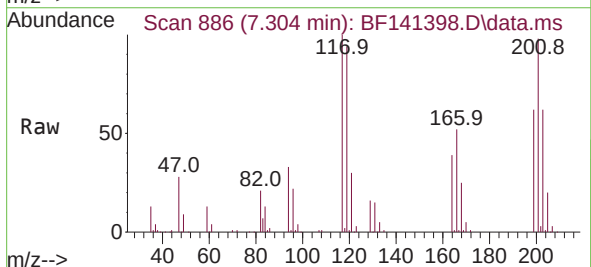
Manual Integrations
APPROVED

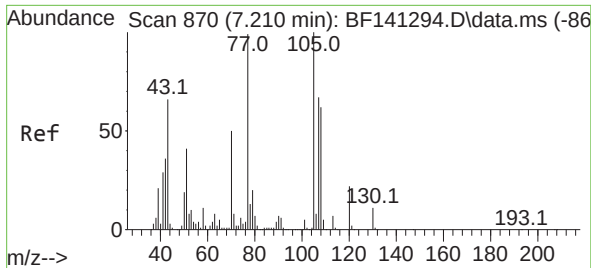
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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# 81
Delta R.T. -0.024 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

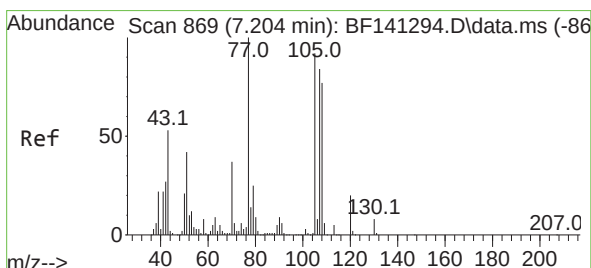
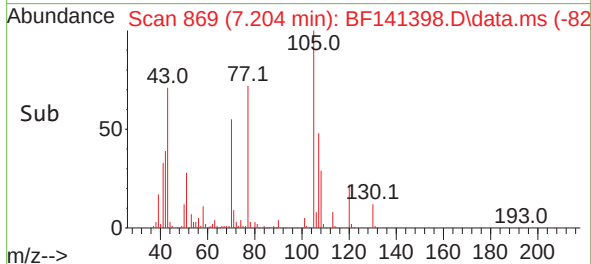
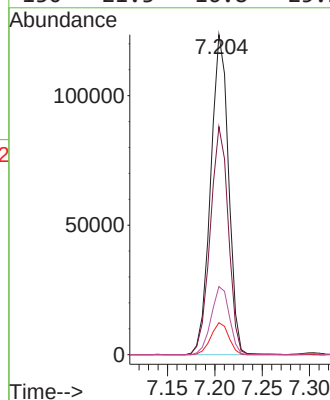
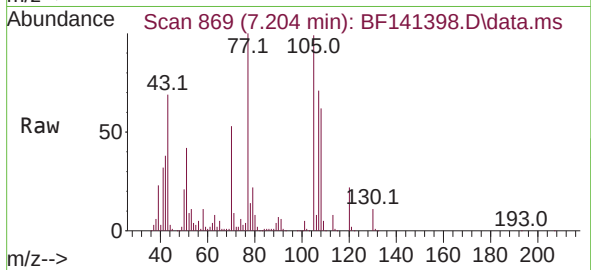
ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 16266
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

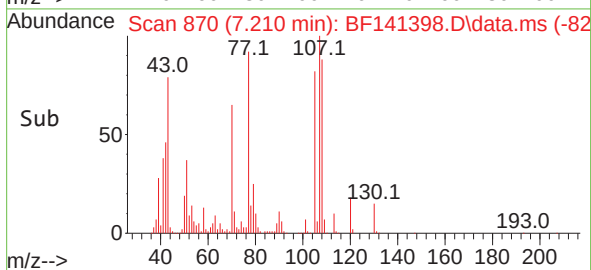
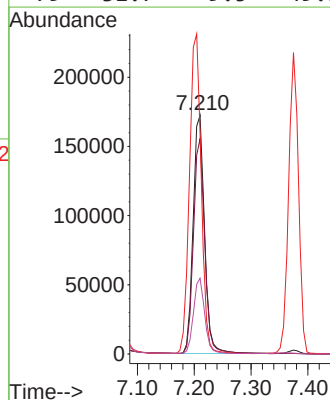
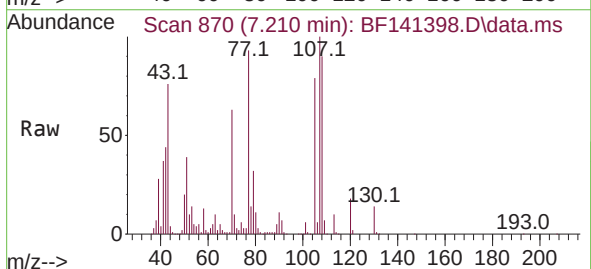
Manual Integrations
APPROVED

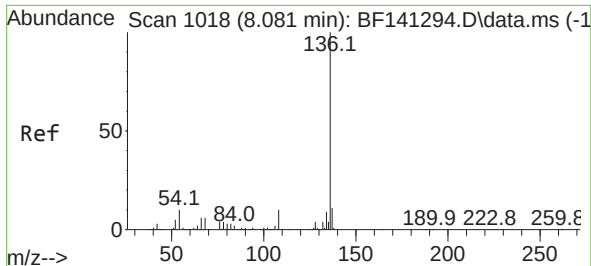
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

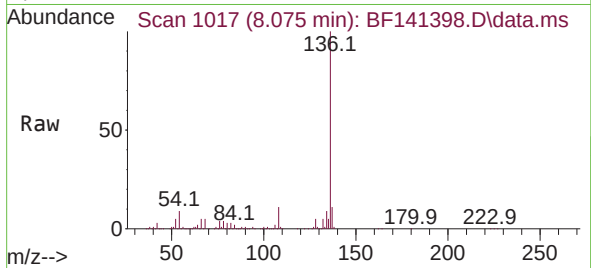
Tgt Ion:107 Resp: 240839
Ion Ratio Lower Upper
107 100
108 90.0 70.9 110.9
77 93.0 98.5 138.5#
79 31.7 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

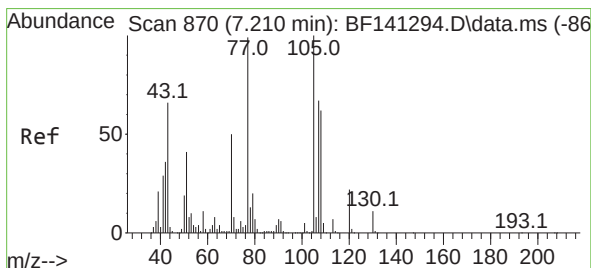
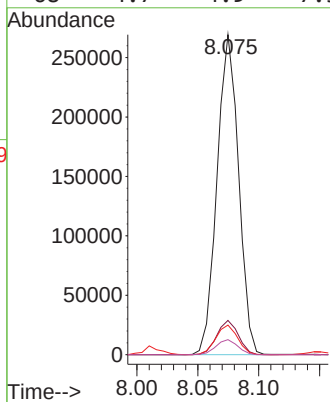
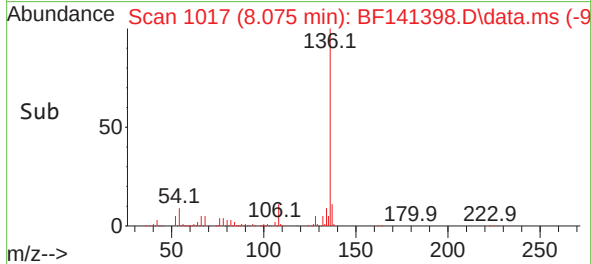
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



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#

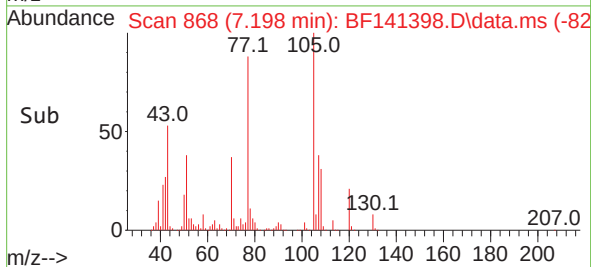
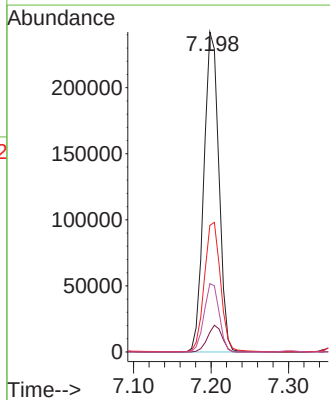
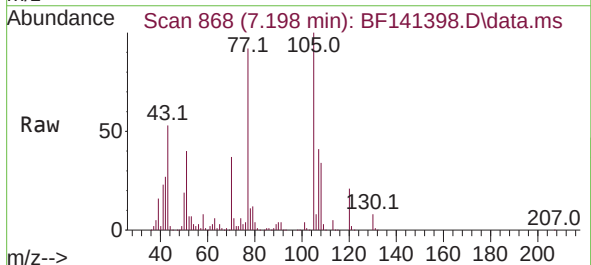
Manual Integrations
APPROVED

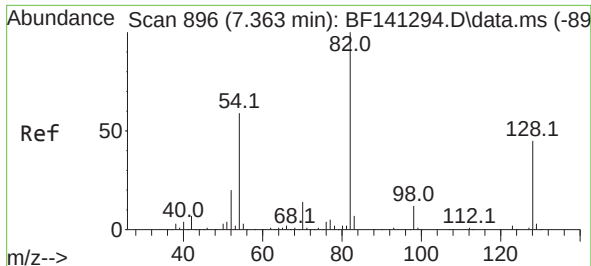
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

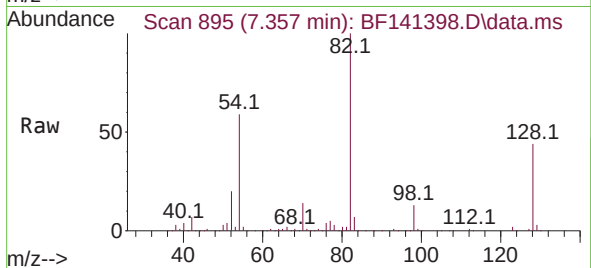
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

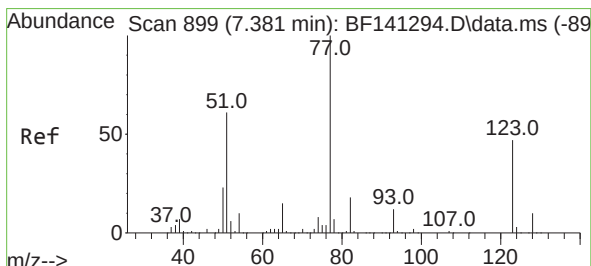
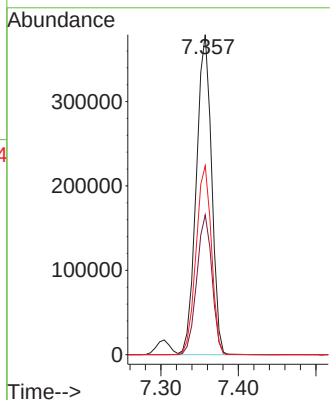
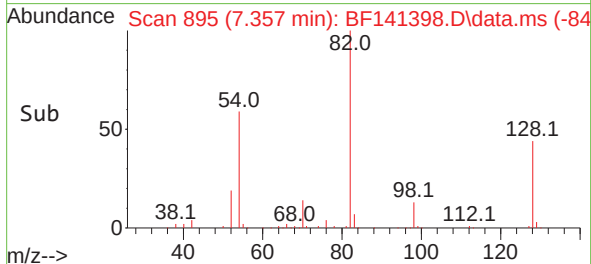


Tgt Ion: 82 Resp: 519110

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	59.0	47.1	70.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#24

Nitrobenzene

Concen: 40.497 ng

RT: 7.375 min Scan# 898

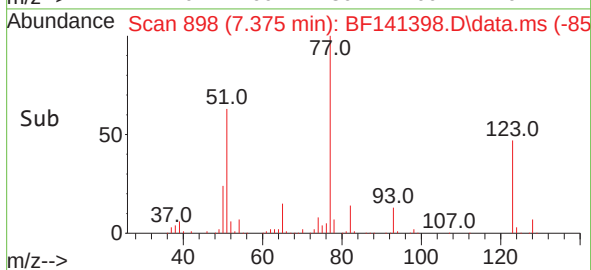
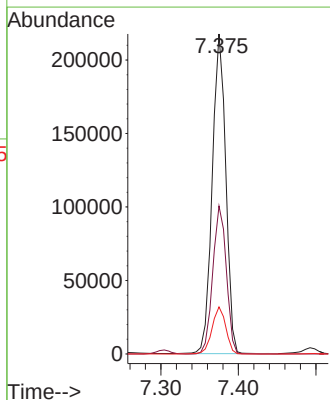
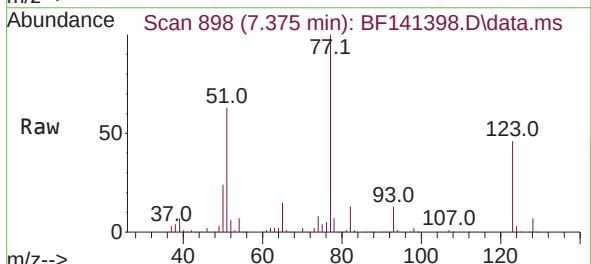
Delta R.T. -0.018 min

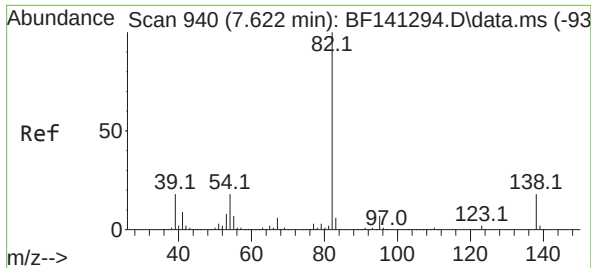
Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion: 77 Resp: 264172

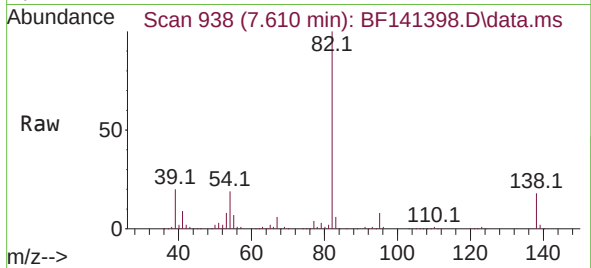
Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.3	55.9
65	14.7	11.8	17.6





#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

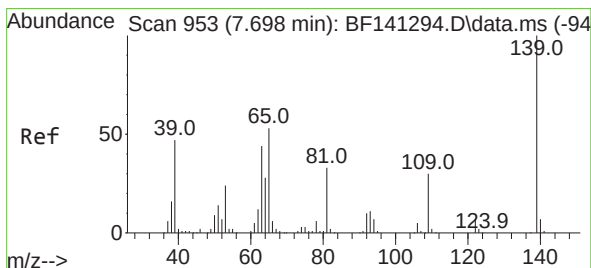
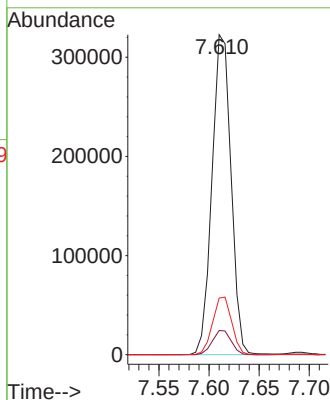
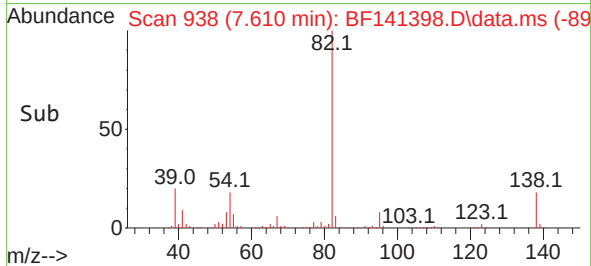
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



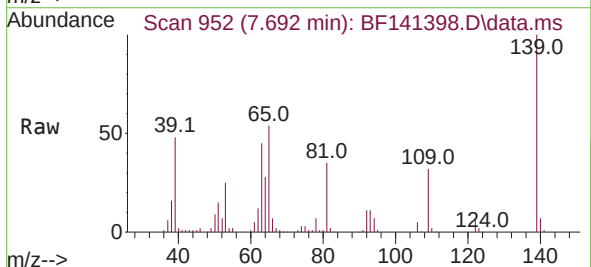
Tgt Ion: 82 Resp: 426672
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

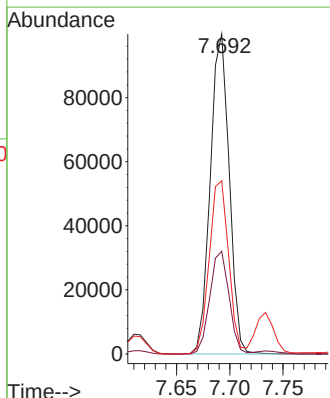
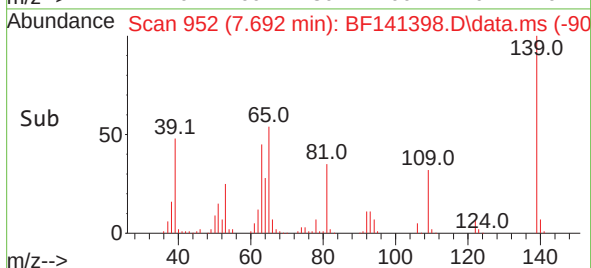
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

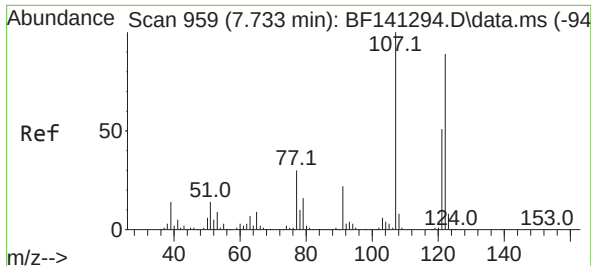


#26
2-Nitrophenol
Concen: 39.973 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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





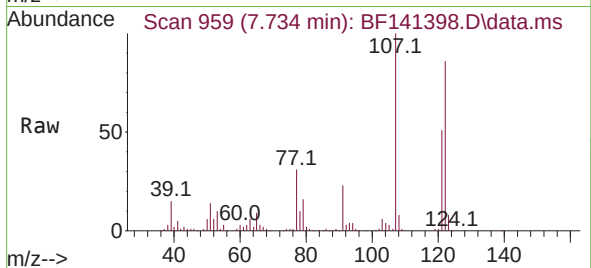
#27
2,4-Dimethylphenol
Concen: 38.904 ng m
RT: 7.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

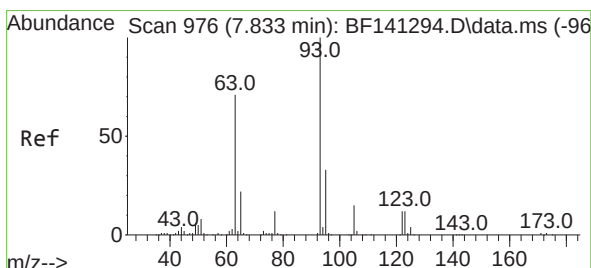
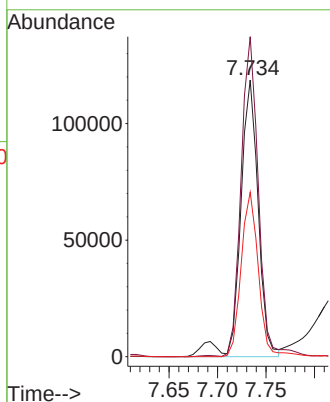
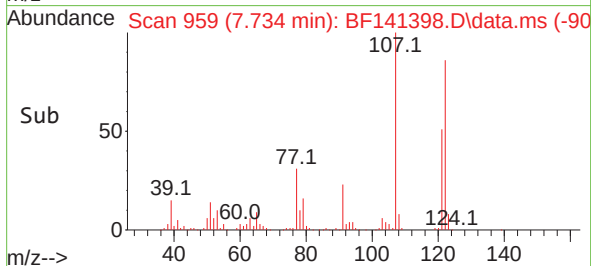
SSTDCCC040



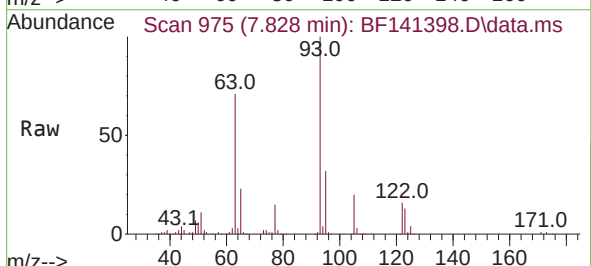
Tgt Ion:122 Resp: 15234
Ion Ratio Lower Upper
122 100
107 115.7 89.9 134.9
121 59.5 46.1 69.1

Manual Integrations
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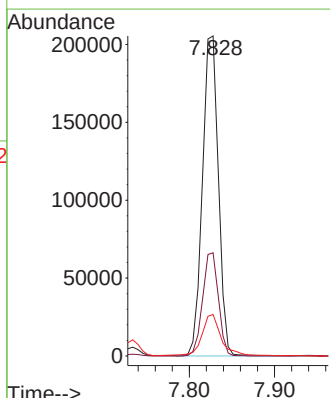
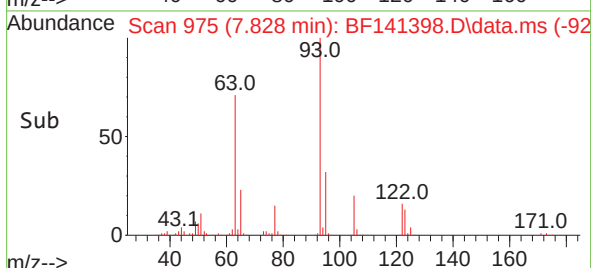
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

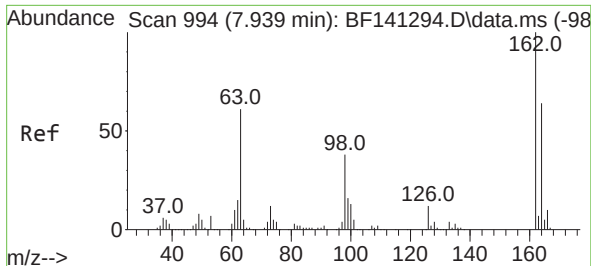


#28
bis(2-Chloroethoxy)methane
Concen: 38.495 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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

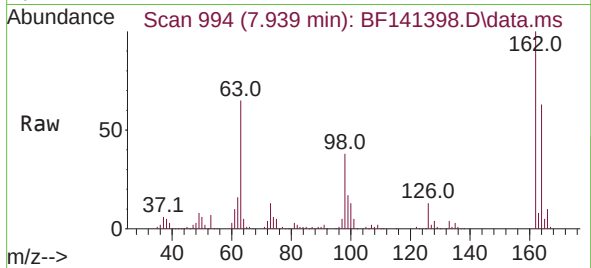
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 196668

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

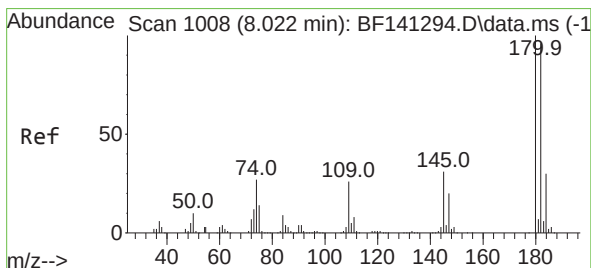
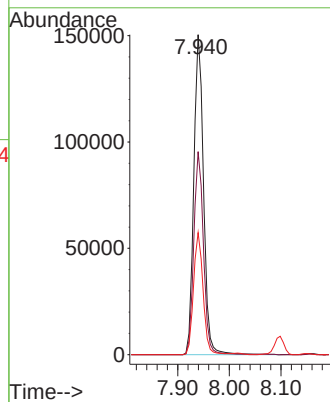
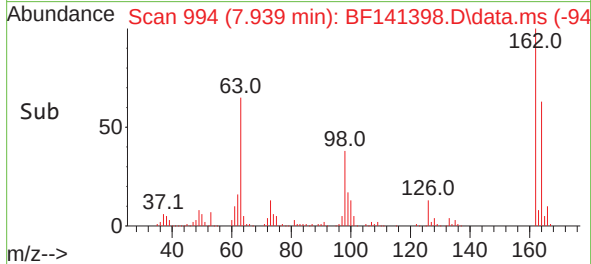
98 38.2 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#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

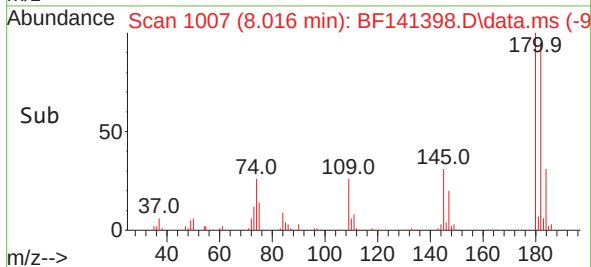
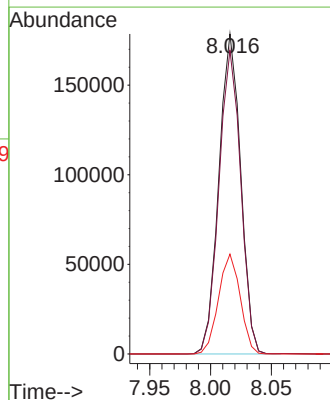
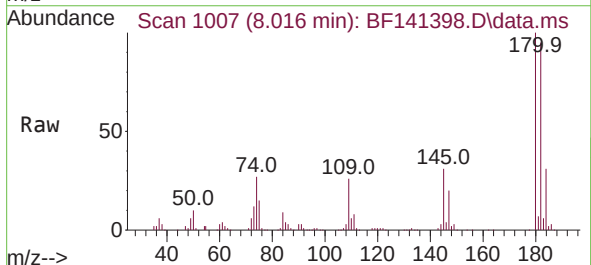
Tgt Ion:180 Resp: 222442

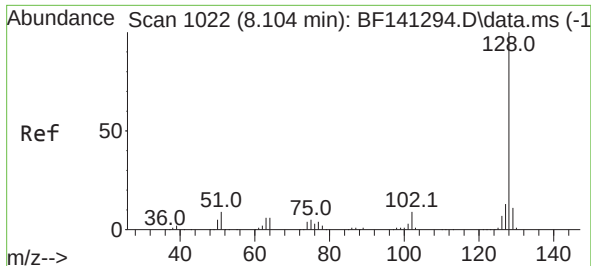
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

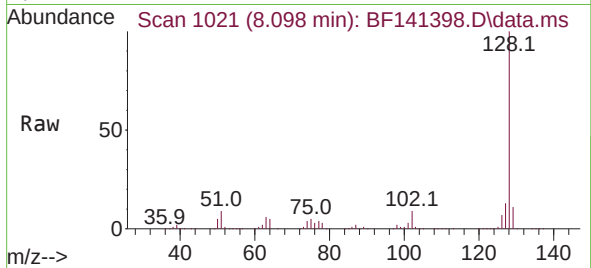
145 31.2 24.9 37.3





#31
Naphthalene
Concen: 40.155 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

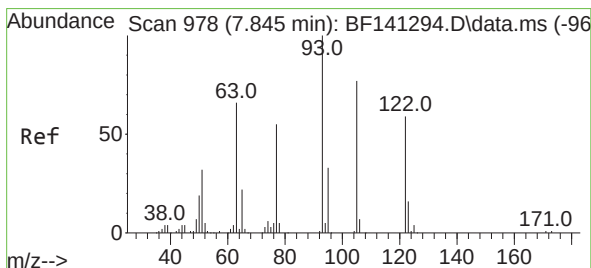
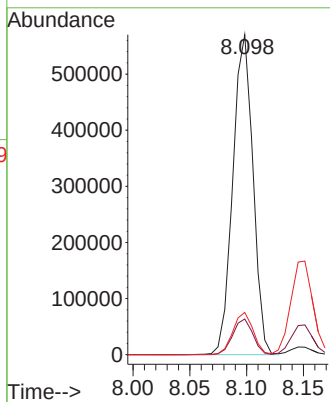
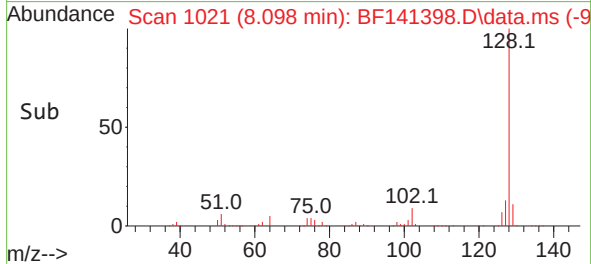
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 70391
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.6 15.8

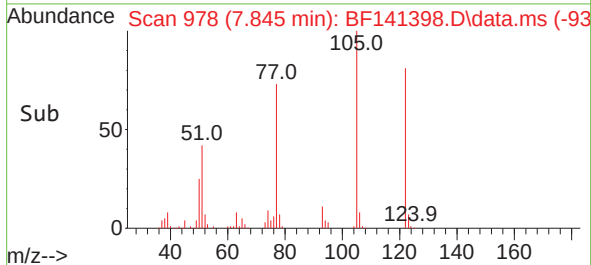
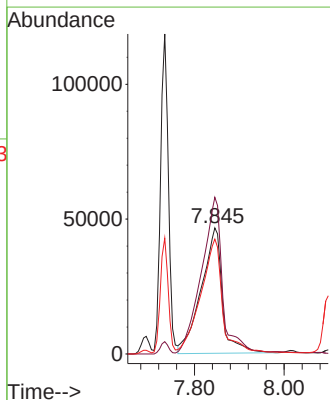
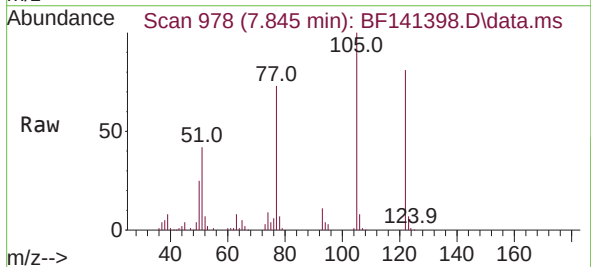
Manual Integrations
APPROVED

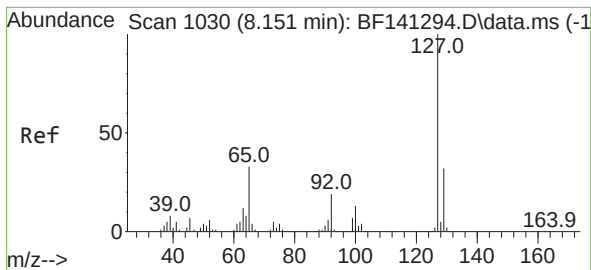
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

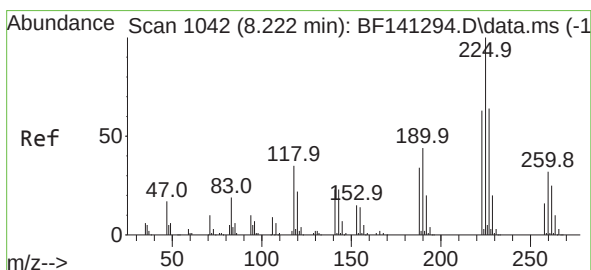
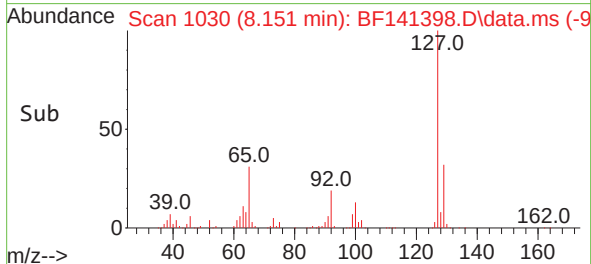
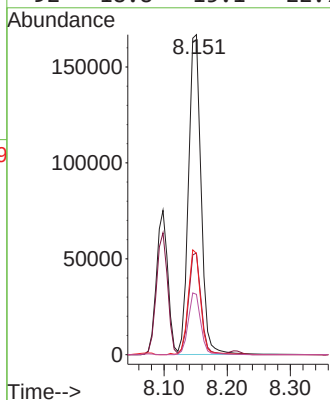
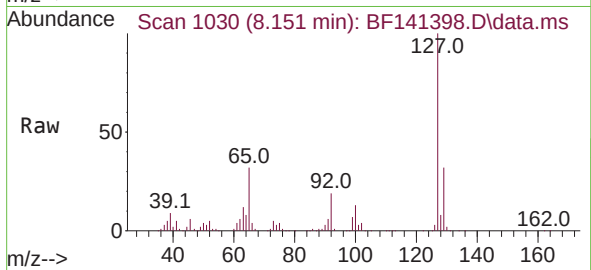
ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 23054
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

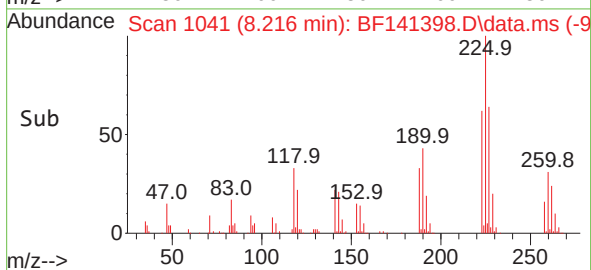
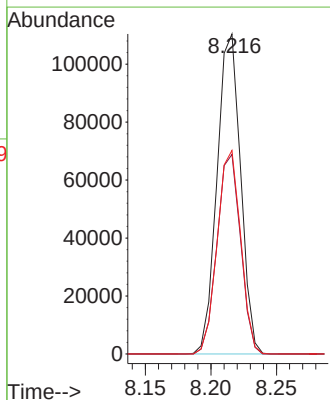
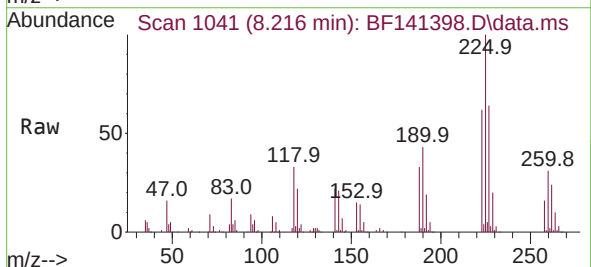
Manual Integrations
APPROVED

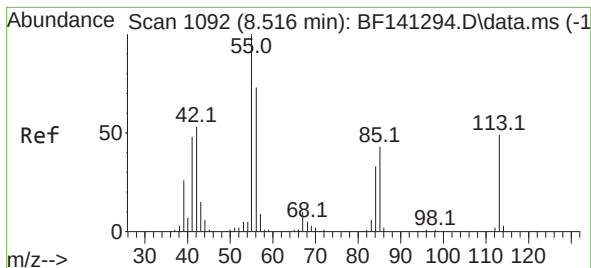
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

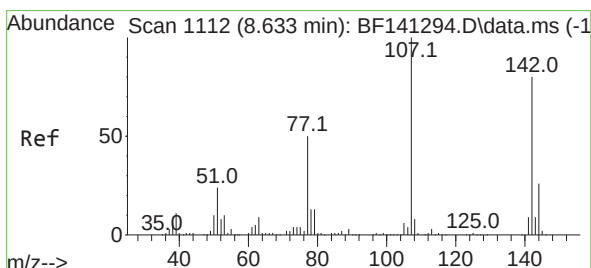
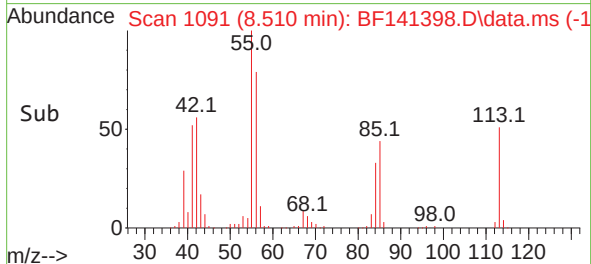
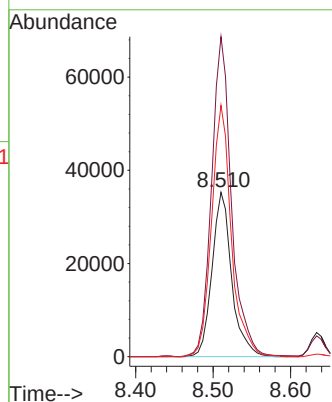
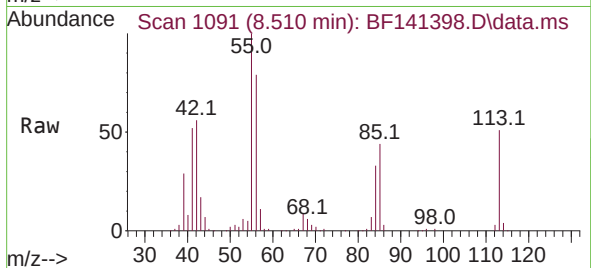
Tgt Ion:113 Resp: 6205

Ion	Ratio	Lower	Upper
113	100		
55	194.6	182.9	222.9
56	152.9	127.9	167.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#36

4-Chloro-3-methylphenol

Concen: 42.000 ng

RT: 8.634 min Scan# 1112

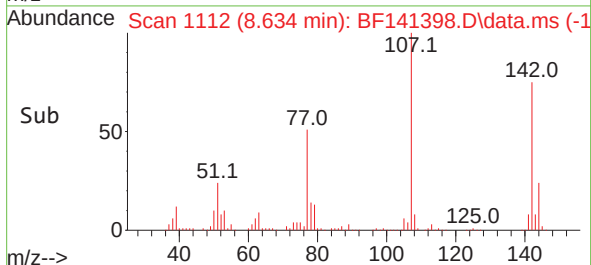
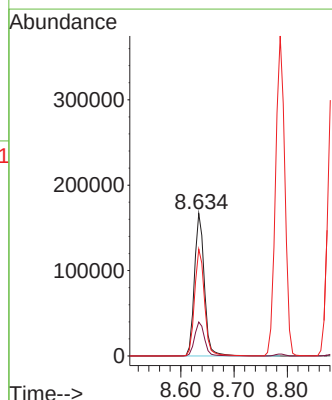
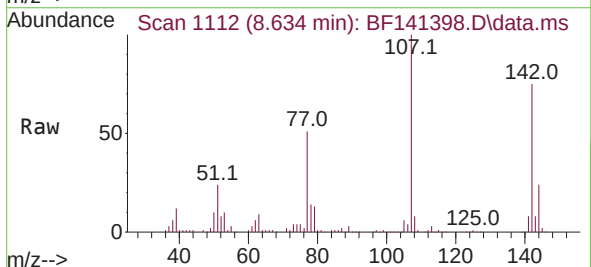
Delta R.T. -0.006 min

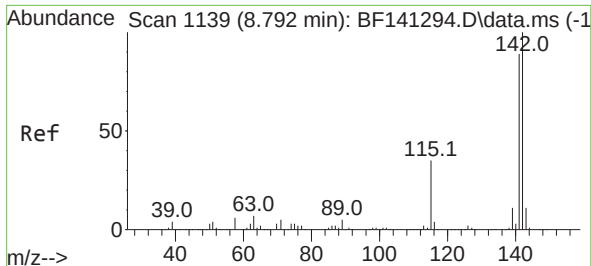
Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 215967

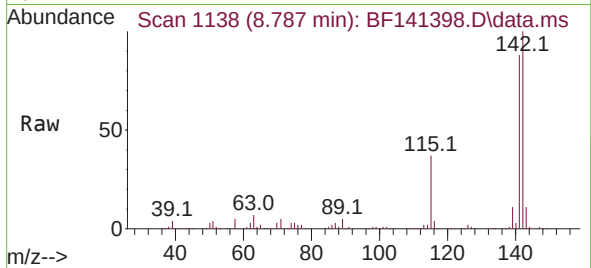
Ion	Ratio	Lower	Upper
107	100		
144	23.9	20.7	31.1
142	75.0	63.8	95.8





#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

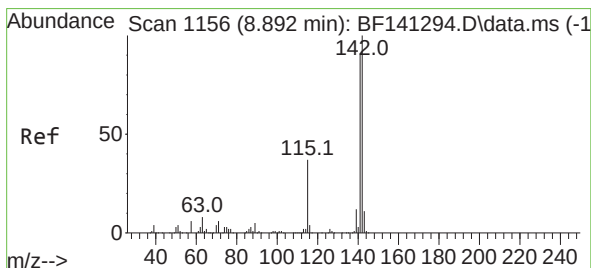
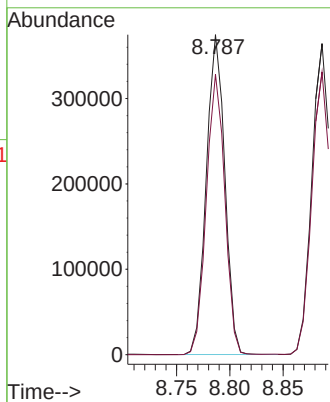
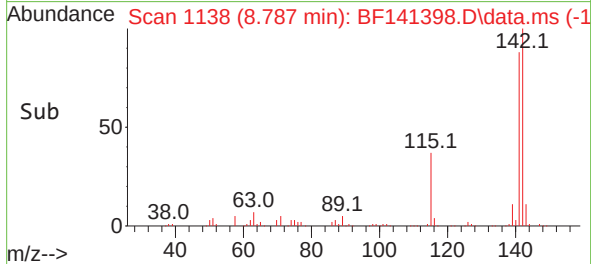
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 453714
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9

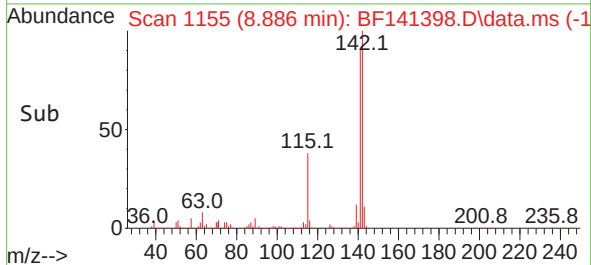
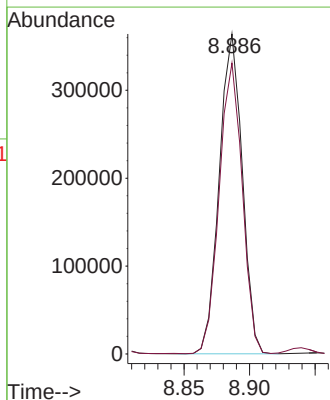
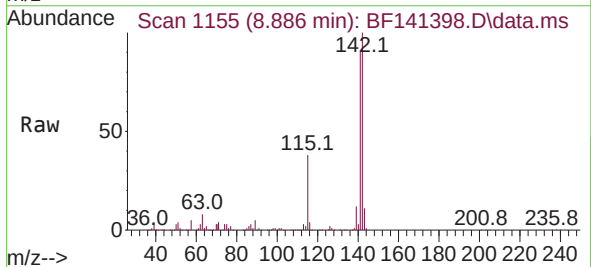
Manual Integrations
APPROVED

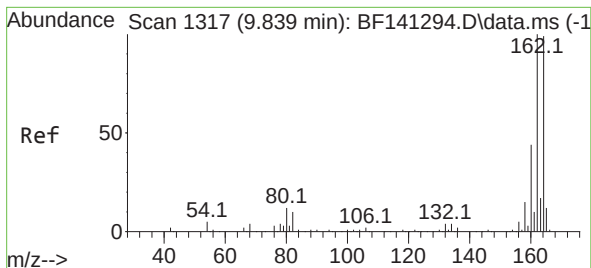
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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

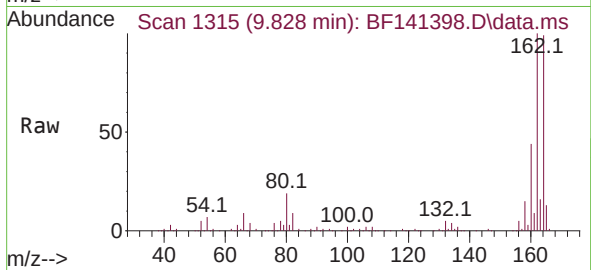
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 18047

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

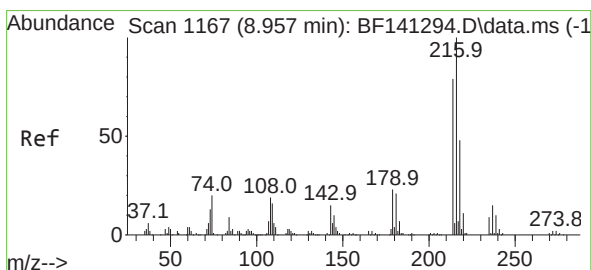
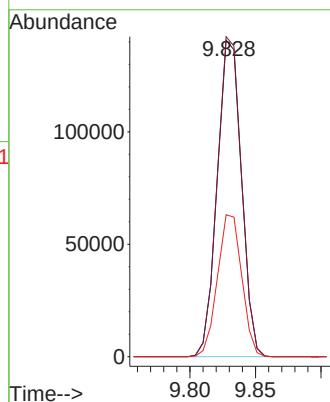
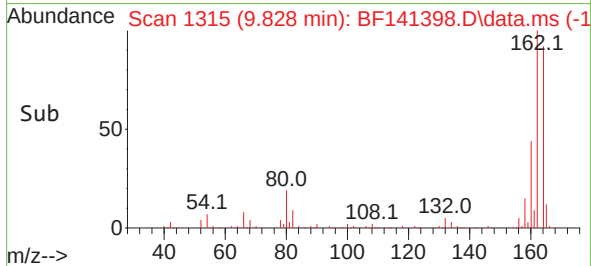
160 44.8 35.8 53.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#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

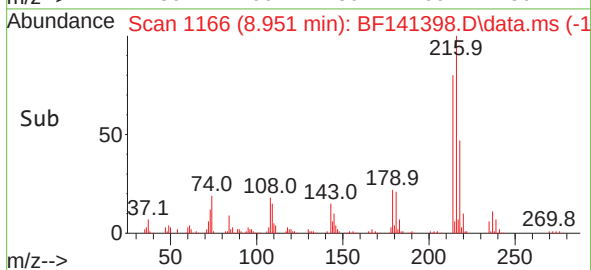
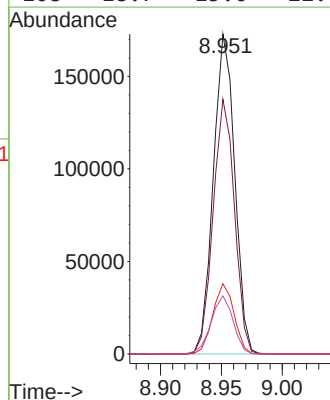
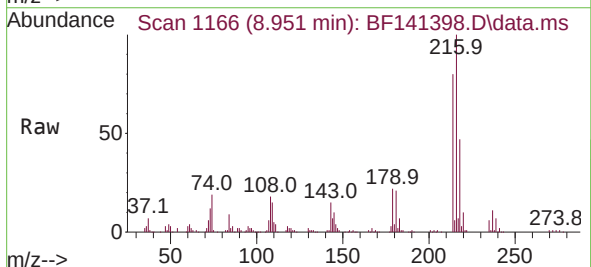
Ion Ratio Lower Upper

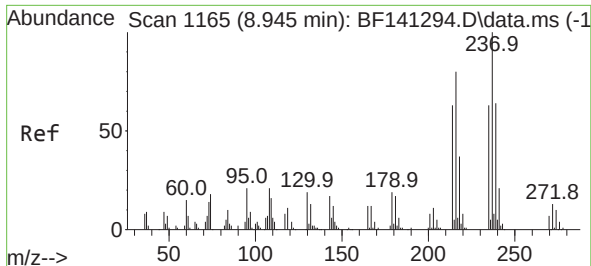
216 100

214 79.2 63.2 94.8

179 21.7 17.8 26.8

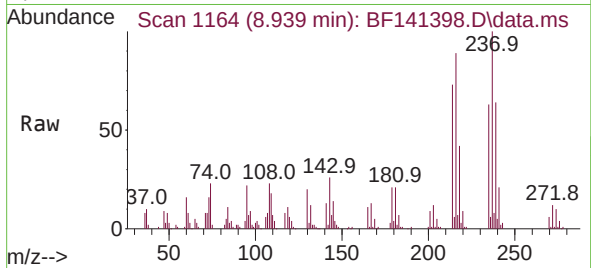
108 18.7 15.0 22.6





#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

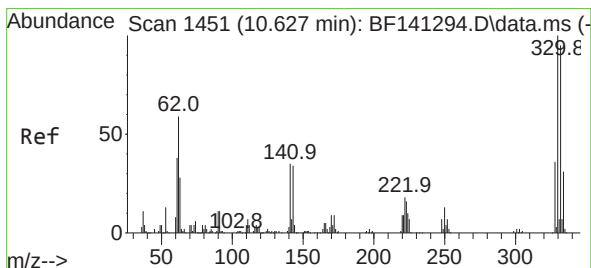
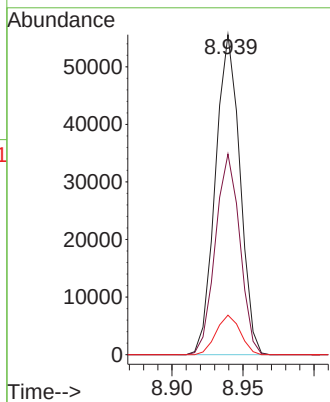
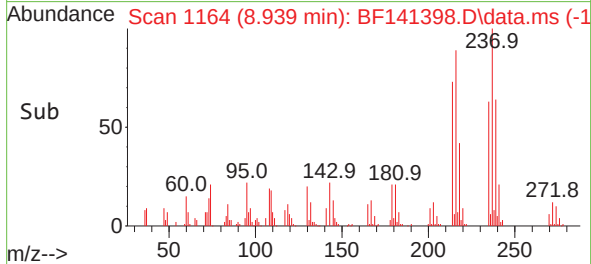
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



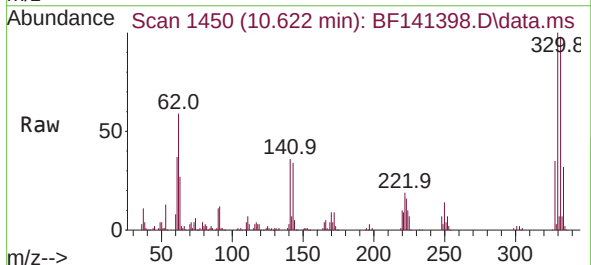
Tgt Ion:237 Resp: 66678
Ion Ratio Lower Upper
237 100
235 62.7 42.9 82.9
272 12.4 0.0 32.8

Manual Integrations
APPROVED

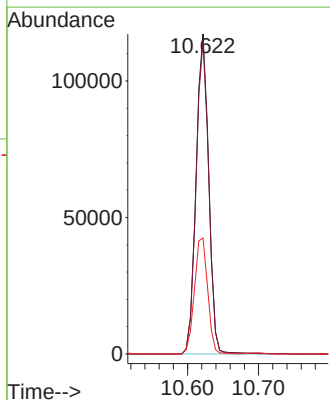
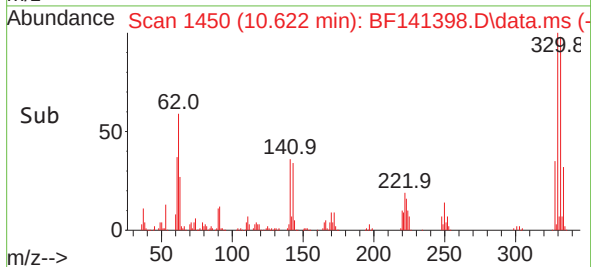
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

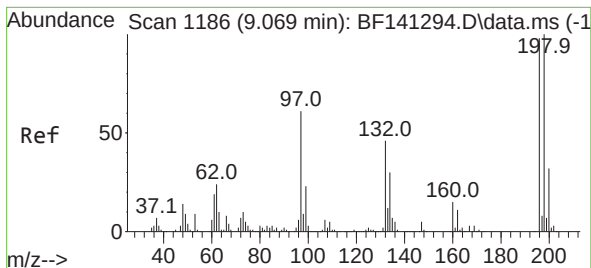


#42
2,4,6-Tribromophenol
Concen: 88.147 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



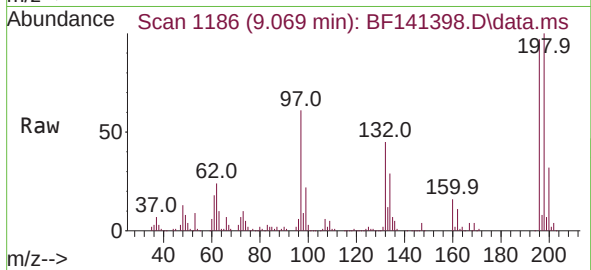
Tgt Ion:330 Resp: 145841
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 37.8 28.8 43.2





#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

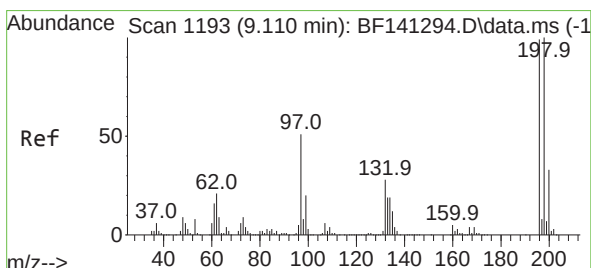
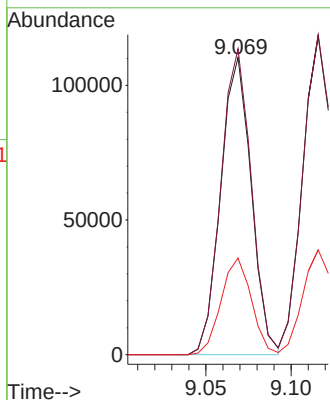
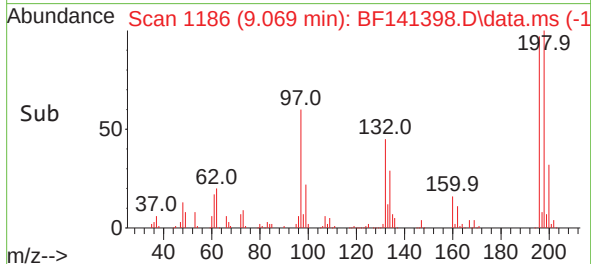
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



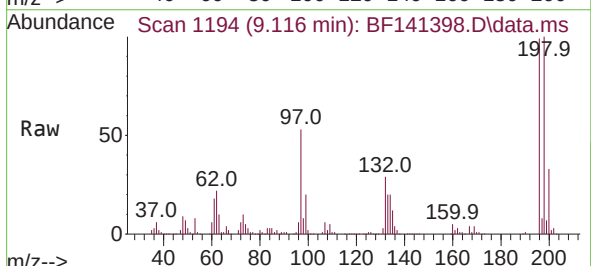
Tgt Ion:196 Resp: 13780
Ion Ratio Lower Upper
196 100
198 102.9 81.8 122.6
200 32.5 26.3 39.5

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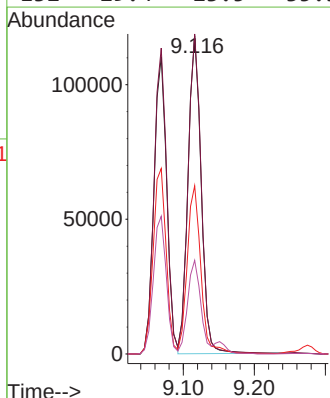
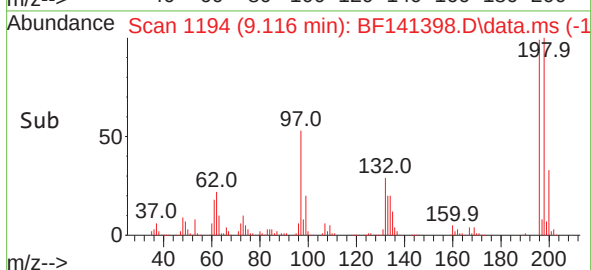
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

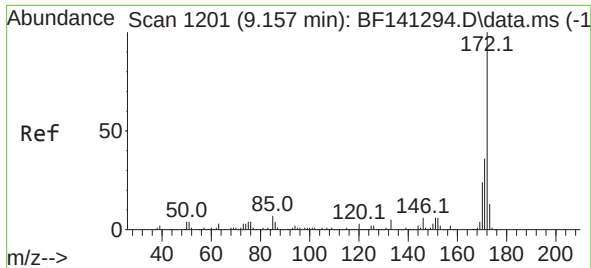


#44
2,4,5-Trichlorophenol
Concen: 41.577 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



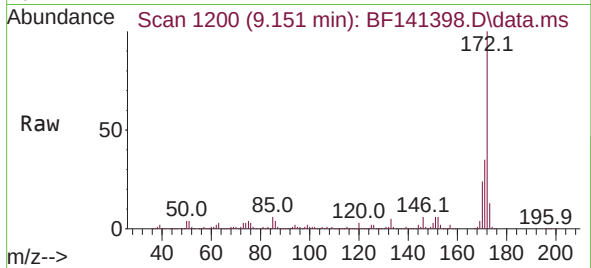
Tgt Ion:196 Resp: 152071
Ion Ratio Lower Upper
196 100
198 100.5 80.5 120.7
97 52.8 42.8 64.2
132 29.4 23.5 35.3





#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

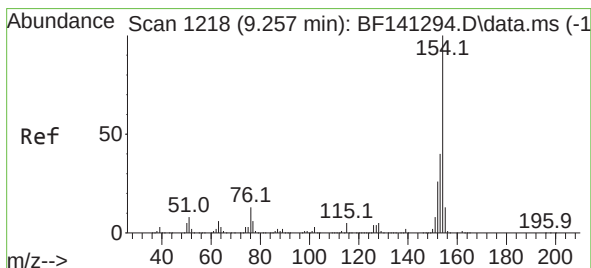
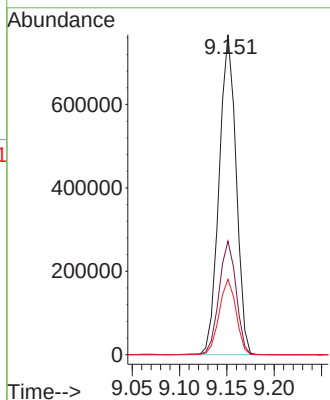
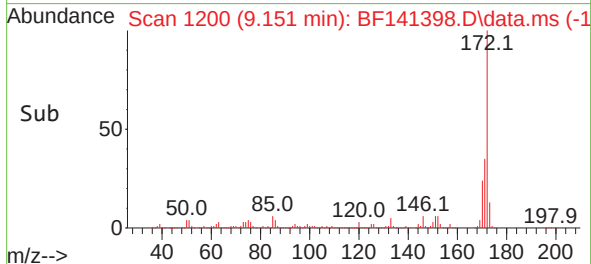
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



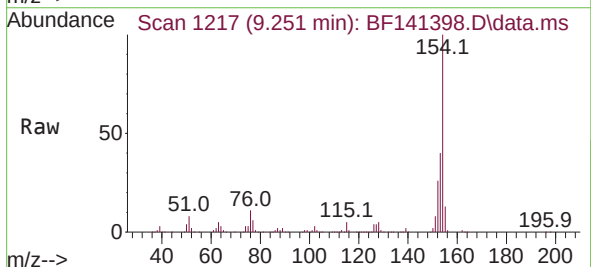
Tgt Ion:172 Resp: 958780
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6

Manual Integrations
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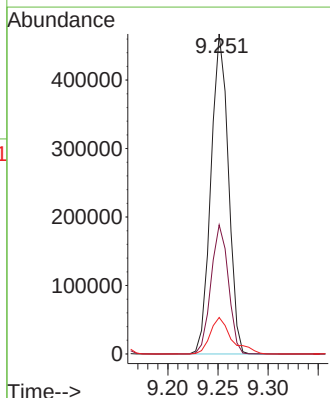
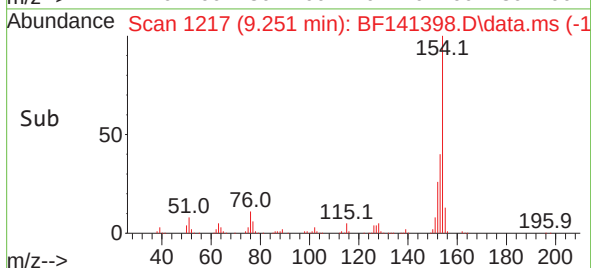
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

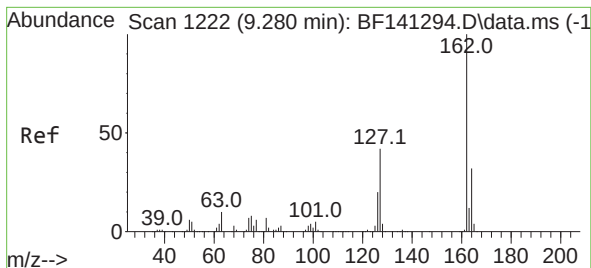


#46
1,1'-Biphenyl
Concen: 40.089 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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# 1221

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

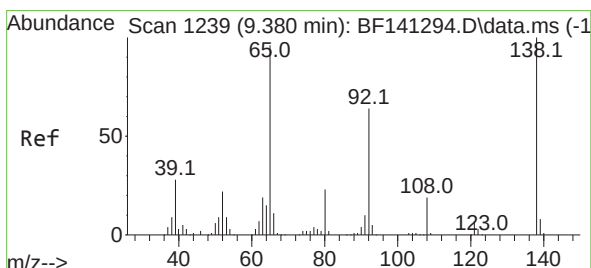
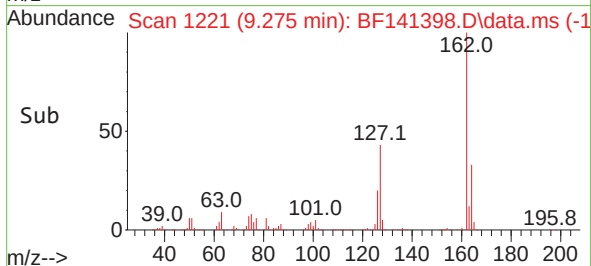
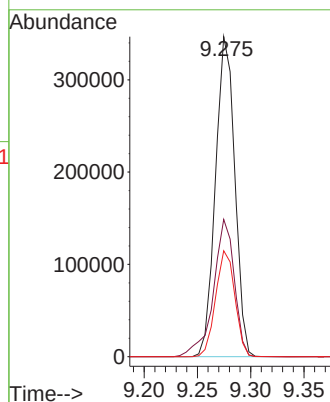
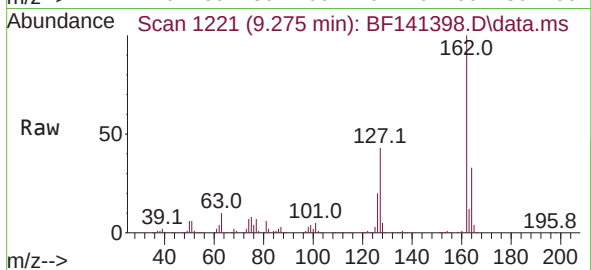
ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 43645
 Ion Ratio Lower Upper
 162 100
 127 42.9 33.7 50.5
 164 33.1 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#48

2-Nitroaniline

Concen: 40.764 ng

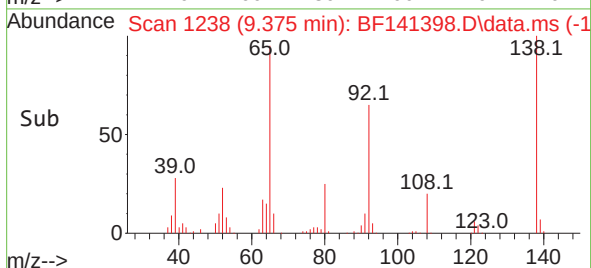
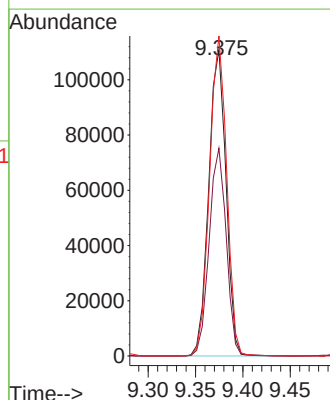
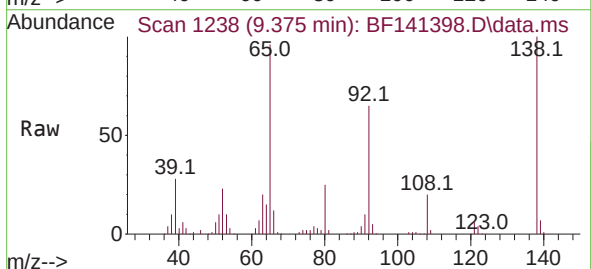
RT: 9.375 min Scan# 1238

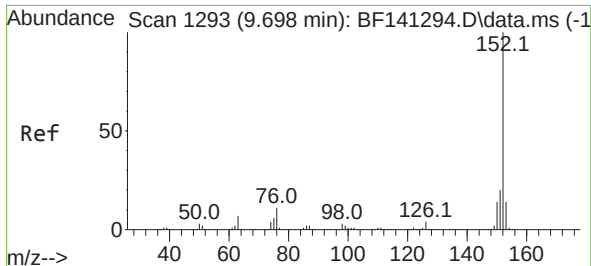
Delta R.T. -0.006 min

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# 1292

Delta R.T. -0.012 min

Lab File: BF141398.D

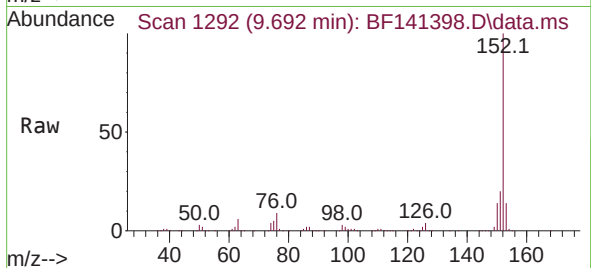
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

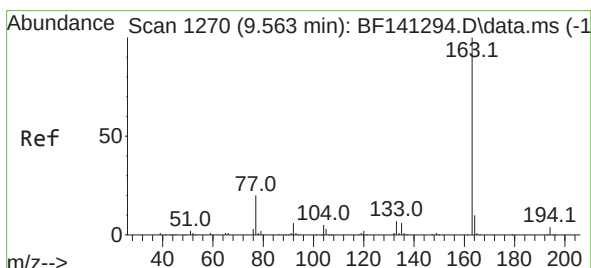
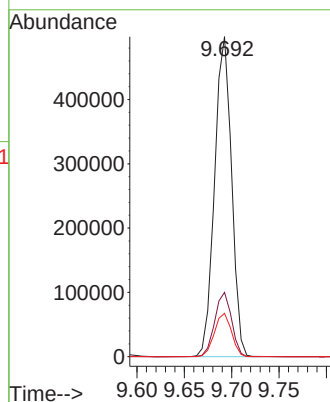
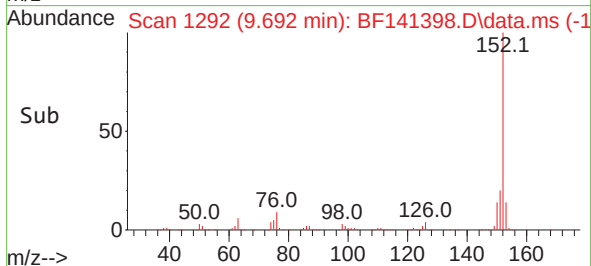
SSTDCCC040



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.6	11.0	16.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#50

Dimethylphthalate

Concen: 40.604 ng

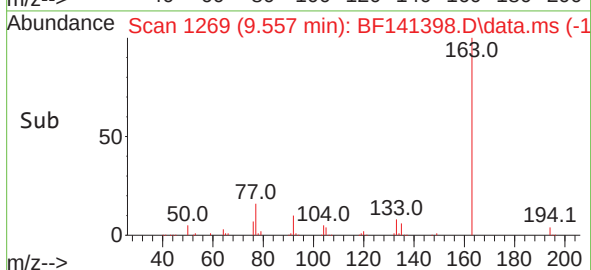
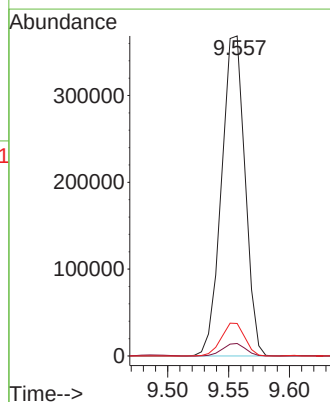
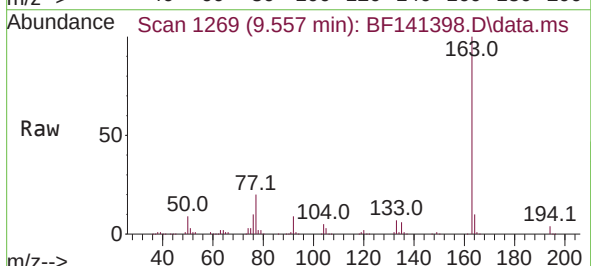
RT: 9.557 min Scan# 1269

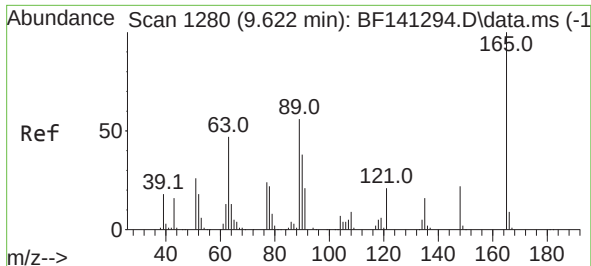
Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

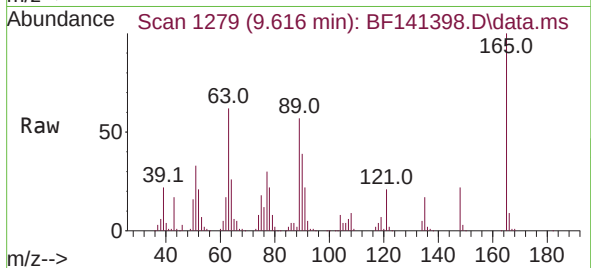
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.929 ng
RT: 9.616 min Scan# 11583
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

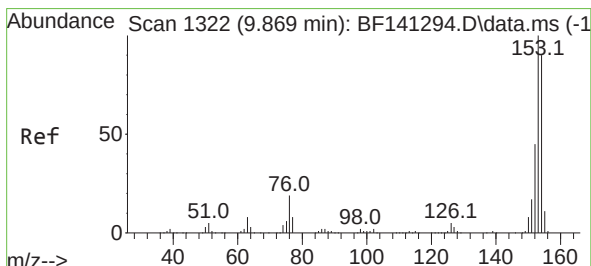
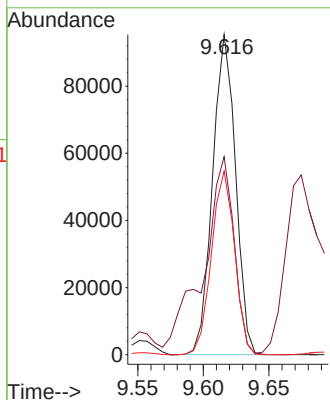
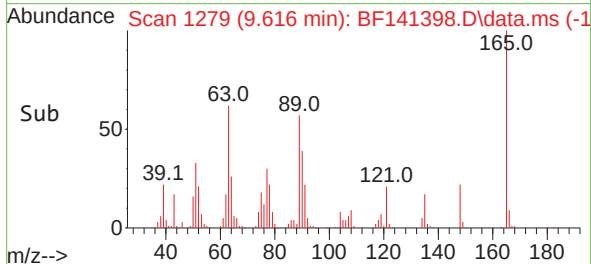
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



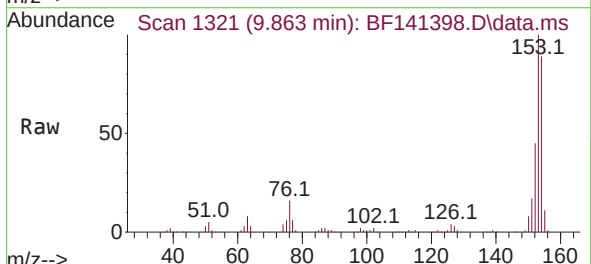
Tgt Ion:165 Resp: 11583
Ion Ratio Lower Upper
165 100
63 61.9 48.1 72.1
89 57.4 44.9 67.3

Manual Integrations
APPROVED

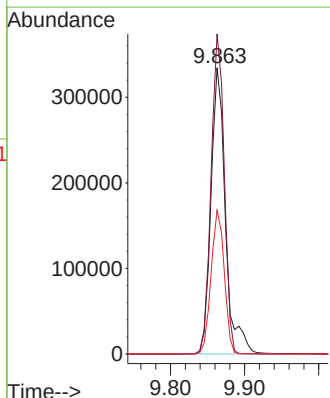
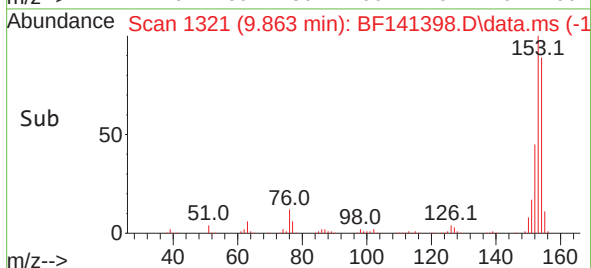
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

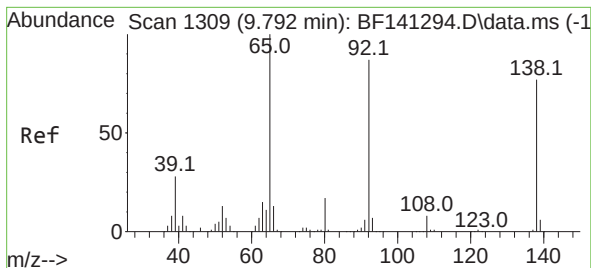


#52
Acenaphthene
Concen: 41.328 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



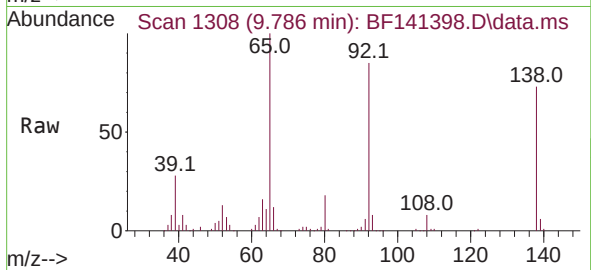
Tgt Ion:154 Resp: 453408
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#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

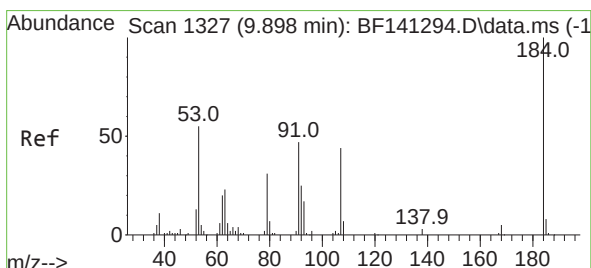
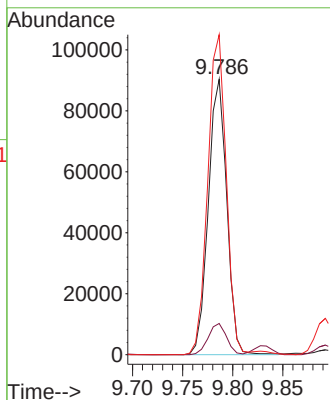
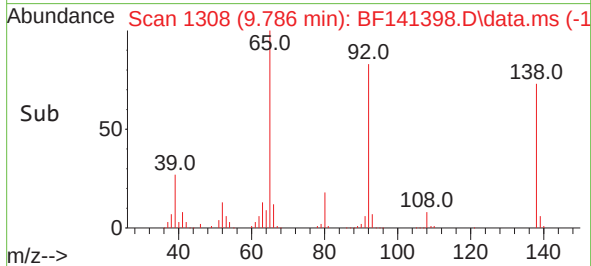
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



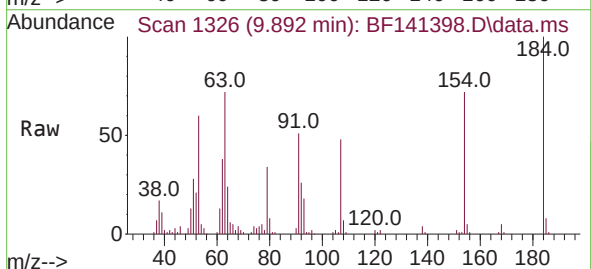
Tgt Ion:138 Resp: 11579
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 116.2 91.0 136.6

Manual Integrations
APPROVED

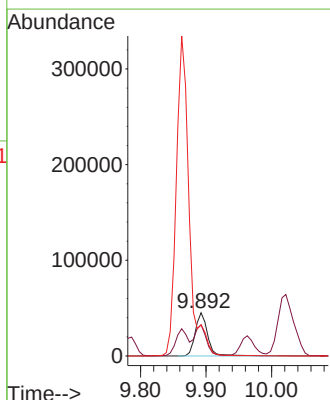
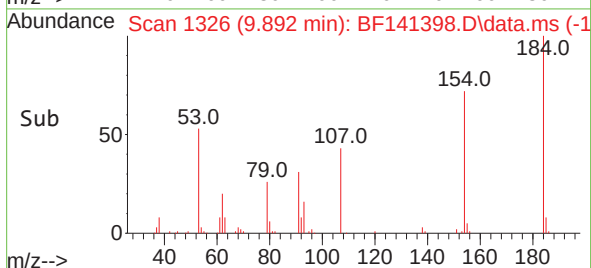
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

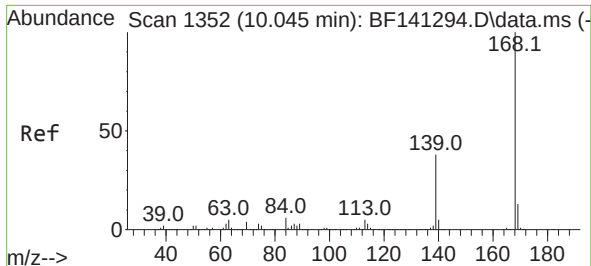


#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



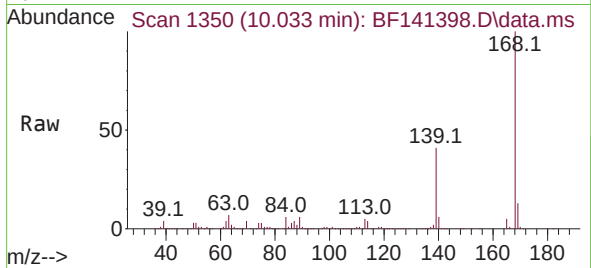
Tgt Ion:184 Resp: 59519
Ion Ratio Lower Upper
184 100
63 72.2 54.1 81.1
154 71.9 50.7 76.1





#55
Dibenzenofuran
Concen: 41.022 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

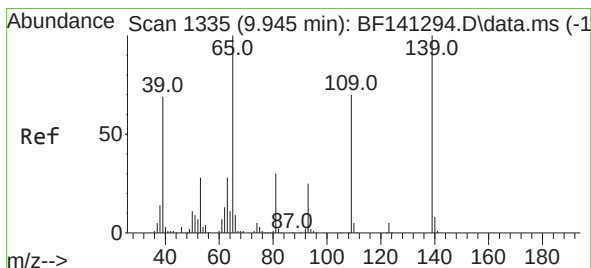
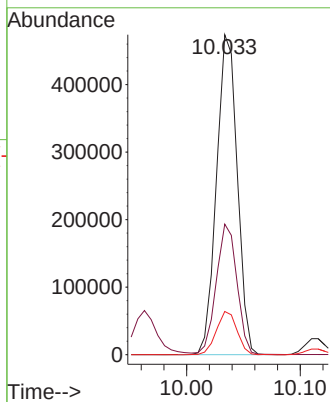
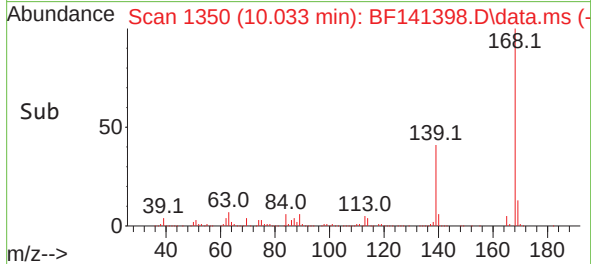
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



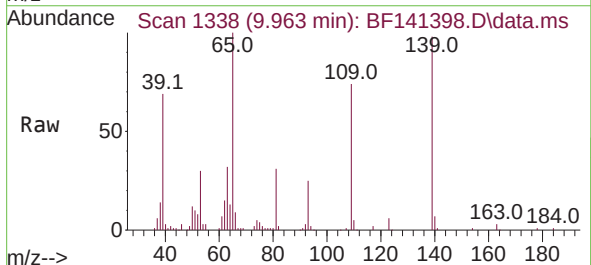
Tgt Ion:168 Resp: 602409
Ion Ratio Lower Upper
168 100
139 40.8 30.6 46.0
169 13.5 10.8 16.2

Manual Integrations
APPROVED

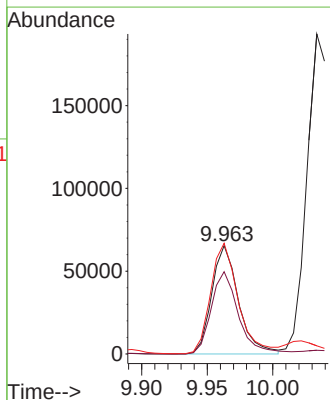
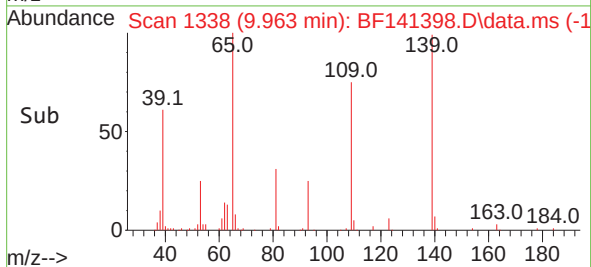
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

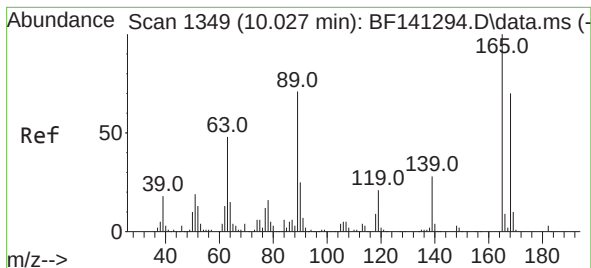


#56
4-Nitrophenol
Concen: 45.798 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



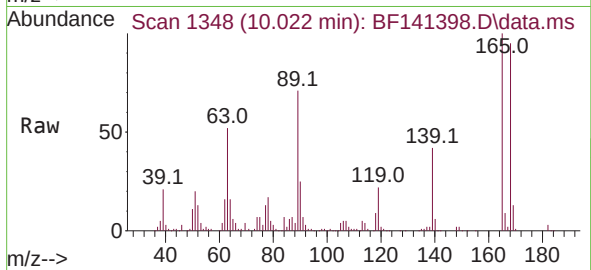
Tgt Ion:139 Resp: 92908
Ion Ratio Lower Upper
139 100
109 76.0 50.2 90.2
65 102.3 80.6 120.6





#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

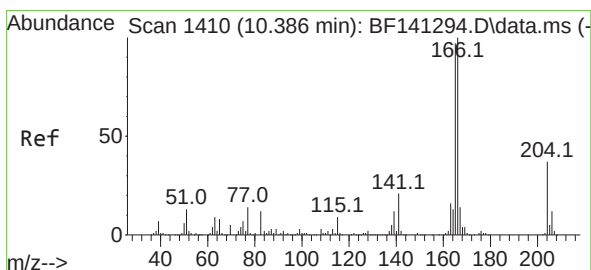
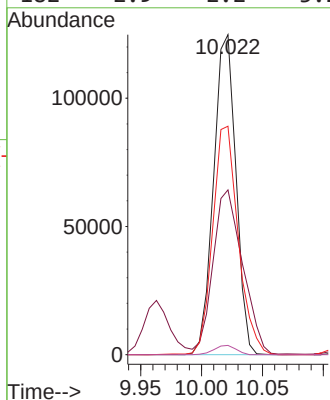
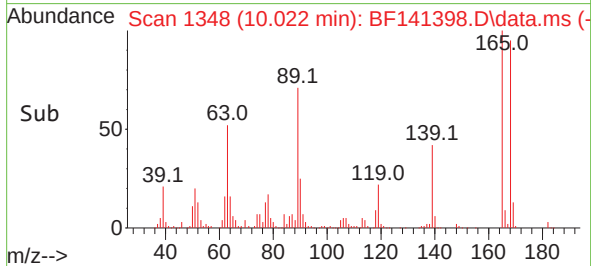
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



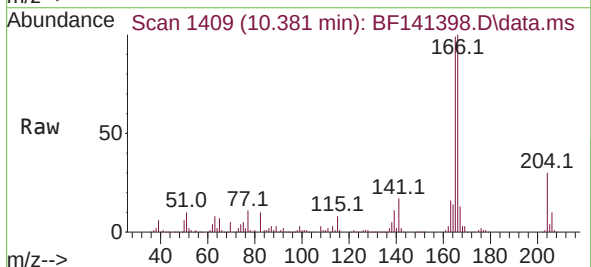
Tgt Ion:165 Resp: 15929
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 71.4 56.9 85.3
182 2.9 2.2 3.2

Manual Integrations
APPROVED

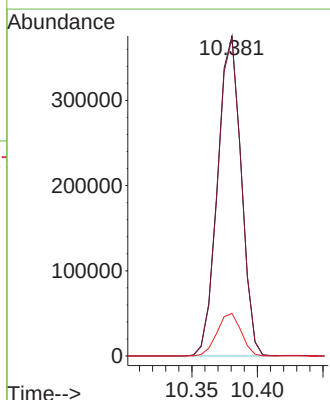
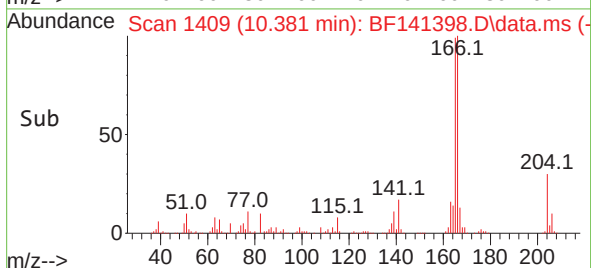
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

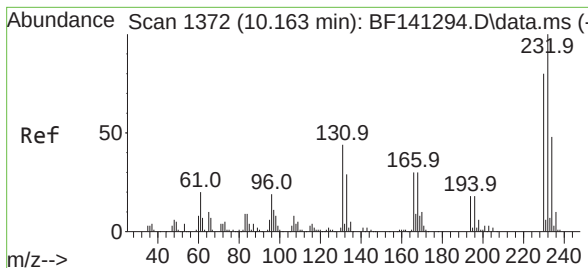


#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



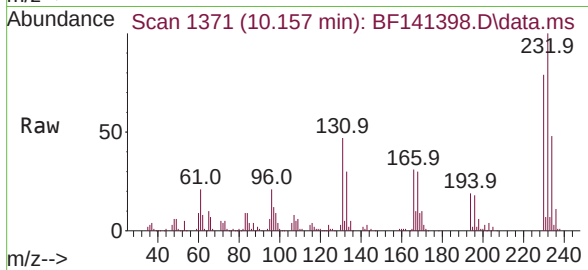
Tgt Ion:166 Resp: 471526
Ion Ratio Lower Upper
166 100
165 99.3 77.5 116.3
167 13.3 10.9 16.3





#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

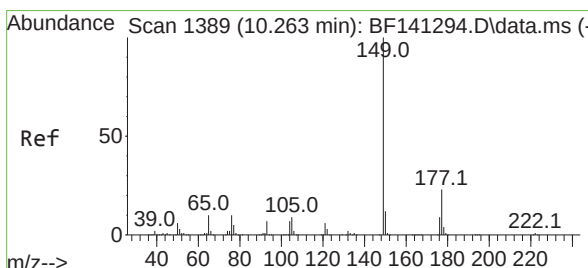
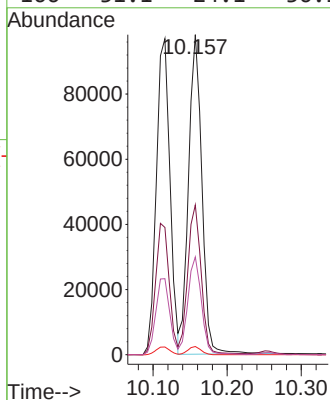
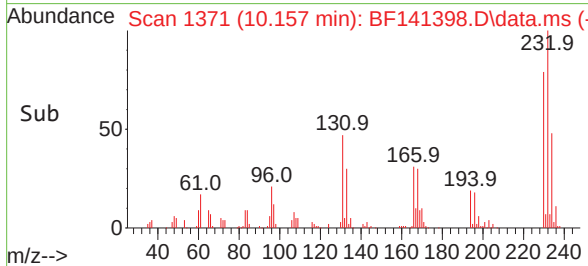
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



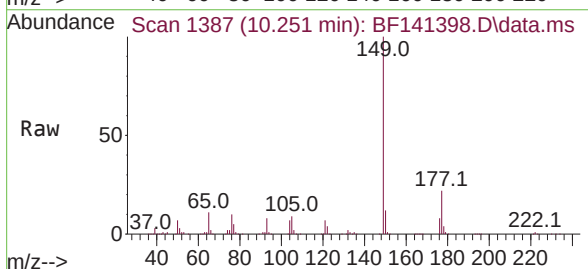
Tgt Ion:232 Resp: 123160
Ion Ratio Lower Upper
232 100
131 47.4 36.4 54.6
130 2.5 1.9 2.9
166 31.1 24.1 36.1

Manual Integrations
APPROVED

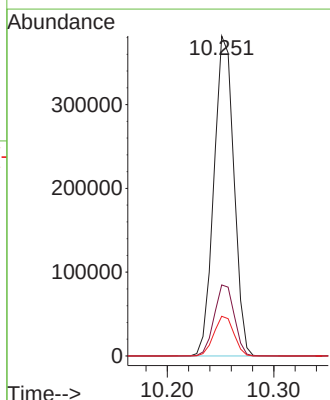
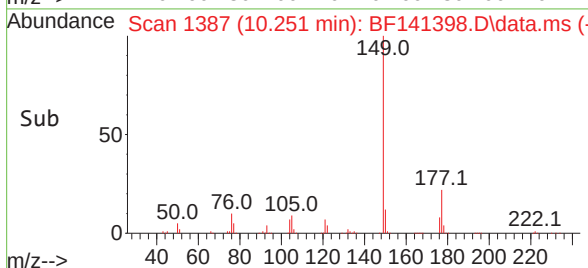
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

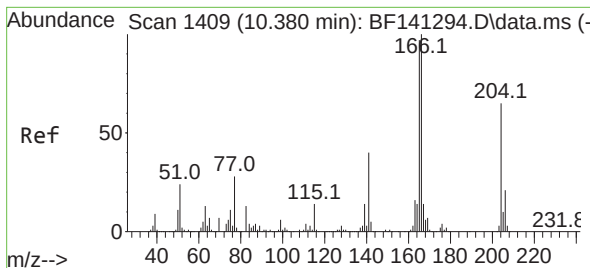


#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



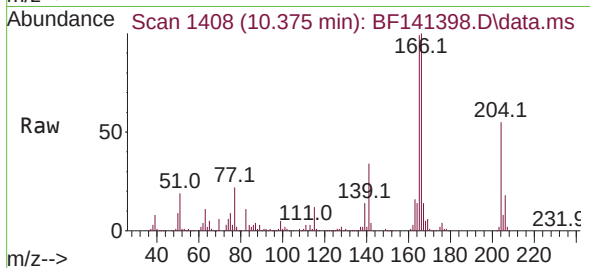
Tgt Ion:149 Resp: 495870
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.4 10.0 15.0





#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

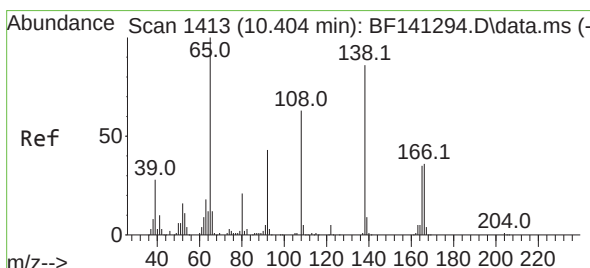
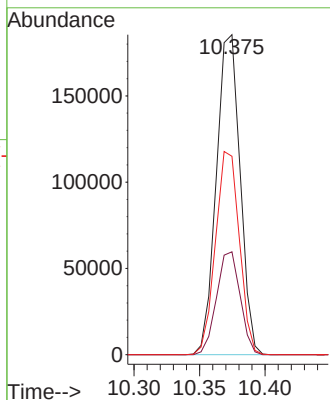
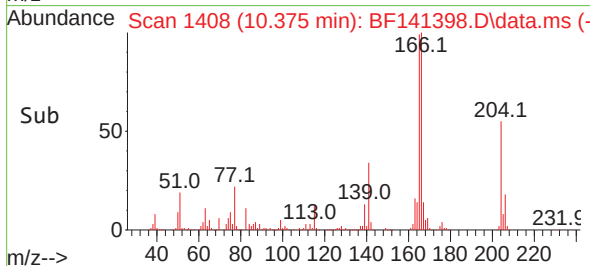
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



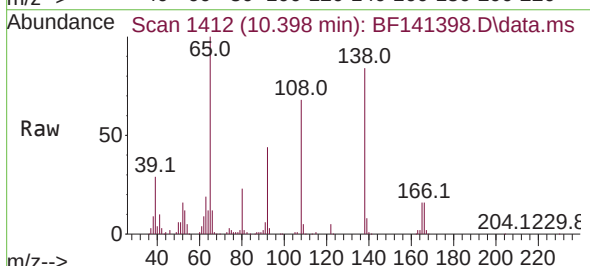
Tgt Ion:204 Resp: 23390
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 62.0 49.5 74.3

Manual Integrations
APPROVED

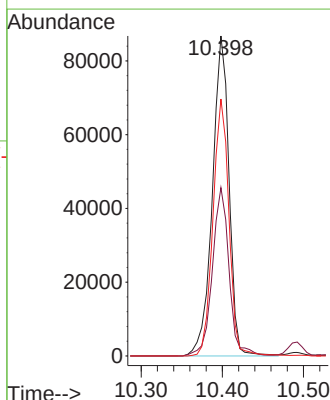
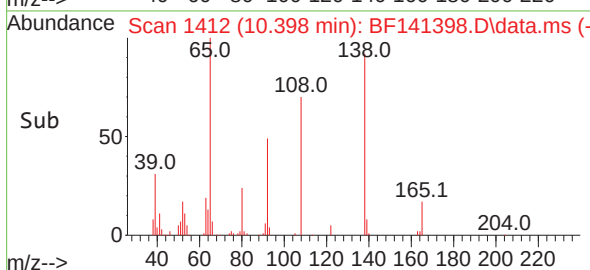
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

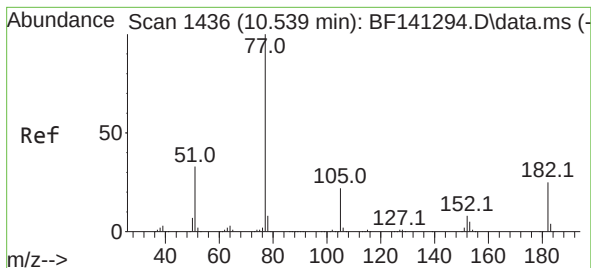


#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



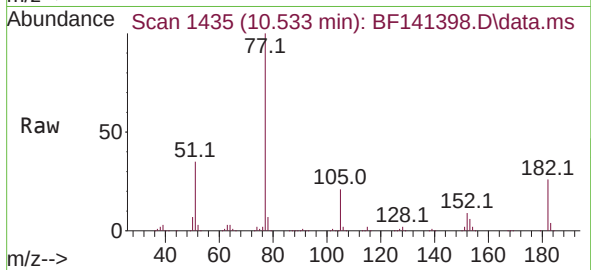
Tgt Ion:138 Resp: 123996
Ion Ratio Lower Upper
138 100
92 52.6 30.1 70.1
108 80.3 53.1 93.1





#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

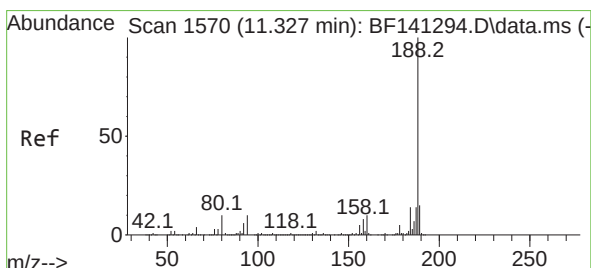
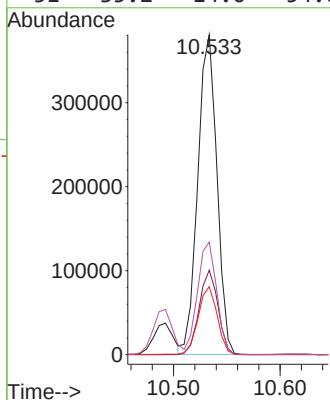
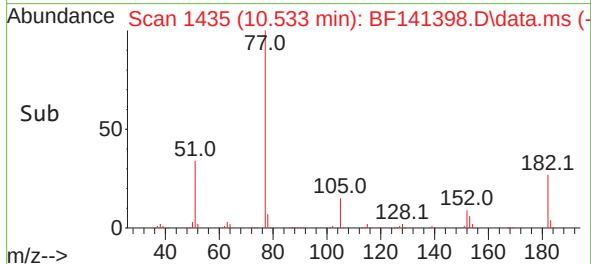
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



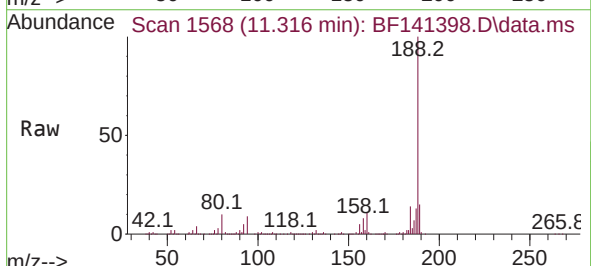
Tgt Ion: 77 Resp: 47598
Ion Ratio Lower Upper
77 100
182 26.4 5.1 45.1
105 21.3 1.8 41.8
51 35.2 14.0 54.0

Manual Integrations
APPROVED

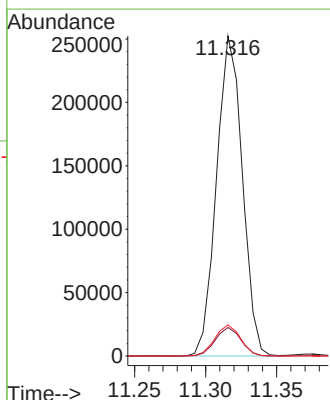
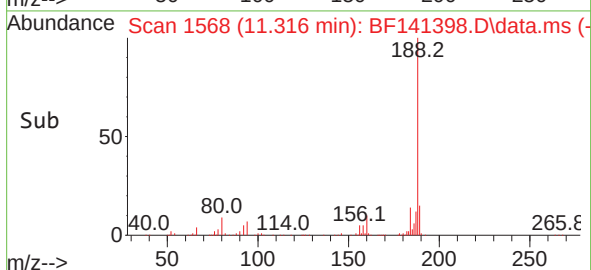
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

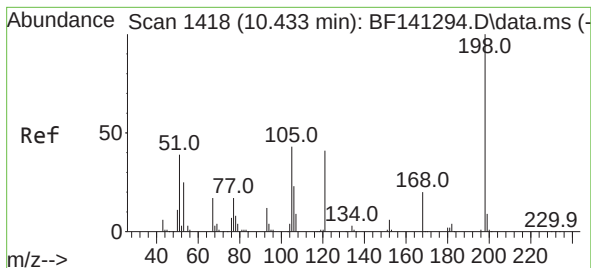


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



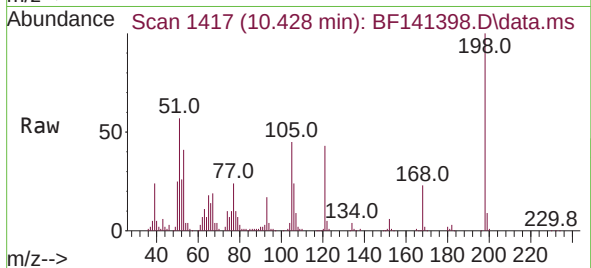
Tgt Ion:188 Resp: 318826
Ion Ratio Lower Upper
188 100
94 8.9 7.8 11.6
80 9.7 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

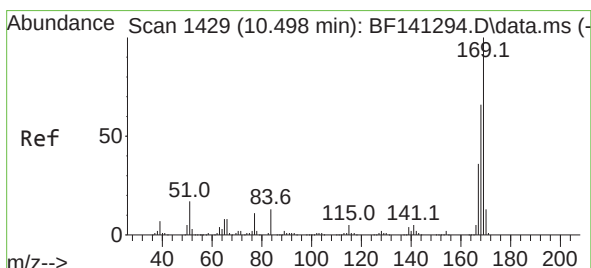
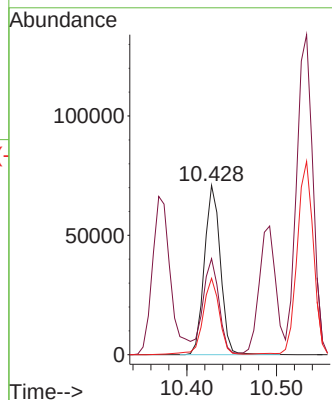
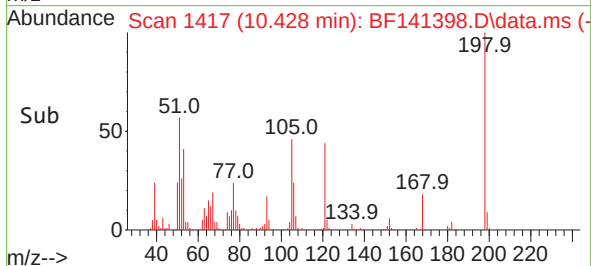
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



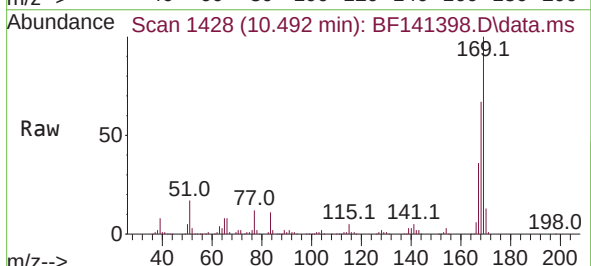
Tgt Ion:198 Resp: 87640
Ion Ratio Lower Upper
198 100
51 56.8 33.4 73.4
105 45.1 24.4 64.4

Manual Integrations
APPROVED

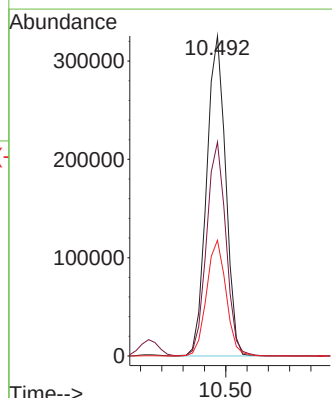
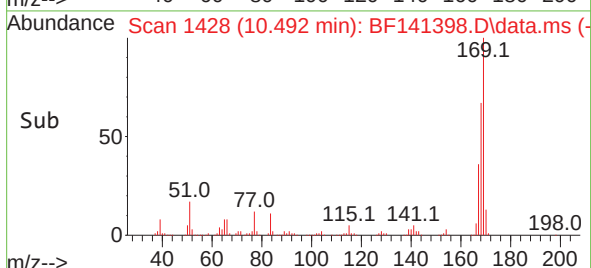
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

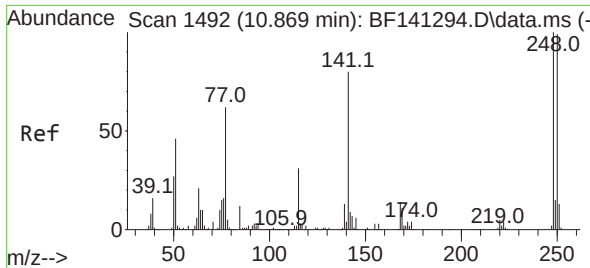


#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



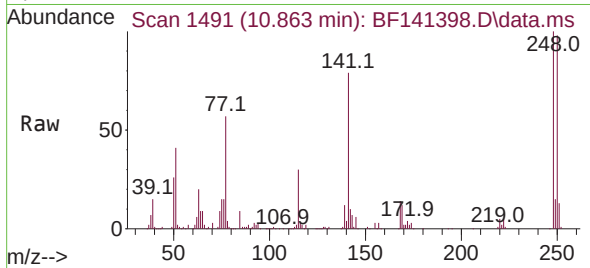
Tgt Ion:169 Resp: 404177
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

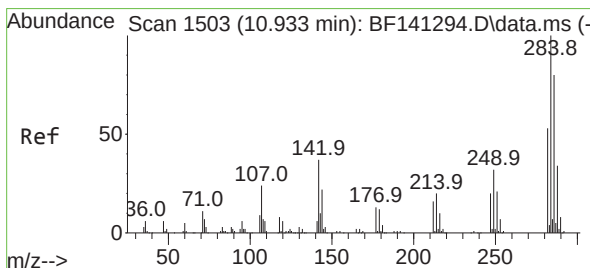
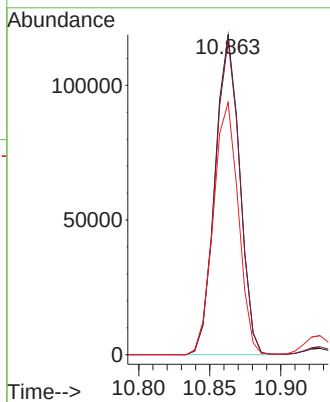
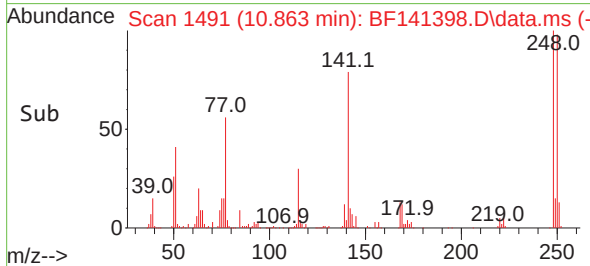
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



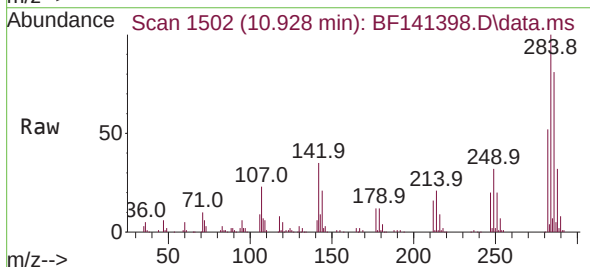
Tgt Ion:248 Resp: 143325
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.4
141 78.8 63.7 95.5

Manual Integrations
APPROVED

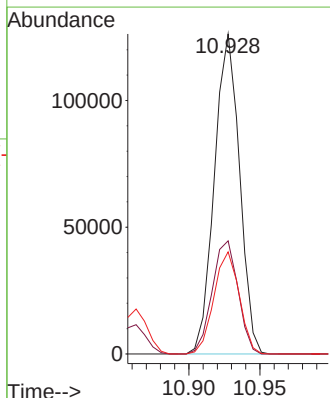
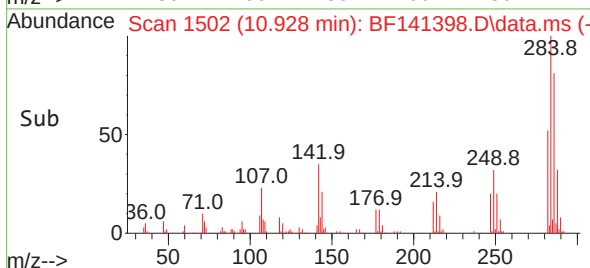
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

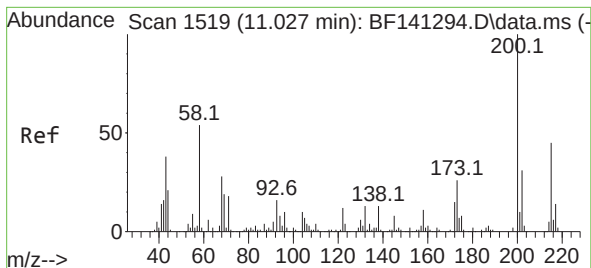


#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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

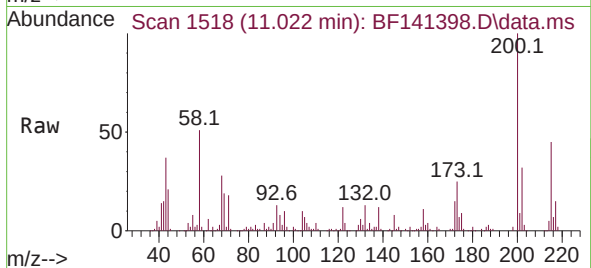
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

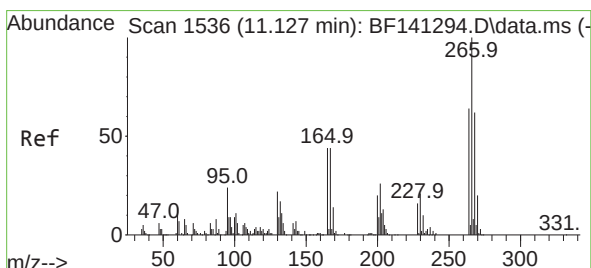
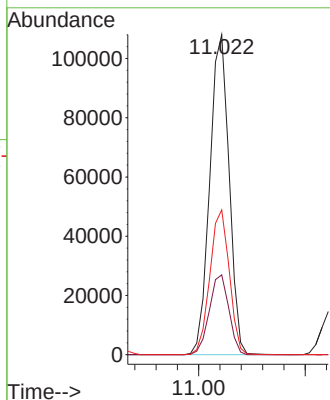
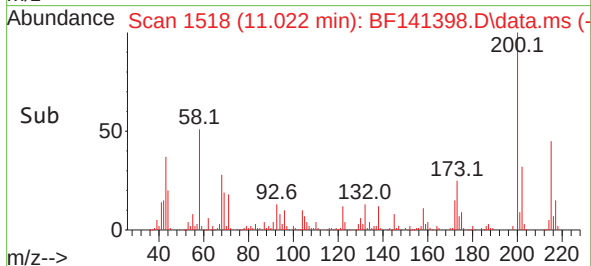


Tgt Ion:200	Resp: 13642
Ion Ratio	Lower Upper
200 100	
173 25.0	5.9 45.9
215 45.3	25.2 65.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 46.366 ng

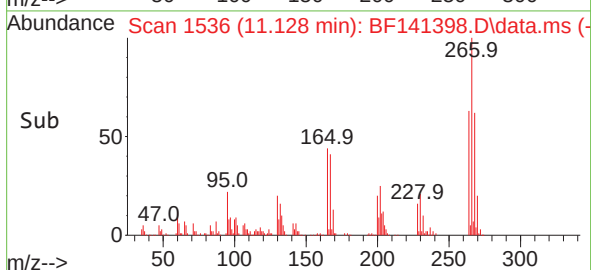
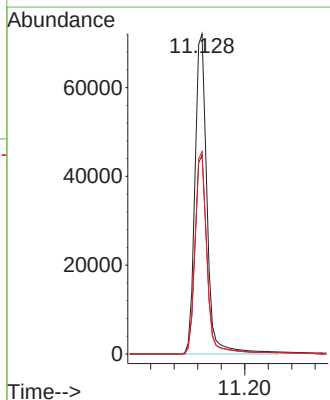
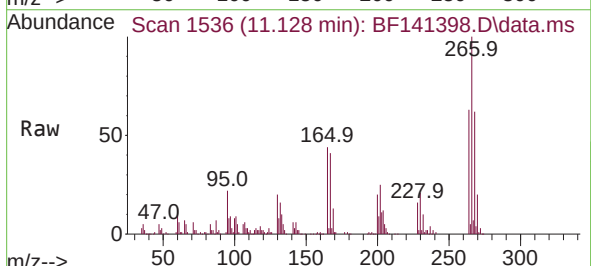
RT: 11.128 min Scan# 1536

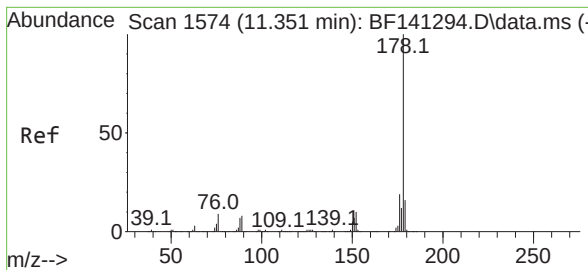
Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

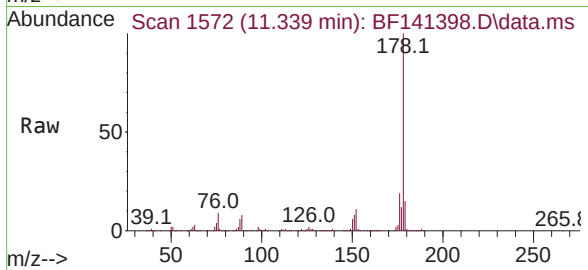
Tgt Ion:266	Resp: 102799
Ion Ratio	Lower Upper
266 100	
268 62.2	49.9 74.9
264 63.2	51.0 76.4





#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

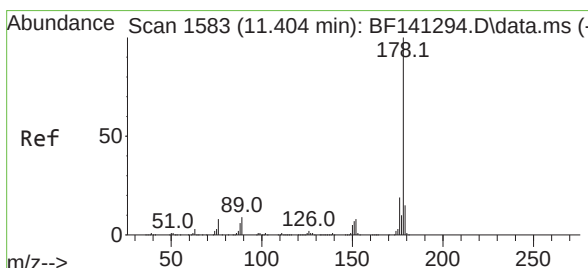
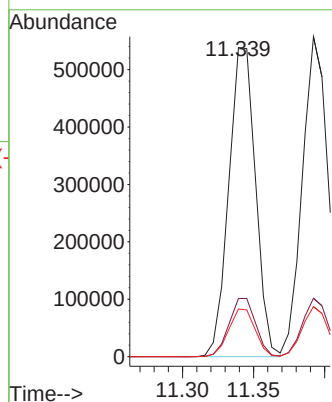
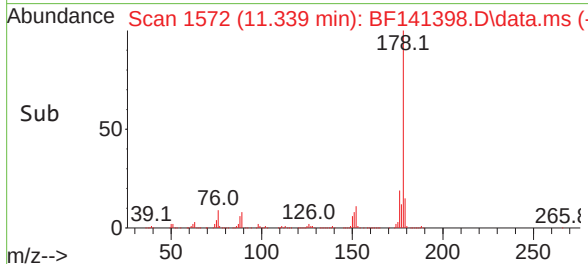
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



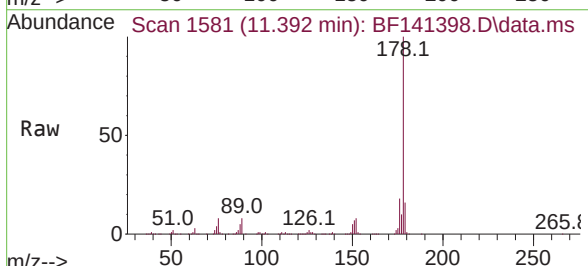
Tgt Ion:178 Resp: 707114
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.4 12.5 18.7

Manual Integrations
APPROVED

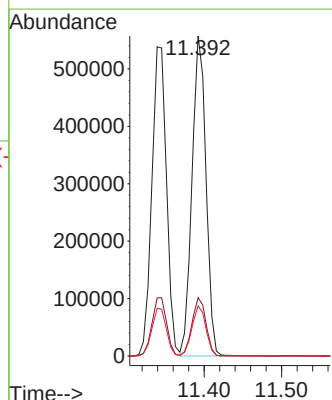
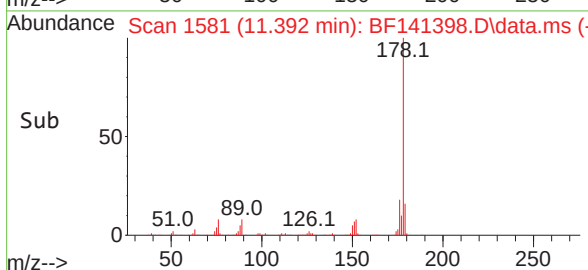
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

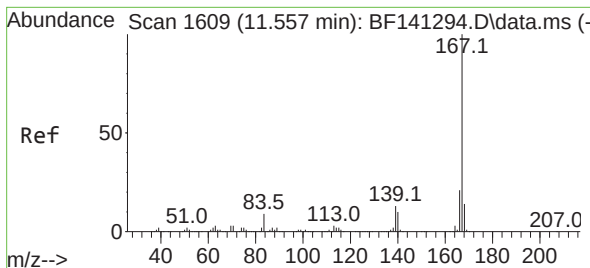


#72
Anthracene
Concen: 41.470 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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





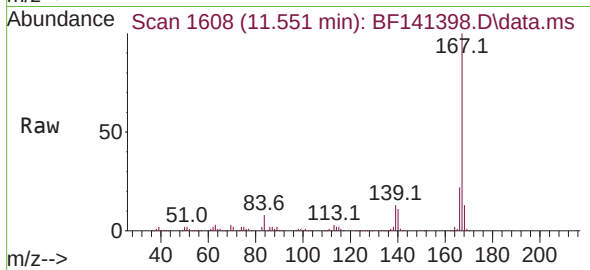
#73
 Carbazole
 Concen: 44.044 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

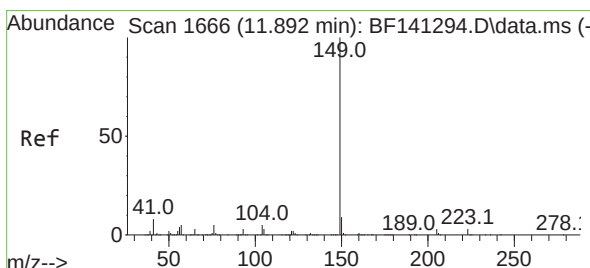
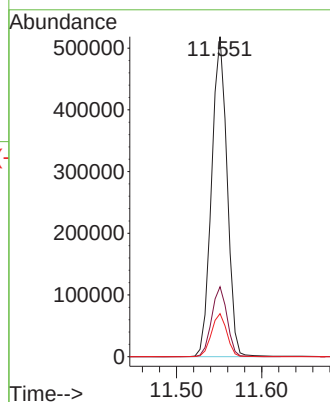
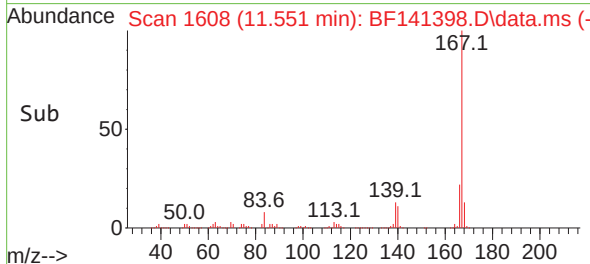
SSTDCCC040



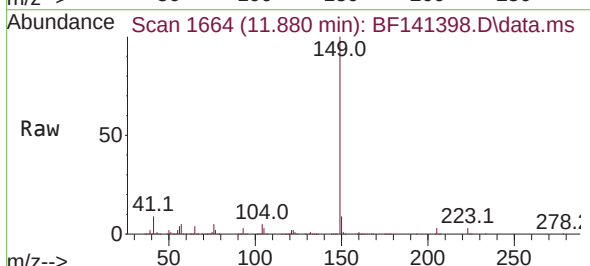
Tgt Ion:167 Resp: 65582
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.4 10.6 16.0

Manual Integrations
 APPROVED

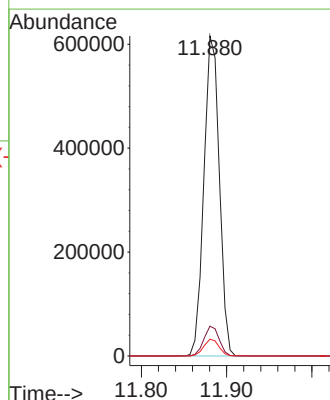
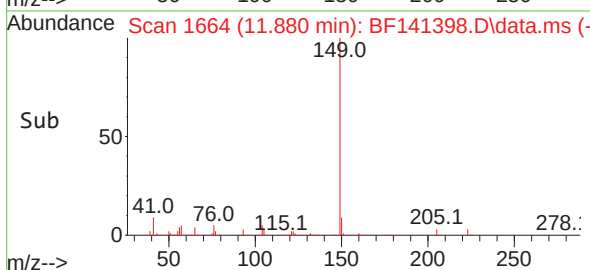
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

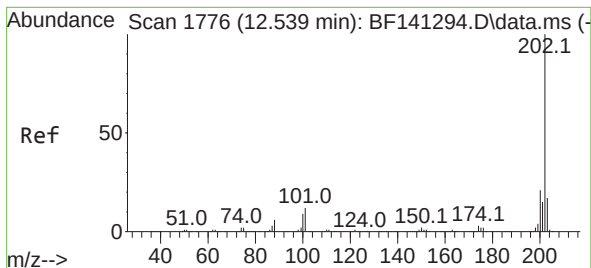


#74
 Di-n-butylphthalate
 Concen: 42.899 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42



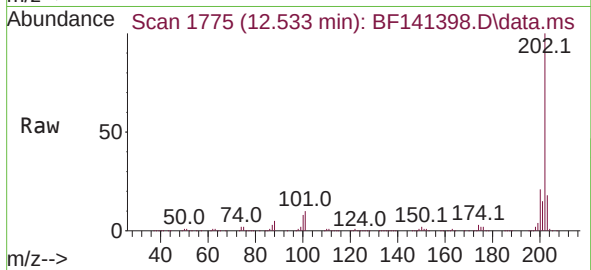
Tgt Ion:149 Resp: 774119
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.3 3.9 5.9





#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

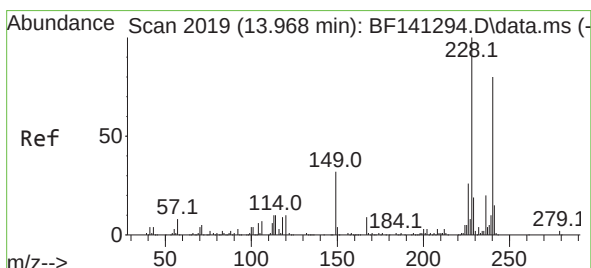
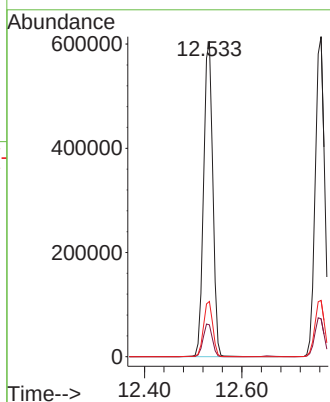
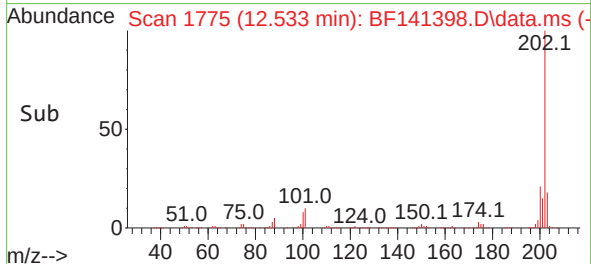
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



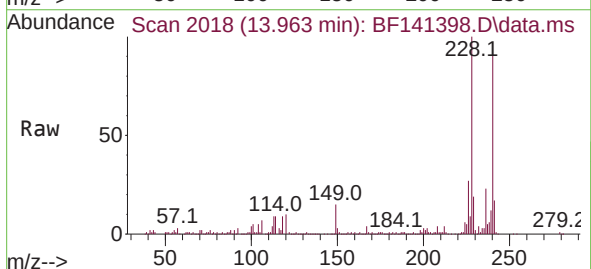
Tgt Ion:202 Resp: 790425
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.7
203 17.5 0.0 37.5

Manual Integrations
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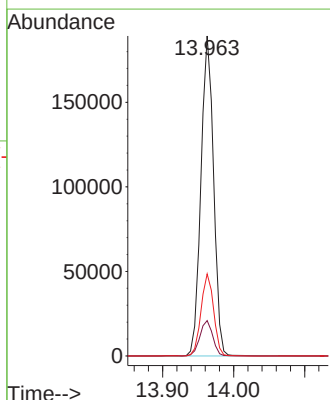
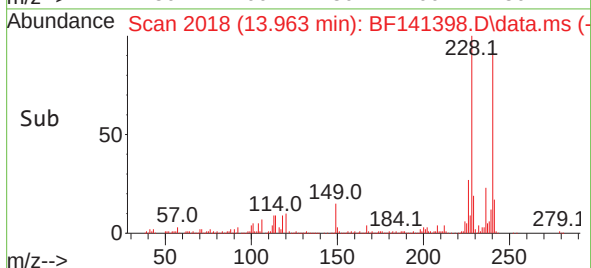
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

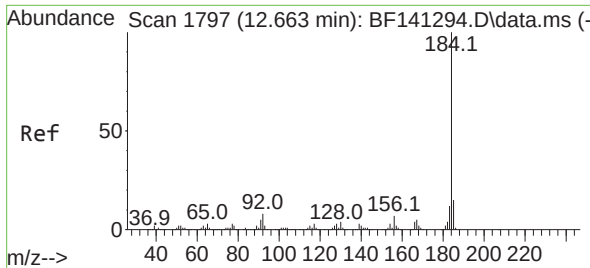


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



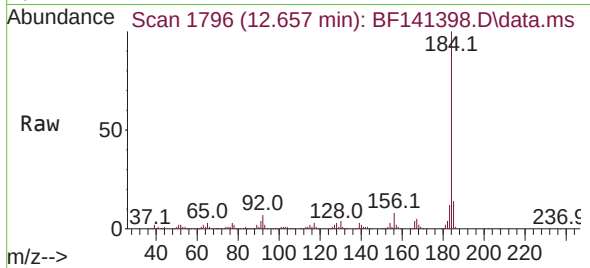
Tgt Ion:240 Resp: 235294
Ion Ratio Lower Upper
240 100
120 11.1 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 37.710 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

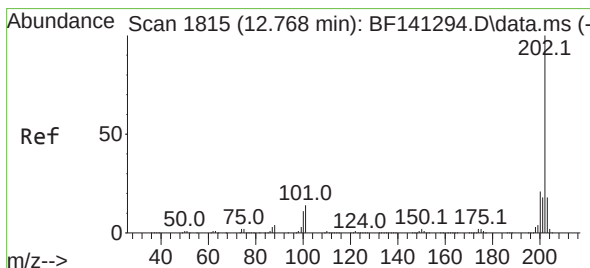
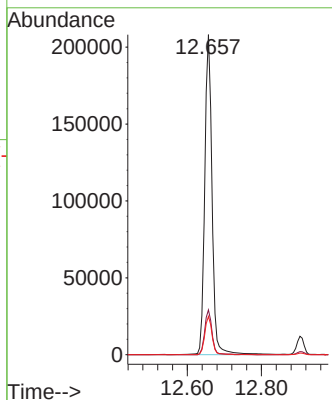
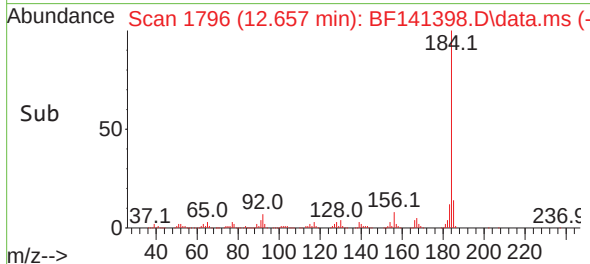
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



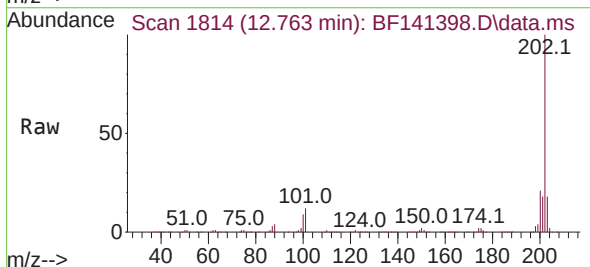
Tgt Ion:184 Resp: 28445
Ion Ratio Lower Upper
184 100
185 14.0 11.9 17.9
183 12.0 9.5 14.3

Manual Integrations
APPROVED

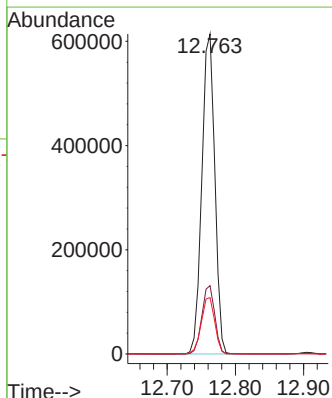
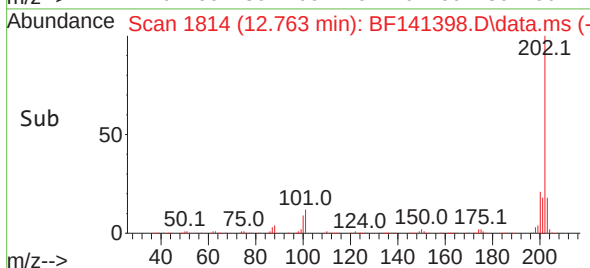
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

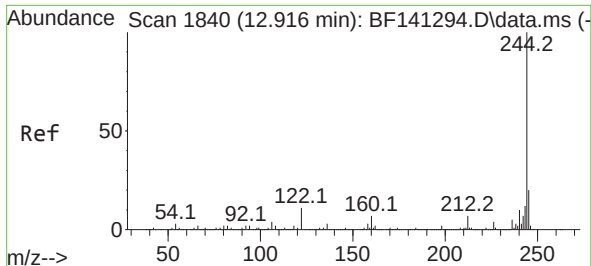


#78
Pyrene
Concen: 36.018 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



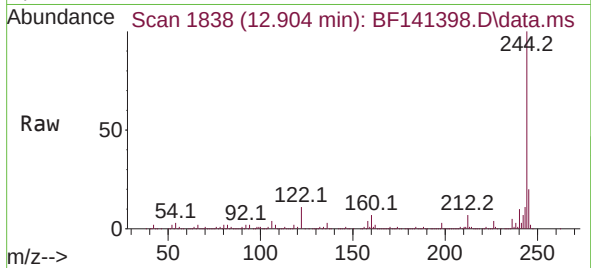
Tgt Ion:202 Resp: 813495
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 74.022 ng
 RT: 12.904 min Scan# 112937
 Delta R.T. -0.012 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

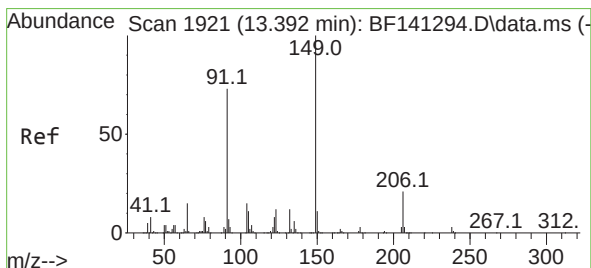
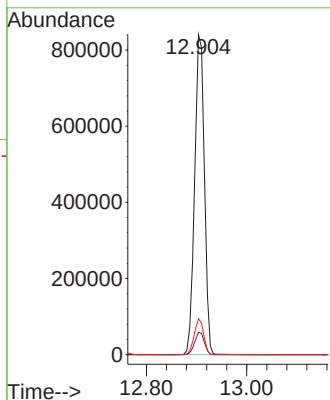
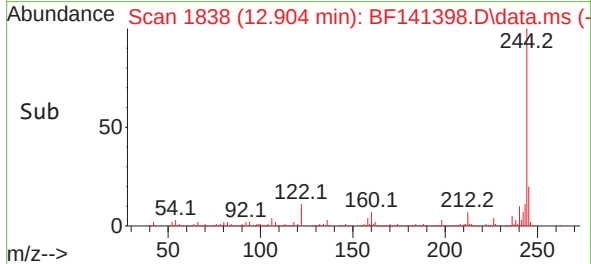
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



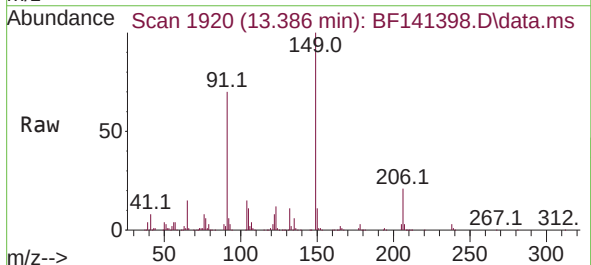
Tgt Ion:244 Resp: 112937
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.3 8.8 13.2

Manual Integrations
 APPROVED

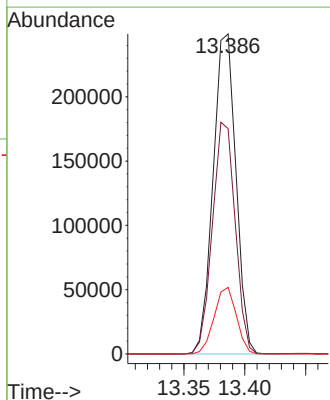
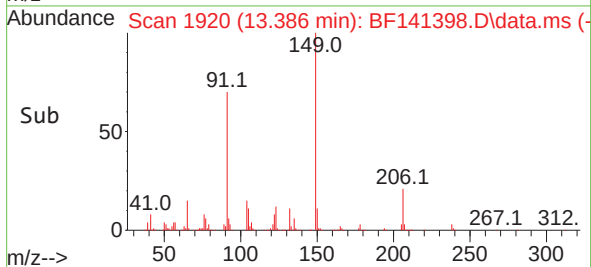
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

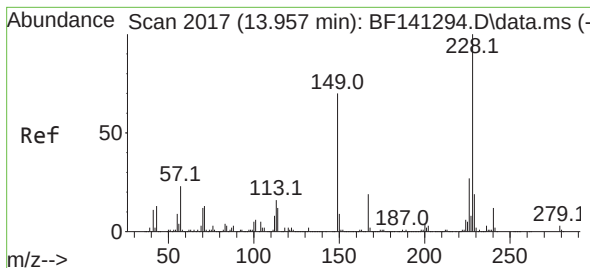


#80
 Butylbenzylphthalate
 Concen: 41.239 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42



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





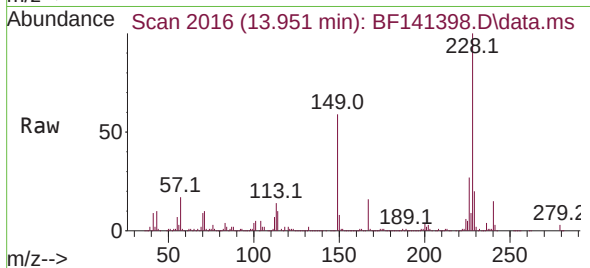
#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

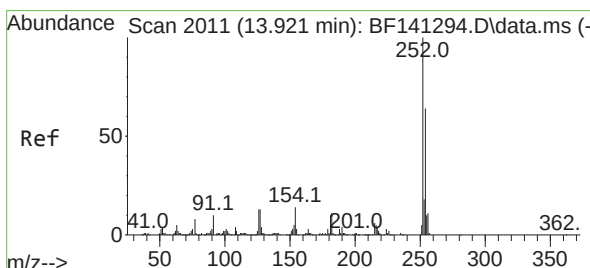
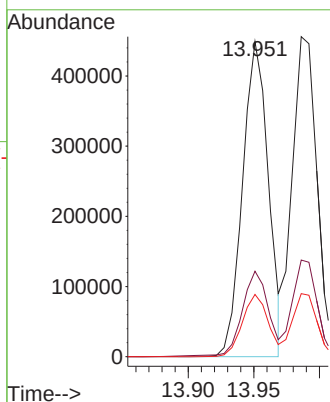
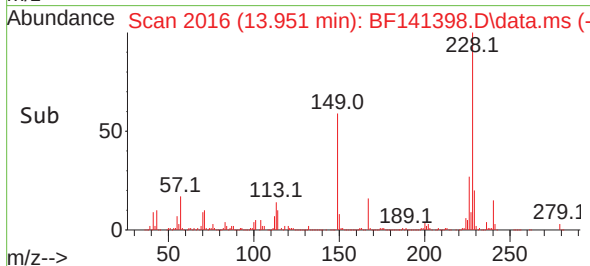
SSTDCCC040



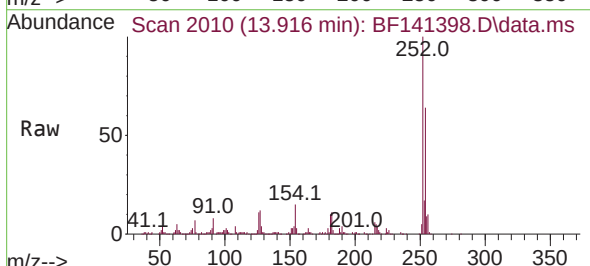
Tgt Ion:228 Resp: 614138
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3

Manual Integrations
APPROVED

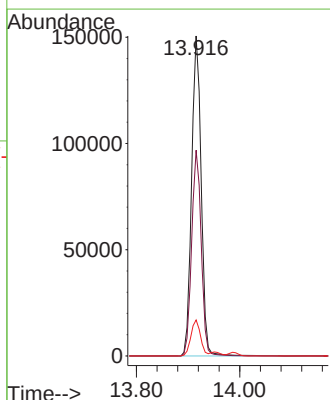
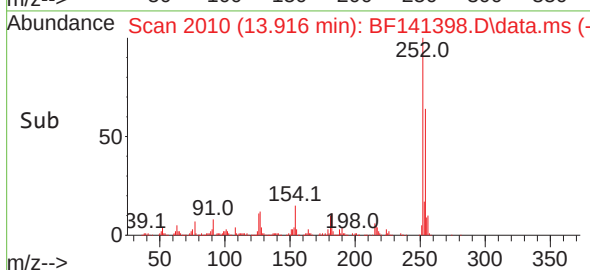
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

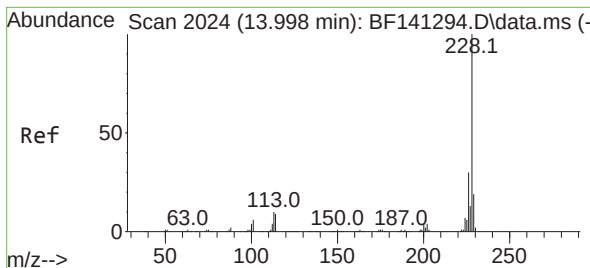


#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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 :

SSTCCCC040

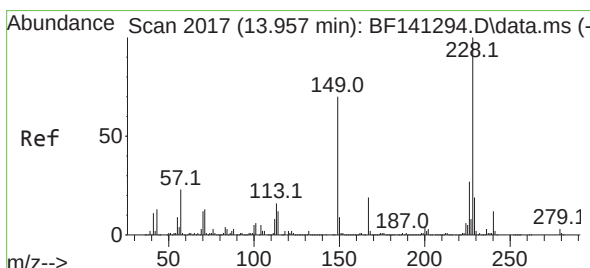
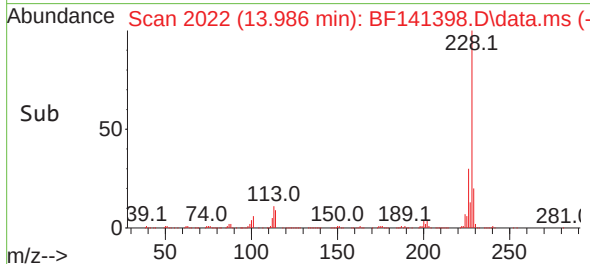
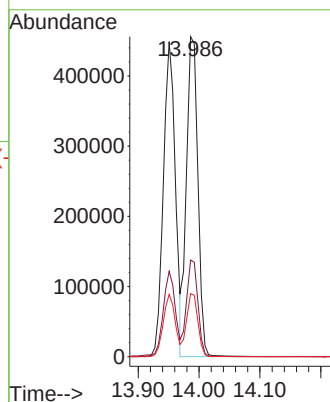
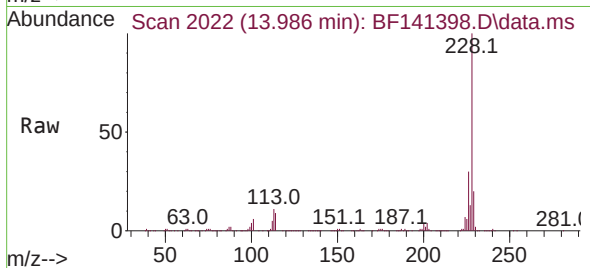
Tgt Ion:228 Resp: 597592
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.1 36.1
 229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.781 ng

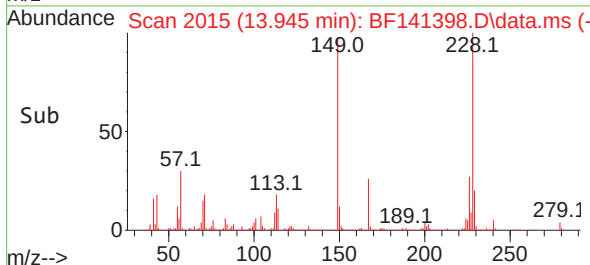
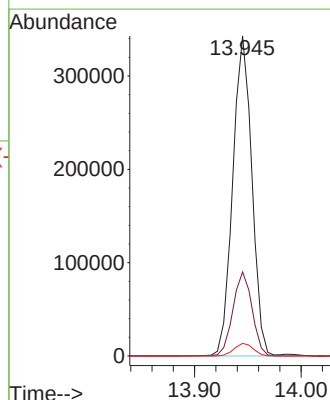
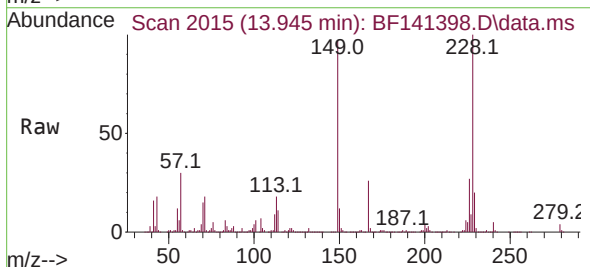
RT: 13.945 min Scan# 2015

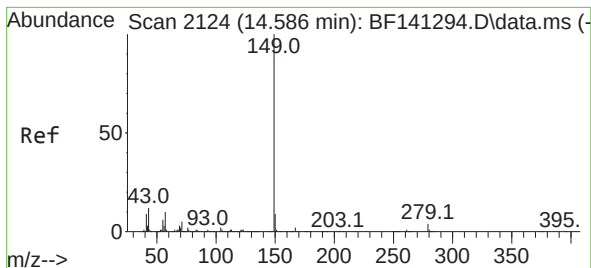
Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

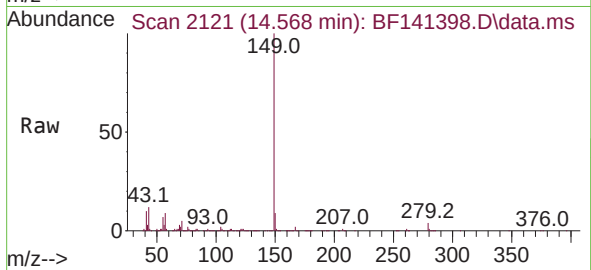
Tgt Ion:149 Resp: 428215
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.8 32.8
 279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 42.840 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

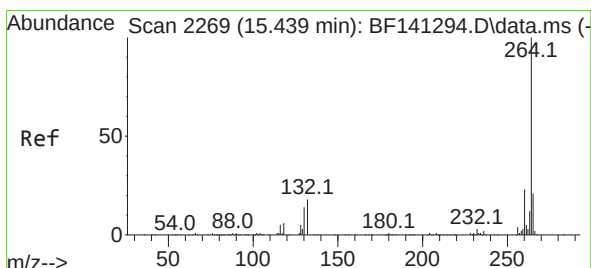
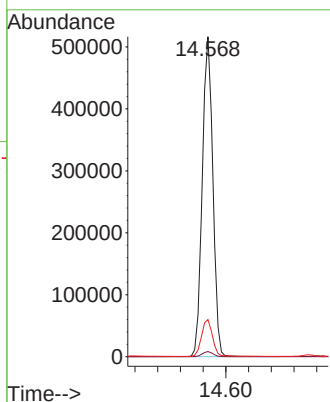
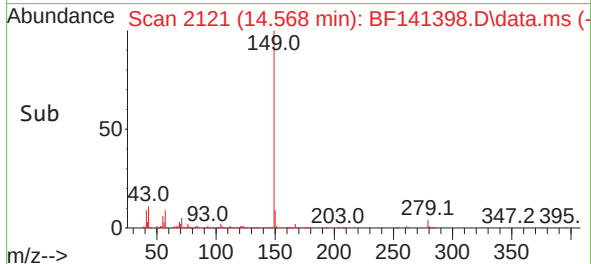
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



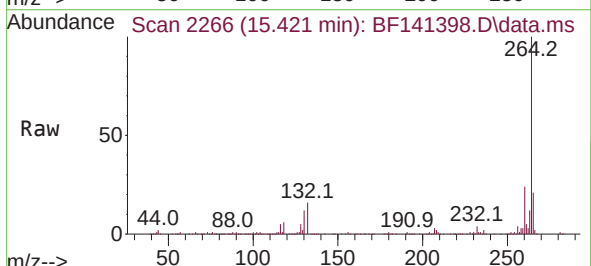
Tgt Ion:149 Resp: 66602
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8

Manual Integrations
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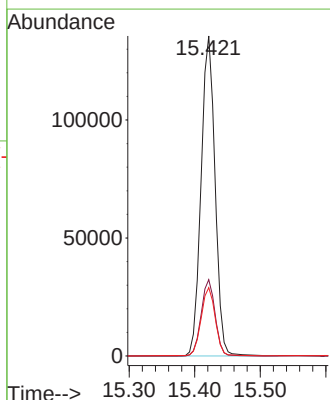
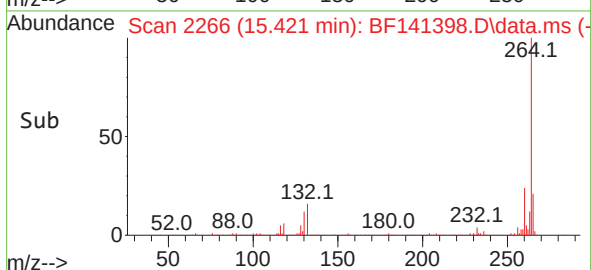
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

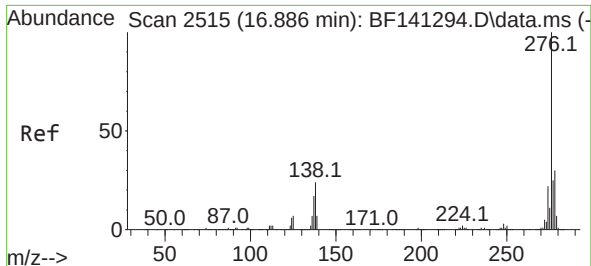


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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





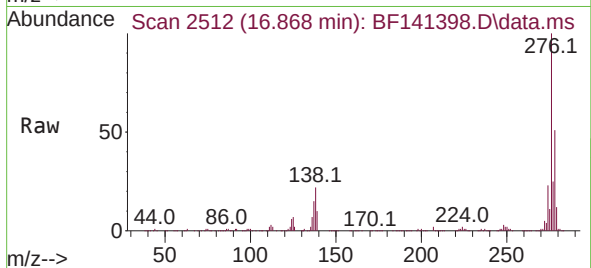
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.469 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



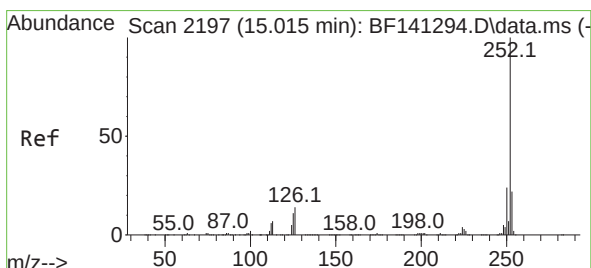
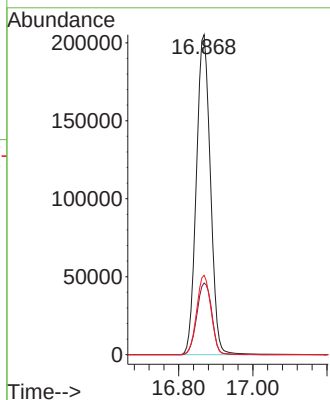
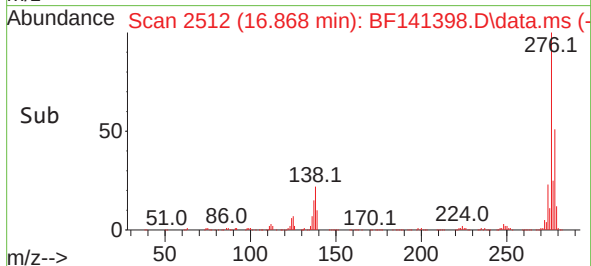
Tgt Ion:276 Resp: 53988
Ion Ratio Lower Upper
276 100
138 23.8 21.7 32.5
277 25.2 20.3 30.5

Manual Integrations

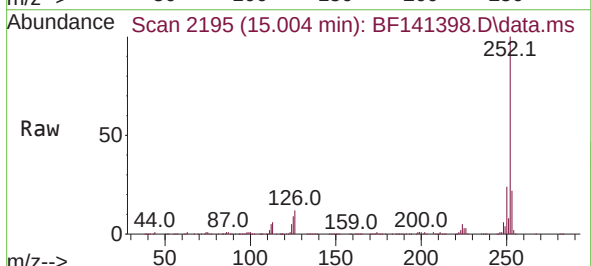
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

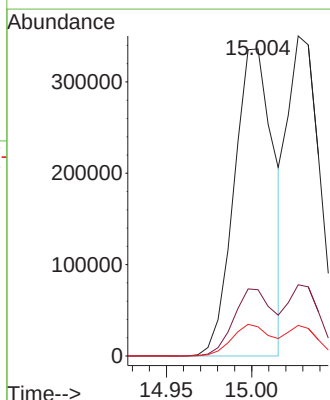
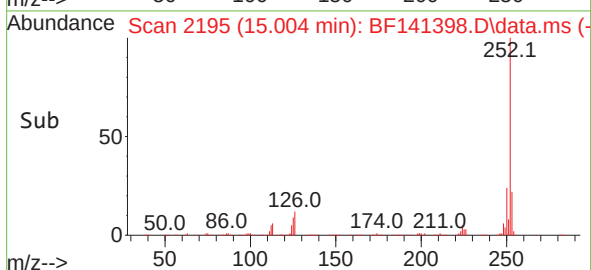
Supervised By :mohammad ahmed 02/05/2025

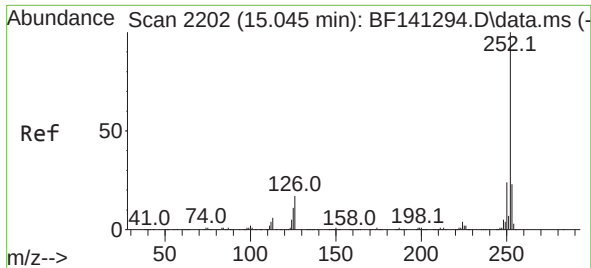


#88
Benzo(b)fluoranthene
Concen: 42.641 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42



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

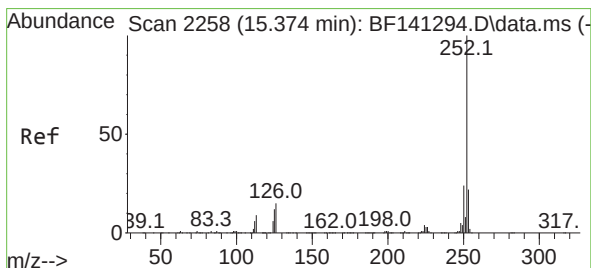
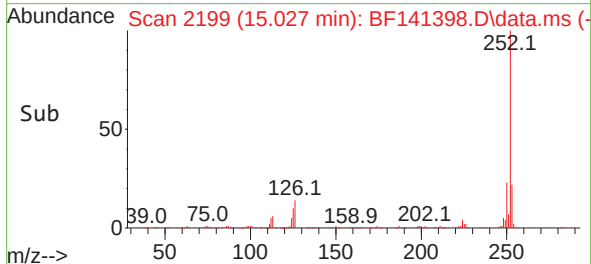
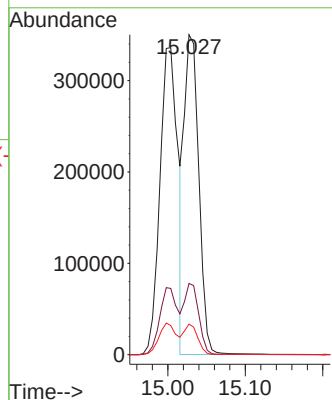
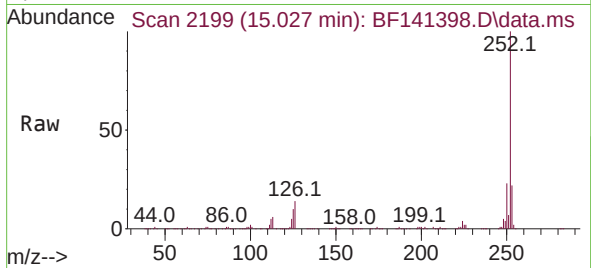
ClientSampleId :

SSTCCCC040

Tgt Ion:252 Resp: 45992
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 9.5 8.4 12.6

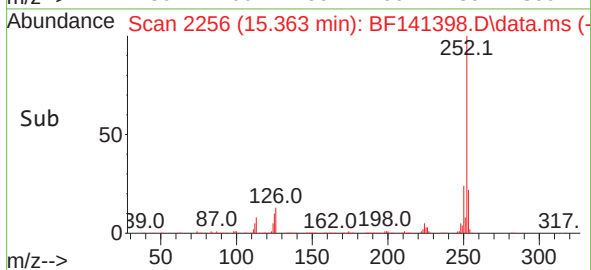
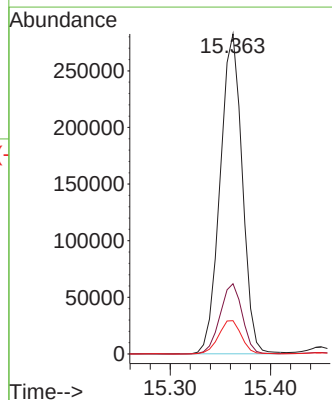
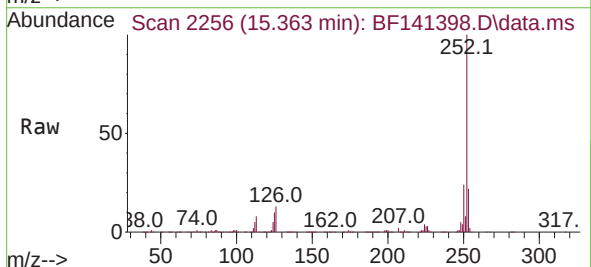
Manual Integrations
APPROVED

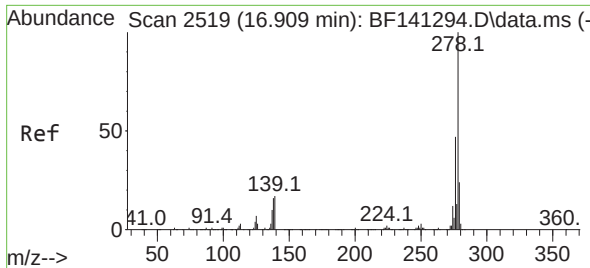
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#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





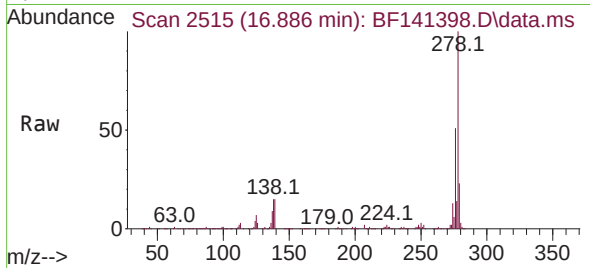
#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 2519
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



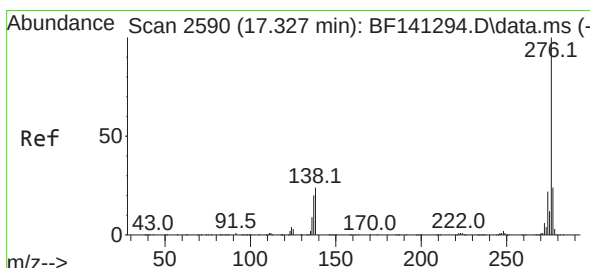
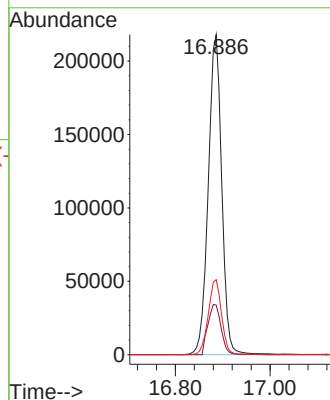
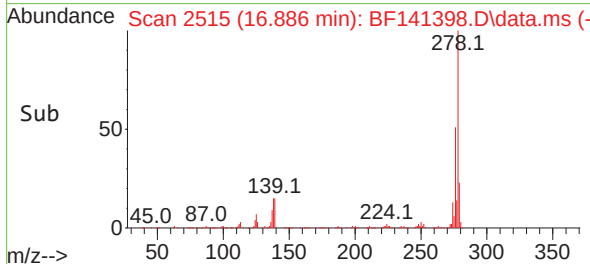
Tgt Ion:278 Resp: 430740
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.4 18.8 28.2

Manual Integrations

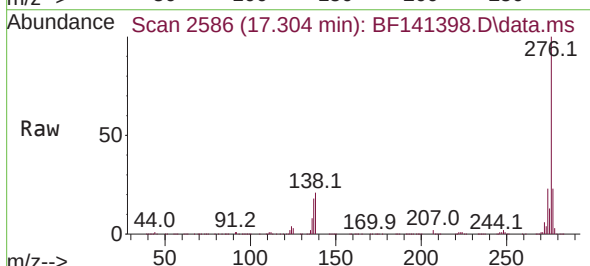
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

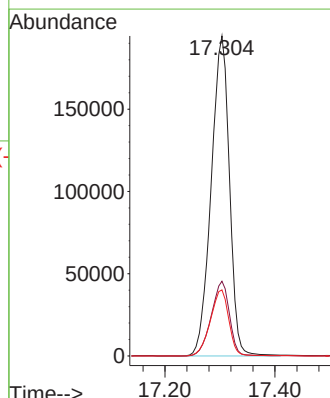
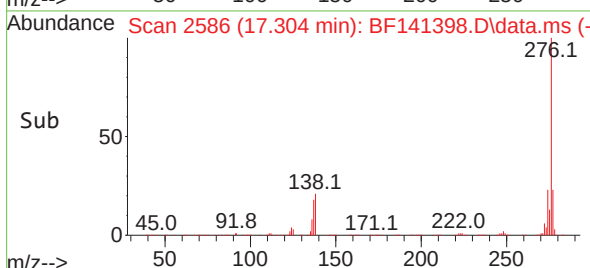
Supervised By :mohammad ahmed 02/05/2025



#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 :
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)
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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.294		1.4	
Benzaldehyde	0.857	0.844		-1.5	
Phenol-d6	1.612	1.599		-0.8	
Phenol	1.678	1.676		-0.1	20.0
bis(2-Chloroethyl)ether	1.261	1.237		-1.9	
2-Chlorophenol	1.378	1.383		0.4	
2-Methylphenol	1.079	1.064		-1.4	
2,2-oxybis(1-Chloropropane)	2.158	2.121		-1.7	
Acetophenone	0.498	0.489		-1.8	
3+4-Methylphenols	1.371	1.329		-3.1	
n-Nitroso-di-n-propylamine	0.964	0.978	0.050	1.5	
Nitrobenzene-d5	0.383	0.384		0.3	
Hexachloroethane	0.550	0.545		-0.9	
Nitrobenzene	0.374	0.372		-0.5	
Isophorone	0.611	0.607		-0.7	
2-Nitrophenol	0.186	0.191		2.7	20.0
2,4-Dimethylphenol	0.217	0.219		0.9	
bis(2-Chloroethoxy)methane	0.392	0.396		1.0	
2,4-Dichlorophenol	0.294	0.296		0.7	20.0
Naphthalene	1.041	1.040		-0.1	
4-Chloroaniline	0.363	0.327		-9.9	
Hexachlorobutadiene	0.192	0.191		-0.5	20.0
Caprolactam	0.089	0.093		4.5	
4-Chloro-3-methylphenol	0.325	0.326		0.3	20.0
2-Methylnaphthalene	0.677	0.668		-1.3	
Hexachlorocyclopentadiene	0.192	0.193	0.050	0.5	
2,4,6-Trichlorophenol	0.374	0.368		-1.6	20.0
2-Fluorobiphenyl	1.298	1.268		-2.3	
2,4,5-Trichlorophenol	0.405	0.399		-1.5	
1,1-Biphenyl	1.551	1.528		-1.5	
2-Chloronaphthalene	1.147	1.132		-1.3	
2-Nitroaniline	0.385	0.385		0.0	
Dimethylphthalate	1.358	1.338		-1.5	
Acenaphthylene	1.705	1.697		-0.5	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.315		-1.3	
Acenaphthene	1.147	1.116		-2.7	20.0
2,4-Dinitrophenol	0.176	0.169	0.050	-4.0	
4-Nitrophenol	0.237	0.240	0.050	1.3	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.655		-1.7	
2,4-Dinitrotoluene	0.395	0.400		1.3	
Diethylphthalate	1.336	1.313		-1.7	
4-Chlorophenyl-phenylether	0.626	0.616		-1.6	
Fluorene	1.301	1.278		-1.8	
4-Nitroaniline	0.324	0.326		0.6	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.631		-1.4	20.0
2,4,6-Tribromophenol	0.201	0.200		-0.5	
4-Bromophenyl-phenylether	0.224	0.217		-3.1	
Hexachlorobenzene	0.230	0.229		-0.4	
Atrazine	0.192	0.182		-5.2	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.082		-1.7	
Anthracene	1.107	1.095		-1.1	
Carbazole	0.996	1.004		0.8	
Di-n-butylphthalate	1.150	1.152		0.2	
Fluoranthene	1.167	1.168		0.1	20.0
Pyrene	1.703	1.702		-0.1	
Terphenyl-d14	1.185	1.171		-1.2	
Butylbenzylphthalate	0.590	0.640		8.5	
3,3-Dichlorobenzidine	0.381	0.385		1.0	
Benzo (a) anthracene	1.329	1.316		-1.0	
Chrysene	1.228	1.167		-5.0	
Bis (2-ethylhexyl) phthalate	0.665	0.759		14.1	
Di-n-octyl phthalate	0.949	1.017		7.2	20.0
Benzo (b) fluoranthene	1.343	1.426		6.2	
Benzo (k) fluoranthene	1.147	1.070		-6.7	
Benzo (a) pyrene	1.087	1.090		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.245		0.7	
Dibenzo (a,h) anthracene	1.001	1.011		1.0	
Benzo (g,h,i) perylene	1.048	1.028		-1.9	
1,2,4,5-Tetrachlorobenzene	0.579	0.571		-1.4	
1,4-Dioxane	0.513	0.512		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.346		-0.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 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

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91880	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	360290	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	198348	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	340922	20.000	ng	0.00
76) Chrysene-d12	13.957	240	238177	20.000	ng	0.00
86) Perylene-d12	15.416	264	192868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	475650	81.160	ng	0.00
7) Phenol-d6	6.428	99	587648	79.333	ng	-0.01
23) Nitrobenzene-d5	7.357	82	553575	80.140	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	158428	79.512	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1006130	78.150	ng	0.00
79) Terphenyl-d14	12.904	244	1115806	79.087	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	94001	39.852	ng	100
3) Pyridine	3.199	79	234861	41.842	ng	99
4) n-Nitrosodimethylamine	3.157	42	146825	39.505	ng	96
6) Aniline	6.451	93	276601	39.807	ng	94
8) 2-Chlorophenol	6.575	128	254071	40.121	ng	96
9) Benzaldehyde	6.340	77	155074	39.396	ng	100
10) Phenol	6.446	94	307937	39.942	ng	99
11) bis(2-Chloroethyl)ether	6.528	93	227223	39.239	ng	99
12) 1,3-Dichlorobenzene	6.728	146	265506	39.713	ng	98
13) 1,4-Dichlorobenzene	6.804	146	265354	38.847	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252127	39.770	ng	100
15) Benzyl Alcohol	6.934	79	221923	39.069	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	389773	39.320	ng	99
17) 2-Methylphenol	7.051	107	195478	39.445	ng	99
18) Hexachloroethane	7.298	117	100140	39.613	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	179697	40.556	ng	97
20) 3+4-Methylphenols	7.204	107	244214	38.777	ng	98
22) Acetophenone	7.198	105	352167	39.294	ng	99
24) Nitrobenzene	7.375	77	268254	39.825	ng	100
25) Isophorone	7.610	82	437623	39.733	ng	100
26) 2-Nitrophenol	7.687	139	137445	41.014	ng	99
27) 2,4-Dimethylphenol	7.728	122	158012	40.362	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	285112	40.398	ng	100
29) 2,4-Dichlorophenol	7.940	162	213366	40.337	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	229655	39.869	ng	99
31) Naphthalene	8.092	128	749587	39.968	ng	100
32) Benzoic acid	7.857	122	163033	40.092	ng	98
33) 4-Chloroaniline	8.145	127	235464	35.960	ng	100
34) Hexachlorobutadiene	8.210	225	137788	39.845	ng	99
35) Caprolactam	8.516	113	67233	41.746	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	234989	40.105	ng	100
37) 2-Methylnaphthalene	8.787	142	481204	39.430	ng	100
38) 1-Methylnaphthalene	8.881	142	465894	39.416	ng	97
40) 1,2,4,5-Tetrachloroben...	8.951	216	226553	39.480	ng	99
41) Hexachlorocyclopentadiene	8.934	237	76451	40.055	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	145794	39.310	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 15:09:24 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)
44) 2,4,5-Trichlorophenol	9.110	196	158176	39.352	ng	99
46) 1,1'-Biphenyl	9.251	154	606143	39.417	ng	100
47) 2-Chloronaphthalene	9.275	162	448999	39.485	ng	100
48) 2-Nitroaniline	9.375	65	152856	40.054	ng	98
49) Acenaphthylene	9.686	152	673155	39.800	ng	99
50) Dimethylphthalate	9.551	163	530887	39.426	ng	99
51) 2,6-Dinitrotoluene	9.616	165	116863	39.701	ng	99
52) Acenaphthene	9.863	154	442729m	38.936	ng	
53) 3-Nitroaniline	9.786	138	124846	39.406	ng	99
54) 2,4-Dinitrophenol	9.892	184	67053	38.328	ng	97
55) Dibenzofuran	10.034	168	656713	39.347	ng	100
56) 4-Nitrophenol	9.957	139	95307	40.524	ng	97
57) 2,4-Dinitrotoluene	10.016	165	158641	40.483	ng	97
58) Fluorene	10.375	166	507132	39.298	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	137272	39.668	ng	97
60) Diethylphthalate	10.251	149	520921	39.320	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	244431	39.371	ng	99
62) 4-Nitroaniline	10.398	138	129336	40.203	ng	97
63) Azobenzene	10.528	77	516030	39.181	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	94709	39.992	ng	98
66) n-Nitrosodiphenylamine	10.486	169	430480	39.446	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	148075	38.862	ng	96
68) Hexachlorobenzene	10.922	284	156412	39.865	ng	98
69) Atrazine	11.016	200	124255	37.952	ng	99
70) Pentachlorophenol	11.122	266	100181	39.932	ng	99
71) Phenanthrene	11.339	178	737878	39.319	ng	99
72) Anthracene	11.392	178	746361	39.564	ng	100
73) Carbazole	11.545	167	684333	40.316	ng	100
74) Di-n-butylphthalate	11.880	149	785155	40.060	ng	100
75) Fluoranthene	12.527	202	796201	40.018	ng	99
77) Benzidine	12.651	184	232310	44.226	ng	99
78) Pyrene	12.757	202	810550	39.977	ng	100
80) Butylbenzylphthalate	13.374	149	305087	43.443	ng	99
81) Benzo(a)anthracene	13.945	228	626940	39.598	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	183288	40.414	ng	98
83) Chrysene	13.986	228	556110	38.041	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	361384	45.626	ng	99
85) Di-n-octyl phthalate	14.563	149	484418	42.871	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	480414	40.313	ng	100
88) Benzo(b)fluoranthene	14.998	252	549964	42.468	ng	99
89) Benzo(k)fluoranthene	15.027	252	412835	37.333	ng	99
90) Benzo(a)pyrene	15.357	252	420423	40.121	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	390089	40.397	ng	100
92) Benzo(g,h,i)perylene	17.298	276	396572	39.245	ng	99

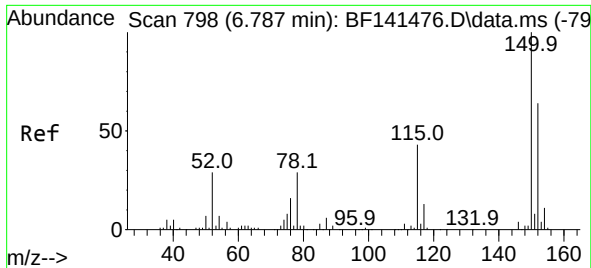
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

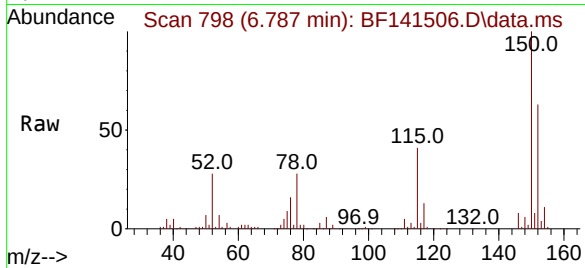
Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33

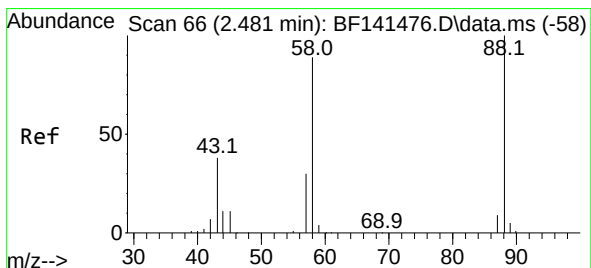
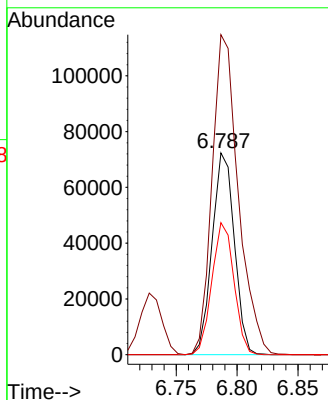
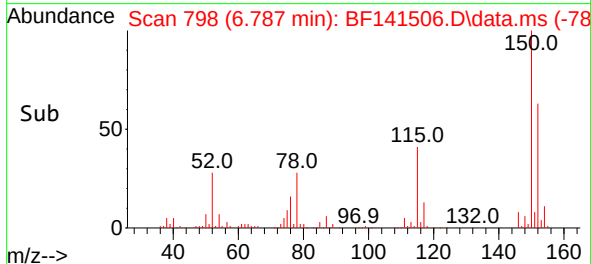
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



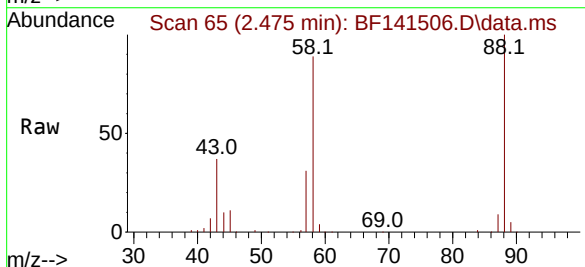
Tgt Ion: 152 Resp: 91880
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.0 187.4
 115 65.4 53.6 80.4

Manual Integrations
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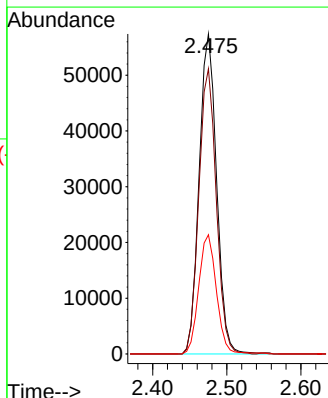
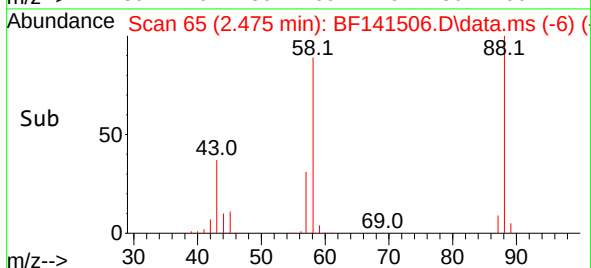
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

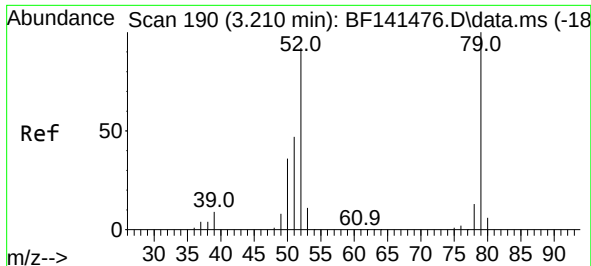


#2
 1,4-Dioxane
 Concen: 39.852 ng
 RT: 2.475 min Scan# 65
 Delta R.T. -0.006 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33



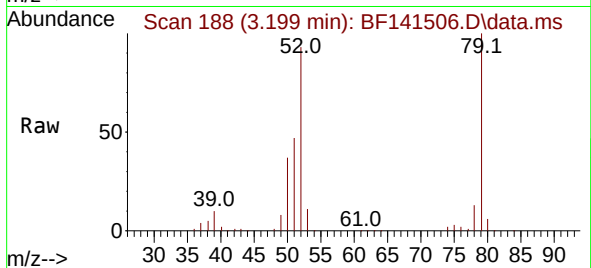
Tgt Ion: 88 Resp: 94001
 Ion Ratio Lower Upper
 88 100
 58 89.1 71.1 106.7
 43 37.9 30.6 46.0





#3
Pyridine
Concen: 41.842 ng
RT: 3.199 min Scan# 188
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

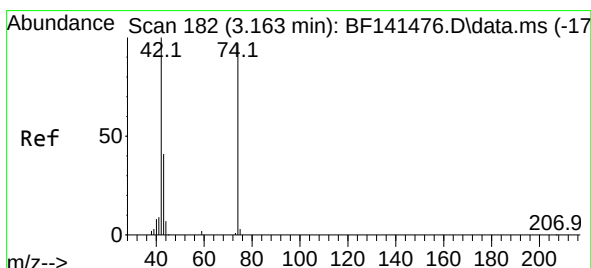
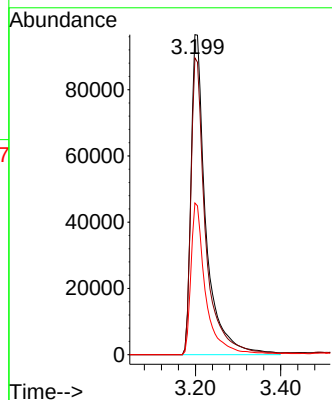
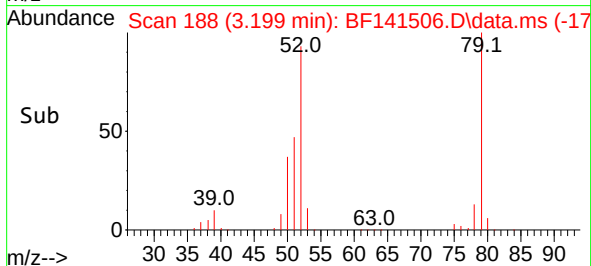
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



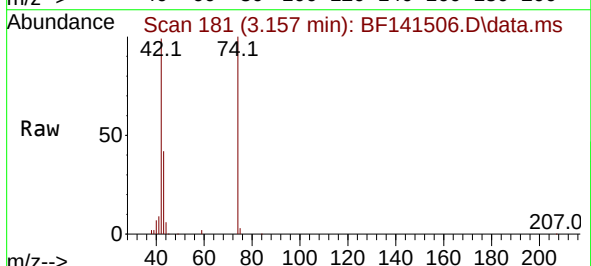
Tgt Ion: 79 Resp: 23486
Ion Ratio Lower Upper
79 100
52 92.8 73.7 110.5
51 47.4 37.5 56.3

Manual Integrations
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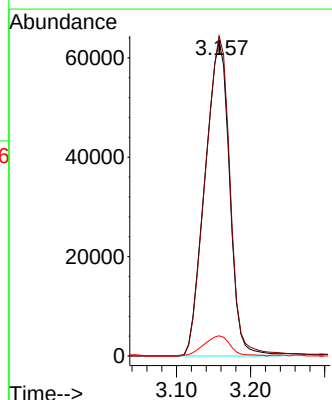
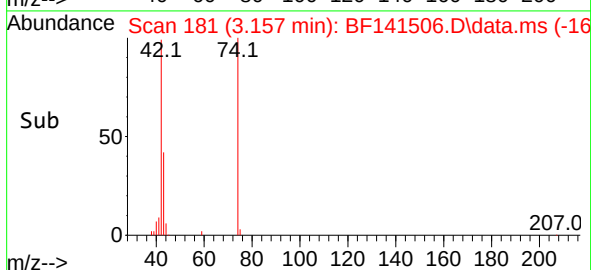
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

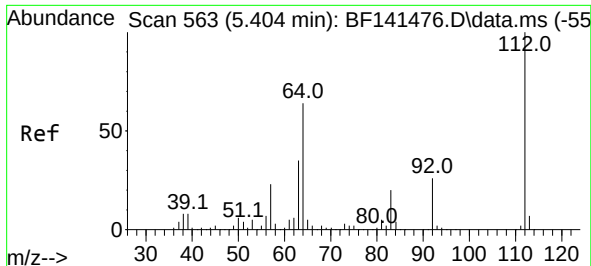


#4
n-Nitrosodimethylamine
Concen: 39.505 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion: 42 Resp: 146825
Ion Ratio Lower Upper
42 100
74 101.5 78.0 117.0
44 6.4 5.4 8.2





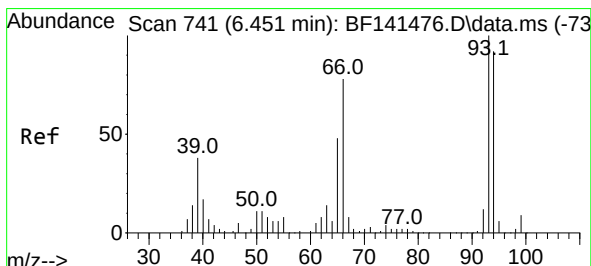
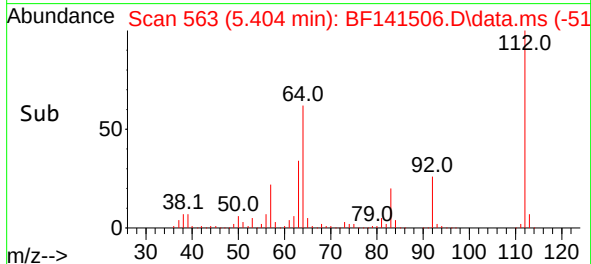
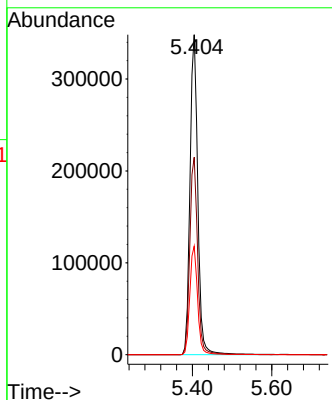
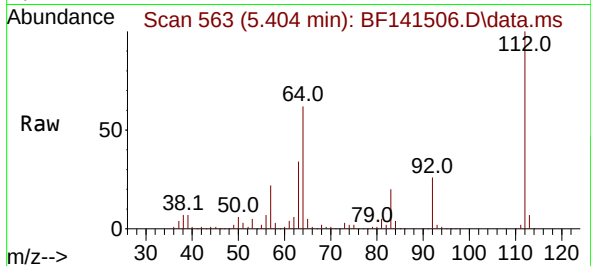
#5
2-Fluorophenol
Concen: 81.160 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 475650
Ion Ratio Lower Upper
112 100
64 61.7 51.1 76.7
63 33.9 28.4 42.6

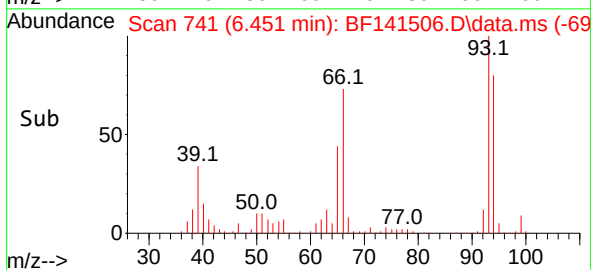
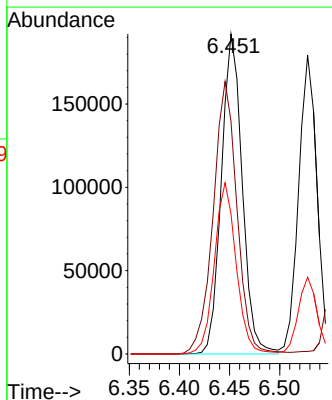
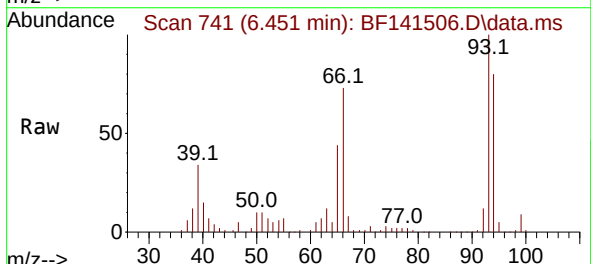
Manual Integrations
APPROVED

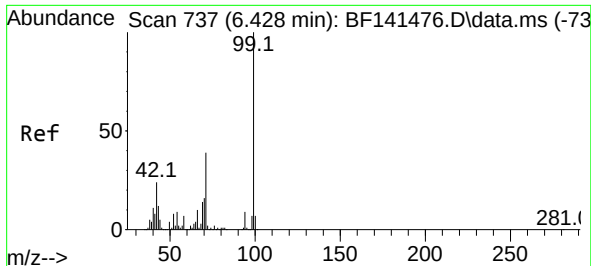
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#6
Aniline
Concen: 39.807 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

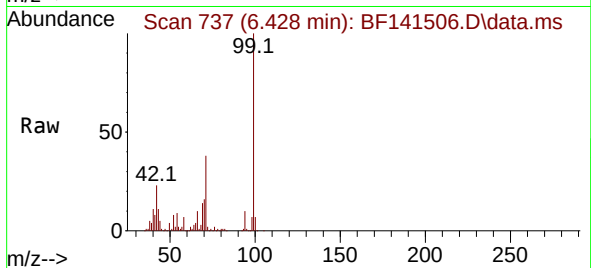
Tgt Ion: 93 Resp: 276601
Ion Ratio Lower Upper
93 100
66 72.6 62.6 94.0
65 43.8 38.3 57.5





#7
Phenol-d6
Concen: 79.333 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

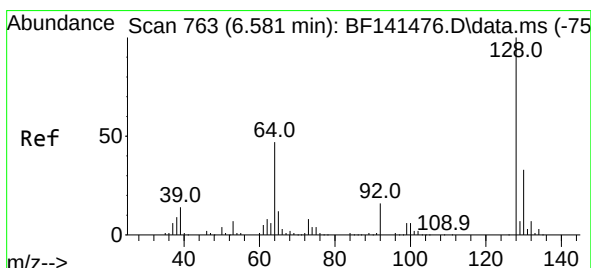
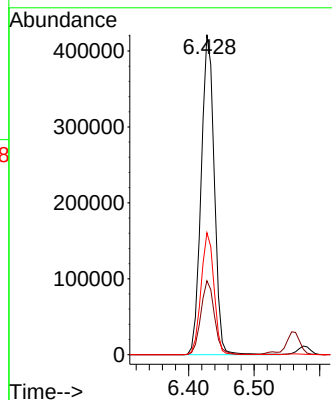
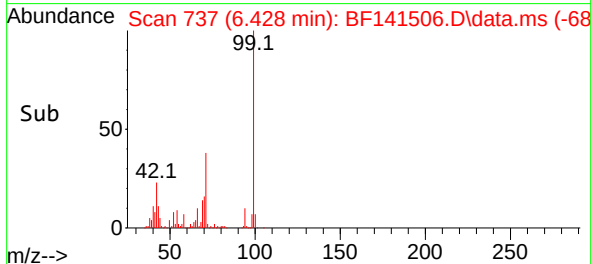
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



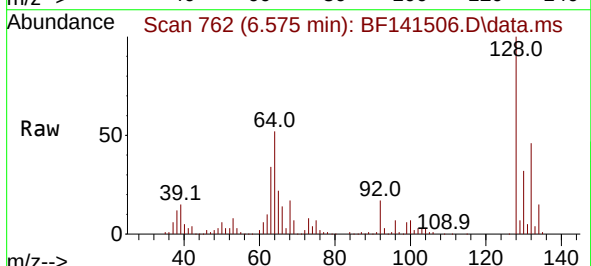
Tgt Ion: 99 Resp: 58764
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 38.1 31.1 46.7

Manual Integrations
APPROVED

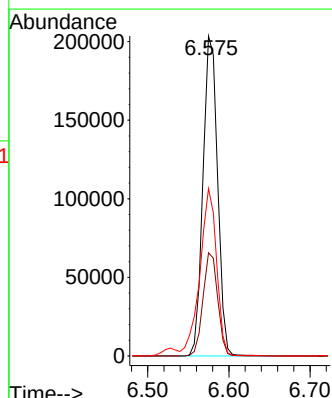
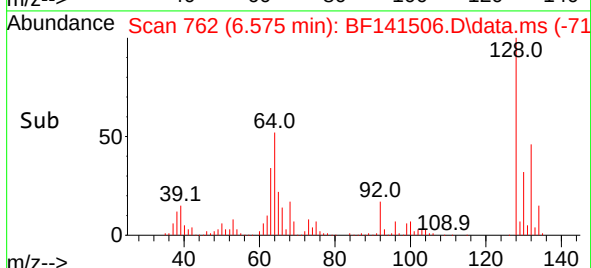
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

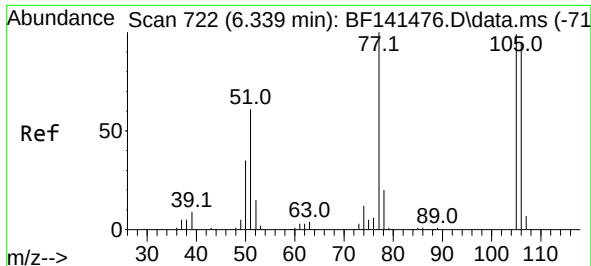


#8
2-Chlorophenol
Concen: 40.121 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



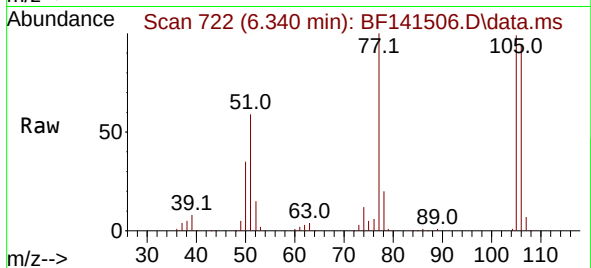
Tgt Ion:128 Resp: 254071
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 52.3 28.3 68.3





#9
Benzaldehyde
Concen: 39.396 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

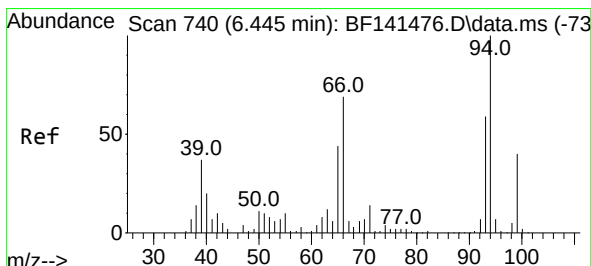
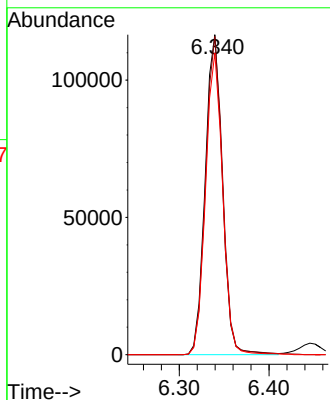
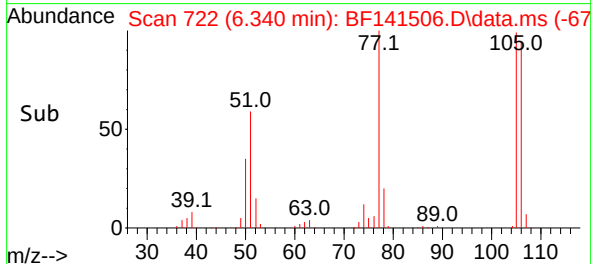
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



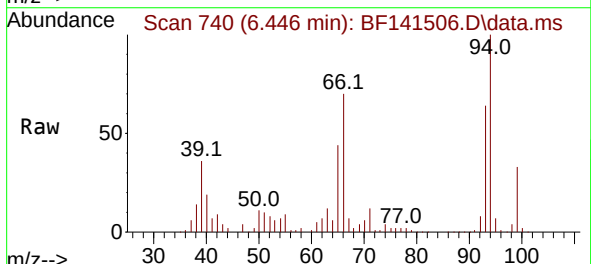
Tgt Ion: 77 Resp: 155074
Ion Ratio Lower Upper
77 100
105 99.4 79.4 119.4
106 94.3 75.1 115.1

Manual Integrations
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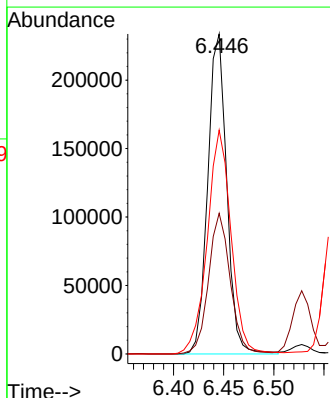
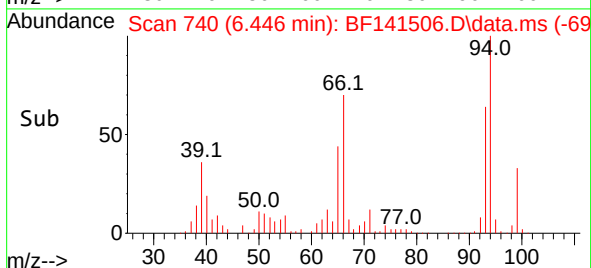
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

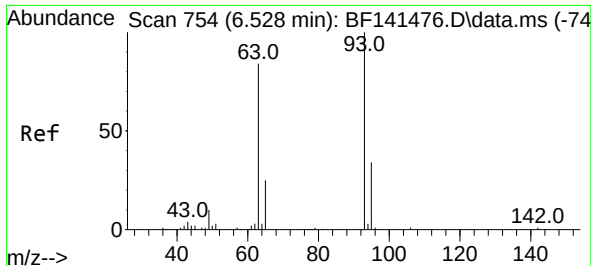


#10
Phenol
Concen: 39.942 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion: 94 Resp: 307937
Ion Ratio Lower Upper
94 100
65 44.0 23.7 63.7
66 70.0 49.3 89.3





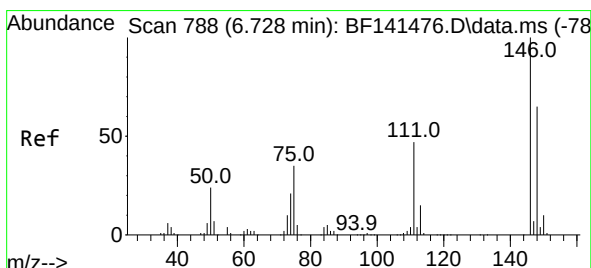
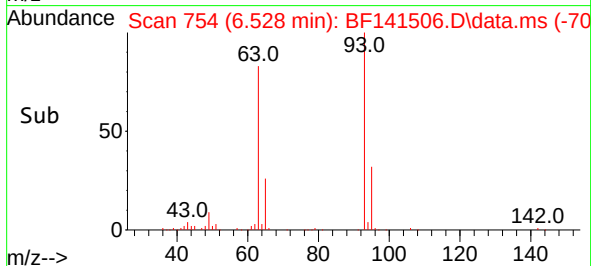
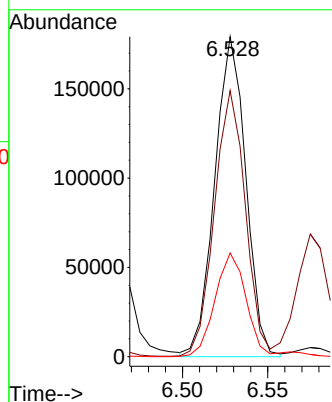
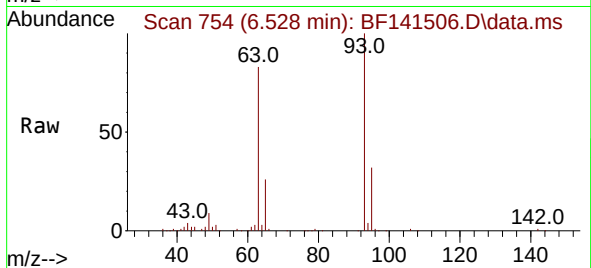
#11
bis(2-Chloroethyl)ether
Concen: 39.239 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 22722
Ion Ratio Lower Upper
93 100
63 83.1 62.0 102.0
95 32.4 12.6 52.6

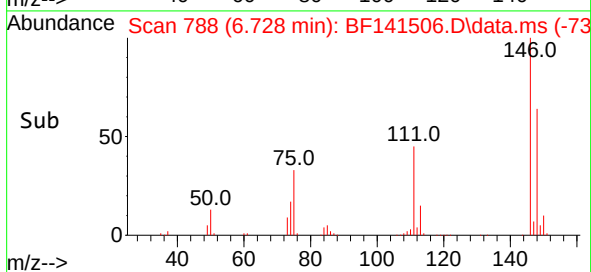
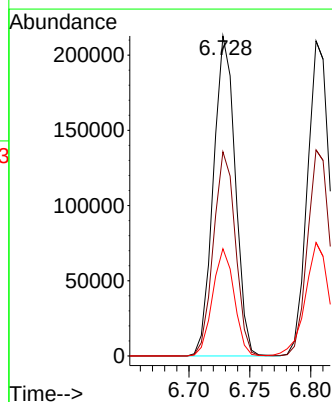
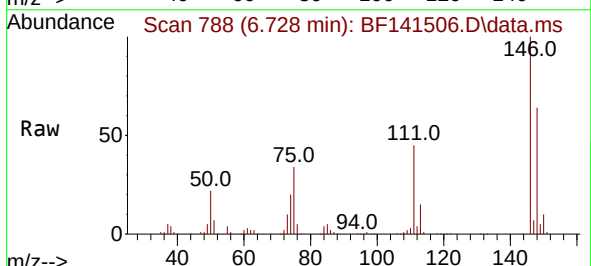
Manual Integrations
APPROVED

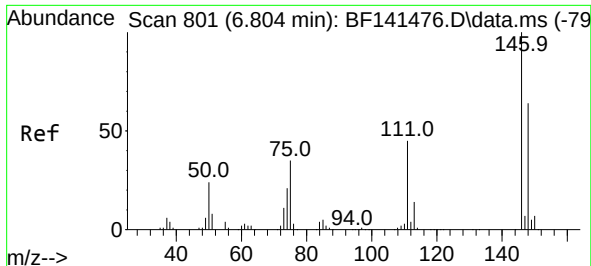
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#12
1,3-Dichlorobenzene
Concen: 39.713 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

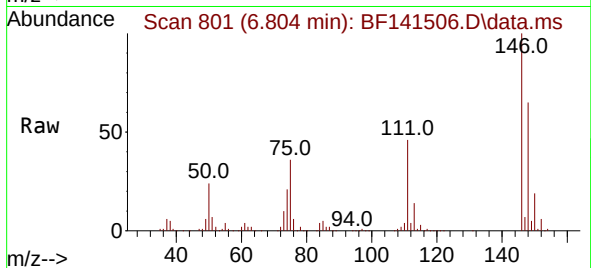
Tgt Ion:146 Resp: 265506
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
75 33.5 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 38.847 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

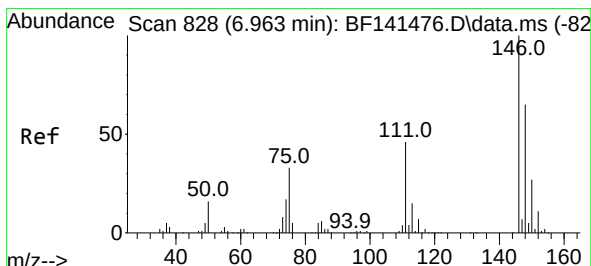
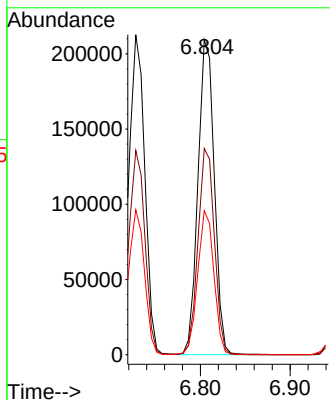
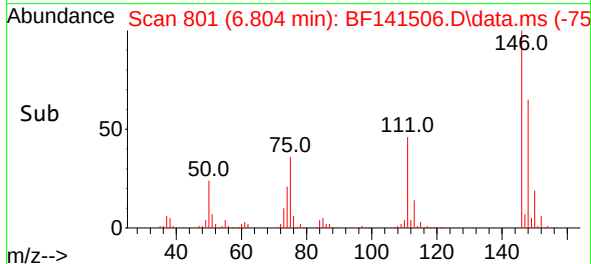
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



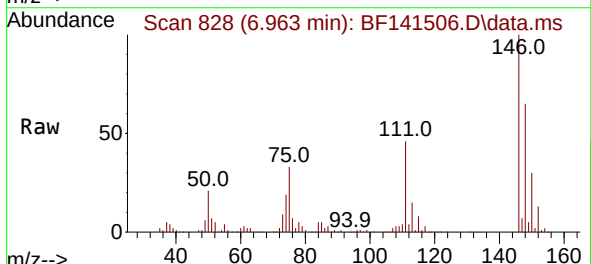
Tgt Ion:146 Resp: 265354
Ion Ratio Lower Upper
146 100
148 65.4 50.9 76.3
111 45.7 35.9 53.9

Manual Integrations
APPROVED

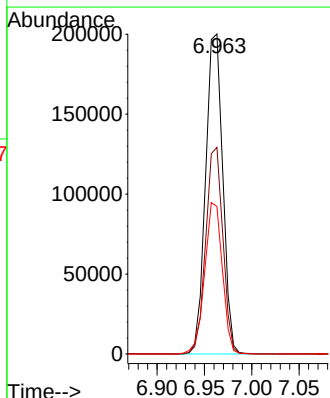
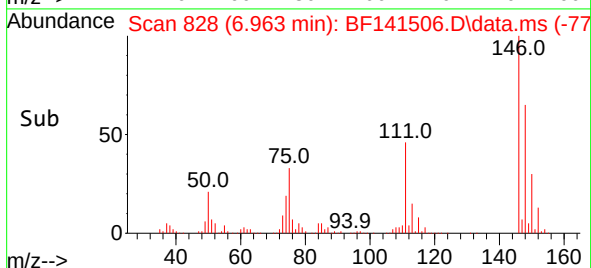
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

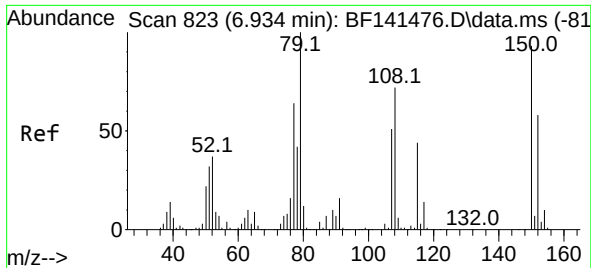


#14
1,2-Dichlorobenzene
Concen: 39.770 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



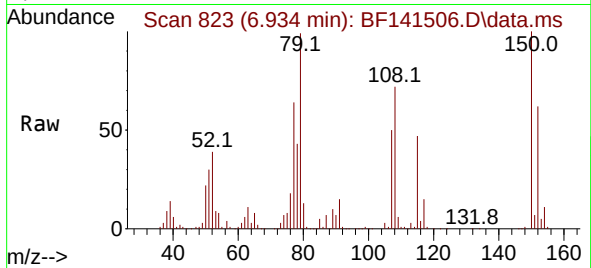
Tgt Ion:146 Resp: 252127
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.6
111 46.1 37.0 55.4





#15
Benzyl Alcohol
Concen: 39.069 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

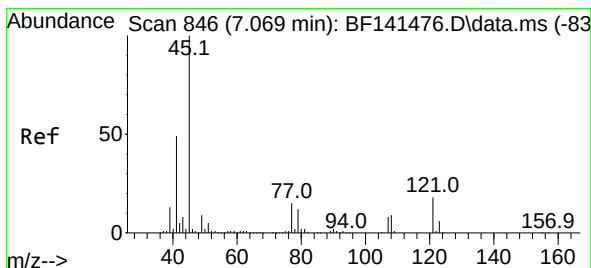
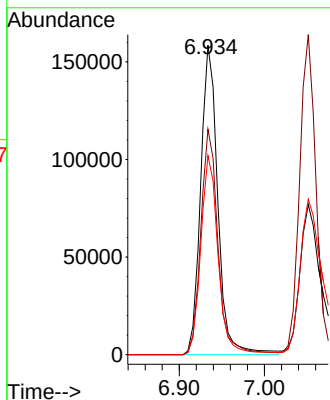
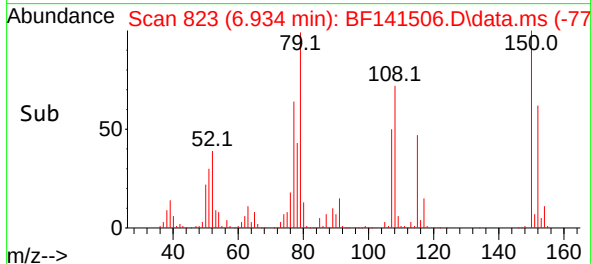
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



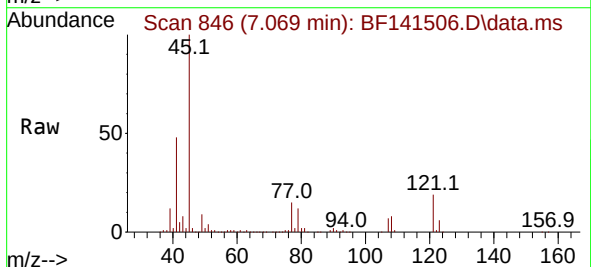
Tgt Ion: 79 Resp: 22192
Ion Ratio Lower Upper
79 100
108 72.8 57.4 86.2
77 64.3 50.9 76.3

Manual Integrations
APPROVED

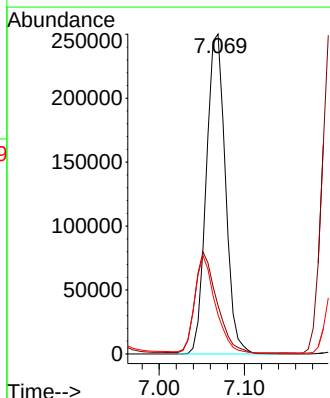
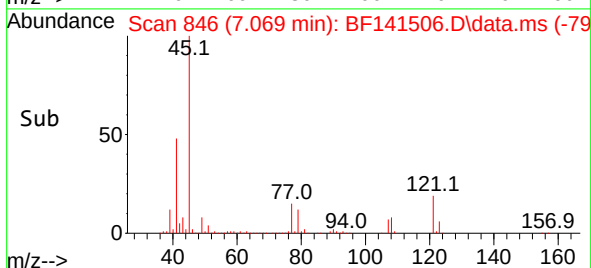
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

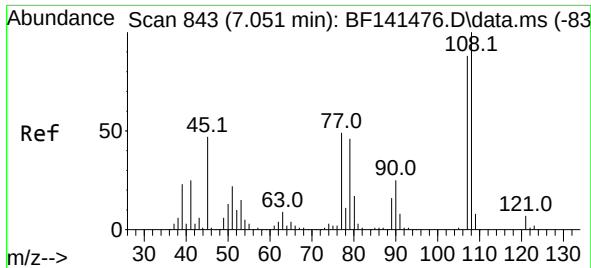


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.320 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion: 45 Resp: 389773
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.8
79 12.2 0.0 32.7





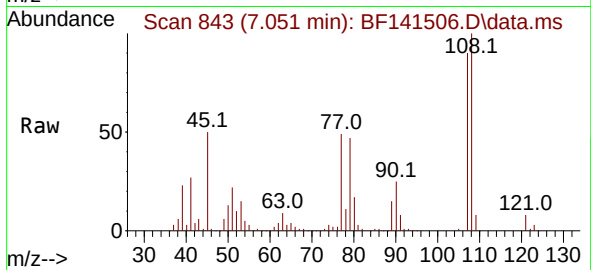
#17
2-Methylphenol
Concen: 39.445 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



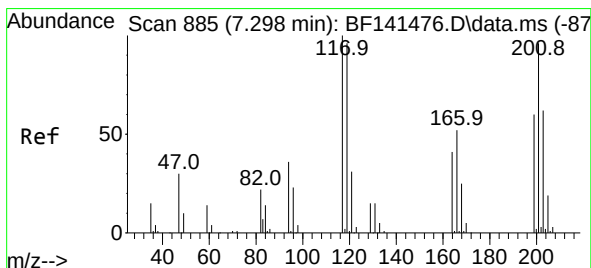
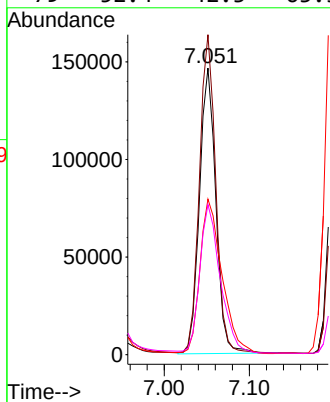
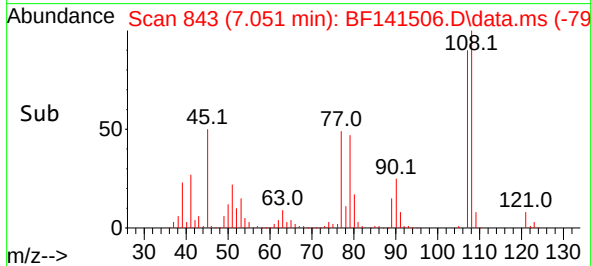
Tgt Ion:107 Resp: 195478
Ion Ratio Lower Upper
107 100
108 111.7 90.6 136.0
77 54.3 44.4 66.6
79 52.4 42.3 63.5

Manual Integrations

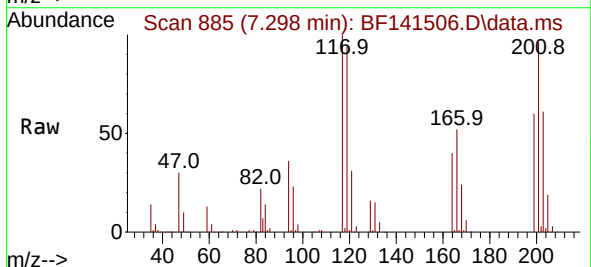
APPROVED

Reviewed By :Anahy Claudio 02/10/2025

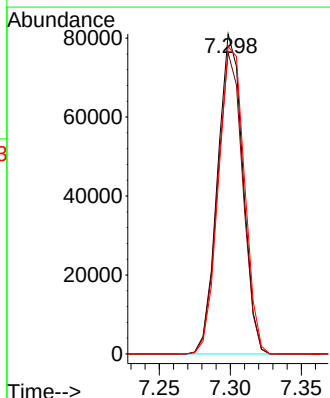
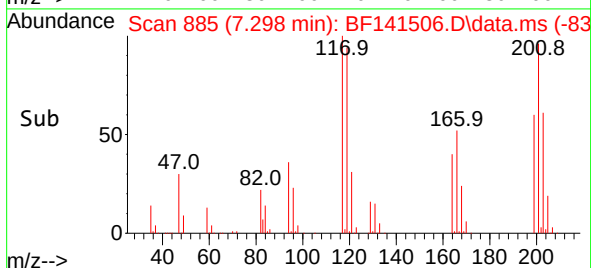
Supervised By :mohammad ahmed 02/12/2025

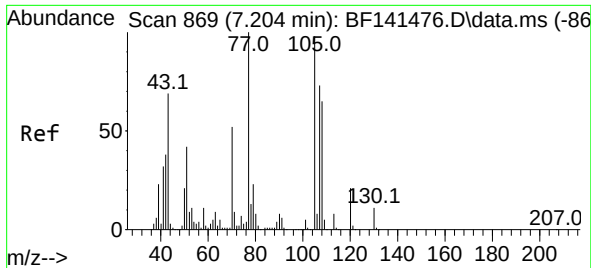


#18
Hexachloroethane
Concen: 39.613 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



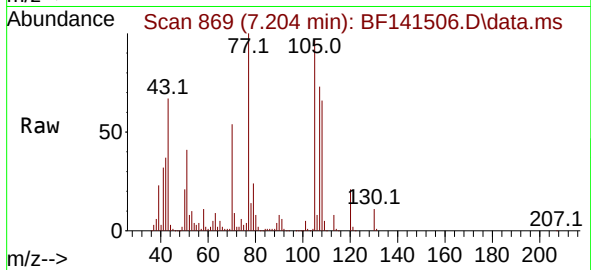
Tgt Ion:117 Resp: 100140
Ion Ratio Lower Upper
117 100
119 94.1 76.5 114.7
201 96.1 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 40.556 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

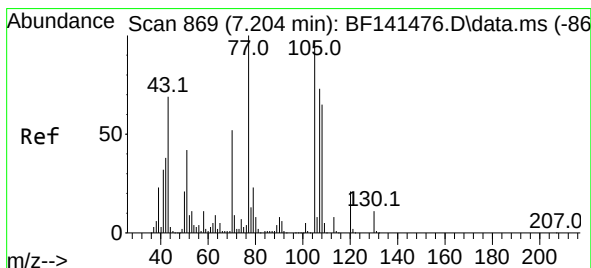
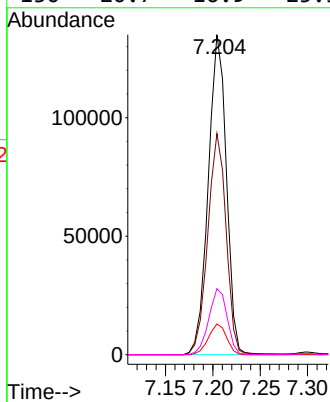
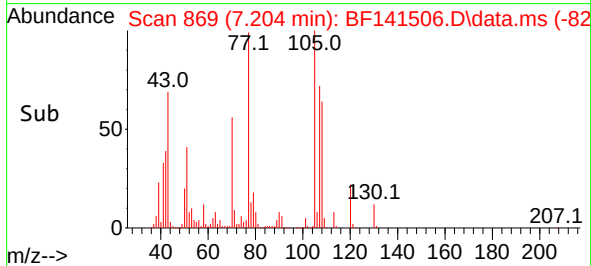
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



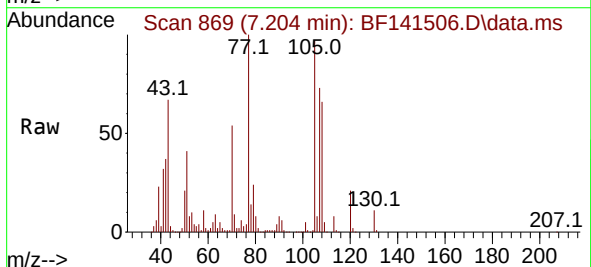
Tgt Ion: 70 Resp: 17969
Ion Ratio Lower Upper
70 100
42 69.1 57.4 86.2
101 9.6 8.0 12.0
130 20.7 16.9 25.3

Manual Integrations
APPROVED

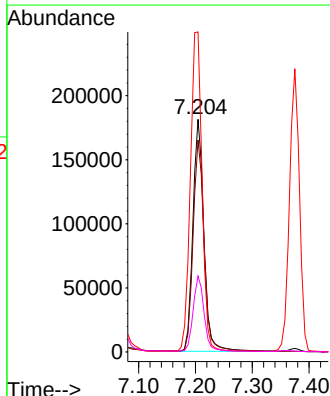
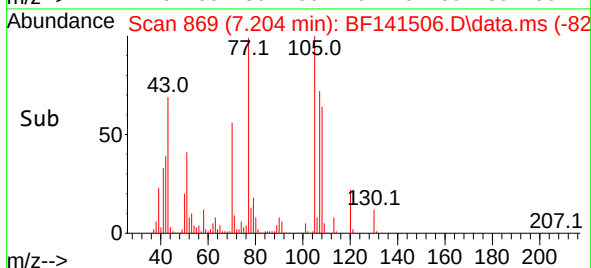
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

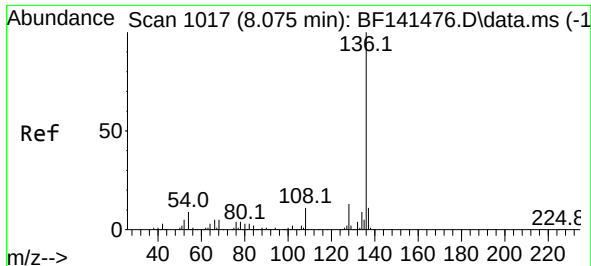


#20
3+4-Methylphenols
Concen: 38.777 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



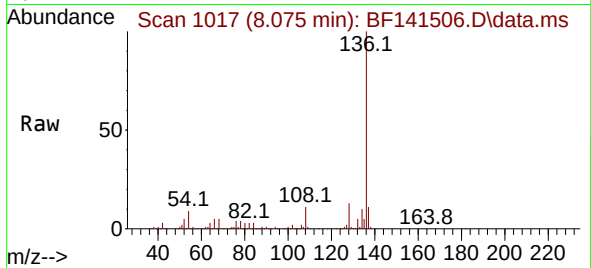
Tgt Ion:107 Resp: 244214
Ion Ratio Lower Upper
107 100
108 91.0 68.5 108.5
77 137.5 116.5 156.5
79 32.6 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

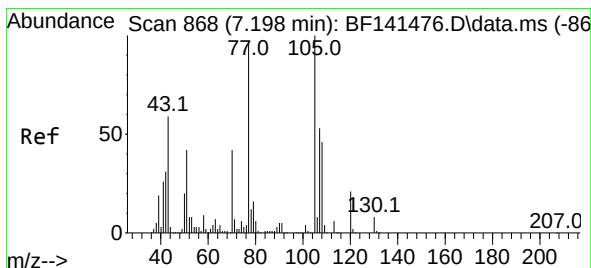
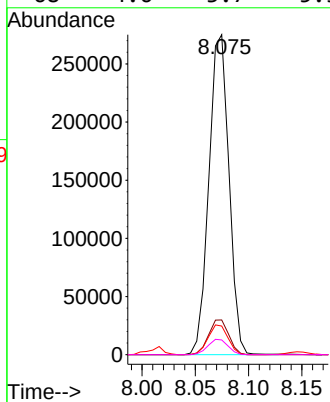
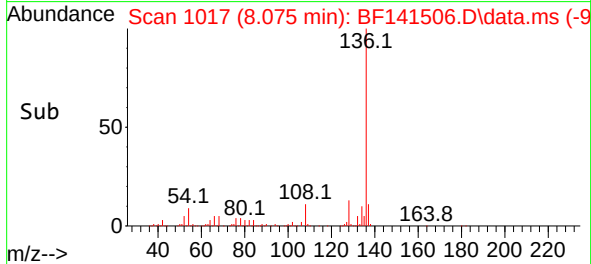
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



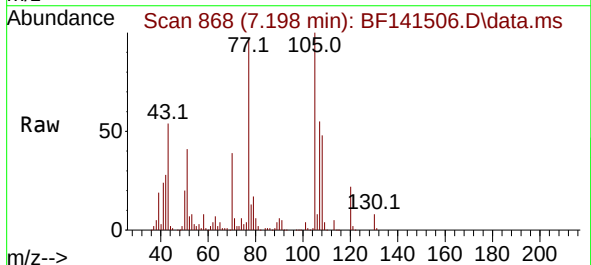
Tgt Ion:136 Resp: 360290
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 7.2 10.8
68 4.6 3.7 5.5

Manual Integrations
APPROVED

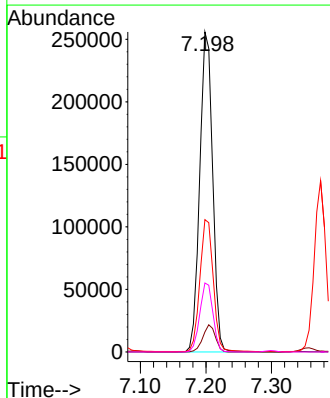
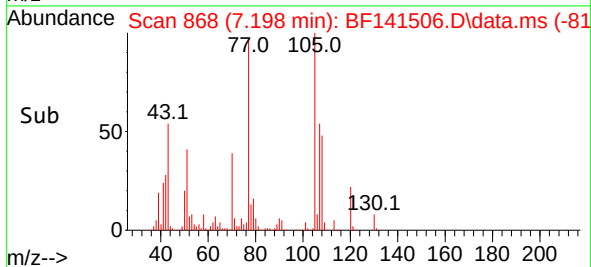
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

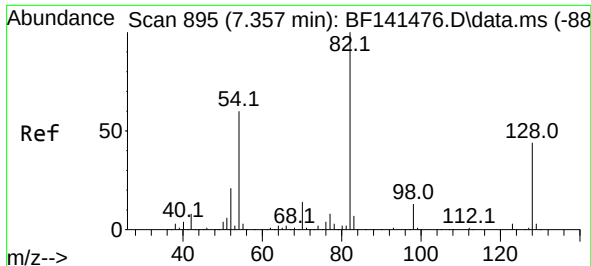


#22
Acetophenone
Concen: 39.294 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:105 Resp: 352167
Ion Ratio Lower Upper
105 100
71 6.3 5.7 8.5
51 41.3 33.7 50.5
120 21.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 80.140 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

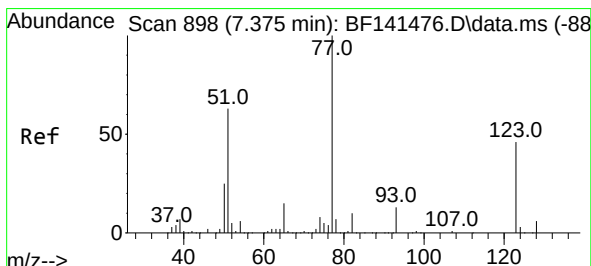
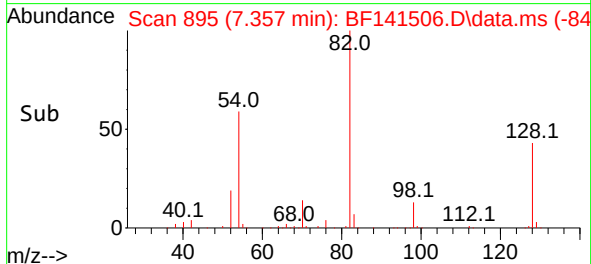
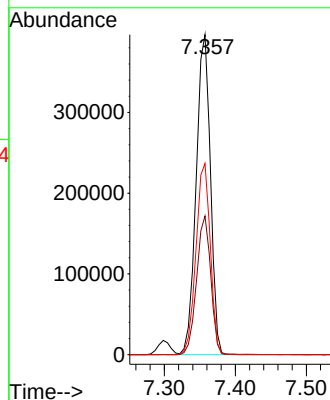
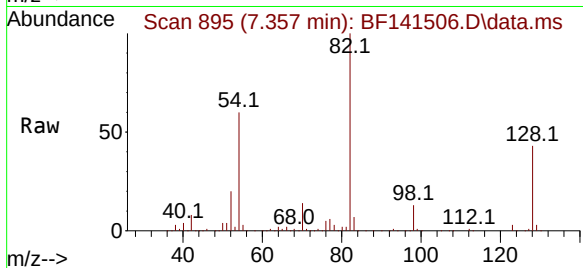
SSTDCCC040

Tgt Ion: 82 Resp: 55357

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	59.7	48.2	72.4

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#24

Nitrobenzene

Concen: 39.825 ng

RT: 7.375 min Scan# 898

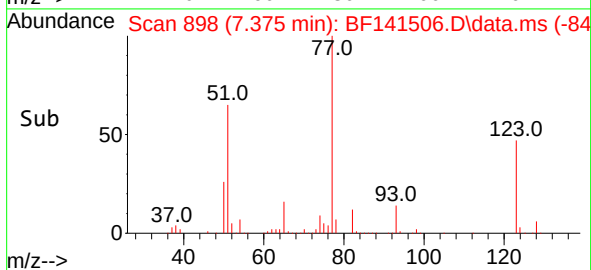
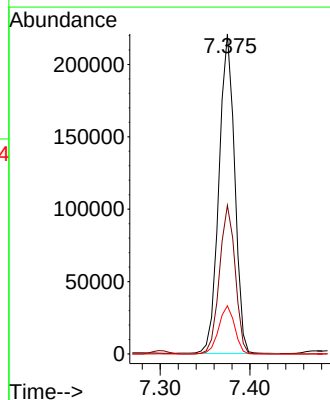
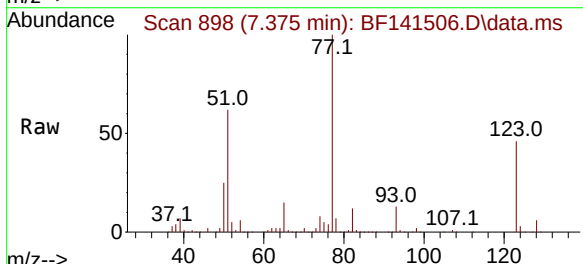
Delta R.T. -0.006 min

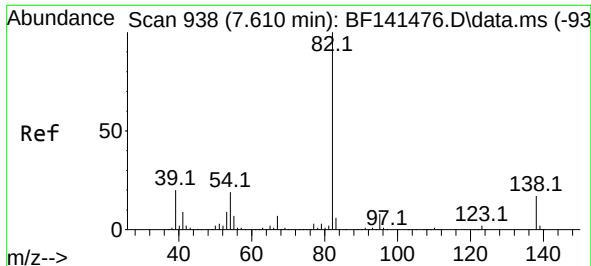
Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Tgt Ion: 77 Resp: 268254

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	15.0	11.9	17.9





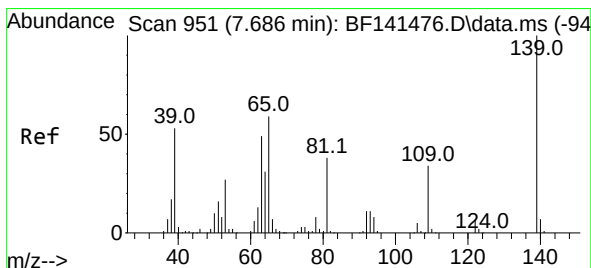
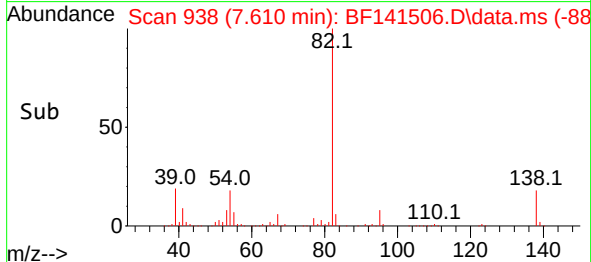
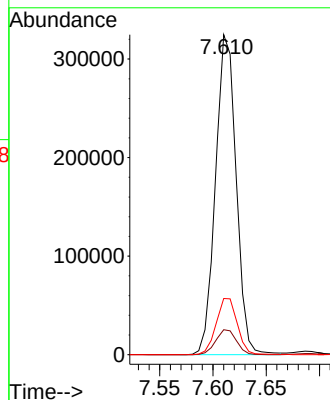
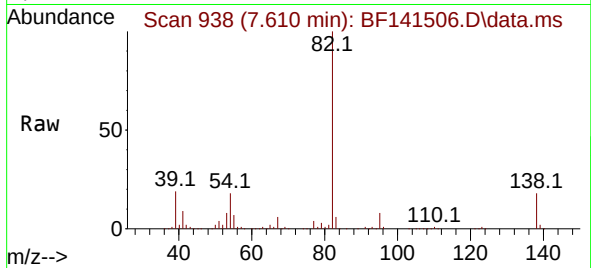
#25
Isophorone
Concen: 39.733 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 437623
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.5 13.9 20.9

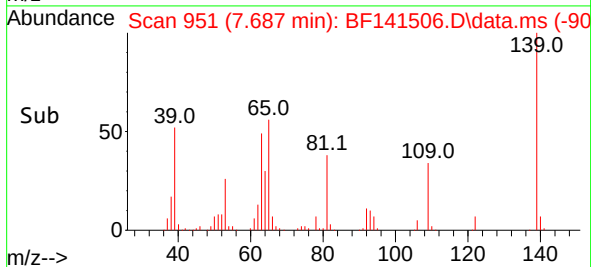
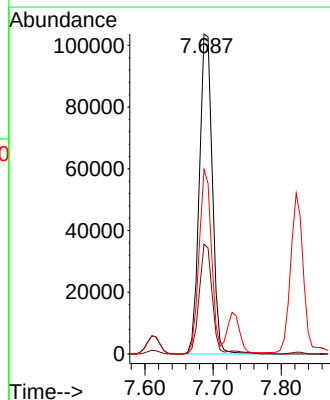
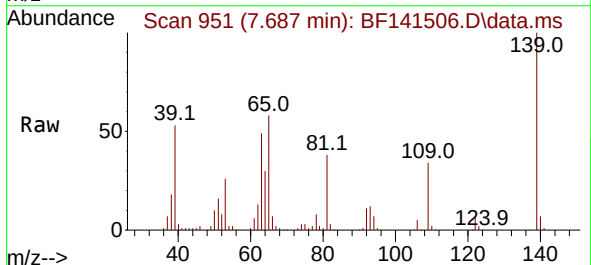
Manual Integrations
APPROVED

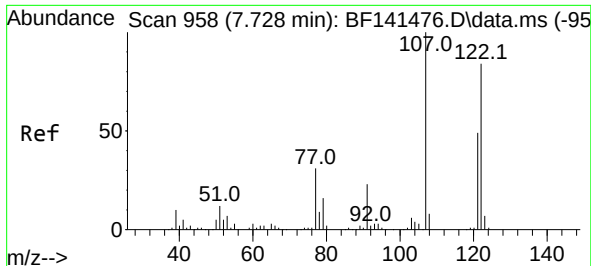
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#26
2-Nitrophenol
Concen: 41.014 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 137445
Ion Ratio Lower Upper
139 100
109 34.3 27.0 40.6
65 57.6 47.1 70.7





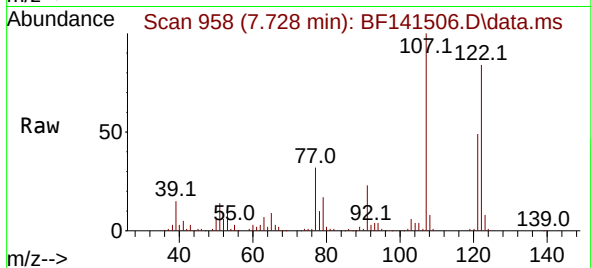
#27
2,4-Dimethylphenol
Concen: 40.362 ng
RT: 7.728 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

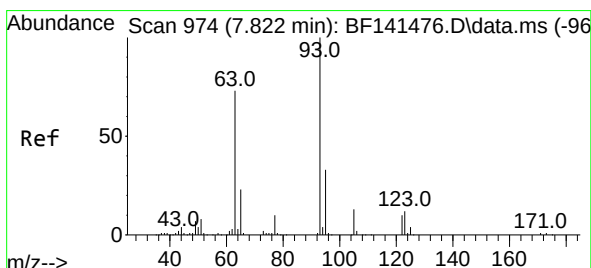
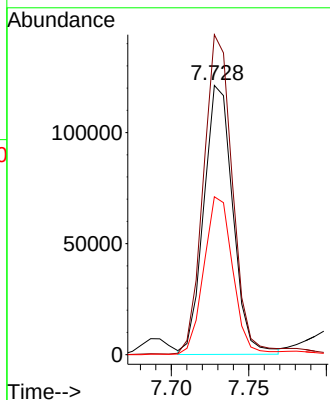
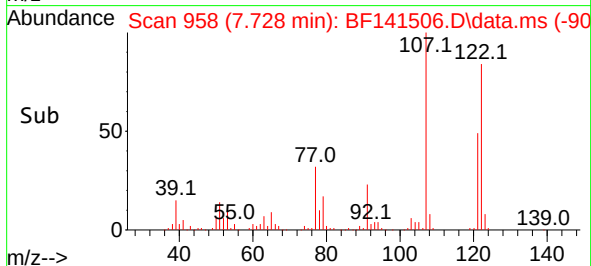
SSTDCCC040



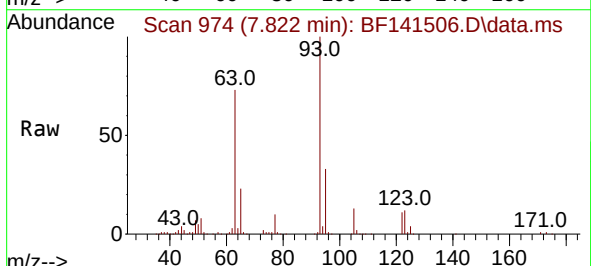
Tgt Ion:122 Resp: 158012
Ion Ratio Lower Upper
122 100
107 118.8 94.3 141.5
121 58.6 46.0 69.0

Manual Integrations
APPROVED

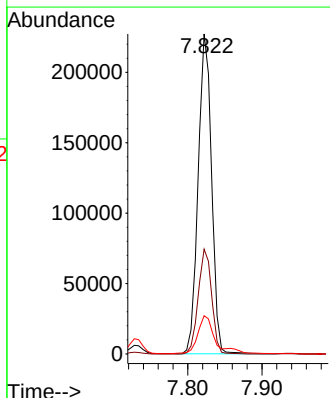
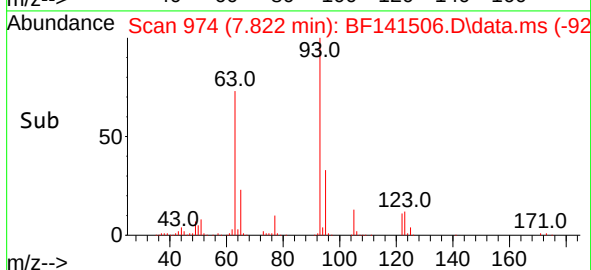
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

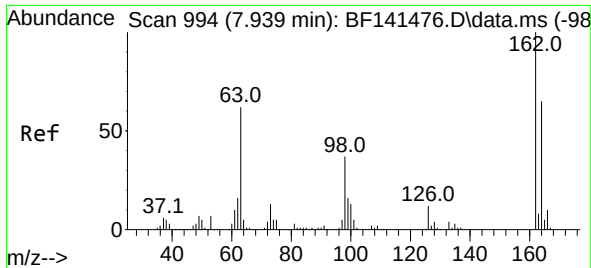


#28
bis(2-Chloroethoxy)methane
Concen: 40.398 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion: 93 Resp: 285112
Ion Ratio Lower Upper
93 100
95 32.7 26.1 39.1
123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.337 ng

RT: 7.940 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141506.D

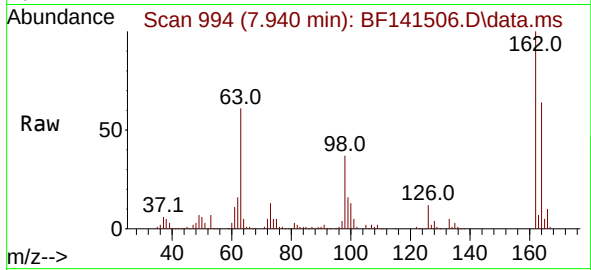
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



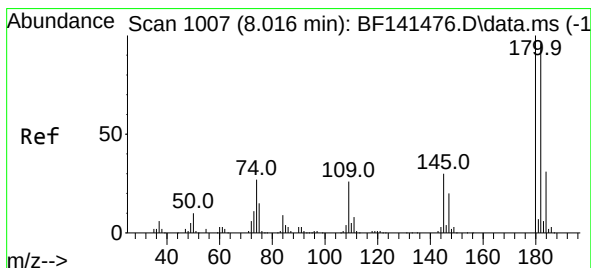
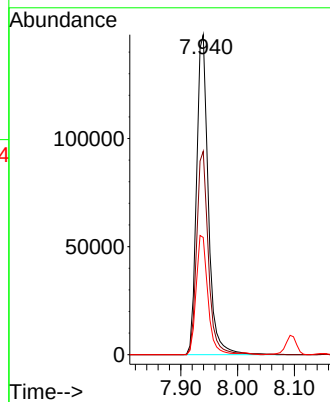
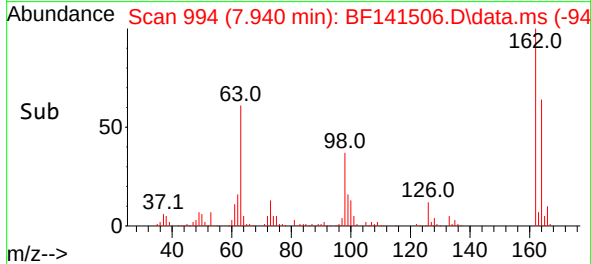
Tgt Ion:	162	Resp:	213360
Ion Ratio	Lower	Upper	
162	100		
164	63.6	44.6	84.6
98	36.7	17.2	57.2

Manual Integrations

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Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#30

1,2,4-Trichlorobenzene

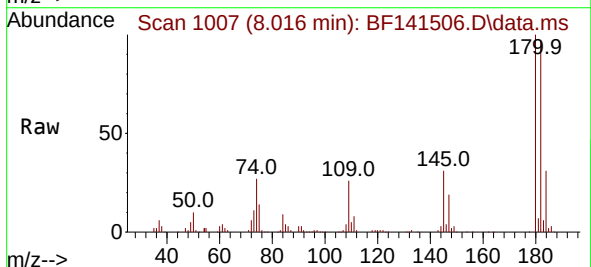
Concen: 39.869 ng

RT: 8.016 min Scan# 1007

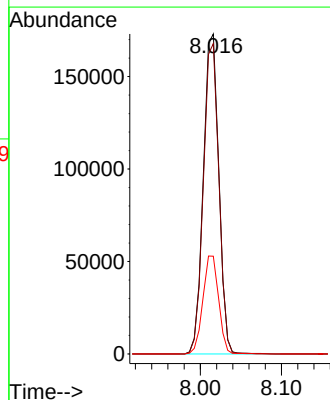
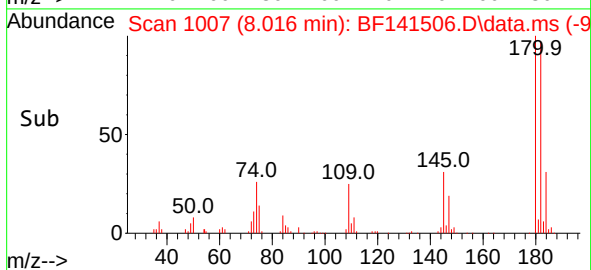
Delta R.T. 0.000 min

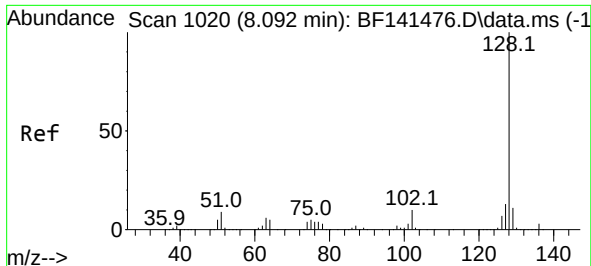
Lab File: BF141506.D

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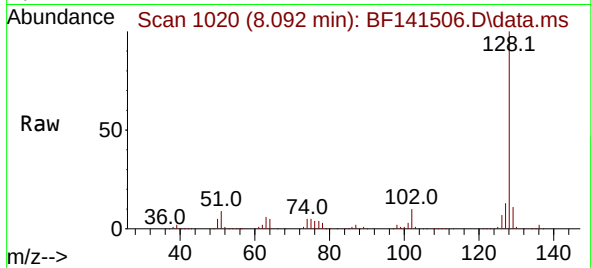
Tgt Ion:	180	Resp:	229655
Ion Ratio	Lower	Upper	
180	100		
182	97.0	76.8	115.2
145	30.5	24.2	36.4





#31
Naphthalene
Concen: 39.968 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

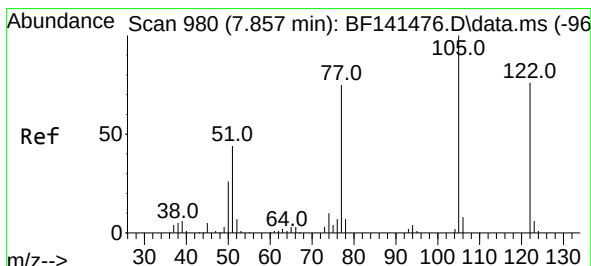
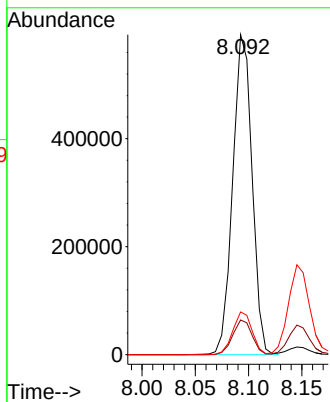
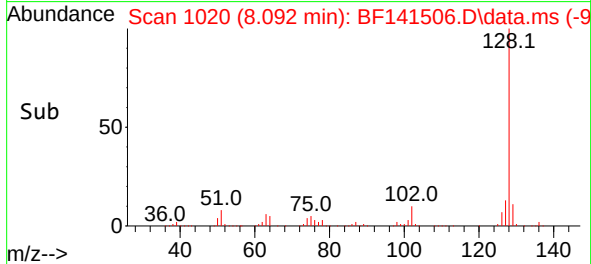
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



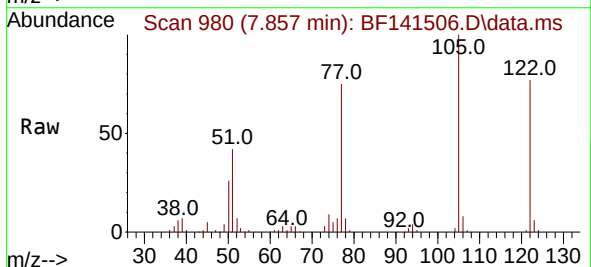
Tgt Ion:128 Resp: 74958
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.7 16.1

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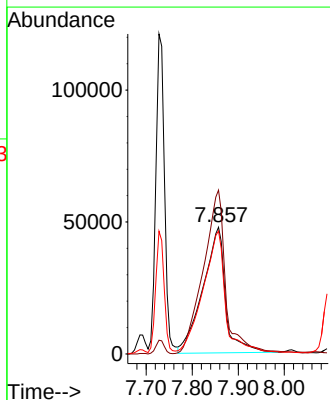
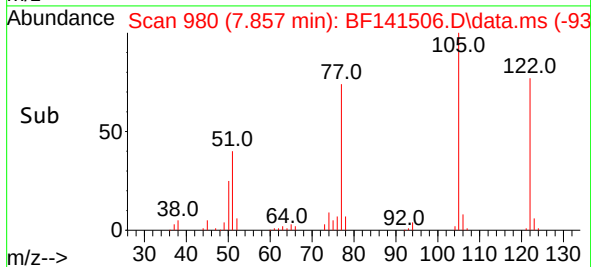
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

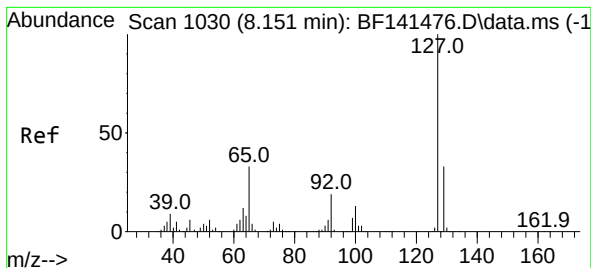


#32
Benzoic acid
Concen: 40.092 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:122 Resp: 163033
Ion Ratio Lower Upper
122 100
105 129.3 106.5 146.5
77 97.1 76.3 116.3





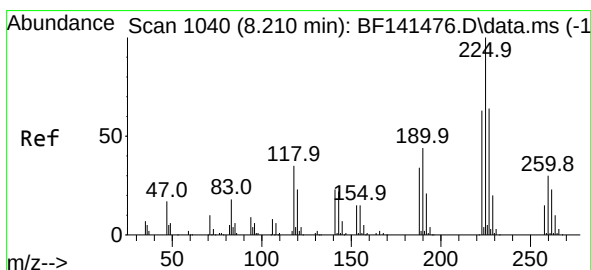
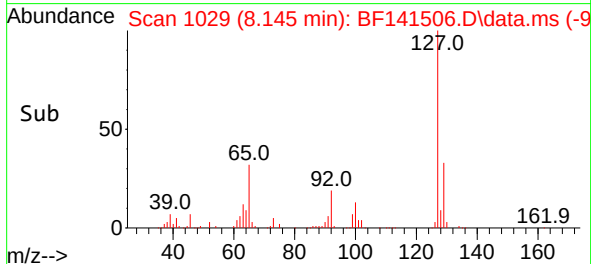
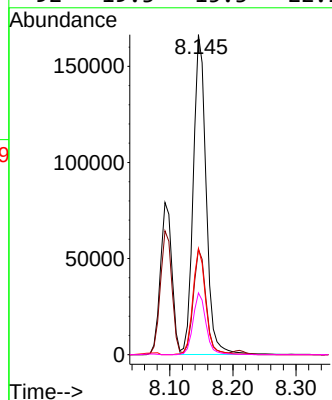
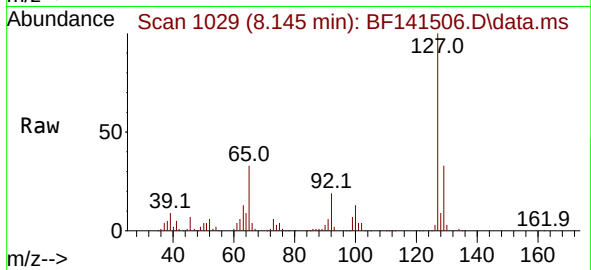
#33
4-Chloroaniline
Concen: 35.960 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:	127	Resp:	23546
Ion Ratio	Lower	Upper	
127	100		
129	32.9	26.5	39.7
65	33.2	26.4	39.6
92	19.3	15.3	22.9

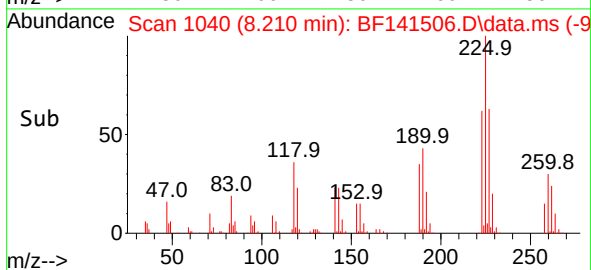
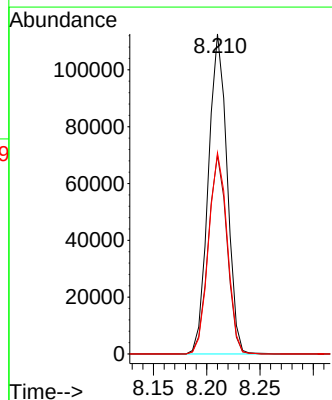
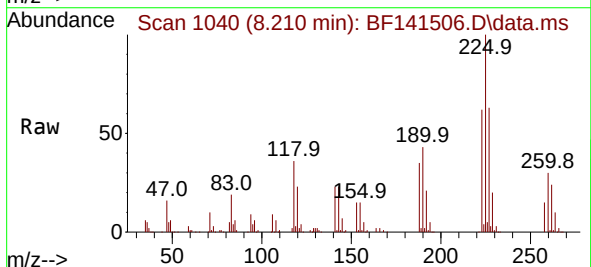
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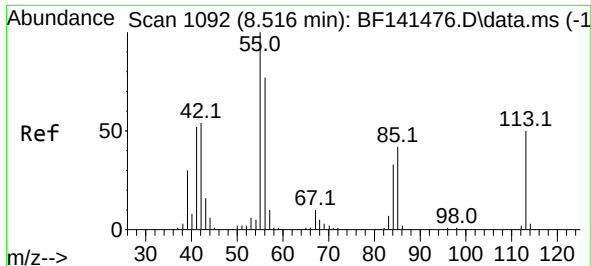
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#34
Hexachlorobutadiene
Concen: 39.845 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:	225	Resp:	137788
Ion Ratio	Lower	Upper	
225	100		
223	62.2	50.1	75.1
227	62.9	51.0	76.6





#35
 Caprolactam
 Concen: 41.746 ng
 RT: 8.516 min Scan# 1092
 Delta R.T. -0.029 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

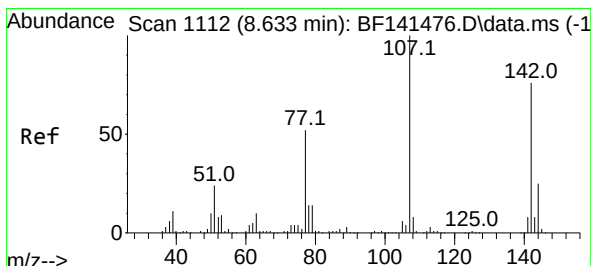
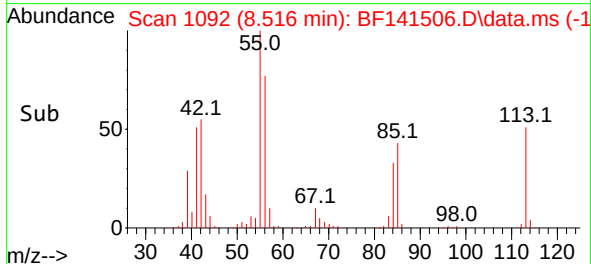
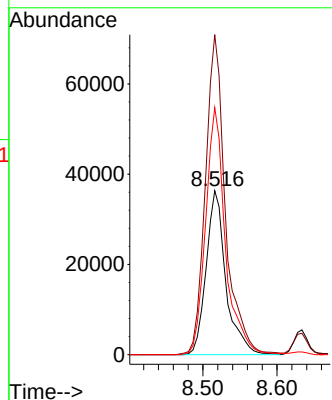
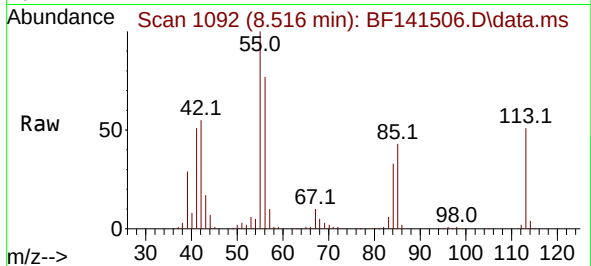
ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 6723
 Ion Ratio Lower Upper
 113 100
 55 195.1 180.8 220.8
 56 150.6 133.6 173.6

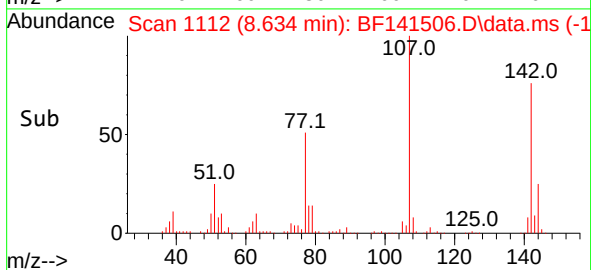
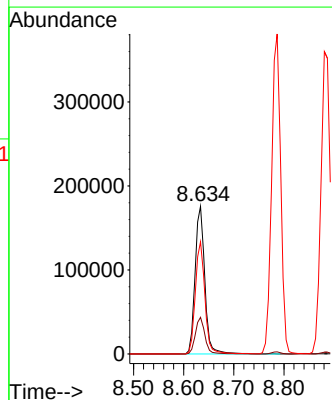
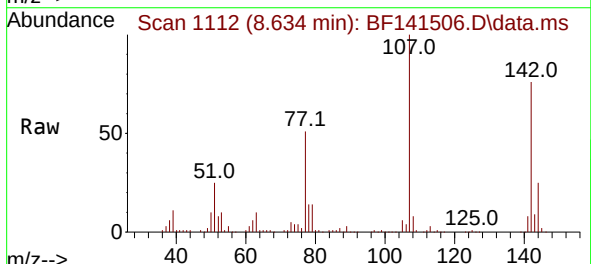
Manual Integrations
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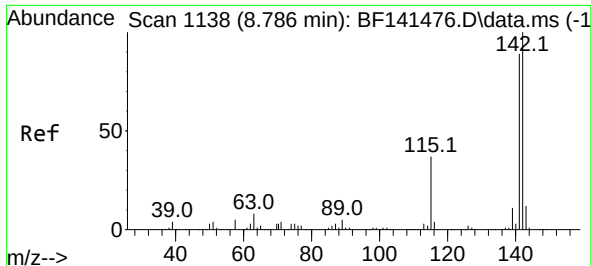
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#36
 4-Chloro-3-methylphenol
 Concen: 40.105 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33

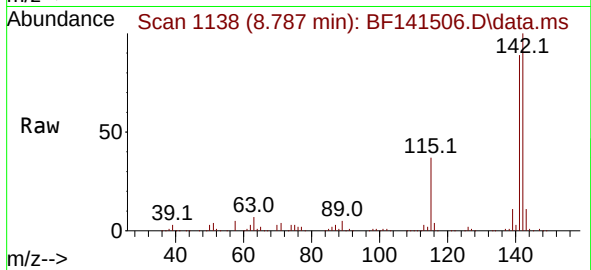
Tgt Ion:107 Resp: 234989
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.7 29.5
 142 76.0 60.8 91.2





#37
2-Methylnaphthalene
Concen: 39.430 ng
RT: 8.787 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

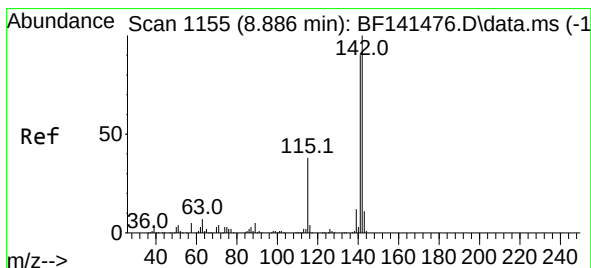
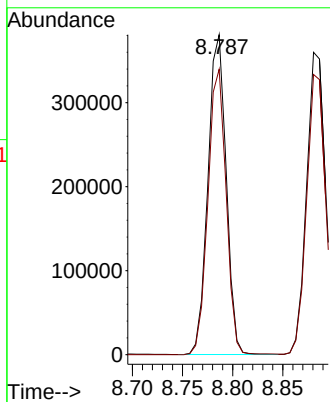
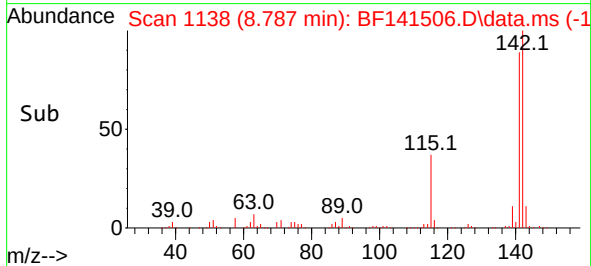
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



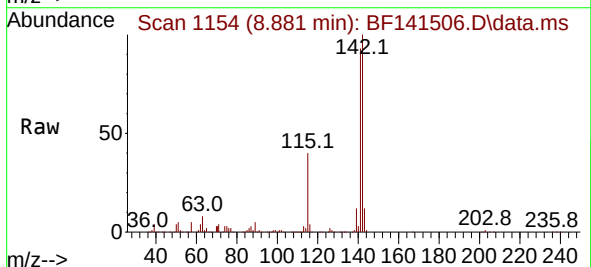
Tgt Ion:142 Resp: 481204
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8

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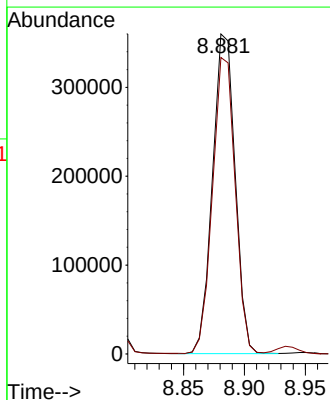
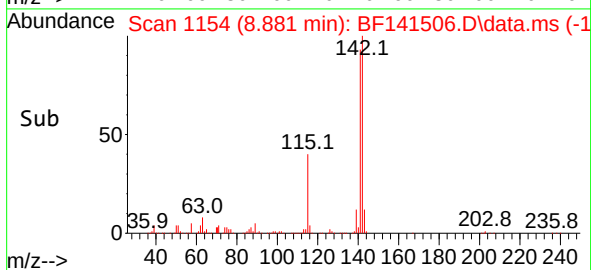
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

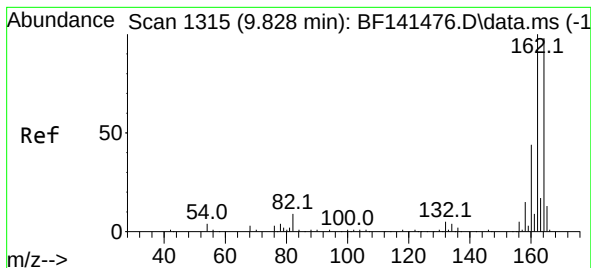


#38
1-Methylnaphthalene
Concen: 39.416 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:142 Resp: 465894
Ion Ratio Lower Upper
142 100
141 92.6 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BF141506.D

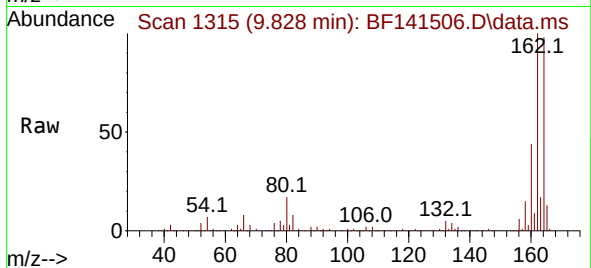
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 198348

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

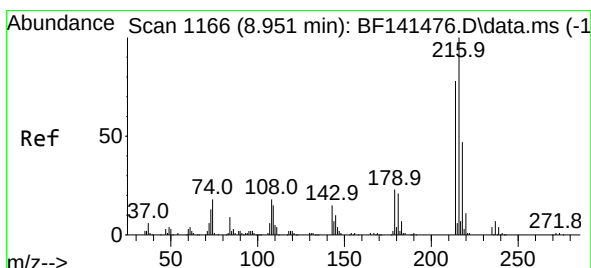
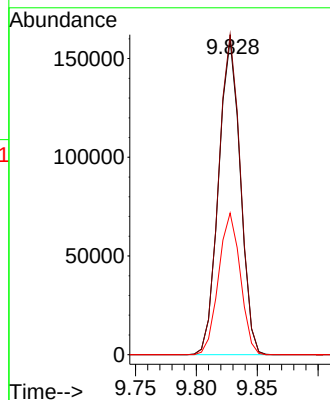
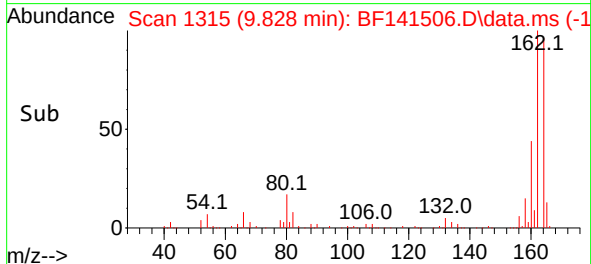
160 45.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.480 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Tgt Ion:216 Resp: 226553

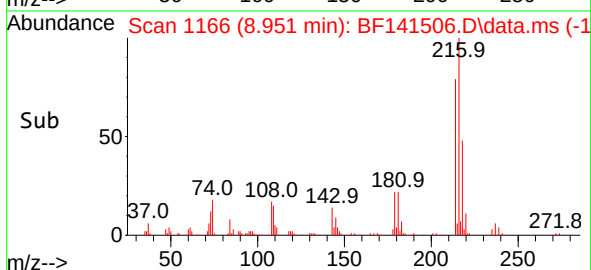
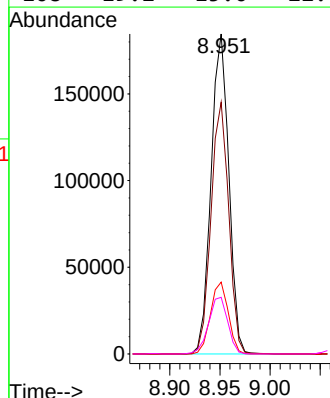
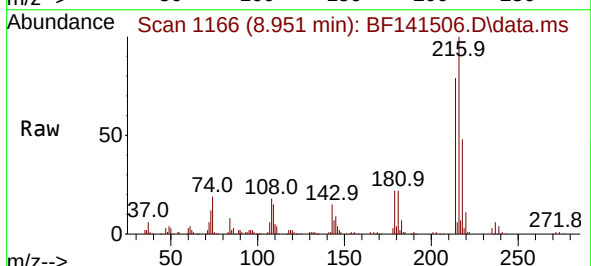
Ion Ratio Lower Upper

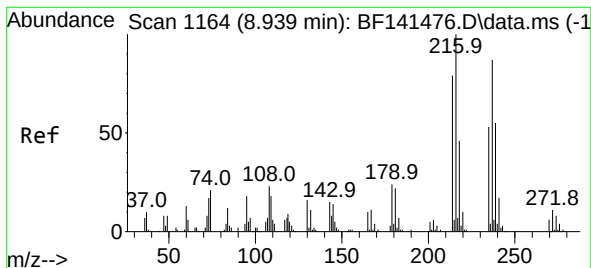
216 100

214 78.5 62.3 93.5

179 22.6 18.0 27.0

108 19.2 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 40.055 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

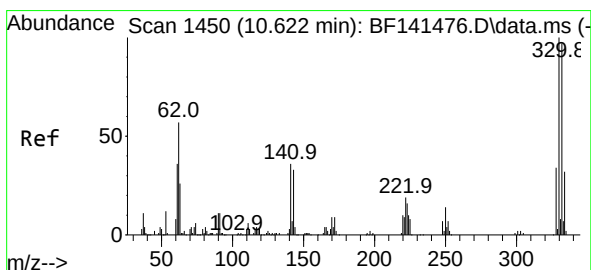
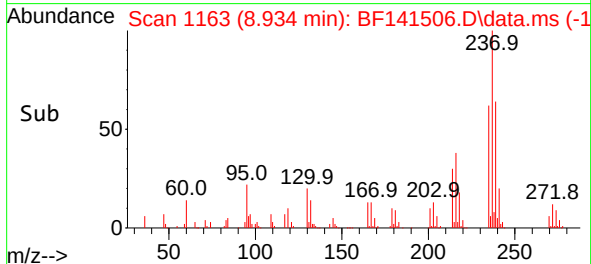
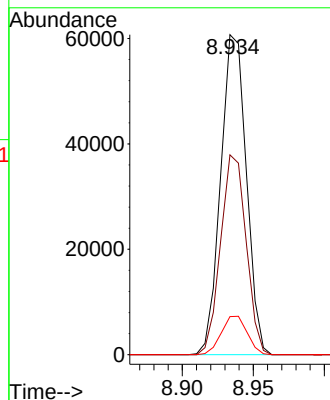
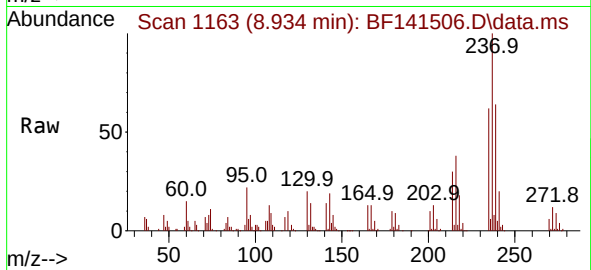
Tgt Ion:	237	Resp:	7645
Ion Ratio	Lower	Upper	
237	100		
235	62.5	41.4	81.4
272	11.9	0.0	32.4

Manual Integrations

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Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#42

2,4,6-Tribromophenol

Concen: 79.512 ng

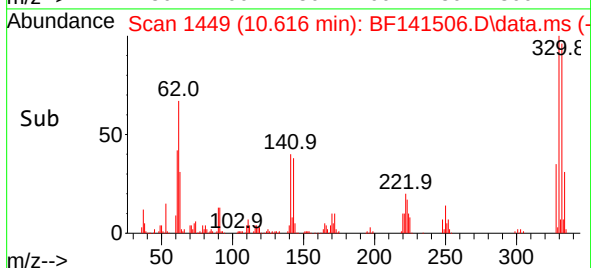
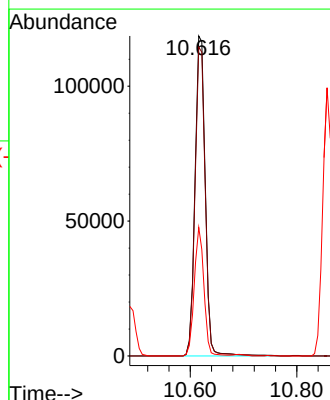
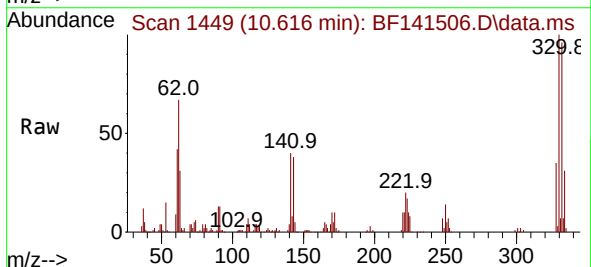
RT: 10.616 min Scan# 1449

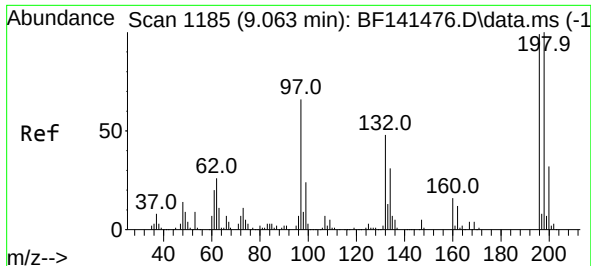
Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

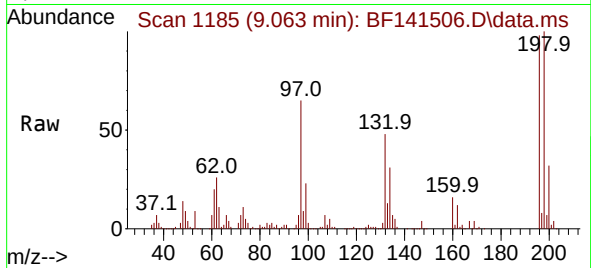
Tgt Ion:	330	Resp:	158428
Ion Ratio	Lower	Upper	
330	100		
332	96.3	78.5	117.7
141	37.9	31.0	46.4





#43
2,4,6-Trichlorophenol
Concen: 39.310 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

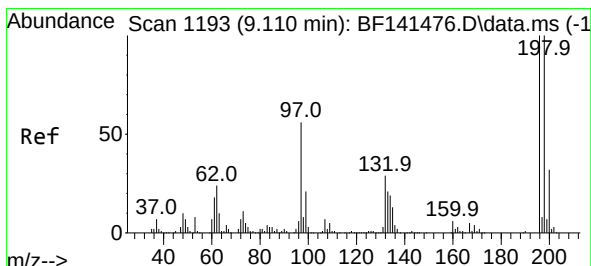
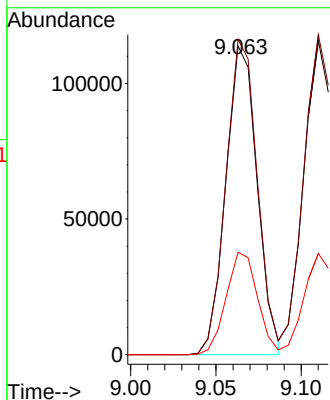
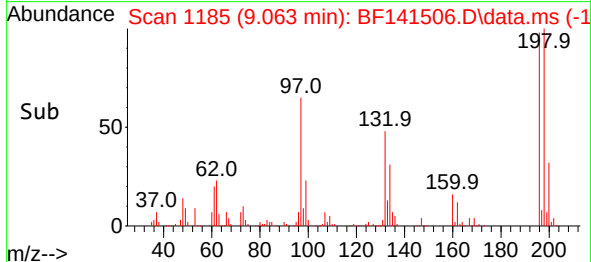
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



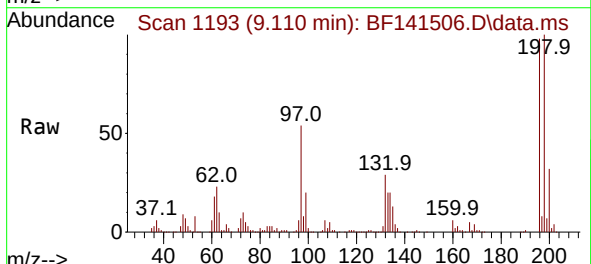
Tgt Ion:196 Resp: 145794
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 33.2 25.5 38.3

Manual Integrations
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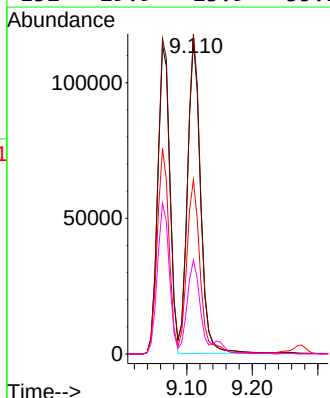
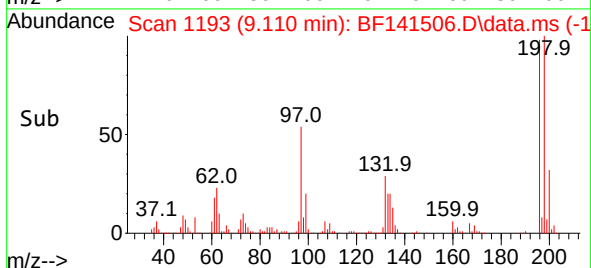
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

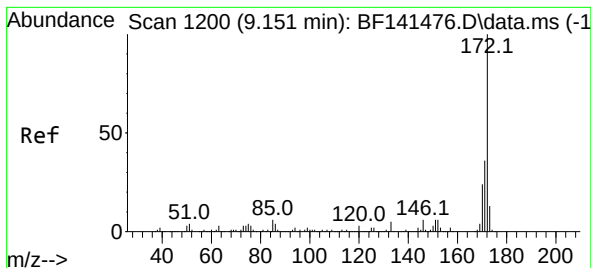


#44
2,4,5-Trichlorophenol
Concen: 39.352 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



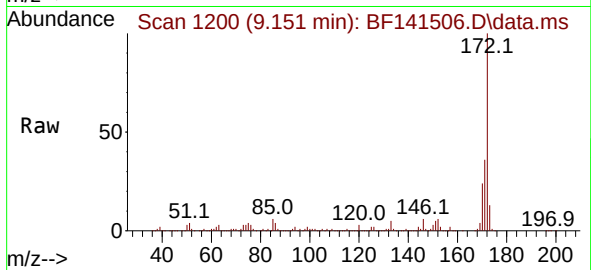
Tgt Ion:196 Resp: 158176
Ion Ratio Lower Upper
196 100
198 102.0 79.8 119.8
97 55.4 44.8 67.2
132 29.9 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 78.150 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

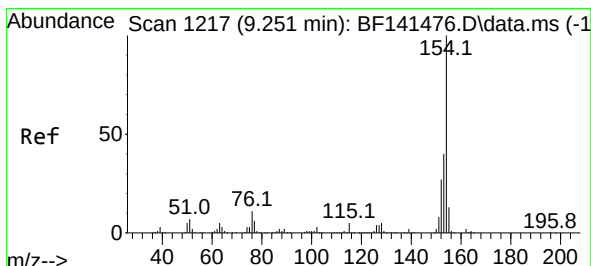
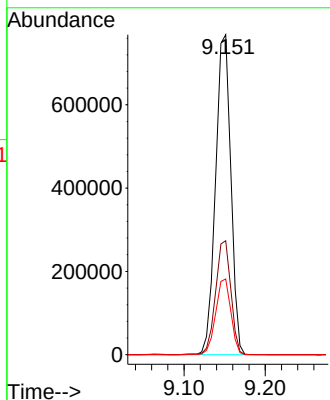
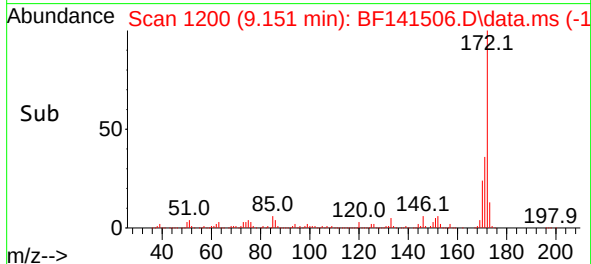
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



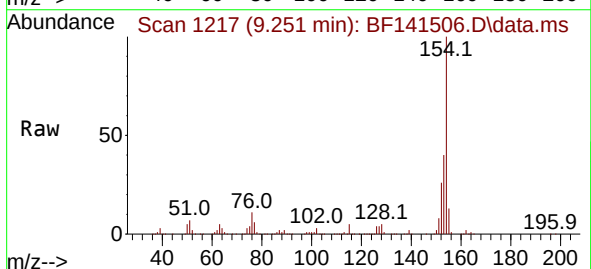
Tgt Ion:172 Resp: 1006130
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.7 18.9 28.3

Manual Integrations
APPROVED

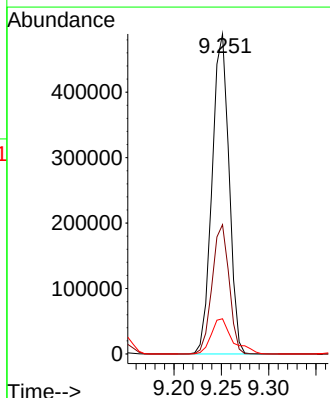
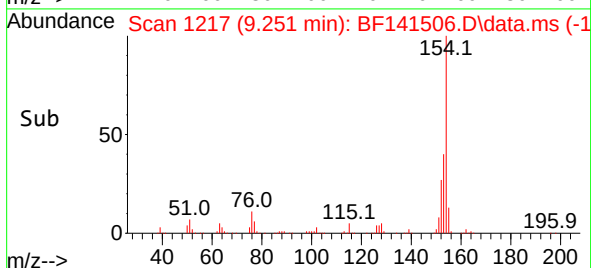
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

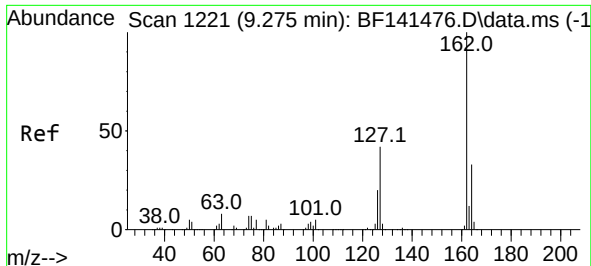


#46
1,1'-Biphenyl
Concen: 39.417 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



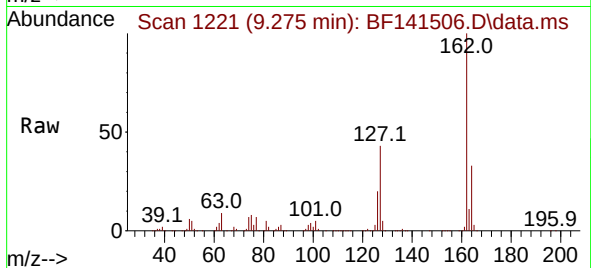
Tgt Ion:154 Resp: 606143
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 11.0 0.0 30.8





#47
2-Chloronaphthalene
Concen: 39.485 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

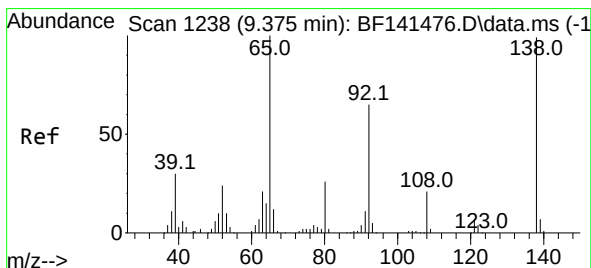
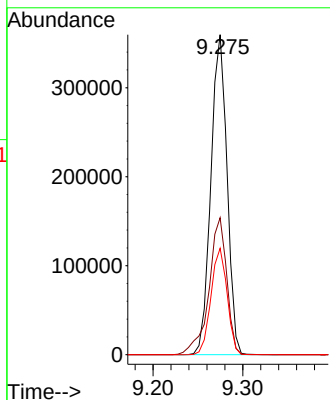
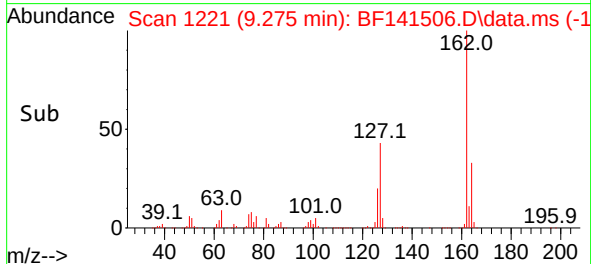
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 162 Resp: 448999
Ion Ratio Lower Upper
162 100
127 42.8 34.1 51.1
164 33.2 26.3 39.5

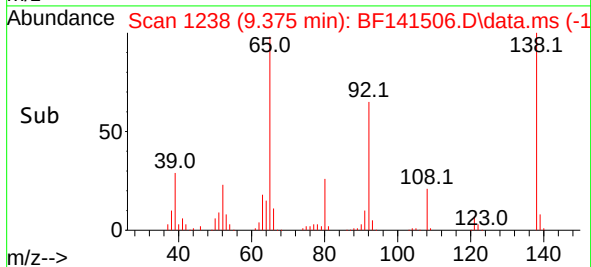
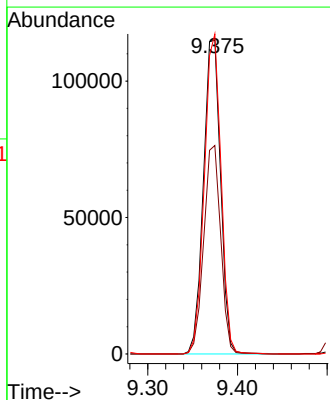
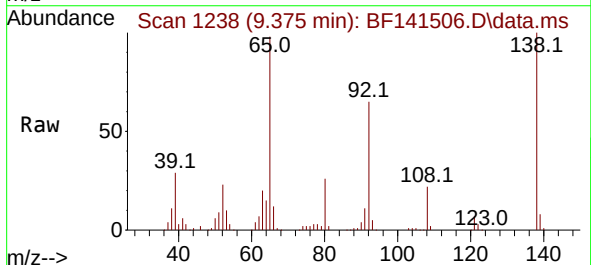
Manual Integrations
APPROVED

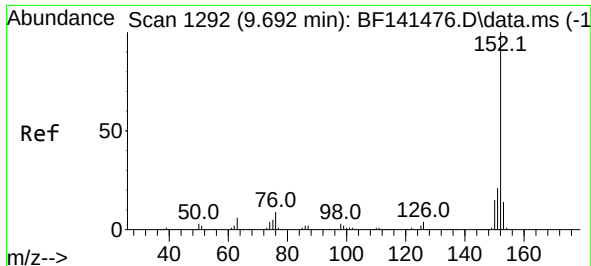
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#48
2-Nitroaniline
Concen: 40.054 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

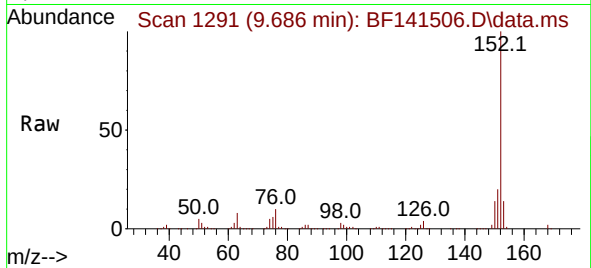
Tgt Ion: 65 Resp: 152856
Ion Ratio Lower Upper
65 100
92 66.4 52.2 78.2
138 101.9 79.5 119.3





#49
Acenaphthylene
Concen: 39.800 ng
RT: 9.686 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

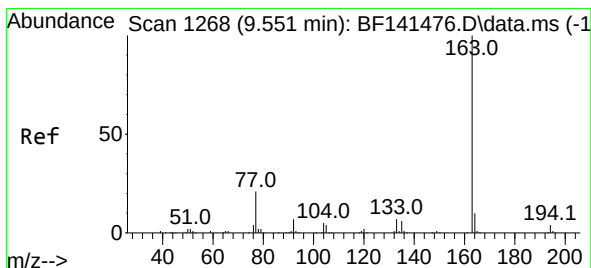
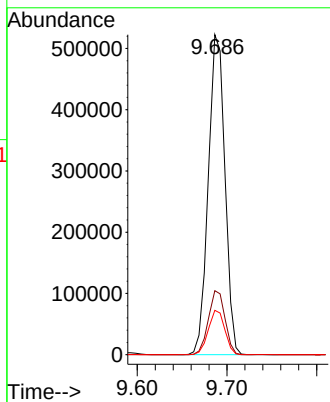
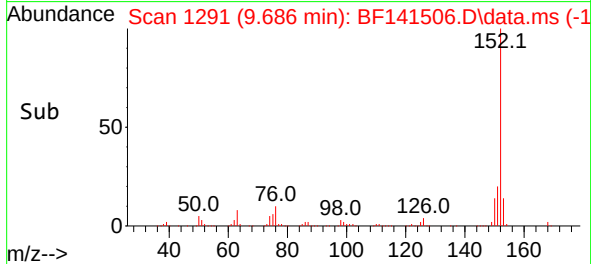
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



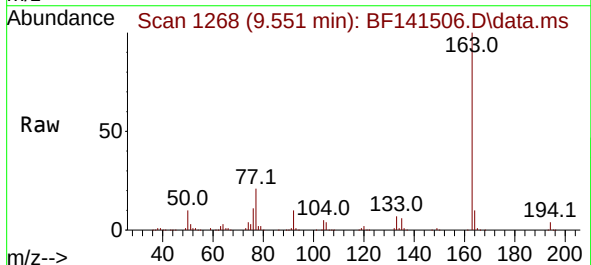
Tgt Ion:152 Resp: 67315
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.9 10.9 16.3

Manual Integrations
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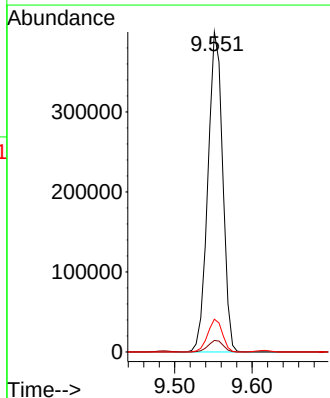
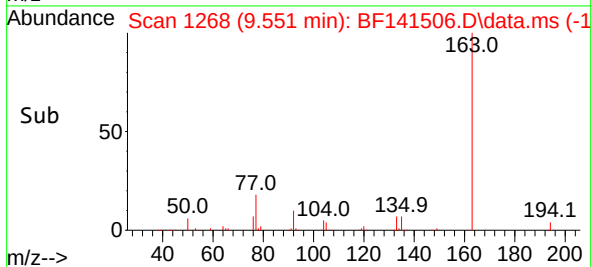
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

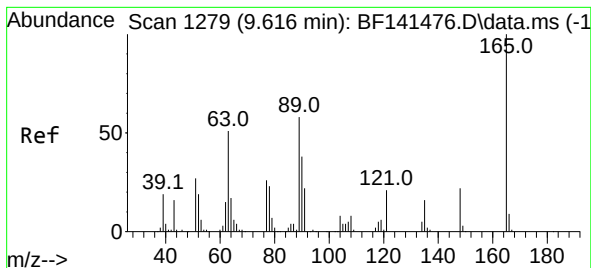


#50
Dimethylphthalate
Concen: 39.426 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



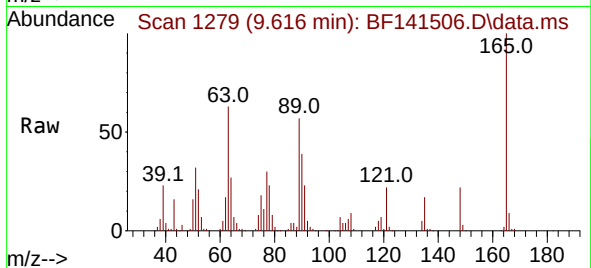
Tgt Ion:163 Resp: 530887
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 39.701 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

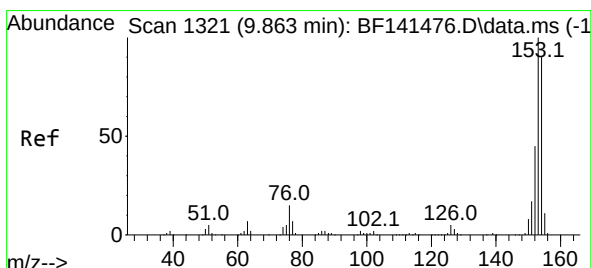
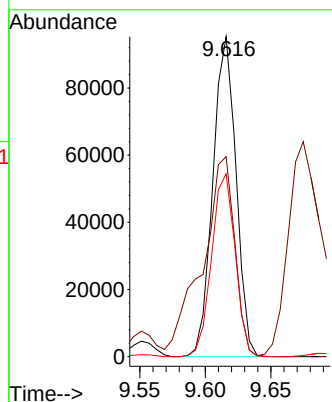
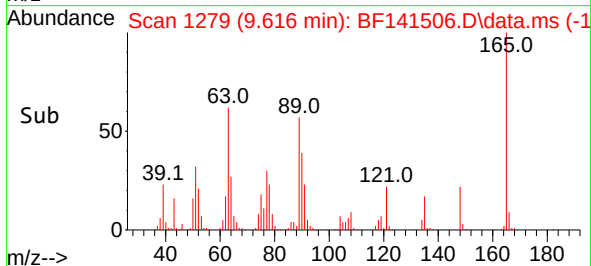
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 11686
Ion Ratio Lower Upper
165 100
63 62.5 49.4 74.0
89 57.2 46.5 69.7

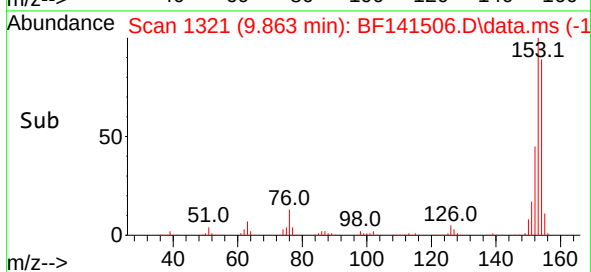
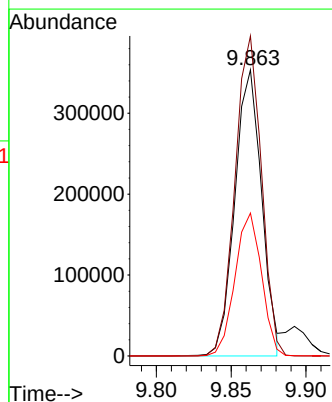
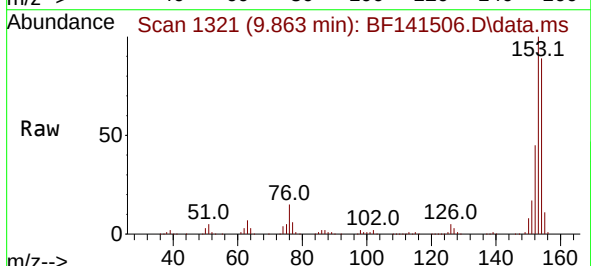
Manual Integrations
APPROVED

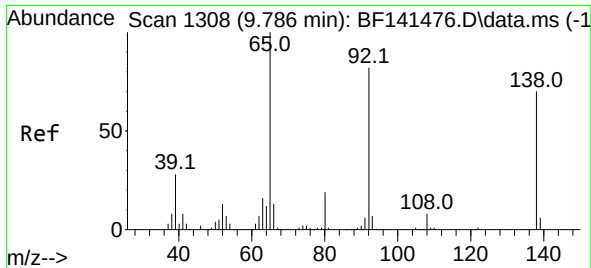
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 38.936 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

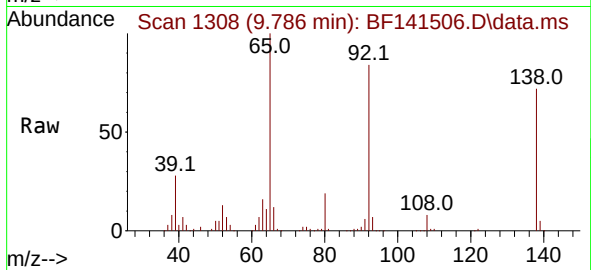
Tgt Ion:154 Resp: 442729
Ion Ratio Lower Upper
154 100
153 111.9 89.2 133.8
152 50.0 39.8 59.8





#53
3-Nitroaniline
Concen: 39.406 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

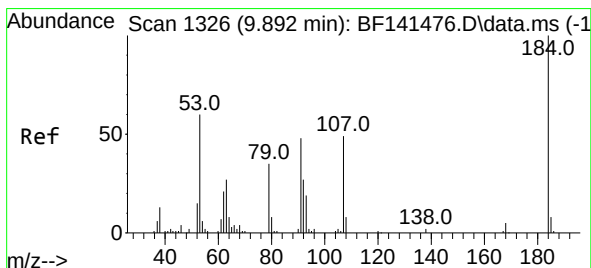
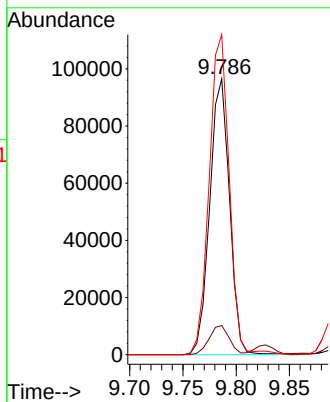
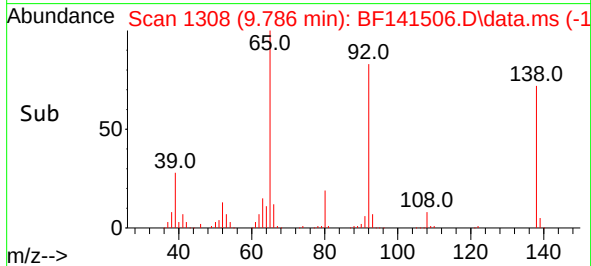
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 124840
Ion Ratio Lower Upper
138 100
108 10.6 9.0 13.4
92 116.0 93.7 140.5

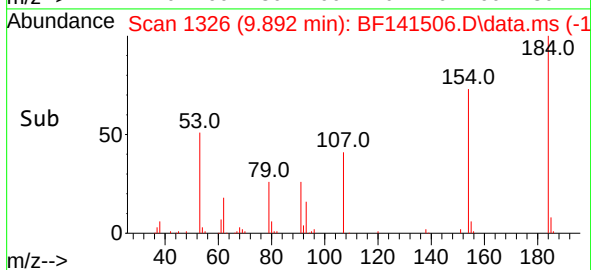
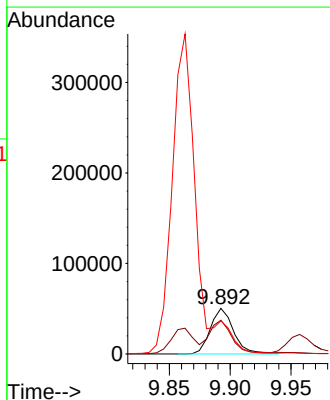
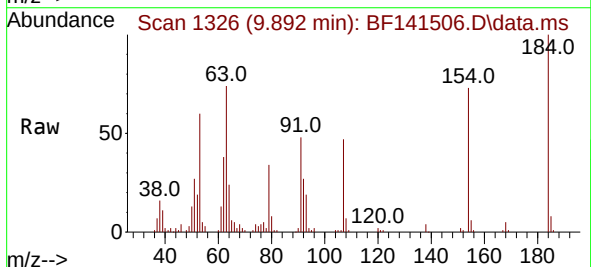
Manual Integrations
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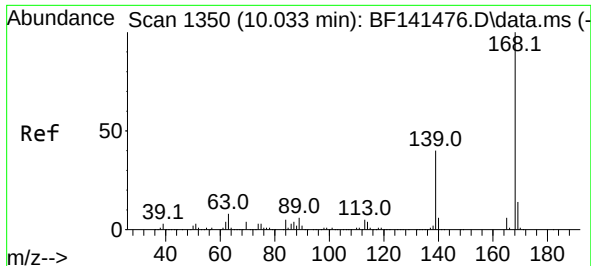
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#54
2,4-Dinitrophenol
Concen: 38.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

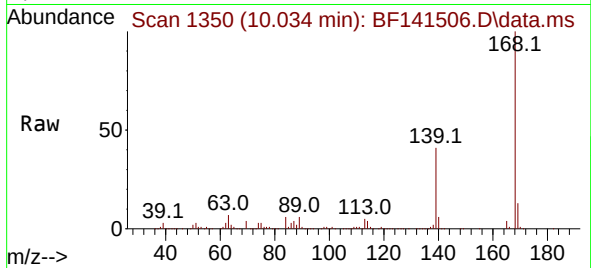
Tgt Ion:184 Resp: 67053
Ion Ratio Lower Upper
184 100
63 74.1 61.0 91.6
154 72.8 59.9 89.9





#55
Dibenzenofuran
Concen: 39.347 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

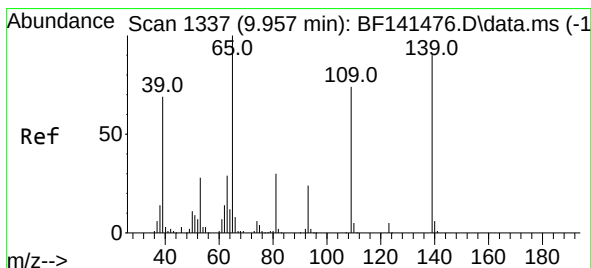
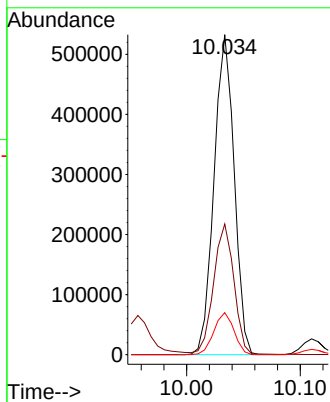
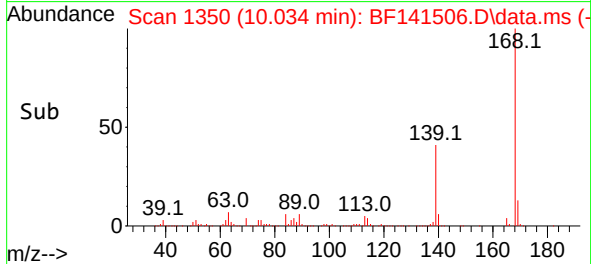
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 65671
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.1 10.8 16.2

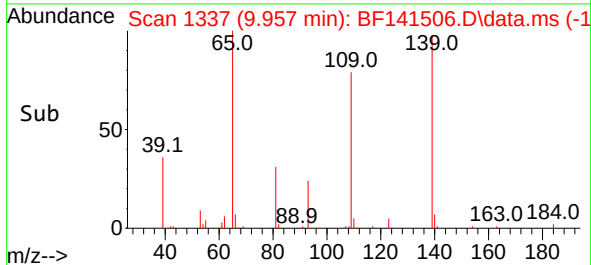
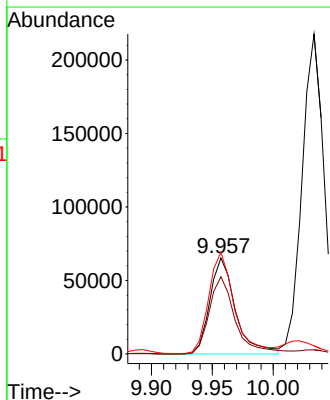
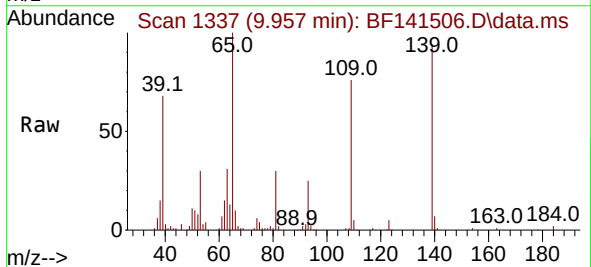
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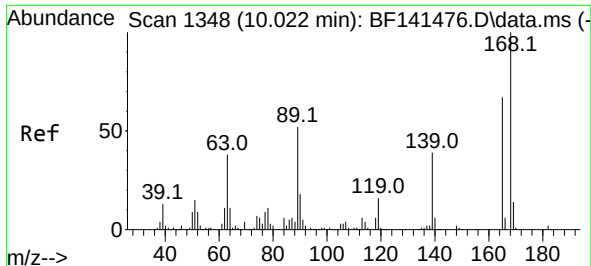
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#56
4-Nitrophenol
Concen: 40.524 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

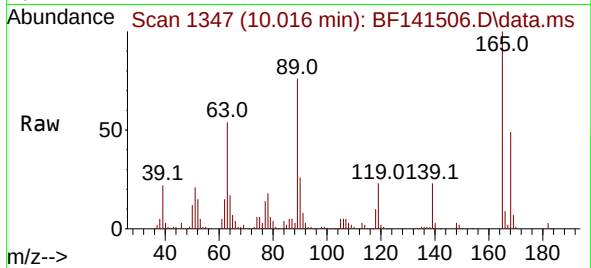
Tgt Ion:139 Resp: 95307
Ion Ratio Lower Upper
139 100
109 80.7 62.0 102.0
65 106.1 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 40.483 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

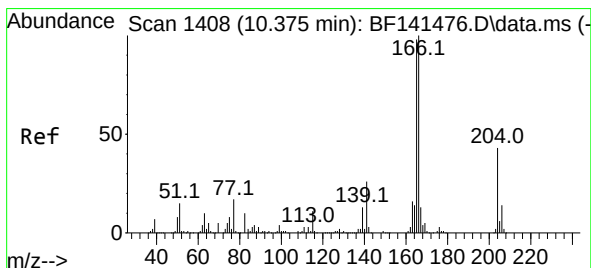
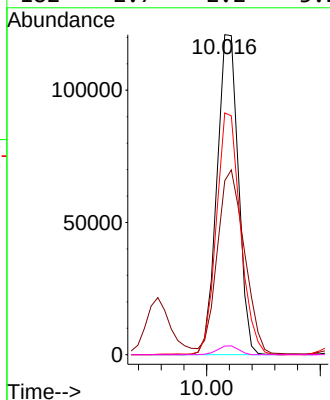
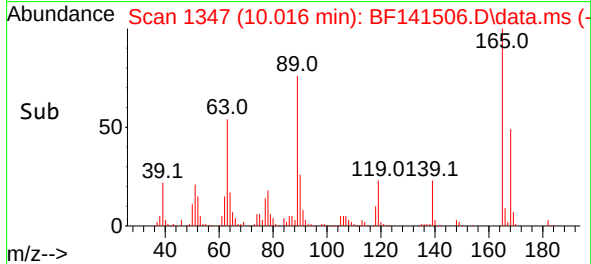
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



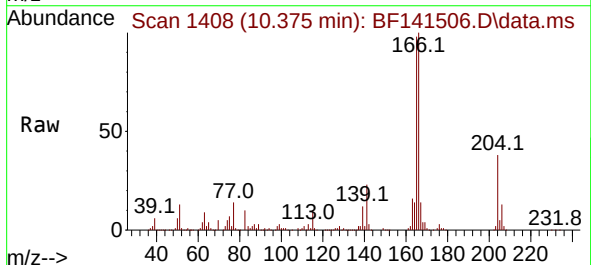
Tgt Ion:165 Resp: 15864
Ion Ratio Lower Upper
165 100
63 54.3 46.4 69.6
89 75.5 61.8 92.6
182 2.7 2.2 3.2

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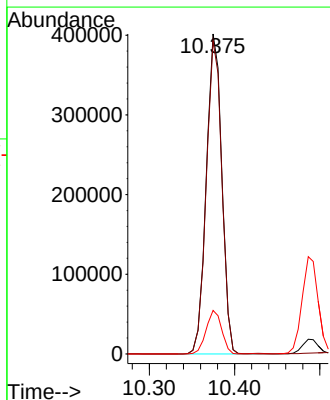
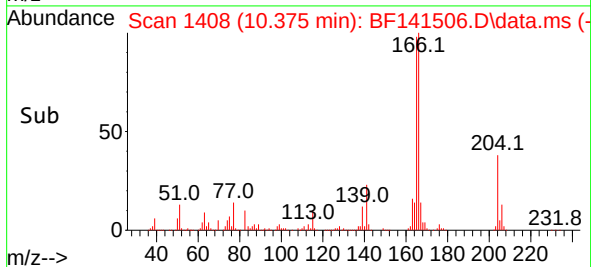
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

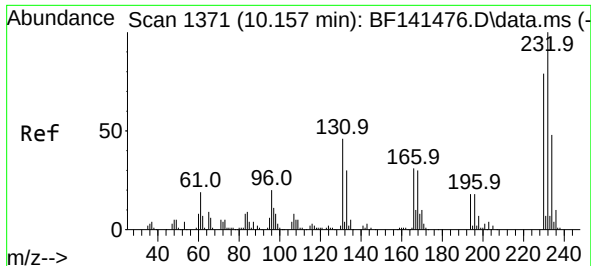


#58
Fluorene
Concen: 39.298 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



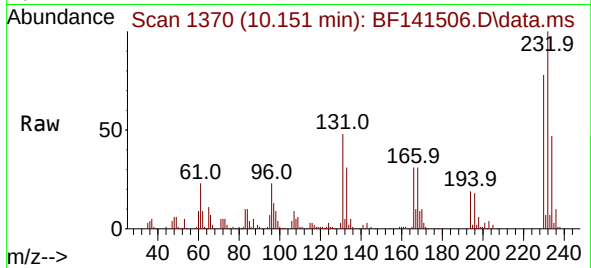
Tgt Ion:166 Resp: 507132
Ion Ratio Lower Upper
166 100
165 97.8 78.2 117.2
167 13.6 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.668 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

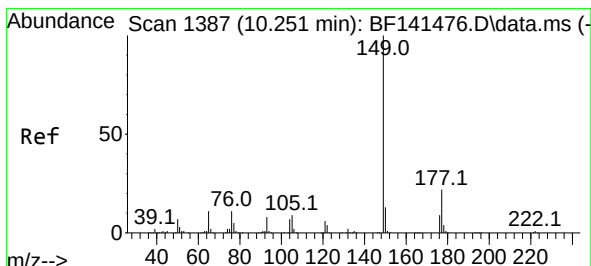
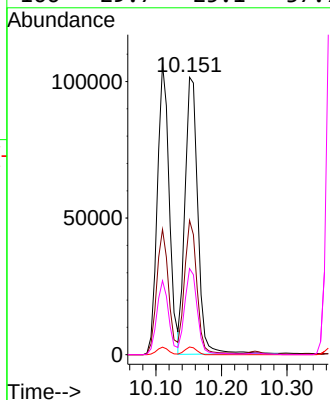
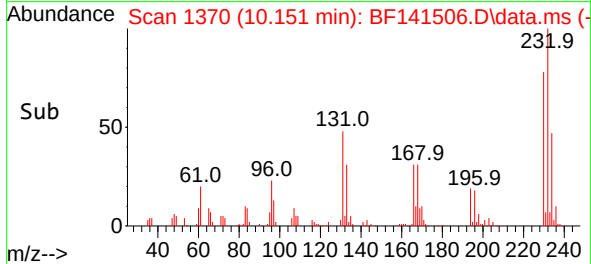
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



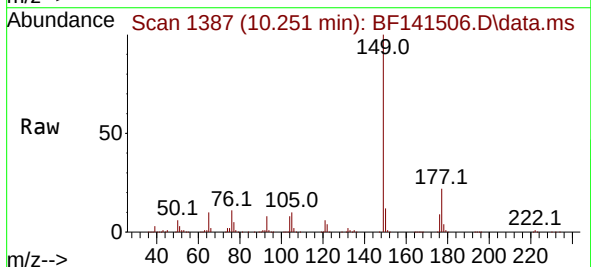
Tgt Ion:232 Resp: 13727
Ion Ratio Lower Upper
232 100
131 46.6 39.2 58.8
130 2.5 2.1 3.1
166 29.7 25.1 37.7

Manual Integrations
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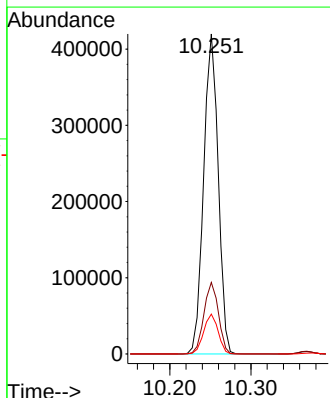
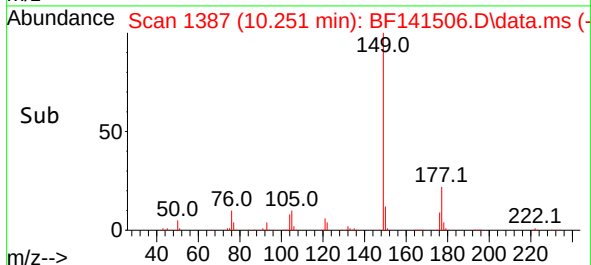
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

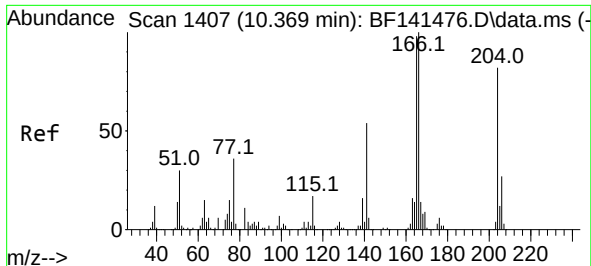


#60
Diethylphthalate
Concen: 39.320 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



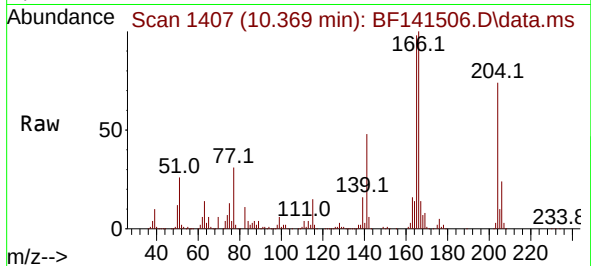
Tgt Ion:149 Resp: 520921
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.371 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

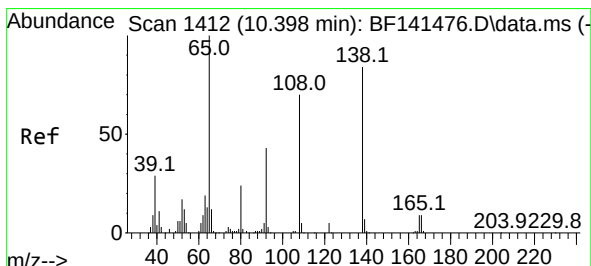
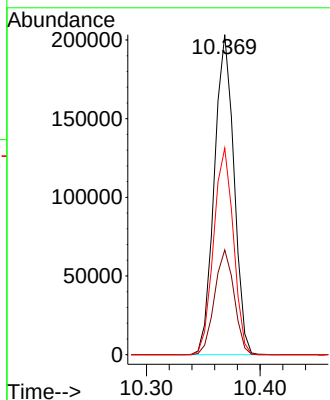
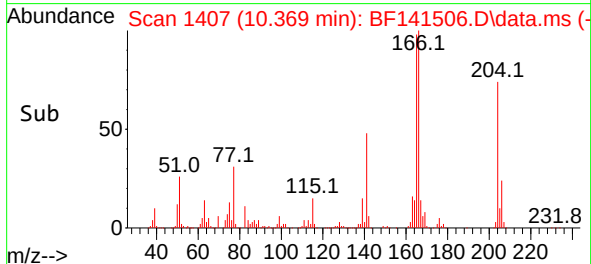
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



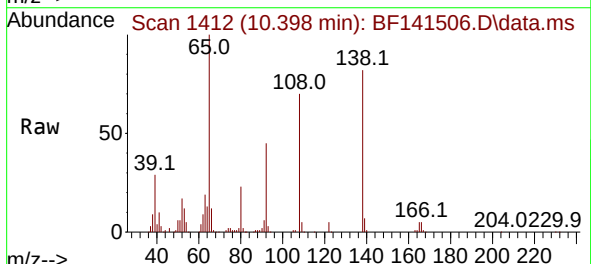
Tgt Ion:204 Resp: 24443
Ion Ratio Lower Upper
204 100
206 32.7 26.6 40.0
141 64.5 51.9 77.9

Manual Integrations
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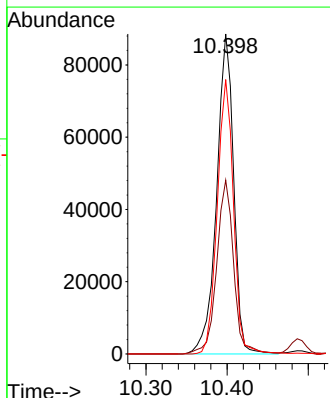
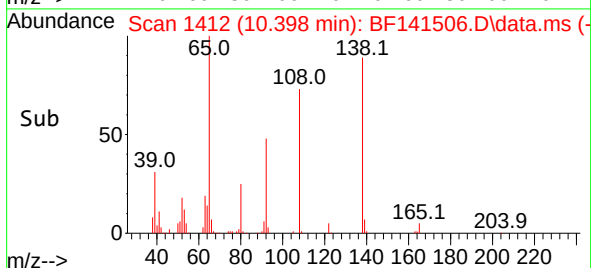
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

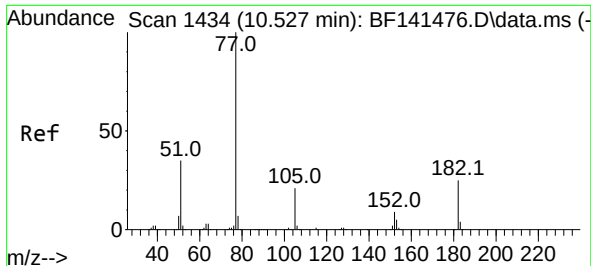


#62
4-Nitroaniline
Concen: 40.203 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



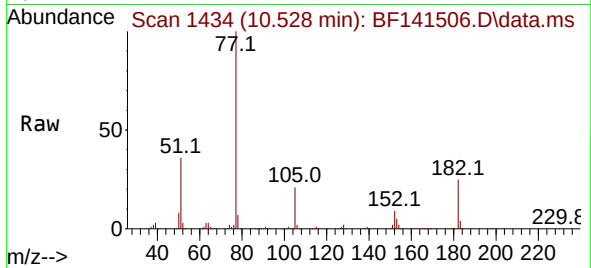
Tgt Ion:138 Resp: 129336
Ion Ratio Lower Upper
138 100
92 54.3 31.3 71.3
108 85.7 63.7 103.7





#63
Azobenzene
Concen: 39.181 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

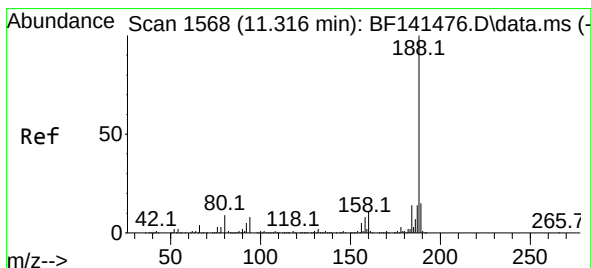
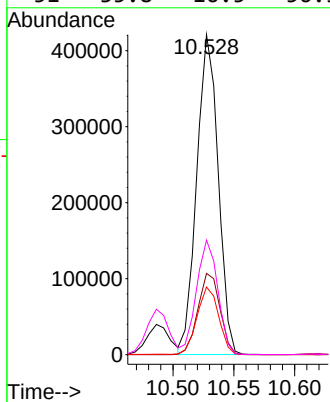
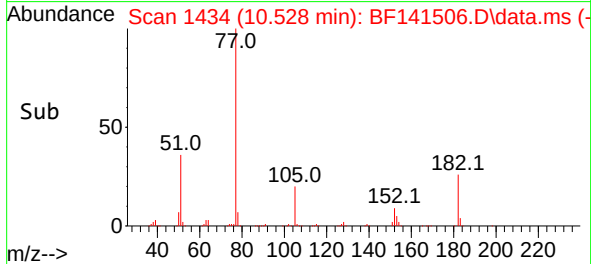
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



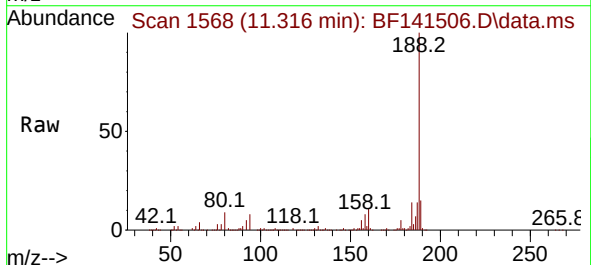
Tgt Ion: 77 Resp: 516030
Ion Ratio Lower Upper
77 100
182 25.4 4.7 44.7
105 21.1 0.4 40.4
51 35.8 16.5 56.5

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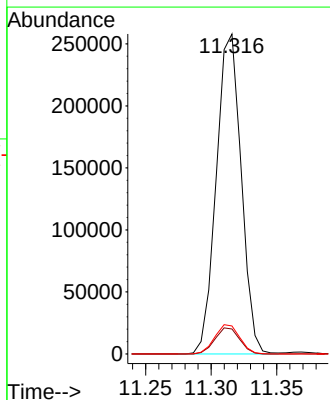
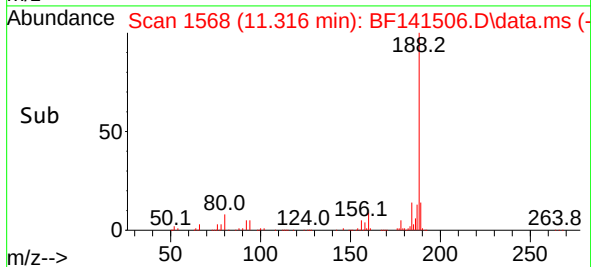
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

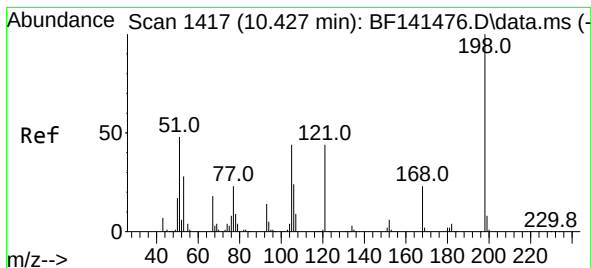


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



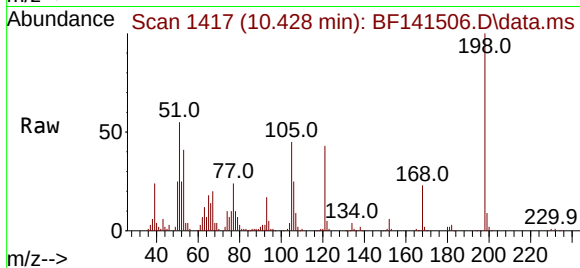
Tgt Ion:188 Resp: 340922
Ion Ratio Lower Upper
188 100
94 7.8 6.6 10.0
80 8.7 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.992 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

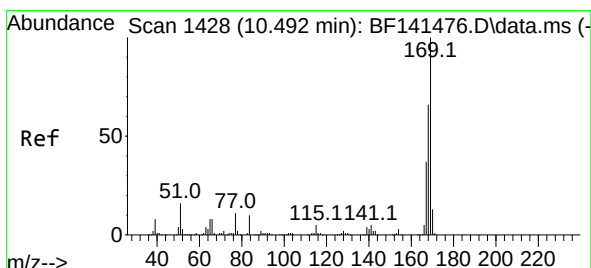
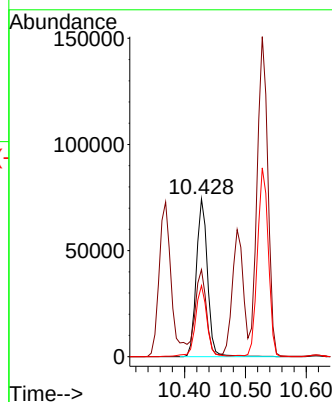
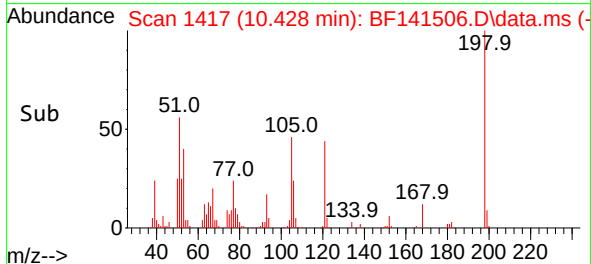
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



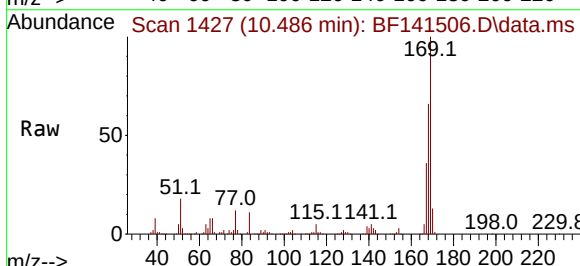
Tgt Ion:198 Resp: 94709
Ion Ratio Lower Upper
198 100
51 55.2 37.4 77.4
105 45.0 25.2 65.2

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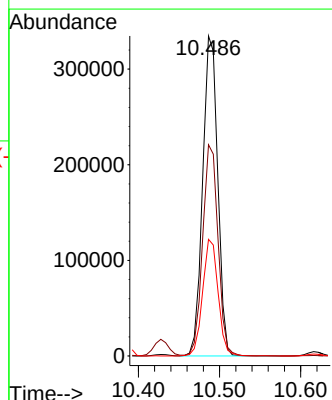
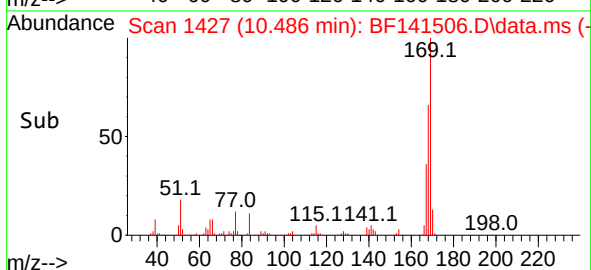
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

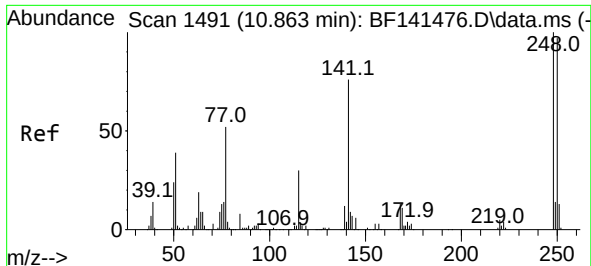


#66
n-Nitrosodiphenylamine
Concen: 39.446 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:169 Resp: 430480
Ion Ratio Lower Upper
169 100
168 66.0 53.3 79.9
167 36.5 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 38.862 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

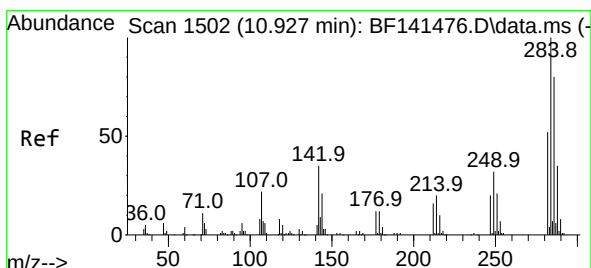
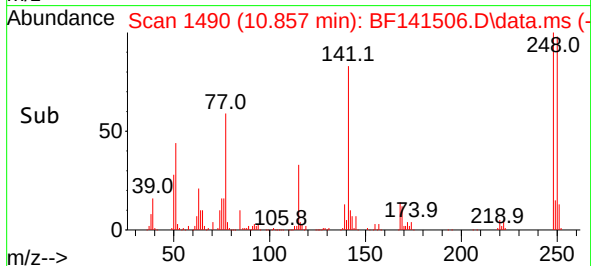
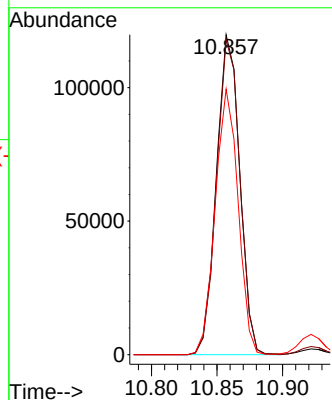
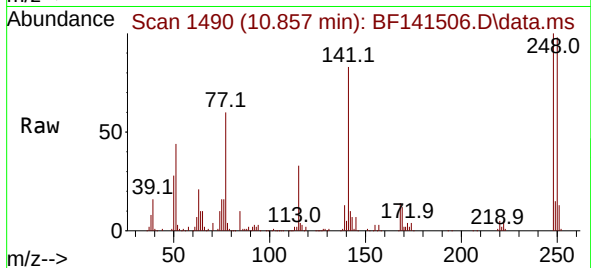
ClientSampleId :

SSTDCCC040

Tgt Ion:248 Resp: 148079
Ion Ratio Lower Upper
248 100
250 98.5 77.8 116.6
141 83.0 60.6 90.8

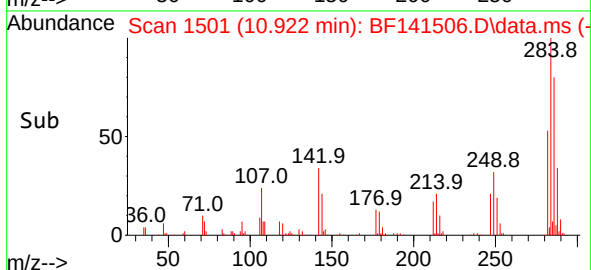
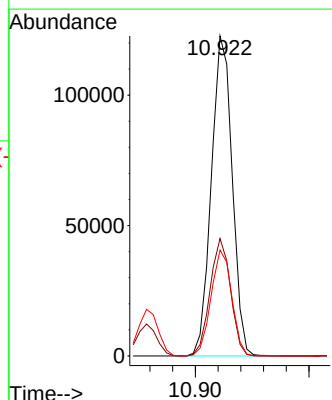
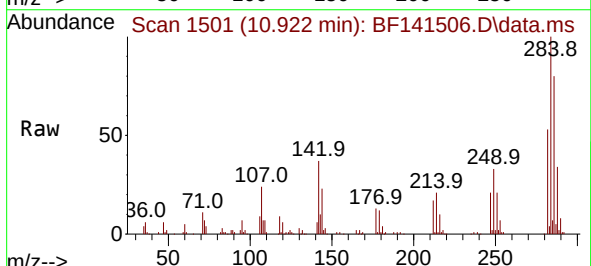
Manual Integrations
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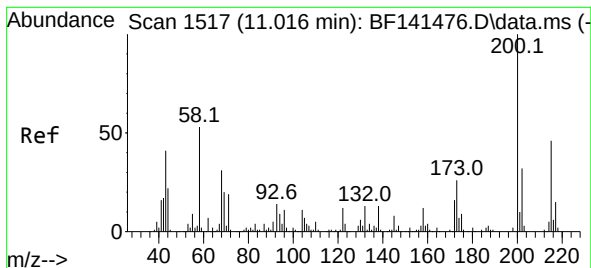
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#68
Hexachlorobenzene
Concen: 39.865 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:284 Resp: 156412
Ion Ratio Lower Upper
284 100
142 36.7 28.0 42.0
249 33.1 25.8 38.8





#69

Atrazine

Concen: 37.952 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

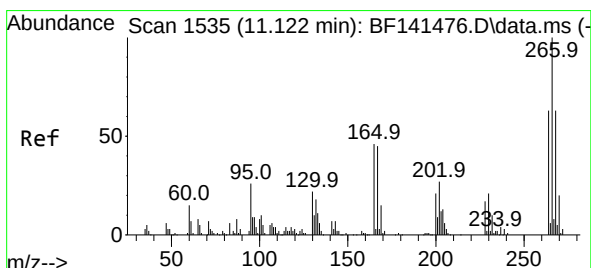
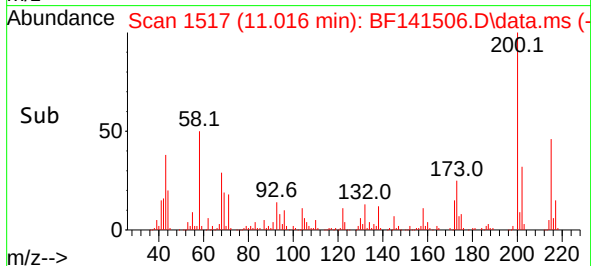
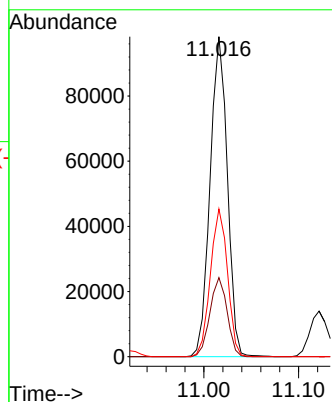
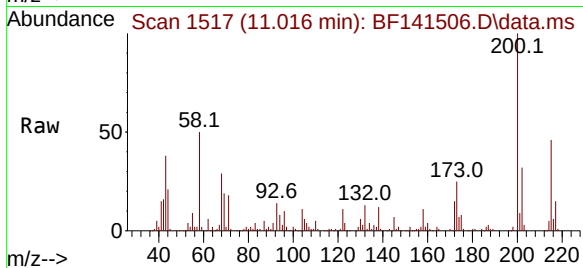
ClientSampleId :

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Tgt Ion:200 Resp: 12425
 Ion Ratio Lower Upper
 200 100
 173 24.7 5.9 45.9
 215 46.2 25.9 65.9

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Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#70

Pentachlorophenol

Concen: 39.932 ng

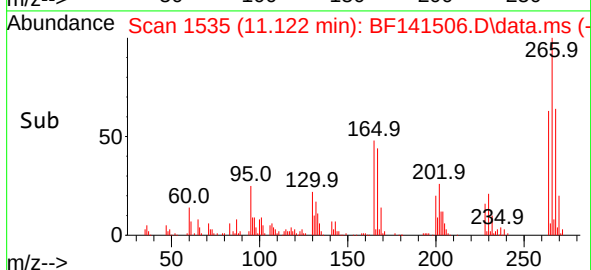
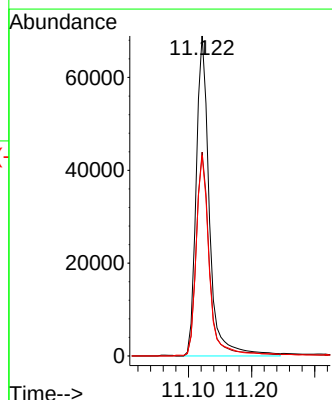
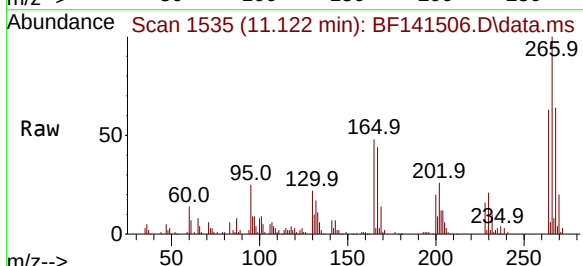
RT: 11.122 min Scan# 1535

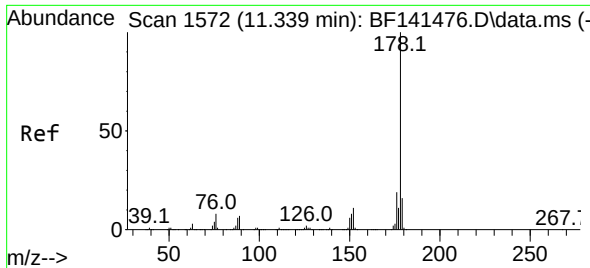
Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

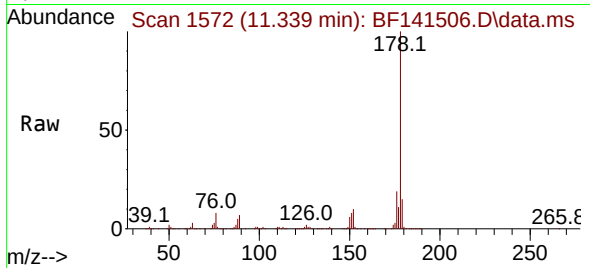
Tgt Ion:266 Resp: 100181
 Ion Ratio Lower Upper
 266 100
 268 63.7 50.1 75.1
 264 62.7 50.1 75.1





#71
Phenanthrene
Concen: 39.319 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

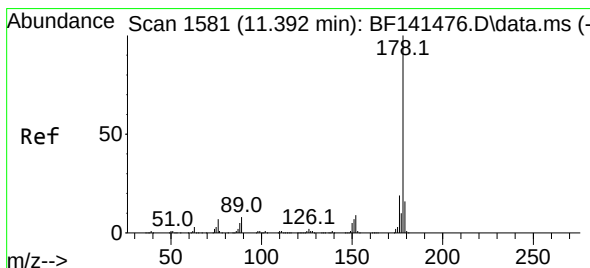
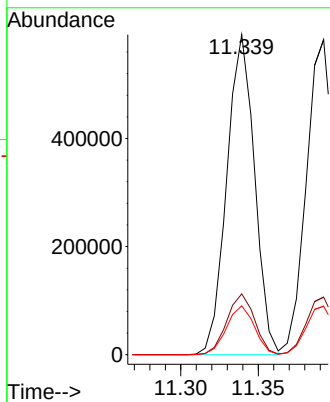
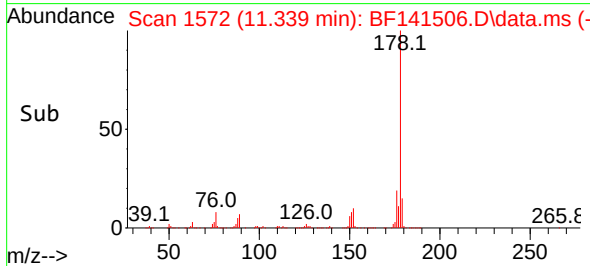
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



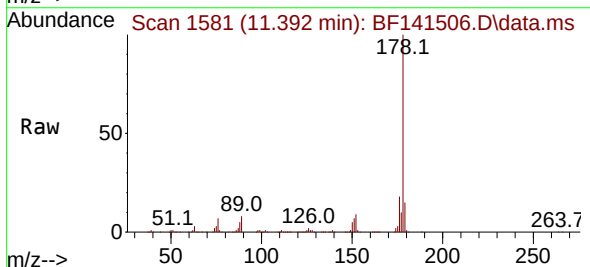
Tgt Ion:178 Resp: 737878
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.4 18.6

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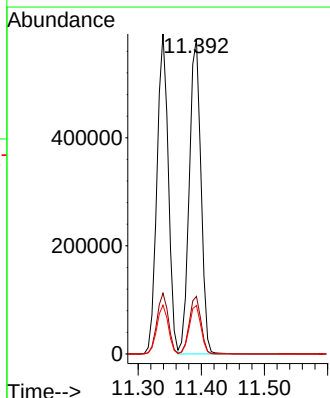
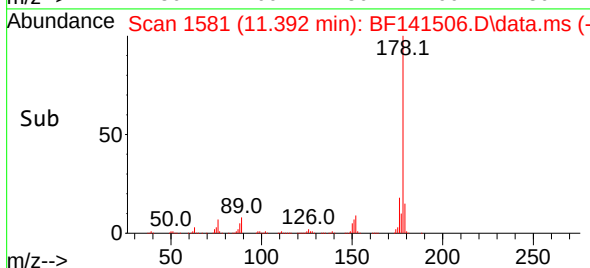
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

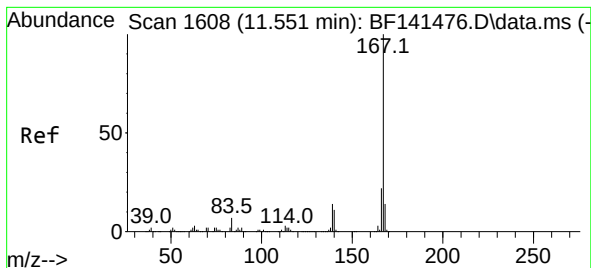


#72
Anthracene
Concen: 39.564 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



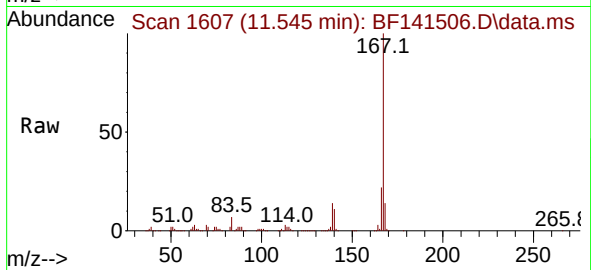
Tgt Ion:178 Resp: 746361
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 40.316 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33

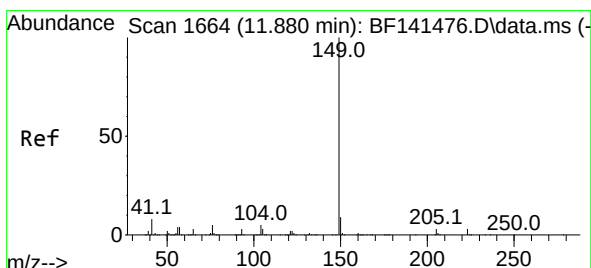
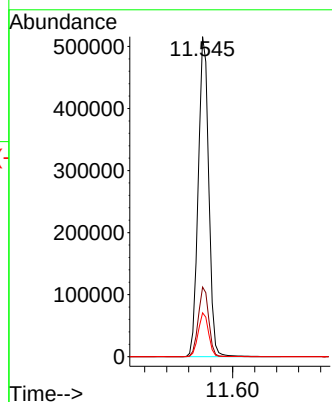
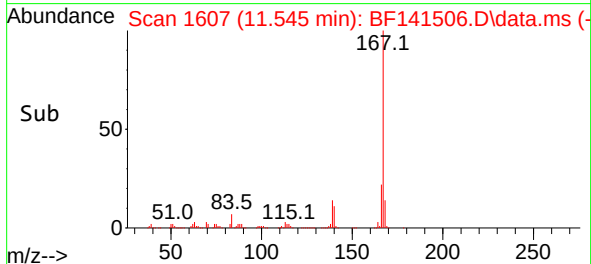
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



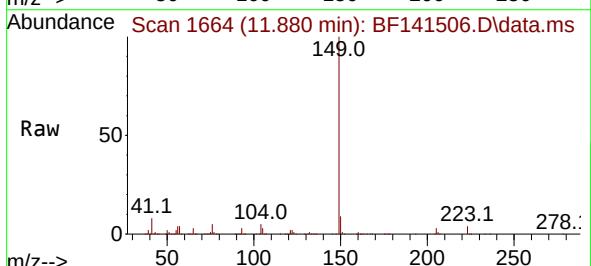
Tgt Ion:167 Resp: 68433
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.7 10.9 16.3

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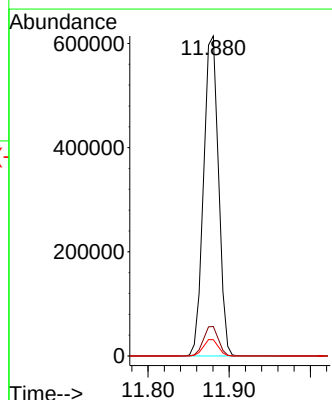
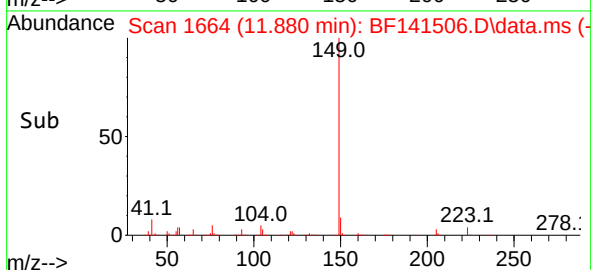
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

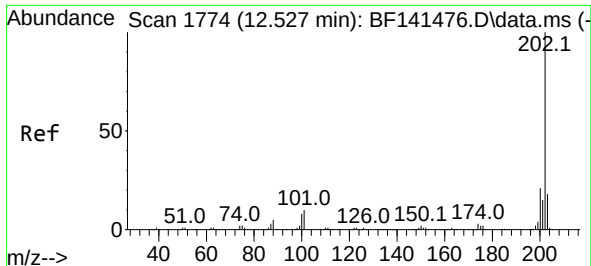


#74
 Di-n-butylphthalate
 Concen: 40.060 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. 0.000 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33



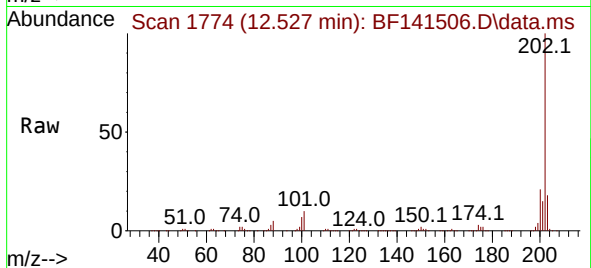
Tgt Ion:149 Resp: 785155
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 40.018 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

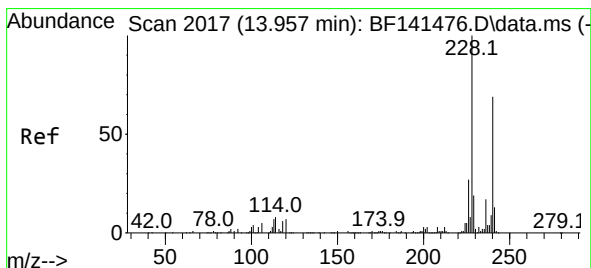
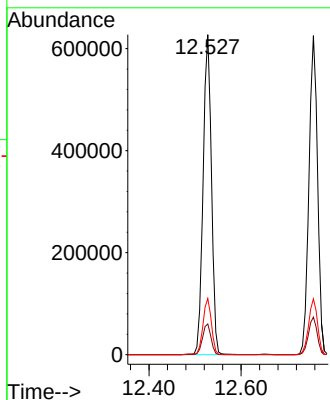
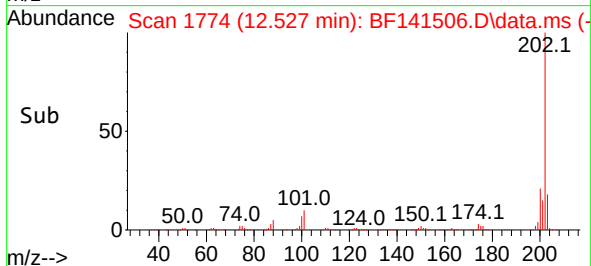
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



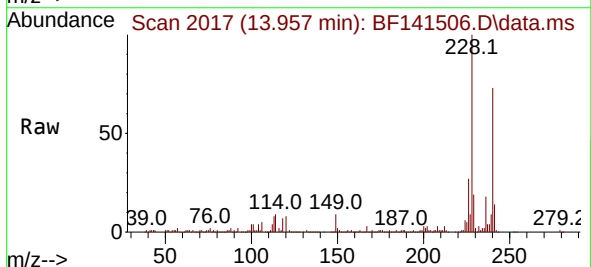
Tgt Ion:202 Resp: 79620
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.6 0.0 37.6

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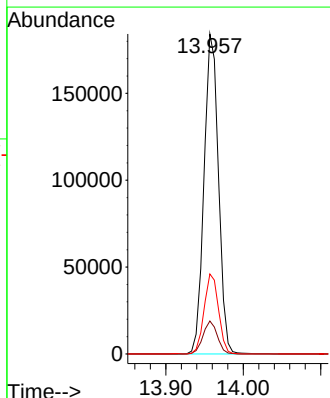
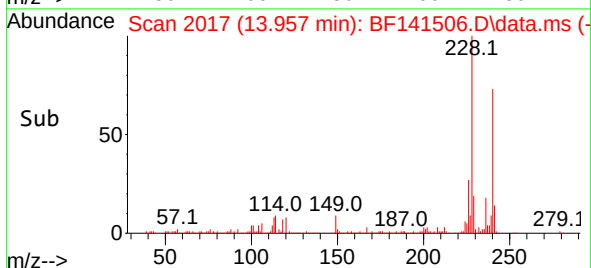
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

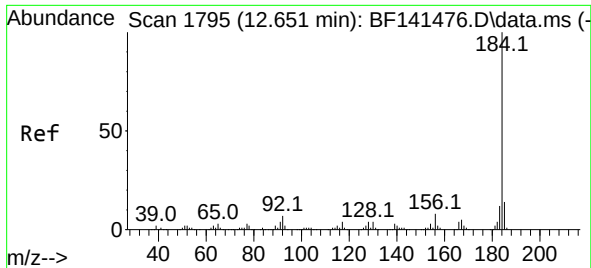


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



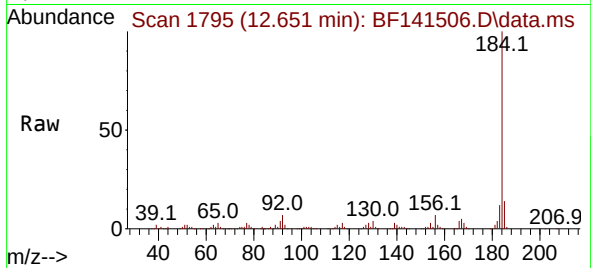
Tgt Ion:240 Resp: 238177
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.0 19.8 29.8





#77
Benzidine
Concen: 44.226 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

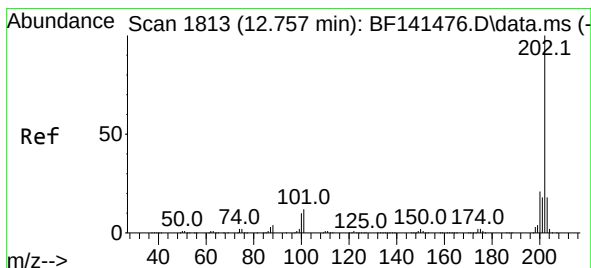
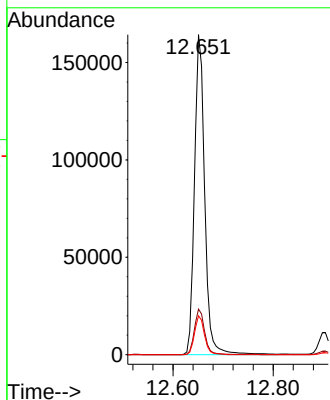
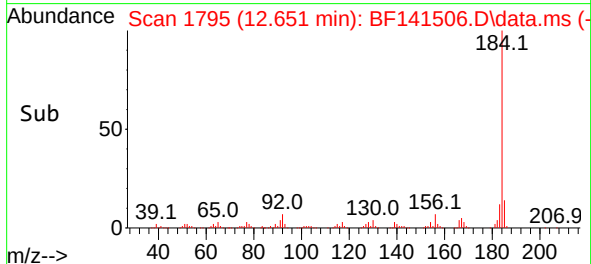
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



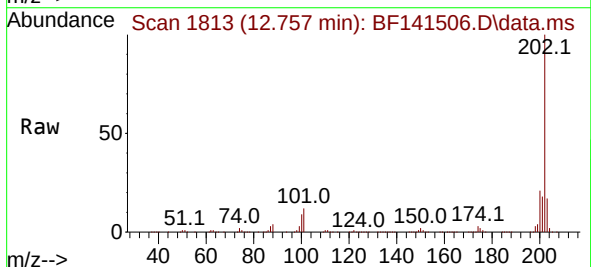
Tgt Ion:184 Resp: 232310
Ion Ratio Lower Upper
184 100
185 14.3 11.3 16.9
183 12.1 9.3 13.9

Manual Integrations
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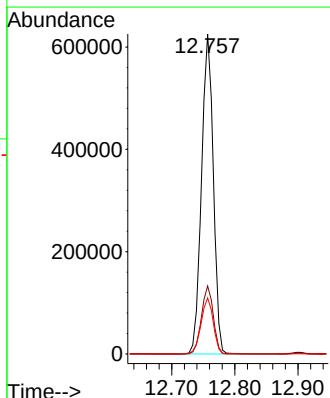
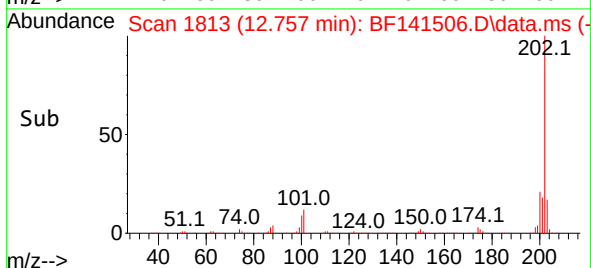
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

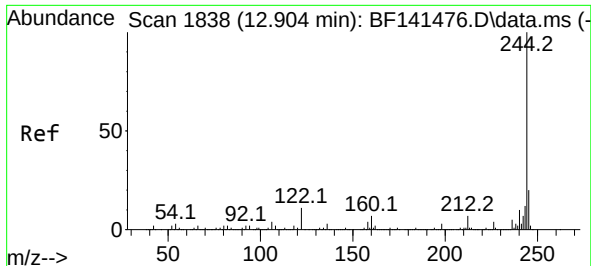


#78
Pyrene
Concen: 39.977 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:202 Resp: 810550
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.5 14.3 21.5





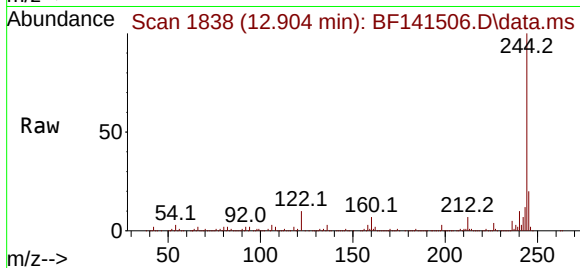
#79
Terphenyl-d14
Concen: 79.087 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

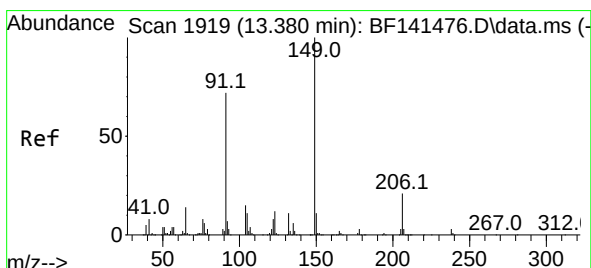
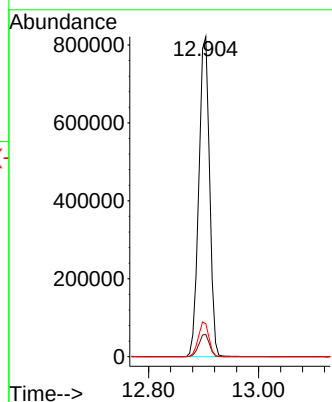
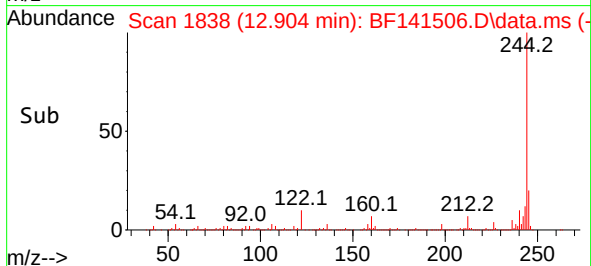
SSTDCCC040



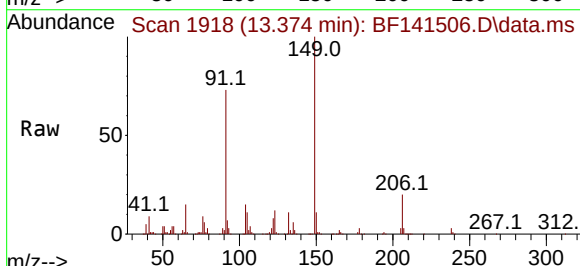
Tgt Ion:244 Resp: 1115800
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.3 8.4 12.6

Manual Integrations
APPROVED

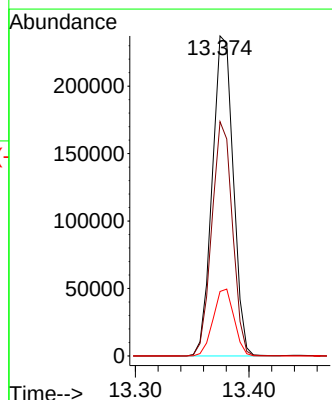
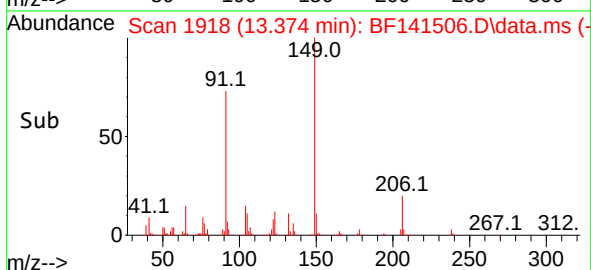
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

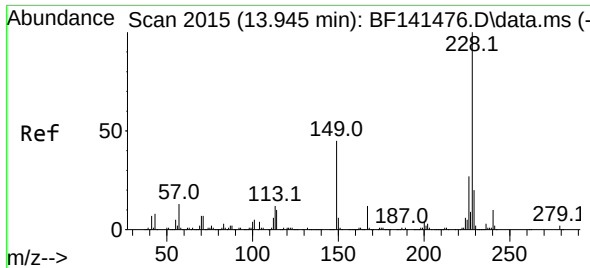


#80
Butylbenzylphthalate
Concen: 43.443 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



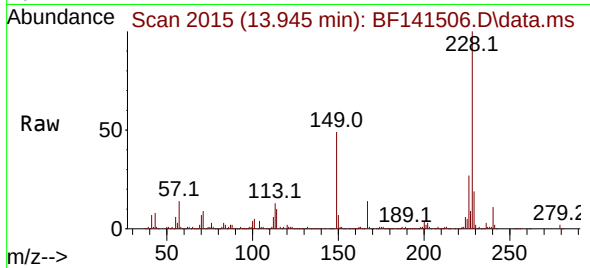
Tgt Ion:149 Resp: 305087
Ion Ratio Lower Upper
149 100
91 73.2 57.8 86.8
206 20.2 16.7 25.1





#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

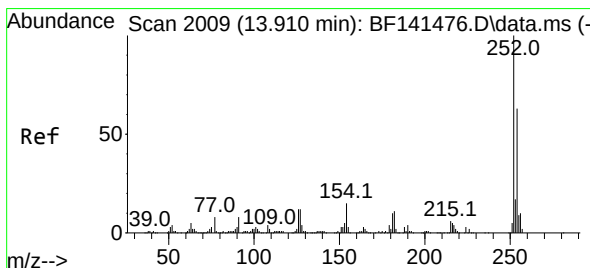
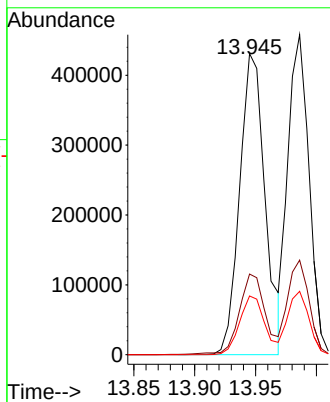
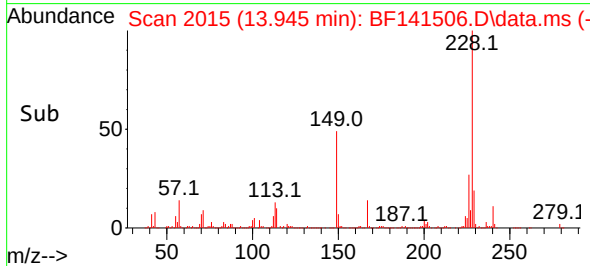
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



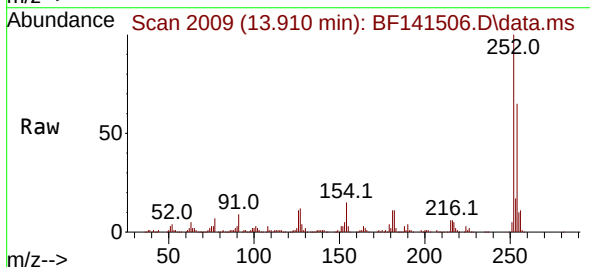
Tgt Ion:228 Resp: 626940
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.5 15.8 23.6

Manual Integrations
APPROVED

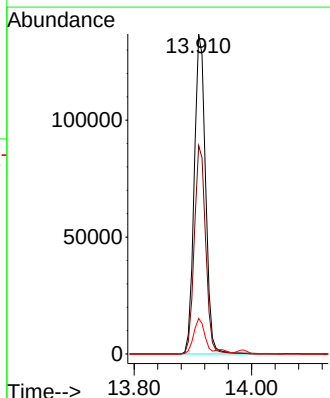
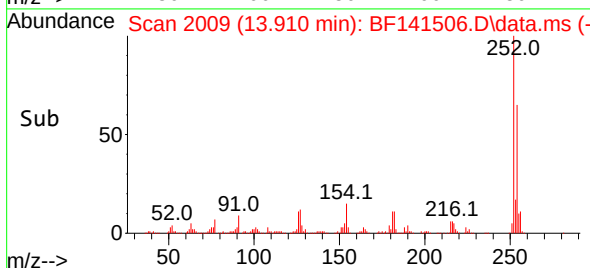
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

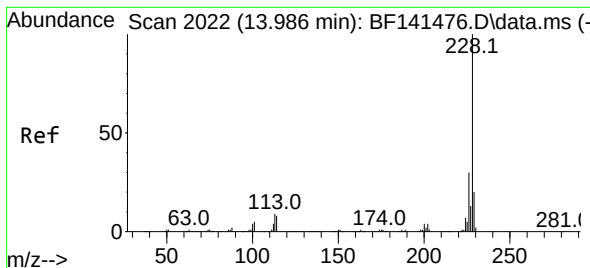


#82
3,3'-Dichlorobenzidine
Concen: 40.414 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:252 Resp: 183288
Ion Ratio Lower Upper
252 100
254 65.1 50.6 76.0
126 11.1 9.3 13.9





#83

Chrysene

Concen: 38.041 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141506.D

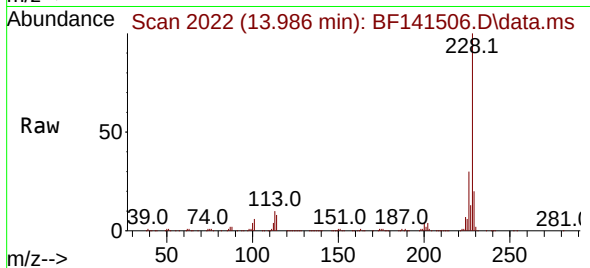
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:228 Resp: 556110

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

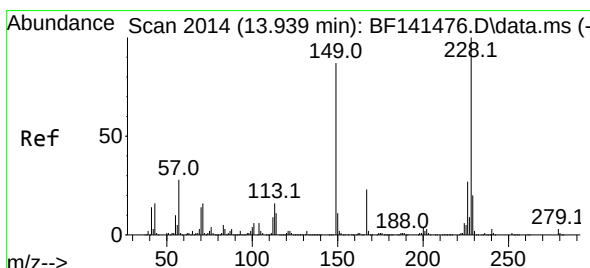
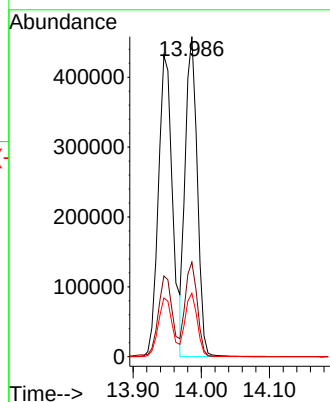
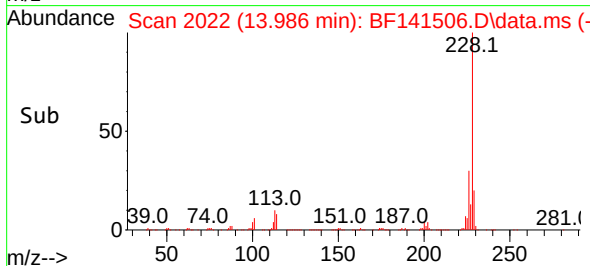
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.626 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

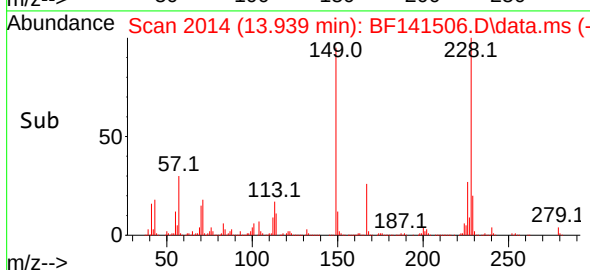
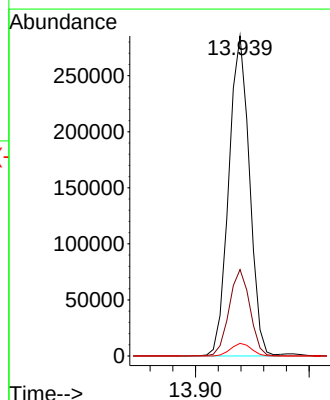
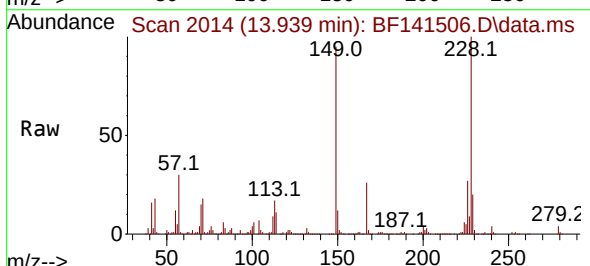
Tgt Ion:149 Resp: 361384

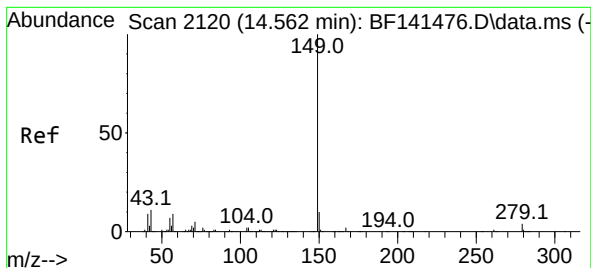
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

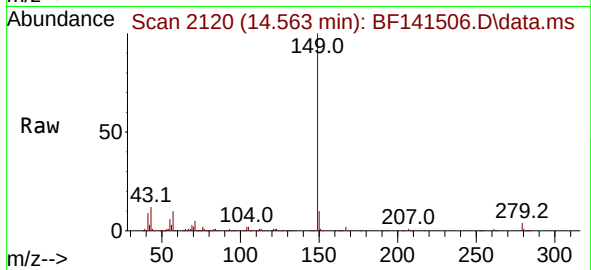
279 3.9 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 42.871 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

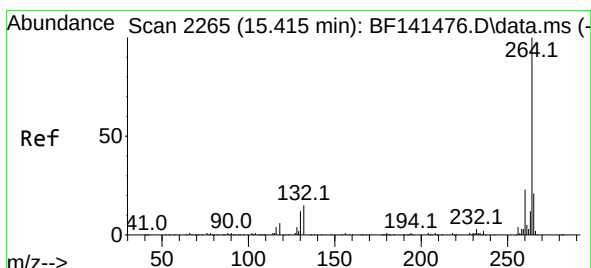
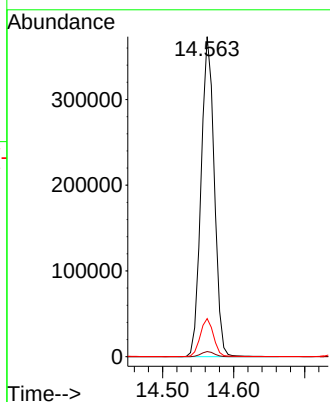
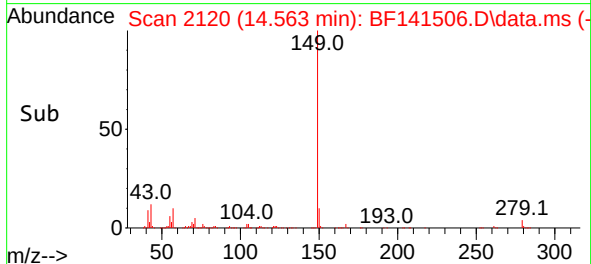
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



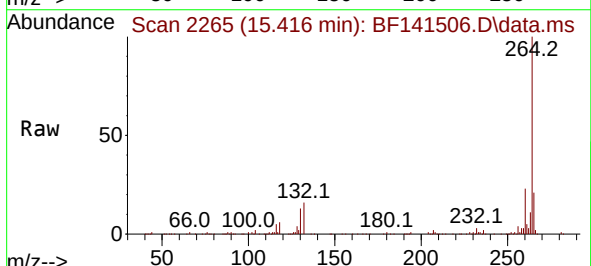
Tgt Ion:149 Resp: 484418
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.5 14.3

Manual Integrations
APPROVED

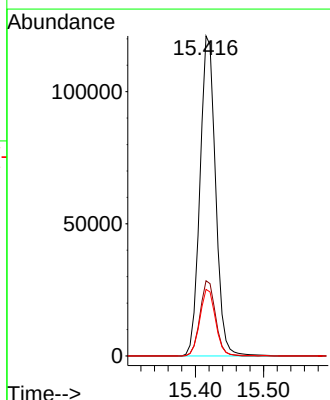
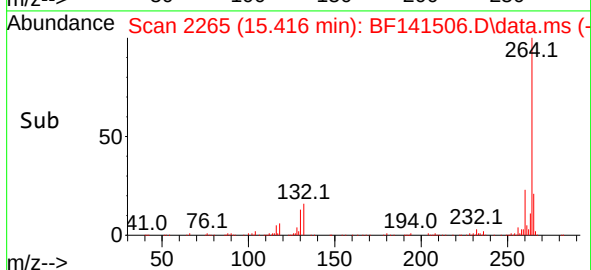
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

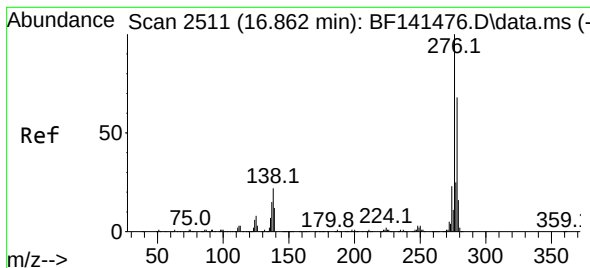


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:264 Resp: 192868
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 20.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.313 ng

RT: 16.862 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF141506.D

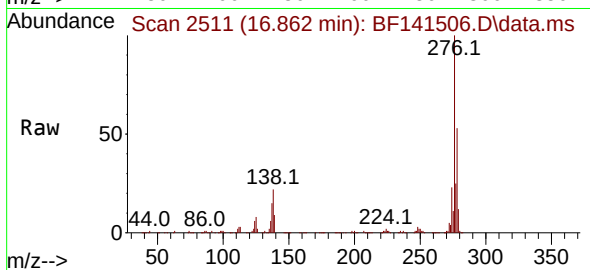
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDC0040



Tgt Ion:276 Resp: 480414

Ion Ratio Lower Upper

276 100

138 22.9 18.0 27.0

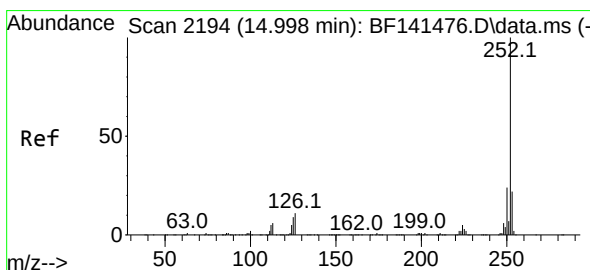
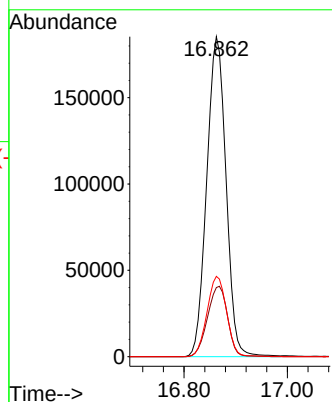
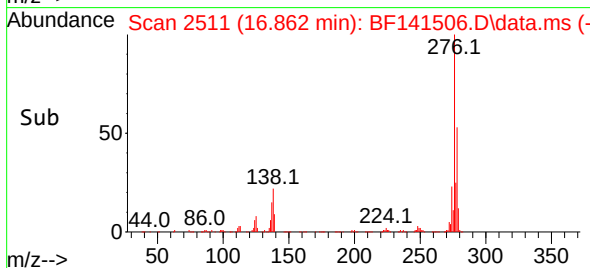
277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 42.468 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

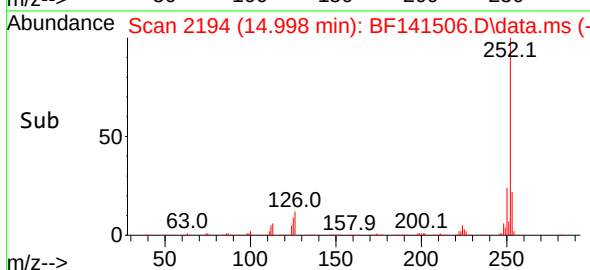
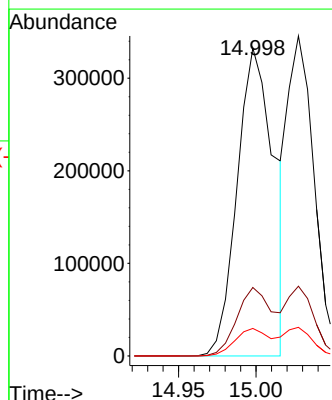
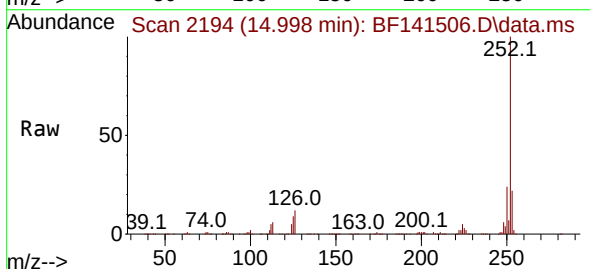
Tgt Ion:252 Resp: 549964

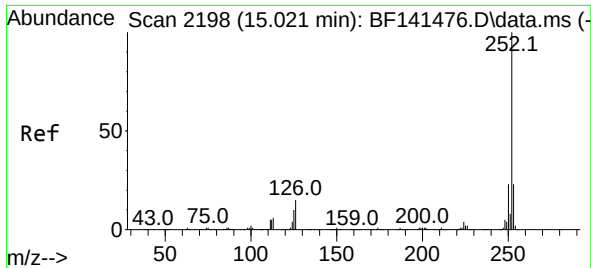
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.0 7.0 10.6





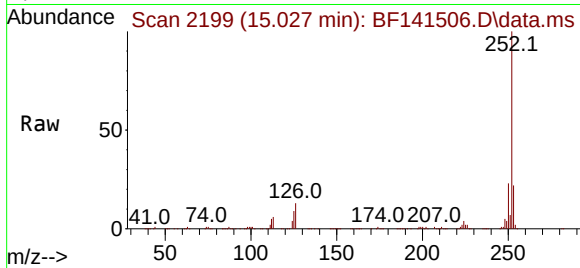
#89
Benzo(k)fluoranthene
Concen: 37.333 ng
RT: 15.027 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTCCCC040



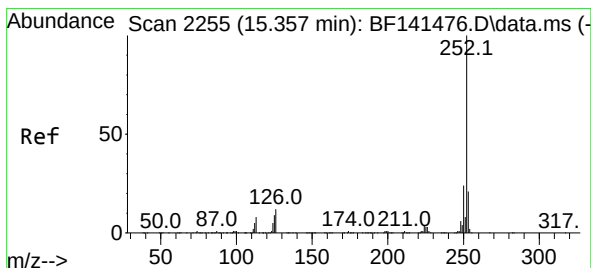
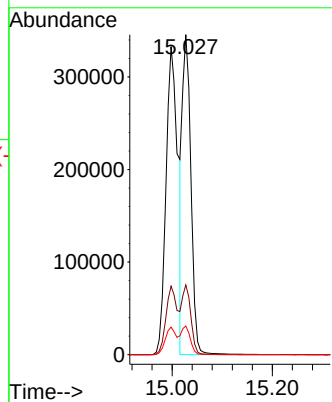
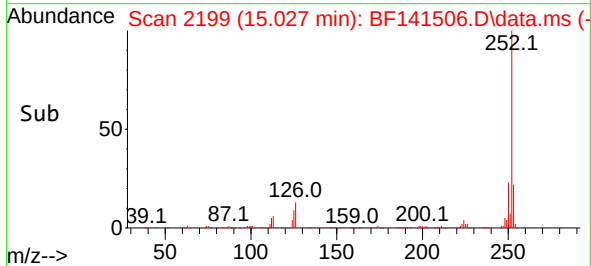
Tgt Ion:252 Resp: 412835
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 9.0 7.4 11.0

Manual Integrations

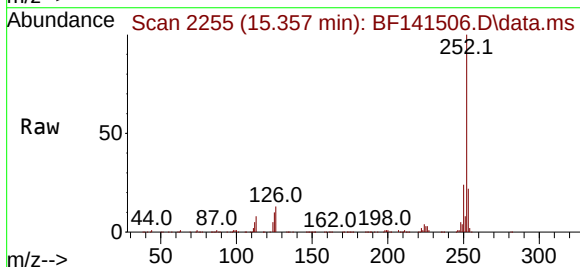
APPROVED

Reviewed By :Anahy Claudio 02/10/2025

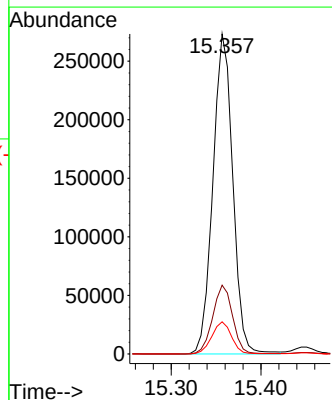
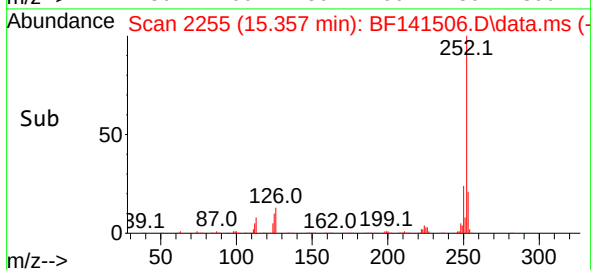
Supervised By :mohammad ahmed 02/12/2025

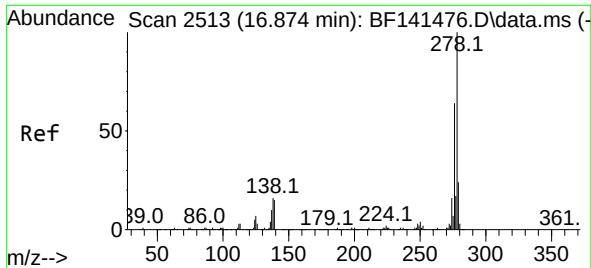


#90
Benzo(a)pyrene
Concen: 40.121 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:252 Resp: 420423
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 10.1 7.4 11.2





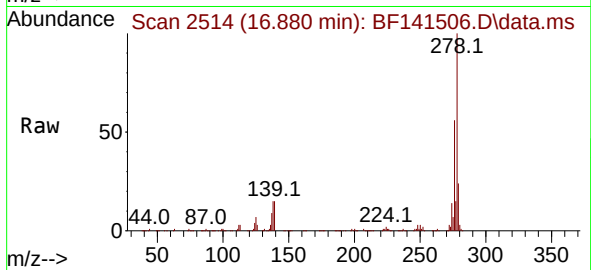
#91
Dibenzo(a,h)anthracene
Concen: 40.397 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

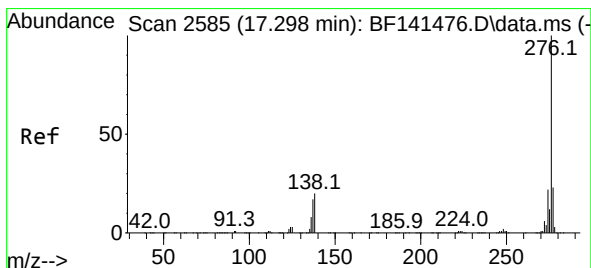
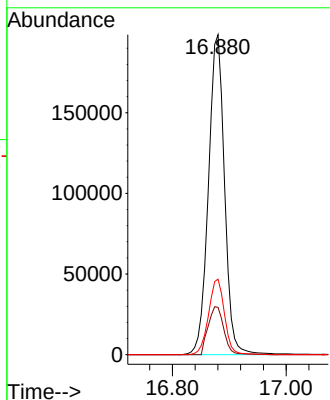
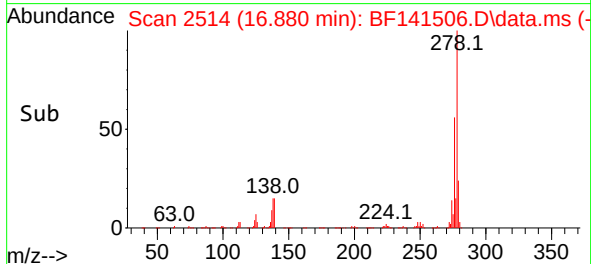
SSTDCCC040



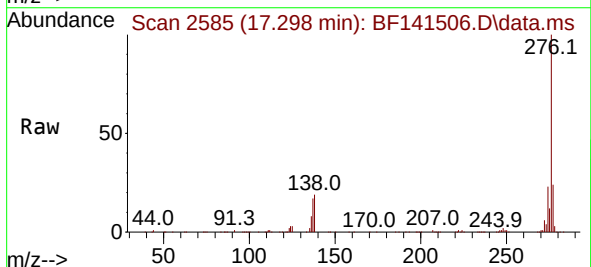
Tgt Ion:278 Resp: 390089
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.6
279 23.6 19.1 28.7

Manual Integrations
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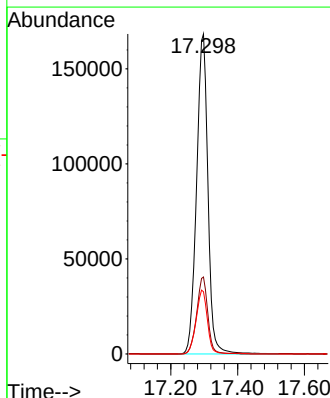
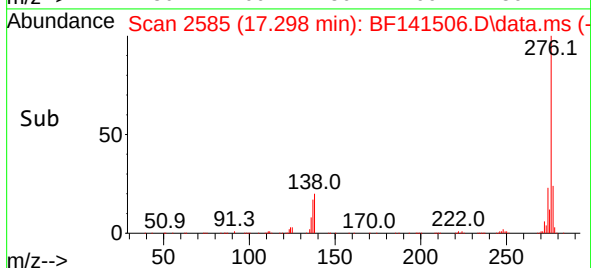
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 39.245 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:276 Resp: 396572
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 19.5 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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	0.513	0.512	0.2	102	0.00
3	Pyridine	1.222	1.278	-4.6	104	-0.02
4	n-Nitrosodimethylamine	0.809	0.799	1.2	101	-0.03
5 S	2-Fluorophenol	1.276	1.294	-1.4	104	0.00
6	Aniline	1.513	1.505	0.5	101	-0.01
7 S	Phenol-d6	1.612	1.599	0.8	102	-0.01
8	2-Chlorophenol	1.378	1.383	-0.4	103	-0.01
9	Benzaldehyde	0.857	0.844	1.5	106	0.00
10 C	Phenol	1.678	1.676	0.1	103	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.237	1.9	101	0.00
12	1,3-Dichlorobenzene	1.455	1.445	0.7	103	0.00
13 C	1,4-Dichlorobenzene	1.487	1.444	2.9	101	0.00
14	1,2-Dichlorobenzene	1.380	1.372	0.6	103	0.00
15	Benzyl Alcohol	1.236	1.208	2.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.121	1.7	101	0.00
17	2-Methylphenol	1.079	1.064	1.4	102	0.00
18	Hexachloroethane	0.550	0.545	0.9	102	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.978	-1.5	104	-0.01
20	3+4-Methylphenols	1.371	1.329	3.1	100	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	Acetophenone	0.498	0.489	1.8	102	-0.01
23 S	Nitrobenzene-d5	0.383	0.384	-0.3	102	0.00
24	Nitrobenzene	0.374	0.372	0.5	102	0.00
25	Isophorone	0.611	0.607	0.7	102	-0.01
26 C	2-Nitrophenol	0.186	0.191	-2.7	102	0.00
27	2,4-Dimethylphenol	0.217	0.219	-0.9	101	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.396	-1.0	103	0.00
29 C	2,4-Dichlorophenol	0.294	0.296	-0.7	102	0.00
30	1,2,4-Trichlorobenzene	0.320	0.319	0.3	103	0.00
31	Naphthalene	1.041	1.040	0.1	103	0.00
32	Benzoic acid	0.226	0.226	0.0	101	-0.04
33	4-Chloroaniline	0.363	0.327	9.9	92	-0.01
34 C	Hexachlorobutadiene	0.192	0.191	0.5	102	0.00
35	Caprolactam	0.089	0.093	-4.5	103	-0.03
36 C	4-Chloro-3-methylphenol	0.325	0.326	-0.3	102	0.00
37	2-Methylnaphthalene	0.677	0.668	1.3	102	0.00
38	1-Methylnaphthalene	0.656	0.647	1.4	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.571	1.4	100	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.193	-0.5	97	0.00
42 S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	-0.01
43 C	2,4,6-Trichlorophenol	0.374	0.368	1.6	100	0.00
44	2,4,5-Trichlorophenol	0.405	0.399	1.5	100	0.00
45 S	2-Fluorobiphenyl	1.298	1.268	2.3	103	0.00
46	1,1'-Biphenyl	1.551	1.528	1.5	101	0.00
47	2-Chloronaphthalene	1.147	1.132	1.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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	0.385	0.0	101	0.00
49	Acenaphthylene	1.705	1.697	0.5	103	0.00
50	Dimethylphthalate	1.358	1.338	1.5	102	-0.01
51	2,6-Dinitrotoluene	0.297	0.295	0.7	100	0.00
52 C	Acenaphthene	1.147	1.116	2.7	99	0.00
53	3-Nitroaniline	0.319	0.315	1.3	101	0.00
54 P	2,4-Dinitrophenol	0.176	0.169	4.0	98	-0.01
55	Dibenzofuran	1.683	1.655	1.7	101	0.00
56 P	4-Nitrophenol	0.237	0.240	-1.3	99	-0.01
57	2,4-Dinitrotoluene	0.395	0.400	-1.3	103	-0.01
58	Fluorene	1.301	1.278	1.8	102	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.346	0.9	102	-0.01
60	Diethylphthalate	1.336	1.313	1.7	101	0.00
61	4-Chlorophenyl-phenylether	0.626	0.616	1.6	102	0.00
62	4-Nitroaniline	0.324	0.326	-0.6	100	-0.02
63	Azobenzene	1.328	1.301	2.0	101	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.139	0.0	99	-0.01
66 c	n-Nitrosodiphenylamine	0.640	0.631	1.4	102	-0.01
67	4-Bromophenyl-phenylether	0.224	0.217	3.1	100	0.00
68	Hexachlorobenzene	0.230	0.229	0.4	102	0.00
69	Atrazine	0.192	0.182	5.2	100	0.00
70 C	Pentachlorophenol	0.147	0.147	0.0	97	0.00
71	Phenanthrene	1.101	1.082	1.7	101	0.00
72	Anthracene	1.107	1.095	1.1	102	0.00
73	Carbazole	0.996	1.004	-0.8	103	0.00
74	Di-n-butylphthalate	1.150	1.152	-0.2	102	0.00
75 C	Fluoranthene	1.167	1.168	-0.1	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	106	0.00
77	Benzydine	0.441	0.488	-10.7	98	0.00
78	Pyrene	1.703	1.702	0.1	103	0.00
79 S	Terphenyl-d14	1.185	1.171	1.2	103	0.00
80	Butylbenzylphthalate	0.590	0.640	-8.5	111	0.00
81	Benzo(a)anthracene	1.329	1.316	1.0	103	0.00
82	3,3'-Dichlorobenzidine	0.381	0.385	-1.0	108	0.00
83	Chrysene	1.228	1.167	5.0	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.665	0.759	-14.1	116	0.00
85 c	Di-n-octyl phthalate	0.949	1.017	-7.2	111	0.00
86 I	Perylene-d12	1.000	1.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	1.236	1.245	-0.7	102	-0.01
88	Benzo(b)fluoranthene	1.343	1.426	-6.2	113	0.00
89	Benzo(k)fluoranthene	1.147	1.070	6.7	99	0.00
90 C	Benzo(a)pyrene	1.087	1.090	-0.3	106	0.00
91	Dibenzo(a,h)anthracene	1.001	1.011	-1.0	101	-0.01
92	Benzo(g,h,i)perylene	1.048	1.028	1.9	99	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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	39.852	0.4	102	0.00
3	Pyridine	40.000	41.842	-4.6	104	-0.02
4	n-Nitrosodimethylamine	40.000	39.505	1.2	101	-0.03
5 S	2-Fluorophenol	80.000	81.160	-1.4	104	0.00
6	Aniline	40.000	39.807	0.5	101	-0.01
7 S	Phenol-d6	80.000	79.333	0.8	102	-0.01
8	2-Chlorophenol	40.000	40.121	-0.3	103	-0.01
9	Benzaldehyde	40.000	39.396	1.5	106	0.00
10 C	Phenol	40.000	39.942	0.1	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.239	1.9	101	0.00
12	1,3-Dichlorobenzene	40.000	39.713	0.7	103	0.00
13 C	1,4-Dichlorobenzene	40.000	38.847	2.9	101	0.00
14	1,2-Dichlorobenzene	40.000	39.770	0.6	103	0.00
15	Benzyl Alcohol	40.000	39.069	2.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.320	1.7	101	0.00
17	2-Methylphenol	40.000	39.445	1.4	102	0.00
18	Hexachloroethane	40.000	39.613	1.0	102	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.556	-1.4	104	-0.01
20	3+4-Methylphenols	40.000	38.777	3.1	100	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22	Acetophenone	40.000	39.294	1.8	102	-0.01
23 S	Nitrobenzene-d5	80.000	80.140	-0.2	102	0.00
24	Nitrobenzene	40.000	39.825	0.4	102	0.00
25	Isophorone	40.000	39.733	0.7	102	-0.01
26 C	2-Nitrophenol	40.000	41.014	-2.5	102	0.00
27	2,4-Dimethylphenol	40.000	40.362	-0.9	101	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.398	-1.0	103	0.00
29 C	2,4-Dichlorophenol	40.000	40.337	-0.8	102	0.00
30	1,2,4-Trichlorobenzene	40.000	39.869	0.3	103	0.00
31	Naphthalene	40.000	39.968	0.1	103	0.00
32	Benzoic acid	40.000	40.092	-0.2	101	-0.04
33	4-Chloroaniline	40.000	35.960	10.1	92	-0.01
34 C	Hexachlorobutadiene	40.000	39.845	0.4	102	0.00
35	Caprolactam	40.000	41.746	-4.4	103	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.105	-0.3	102	0.00
37	2-Methylnaphthalene	40.000	39.430	1.4	102	0.00
38	1-Methylnaphthalene	40.000	39.416	1.5	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.480	1.3	100	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.055	-0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	79.512	0.6	102	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.310	1.7	100	0.00
44	2,4,5-Trichlorophenol	40.000	39.352	1.6	100	0.00
45 S	2-Fluorobiphenyl	80.000	78.150	2.3	103	0.00
46	1,1'-Biphenyl	40.000	39.417	1.5	101	0.00
47	2-Chloronaphthalene	40.000	39.485	1.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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	40.054	-0.1	101	0.00
49	Acenaphthylene	40.000	39.800	0.5	103	0.00
50	Dimethylphthalate	40.000	39.426	1.4	102	-0.01
51	2,6-Dinitrotoluene	40.000	39.701	0.7	100	0.00
52 C	Acenaphthene	40.000	38.936	2.7	99	0.00
53	3-Nitroaniline	40.000	39.406	1.5	101	0.00
54 P	2,4-Dinitrophenol	40.000	38.328	4.2	98	-0.01
55	Dibenzofuran	40.000	39.347	1.6	101	0.00
56 P	4-Nitrophenol	40.000	40.524	-1.3	99	-0.01
57	2,4-Dinitrotoluene	40.000	40.483	-1.2	103	-0.01
58	Fluorene	40.000	39.298	1.8	102	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.668	0.8	102	-0.01
60	Diethylphthalate	40.000	39.320	1.7	101	0.00
61	4-Chlorophenyl-phenylether	40.000	39.371	1.6	102	0.00
62	4-Nitroaniline	40.000	40.203	-0.5	100	-0.02
63	Azobenzene	40.000	39.181	2.0	101	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.992	0.0	99	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.446	1.4	102	-0.01
67	4-Bromophenyl-phenylether	40.000	38.862	2.8	100	0.00
68	Hexachlorobenzene	40.000	39.865	0.3	102	0.00
69	Atrazine	40.000	37.952	5.1	100	0.00
70 C	Pentachlorophenol	40.000	39.932	0.2	97	0.00
71	Phenanthrene	40.000	39.319	1.7	101	0.00
72	Anthracene	40.000	39.564	1.1	102	0.00
73	Carbazole	40.000	40.316	-0.8	103	0.00
74	Di-n-butylphthalate	40.000	40.060	-0.2	102	0.00
75 C	Fluoranthene	40.000	40.018	-0.0	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	106	0.00
77	Benzydine	40.000	44.226	-10.6	98	0.00
78	Pyrene	40.000	39.977	0.1	103	0.00
79 S	Terphenyl-d14	80.000	79.087	1.1	103	0.00
80	Butylbenzylphthalate	40.000	43.443	-8.6	111	0.00
81	Benzo(a)anthracene	40.000	39.598	1.0	103	0.00
82	3,3'-Dichlorobenzidine	40.000	40.414	-1.0	108	0.00
83	Chrysene	40.000	38.041	4.9	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.626	-14.1	116	0.00
85 c	Di-n-octyl phthalate	40.000	42.871	-7.2	111	0.00
86 I	Perylene-d12	20.000	20.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.313	-0.8	102	-0.01
88	Benzo(b)fluoranthene	40.000	42.468	-6.2	113	0.00
89	Benzo(k)fluoranthene	40.000	37.333	6.7	99	0.00
90 C	Benzo(a)pyrene	40.000	40.121	-0.3	106	0.00
91	Dibenzo(a,h)anthracene	40.000	40.397	-1.0	101	-0.01
92	Benzo(g,h,i)perylene	40.000	39.245	1.9	99	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.279		0.2	
Benzaldehyde	0.857	0.700		-18.3	
Phenol-d6	1.612	1.566		-2.9	
Phenol	1.678	1.634		-2.6	20.0
bis(2-Chloroethyl)ether	1.261	1.230		-2.5	
2-Chlorophenol	1.378	1.349		-2.1	
2-Methylphenol	1.079	1.053		-2.4	
2,2-oxybis(1-Chloropropane)	2.158	2.142		-0.7	
Acetophenone	0.498	0.483		-3.0	
3+4-Methylphenols	1.371	1.322		-3.6	
n-Nitroso-di-n-propylamine	0.964	0.933	0.050	-3.2	
Nitrobenzene-d5	0.383	0.378		-1.3	
Hexachloroethane	0.550	0.559		1.6	
Nitrobenzene	0.374	0.366		-2.1	
Isophorone	0.611	0.596		-2.5	
2-Nitrophenol	0.186	0.187		0.5	20.0
2,4-Dimethylphenol	0.217	0.215		-0.9	
bis(2-Chloroethoxy)methane	0.392	0.387		-1.3	
2,4-Dichlorophenol	0.294	0.288		-2.0	20.0
Naphthalene	1.041	1.032		-0.9	
4-Chloroaniline	0.363	0.347		-4.4	
Hexachlorobutadiene	0.192	0.197		2.6	20.0
Caprolactam	0.089	0.087		-2.2	
4-Chloro-3-methylphenol	0.325	0.317		-2.5	20.0
2-Methylnaphthalene	0.677	0.665		-1.8	
Hexachlorocyclopentadiene	0.192	0.179	0.050	-6.8	
2,4,6-Trichlorophenol	0.374	0.374		0.0	20.0
2-Fluorobiphenyl	1.298	1.277		-1.6	
2,4,5-Trichlorophenol	0.405	0.398		-1.7	
1,1-Biphenyl	1.551	1.532		-1.2	
2-Chloronaphthalene	1.147	1.143		-0.3	
2-Nitroaniline	0.385	0.373		-3.1	
Dimethylphthalate	1.358	1.328		-2.2	
Acenaphthylene	1.705	1.674		-1.8	
2,6-Dinitrotoluene	0.297	0.284		-4.4	
3-Nitroaniline	0.319	0.306		-4.1	
Acenaphthene	1.147	1.121		-2.3	20.0
2,4-Dinitrophenol	0.176	0.162	0.050	-8.0	
4-Nitrophenol	0.237	0.223	0.050	-5.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.647		-2.1	
2,4-Dinitrotoluene	0.395	0.379		-4.1	
Diethylphthalate	1.336	1.307		-2.2	
4-Chlorophenyl-phenylether	0.626	0.625		-0.2	
Fluorene	1.301	1.275		-2.0	
4-Nitroaniline	0.324	0.303		-6.5	
4,6-Dinitro-2-methylphenol	0.139	0.133		-4.3	
n-Nitrosodiphenylamine	0.640	0.652		1.9	20.0
2,4,6-Tribromophenol	0.201	0.194		-3.5	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.230	0.235		2.2	
Atrazine	0.192	0.182		-5.2	
Pentachlorophenol	0.147	0.138		-6.1	20.0
Phenanthrene	1.101	1.104		0.3	
Anthracene	1.107	1.109		0.2	
Carbazole	0.996	0.971		-2.5	
Di-n-butylphthalate	1.150	1.153		0.3	
Fluoranthene	1.167	1.119		-4.1	20.0
Pyrene	1.703	1.809		6.2	
Terphenyl-d14	1.185	1.253		5.7	
Butylbenzylphthalate	0.590	0.627		6.3	
3,3-Dichlorobenzidine	0.381	0.373		-2.1	
Benzo (a) anthracene	1.329	1.304		-1.9	
Chrysene	1.228	1.236		0.7	
Bis (2-ethylhexyl) phthalate	0.665	0.755		13.5	
Di-n-octyl phthalate	0.949	1.170		23.3	20.0
Benzo (b) fluoranthene	1.343	1.384		3.1	
Benzo (k) fluoranthene	1.147	1.012		-11.8	
Benzo (a) pyrene	1.087	1.083		-0.4	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.422		15.0	
Dibenzo (a,h) anthracene	1.001	1.172		17.1	
Benzo (g,h,i) perylene	1.048	1.227		17.1	
1,2,4,5-Tetrachlorobenzene	0.579	0.580		0.2	
1,4-Dioxane	0.513	0.497		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.335		-4.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141531.D
 Acq On : 10 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 10 12:30:28 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	6.792	152	91504	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	356056	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	192109	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	313129	20.000	ng	0.00
76) Chrysene-d12	13.963	240	193608	20.000	ng	0.00
86) Perylene-d12	15.439	264	177316	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	467960	80.176	ng	0.00
7) Phenol-d6	6.434	99	573104	77.687	ng	0.00
23) Nitrobenzene-d5	7.357	82	538199	78.840	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	148831	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981012	78.674	ng	0.00
79) Terphenyl-d14	12.898	244	970304	84.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.469	88	90976	38.728	ng	98
3) Pyridine	3.210	79	221401	39.606	ng	99
4) n-Nitrosodimethylamine	3.157	42	146628	39.614	ng	98
6) Aniline	6.451	93	272486	39.376	ng	90
8) 2-Chlorophenol	6.581	128	246962	39.158	ng	98
9) Benzaldehyde	6.339	77	128088	32.674	ng	100
10) Phenol	6.445	94	298987	38.940	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225126	39.036	ng	98
12) 1,3-Dichlorobenzene	6.734	146	264114	39.668	ng	99
13) 1,4-Dichlorobenzene	6.810	146	265465	39.023	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252344	39.967	ng	98
15) Benzyl Alcohol	6.934	79	223304	39.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	392078	39.715	ng	99
17) 2-Methylphenol	7.051	107	192649	39.034	ng	99
18) Hexachloroethane	7.298	117	102320	40.642	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	170797	38.706	ng	100
20) 3+4-Methylphenols	7.204	107	241913	38.569	ng	96
22) Acetophenone	7.204	105	343898	38.827	ng	98
24) Nitrobenzene	7.375	77	260329	39.108	ng	98
25) Isophorone	7.616	82	424424	38.993	ng	99
26) 2-Nitrophenol	7.692	139	132810	40.102	ng	96
27) 2,4-Dimethylphenol	7.734	122	152895	39.519	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	275268	39.467	ng	99
29) 2,4-Dichlorophenol	7.939	162	205336	39.280	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	226022	39.705	ng	98
31) Naphthalene	8.098	128	734667	39.639	ng	100
32) Benzoic acid	7.857	122	139602	34.738	ng	99
33) 4-Chloroaniline	8.145	127	247243	38.208	ng	99
34) Hexachlorobutadiene	8.210	225	140298	41.054	ng	99
35) Caprolactam	8.516	113	61657	38.739	ng	98
36) 4-Chloro-3-methylphenol	8.633	107	225523	38.947	ng	100
37) 2-Methylnaphthalene	8.786	142	473288	39.242	ng	100
38) 1-Methylnaphthalene	8.886	142	454754	38.931	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	222962	40.116	ng	98
41) Hexachlorocyclopentadiene	8.933	237	68717	37.172	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	143507	39.950	ng	98

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 Data File : BF141531.D
 Acq On : 10 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 10 12:30:28 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

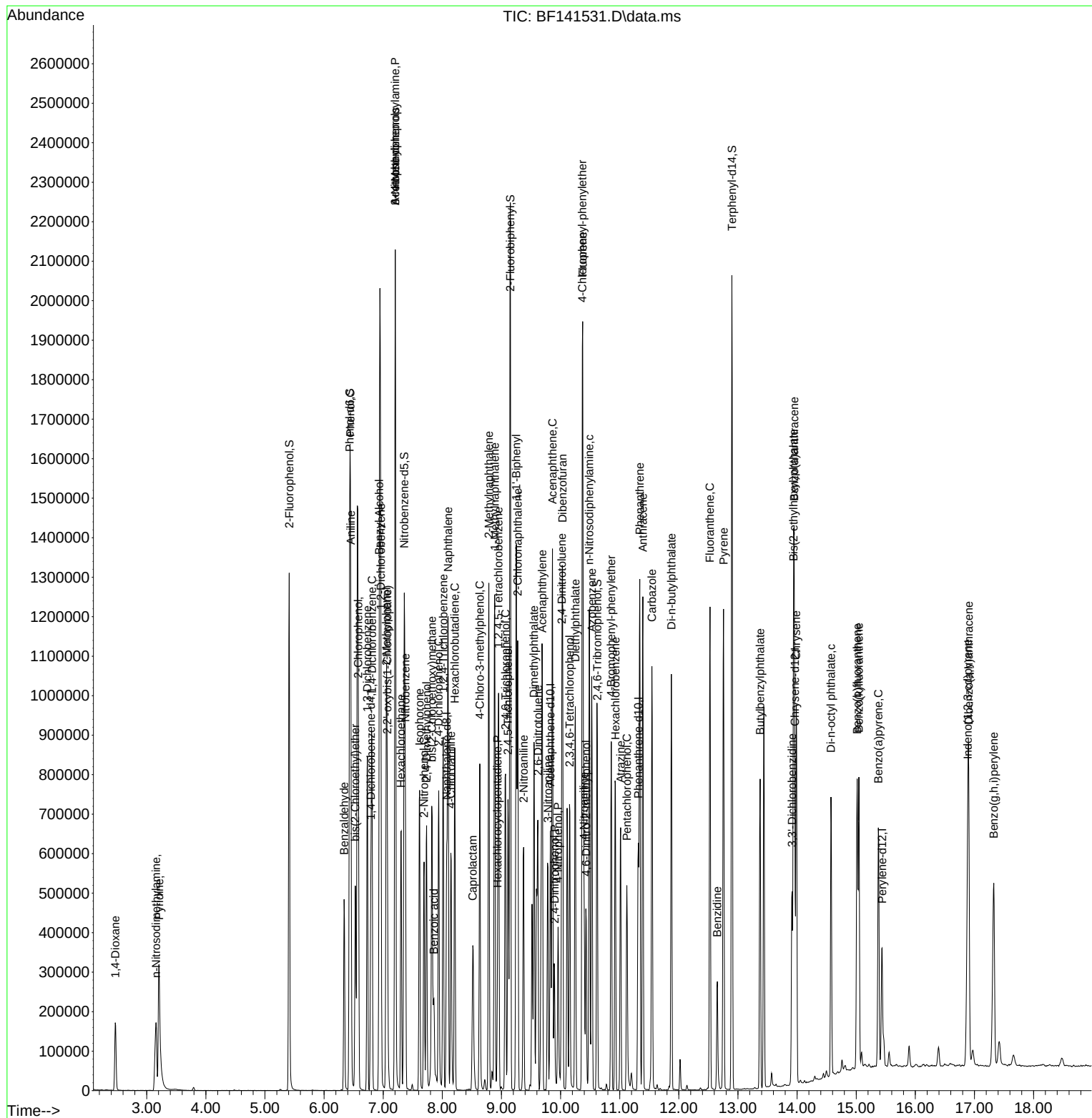
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	152923	39.281	ng	98
46) 1,1'-Biphenyl	9.251	154	588561	39.517	ng	99
47) 2-Chloronaphthalene	9.275	162	439299	39.887	ng	99
48) 2-Nitroaniline	9.375	65	143494	38.822	ng	96
49) Acenaphthylene	9.692	152	643014	39.253	ng	100
50) Dimethylphthalate	9.551	163	510097	39.112	ng	99
51) 2,6-Dinitrotoluene	9.616	165	109011	38.236	ng	98
52) Acenaphthene	9.863	154	430608	39.100	ng	99
53) 3-Nitroaniline	9.786	138	117555	38.310	ng	97
54) 2,4-Dinitrophenol	9.898	184	62096	36.647	ng	95
55) Dibenzofuran	10.033	168	632974	39.157	ng	99
56) 4-Nitrophenol	9.957	139	85776	37.656	ng	98
57) 2,4-Dinitrotoluene	10.022	165	145558	38.351	ng	99
58) Fluorene	10.375	166	489982	39.202	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128800	38.428	ng	97
60) Diethylphthalate	10.251	149	502338	39.149	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	240325	39.967	ng	98
62) 4-Nitroaniline	10.398	138	116557	37.408	ng	100
63) Azobenzene	10.527	77	501802	39.338	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	83522	38.398	ng	95
66) n-Nitrosodiphenylamine	10.486	169	408555	40.759	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	144175	41.197	ng	97
68) Hexachlorobenzene	10.927	284	147297	40.874	ng	99
69) Atrazine	11.016	200	114088	37.940	ng	98
70) Pentachlorophenol	11.122	266	86291	37.449	ng	98
71) Phenanthrene	11.339	178	691100	40.095	ng	100
72) Anthracene	11.392	178	694305	40.071	ng	100
73) Carbazole	11.545	167	608137	39.007	ng	100
74) Di-n-butylphthalate	11.874	149	722112	40.113	ng	100
75) Fluoranthene	12.527	202	700802	38.350	ng	99
77) Benzidine	12.651	184	158992	37.236	ng	100
78) Pyrene	12.757	202	700603	42.509	ng	99
80) Butylbenzylphthalate	13.374	149	242906	42.551	ng	100
81) Benzo(a)anthracene	13.951	228	505085	39.246	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	144386	39.165	ng	97
83) Chrysene	13.986	228	478477	40.265	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	292322	45.402	ng	99
85) Di-n-octyl phthalate	14.574	149	453134	49.334	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	504388	46.037	ng	100
88) Benzo(b)fluoranthene	15.015	252	490636	41.209	ng	99
89) Benzo(k)fluoranthene	15.045	252	359014	35.313	ng	98
90) Benzo(a)pyrene	15.374	252	383923	39.851	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	415551	46.809	ng	98
92) Benzo(g,h,i)perylene	17.327	276	435173	46.843	ng	99

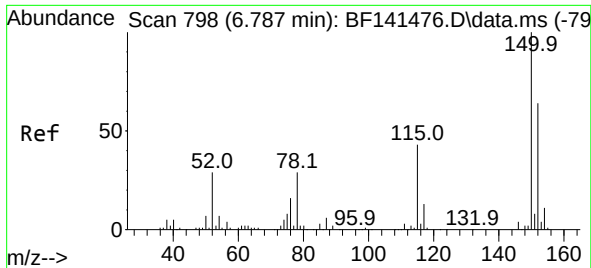
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On    : 10 Feb 2025  11:34  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

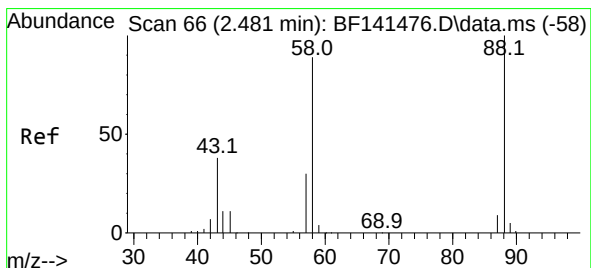
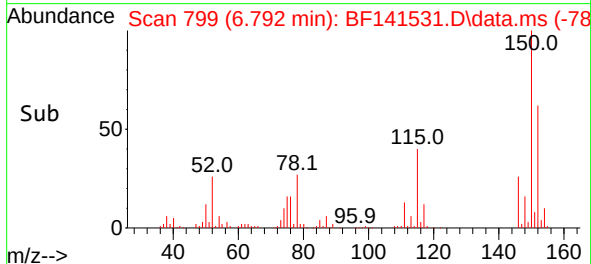
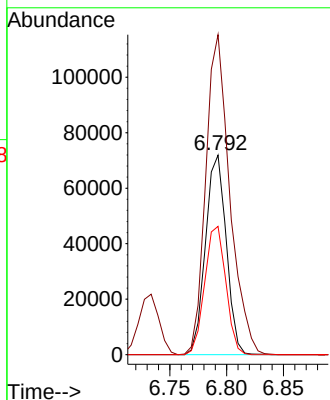
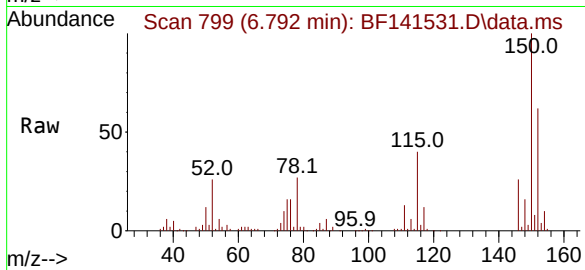




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

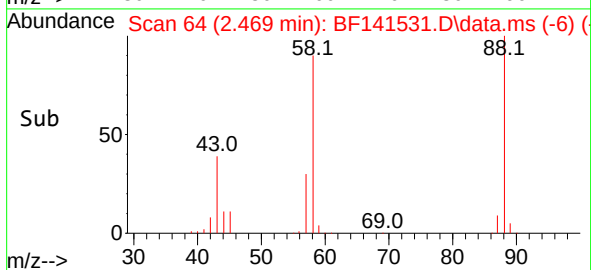
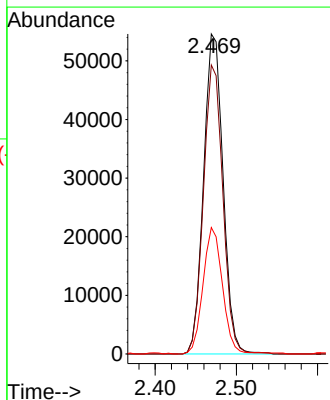
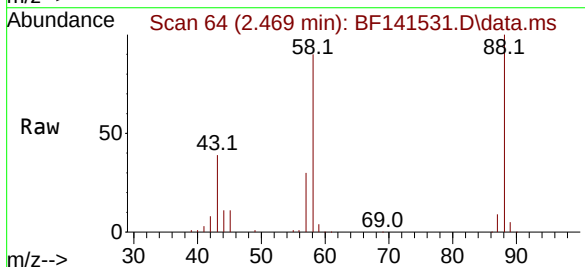
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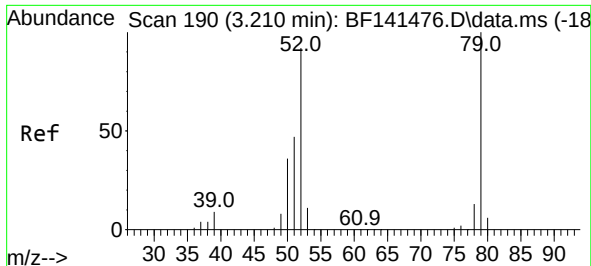
Tgt Ion:152 Resp: 91504
 Ion Ratio Lower Upper
 152 100
 150 160.4 125.0 187.4
 115 64.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 38.728 ng
 RT: 2.469 min Scan# 64
 Delta R.T. -0.012 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 88 Resp: 90976
 Ion Ratio Lower Upper
 88 100
 58 90.2 71.1 106.7
 43 39.7 30.6 46.0

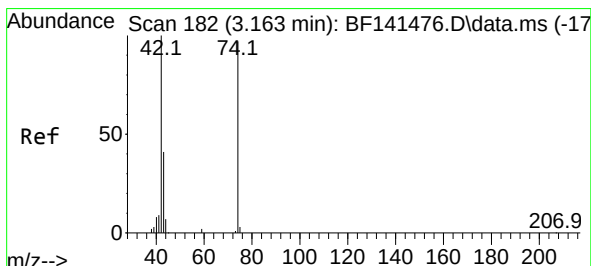
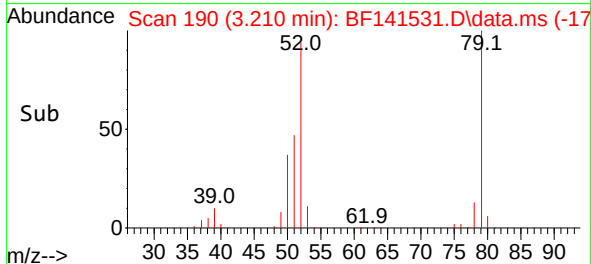
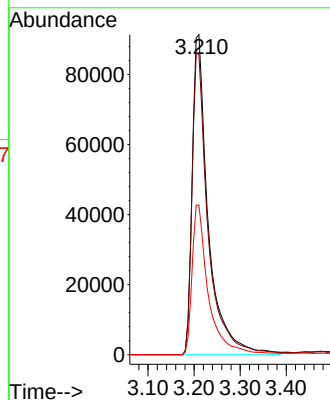
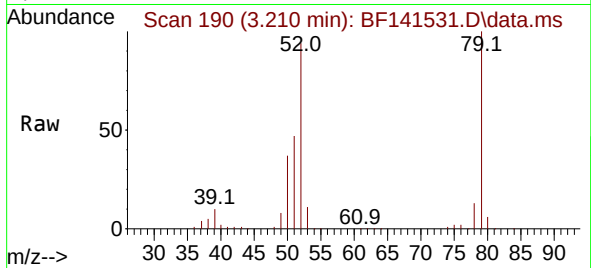




#3
Pyridine
Concen: 39.606 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

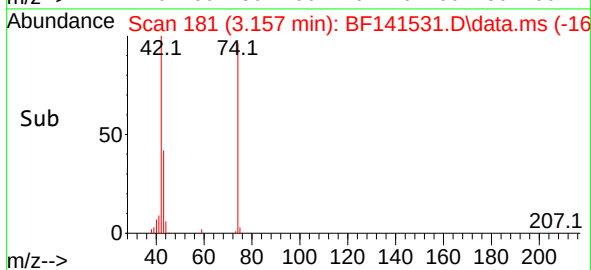
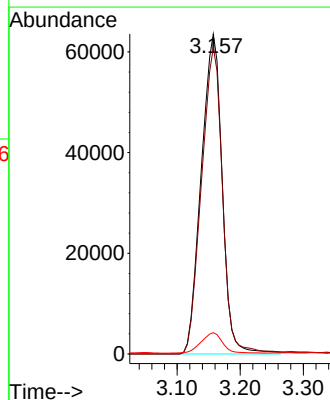
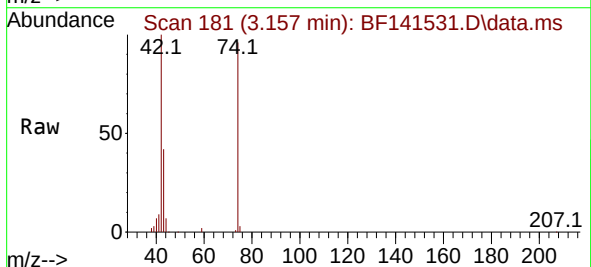
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ClientSampleId :
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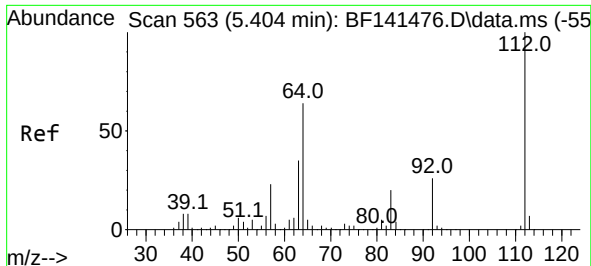
Tgt Ion: 79 Resp: 221401
Ion Ratio Lower Upper
79 100
52 93.9 73.7 110.5
51 46.8 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 39.614 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 42 Resp: 146628
Ion Ratio Lower Upper
42 100
74 95.8 78.0 117.0
44 6.7 5.4 8.2

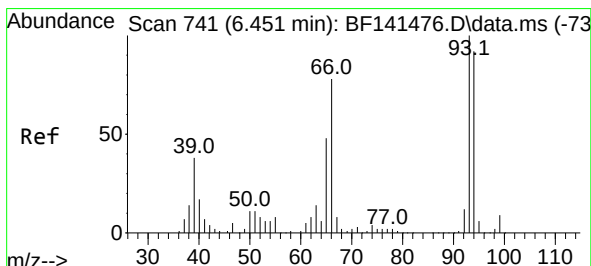
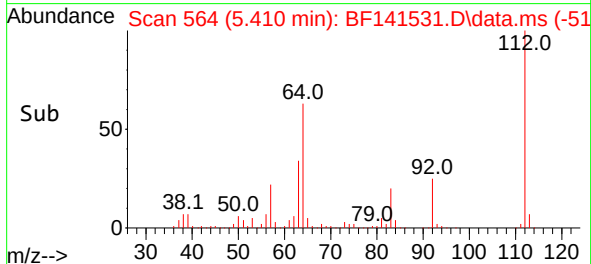
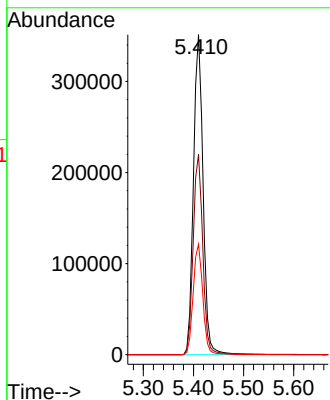
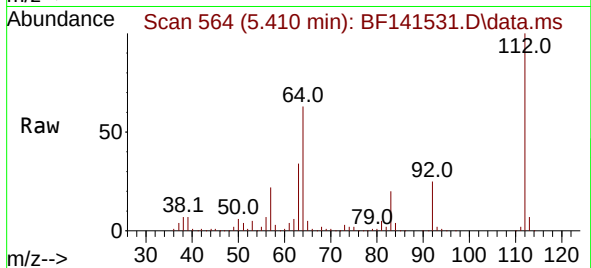




#5
2-Fluorophenol
Concen: 80.176 ng
RT: 5.410 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

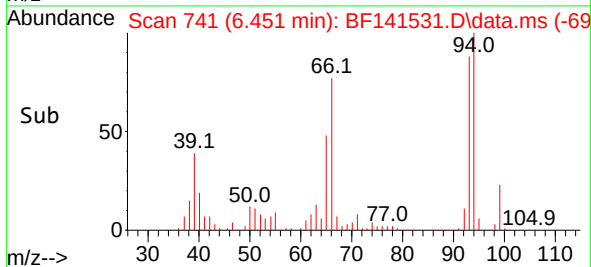
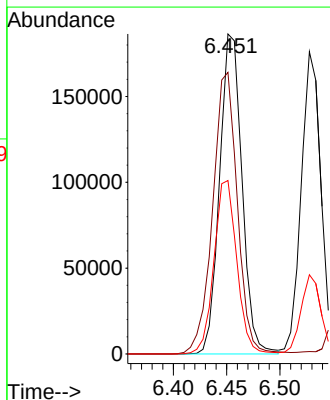
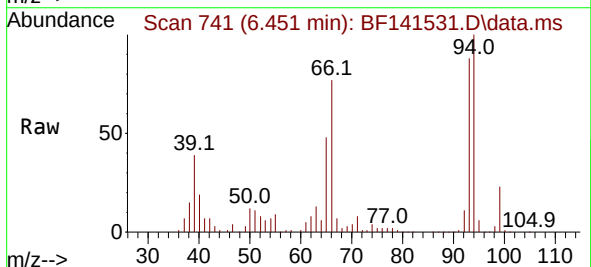
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ClientSampleId :
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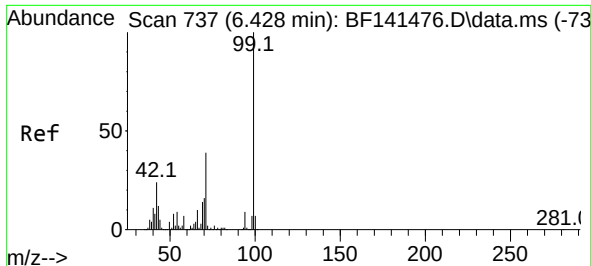
Tgt Ion:112 Resp: 467960
Ion Ratio Lower Upper
112 100
64 62.6 51.1 76.7
63 34.5 28.4 42.6



#6
Aniline
Concen: 39.376 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 272486
Ion Ratio Lower Upper
93 100
66 88.0 62.6 94.0
65 54.2 38.3 57.5

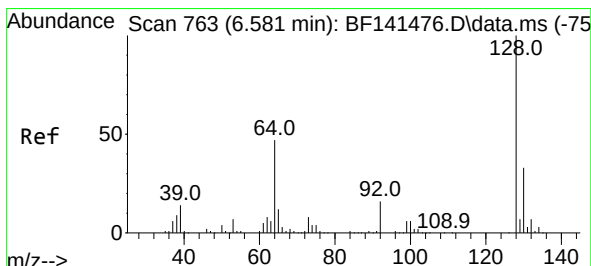
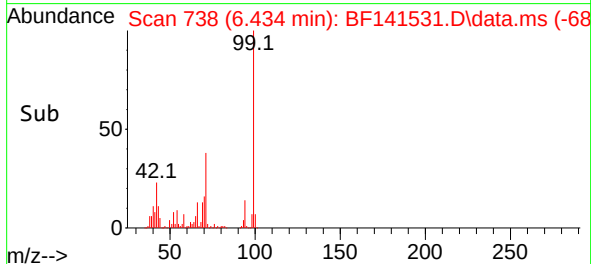
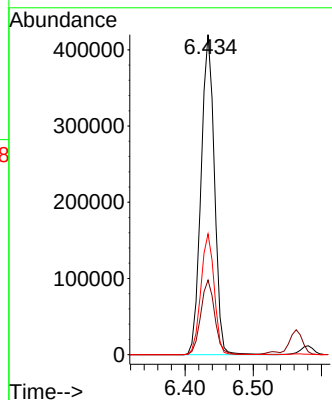
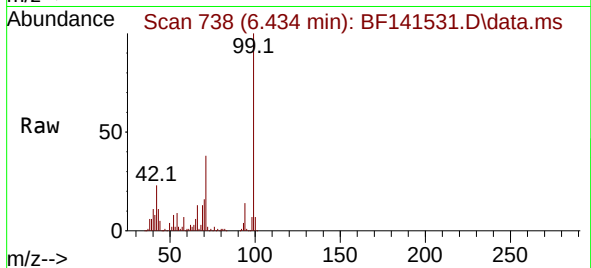




#7
Phenol-d6
Concen: 77.687 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

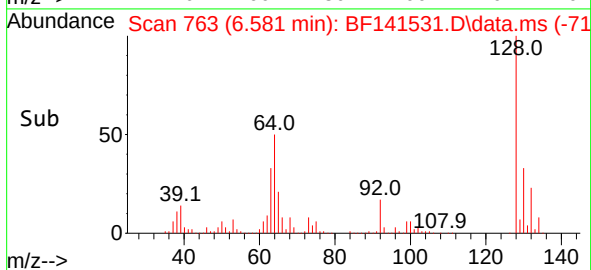
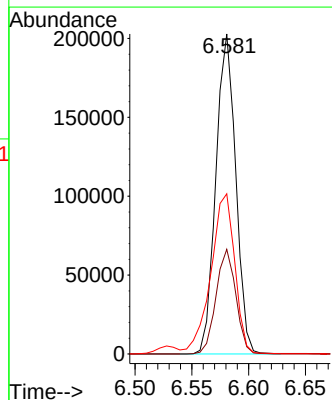
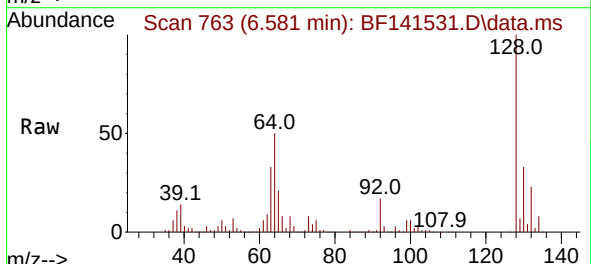
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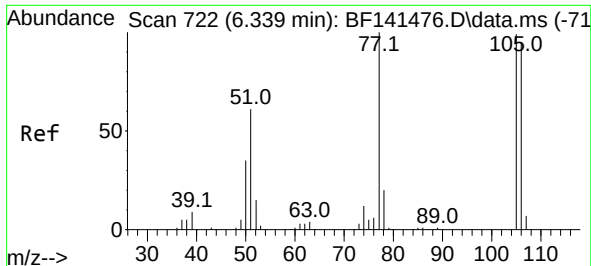
Tgt Ion: 99 Resp: 573104
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 37.8 31.1 46.7



#8
2-Chlorophenol
Concen: 39.158 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 128 Resp: 246962
Ion Ratio Lower Upper
128 100
130 32.7 12.7 52.7
64 50.1 28.3 68.3

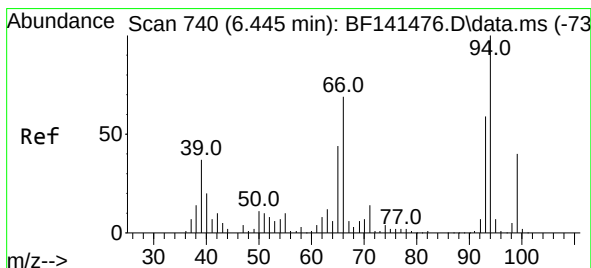
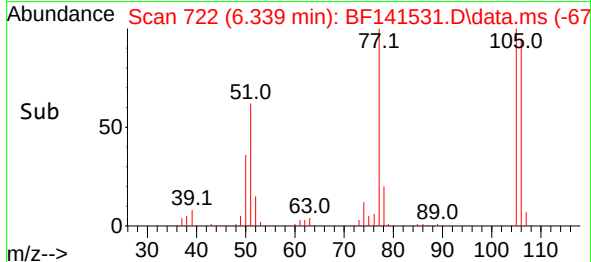
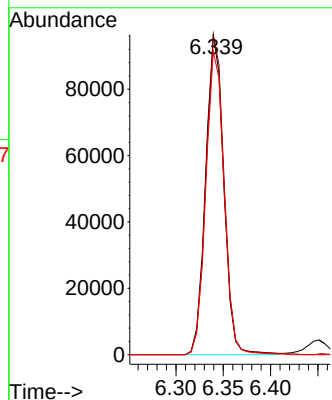
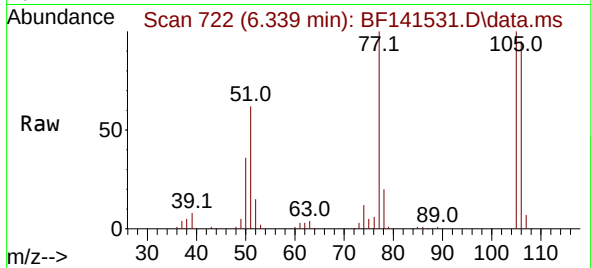




#9
Benzaldehyde
Concen: 32.674 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

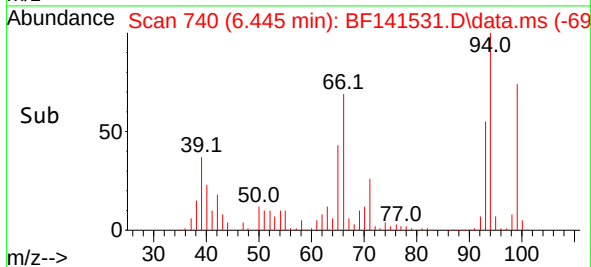
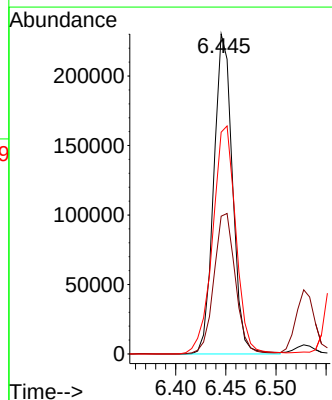
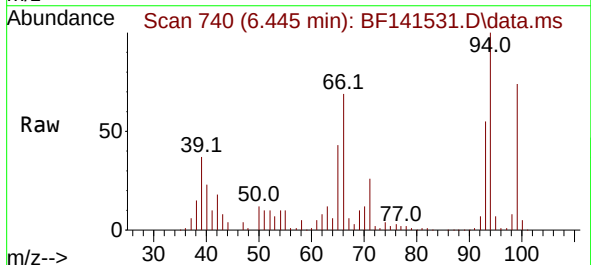
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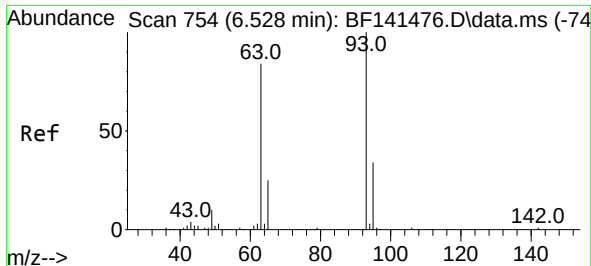
Tgt Ion: 77 Resp: 128088
Ion Ratio Lower Upper
77 100
105 99.6 79.4 119.4
106 94.8 75.1 115.1



#10
Phenol
Concen: 38.940 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 94 Resp: 298987
Ion Ratio Lower Upper
94 100
65 43.1 23.7 63.7
66 69.3 49.3 89.3

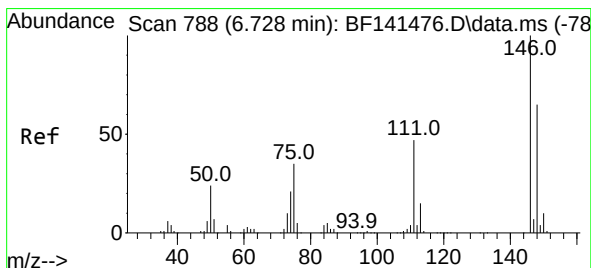
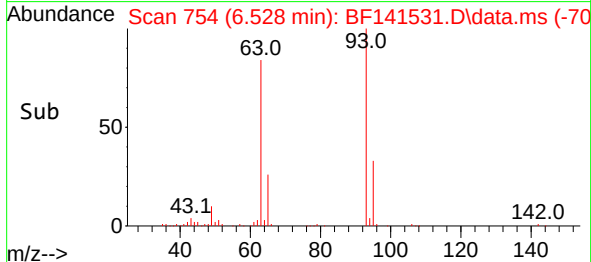
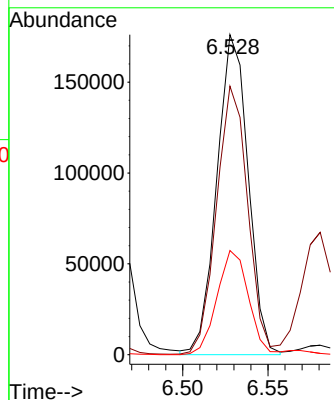
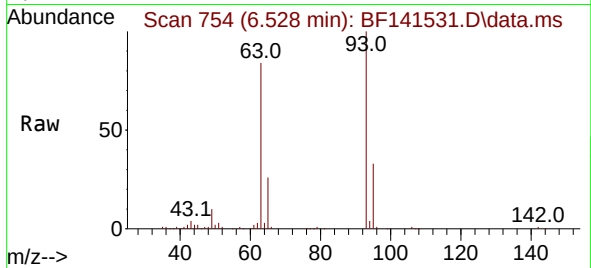




#11
bis(2-Chloroethyl)ether
Concen: 39.036 ng
RT: 6.528 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

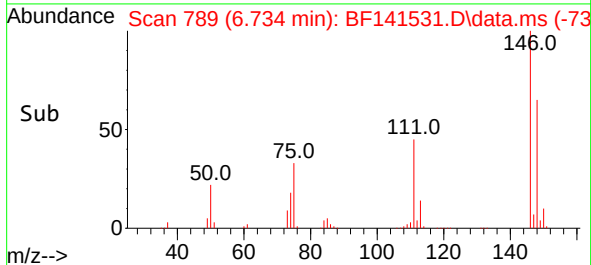
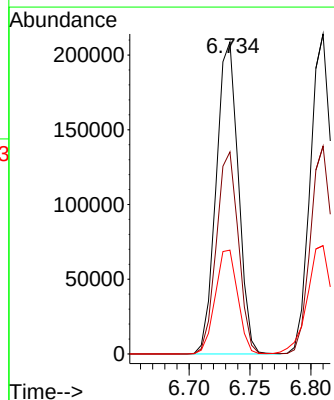
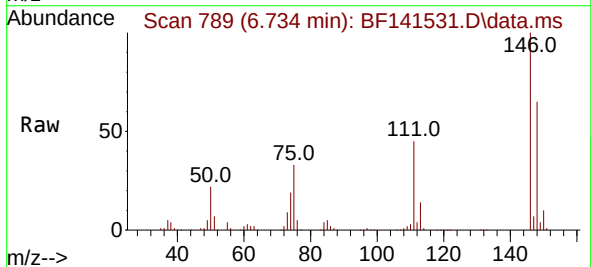
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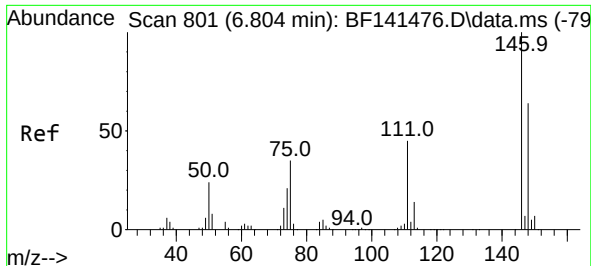
Tgt Ion: 93 Resp: 225126
Ion Ratio Lower Upper
93 100
63 83.9 62.0 102.0
95 32.5 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 39.668 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 264114
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 33.3 28.2 42.2

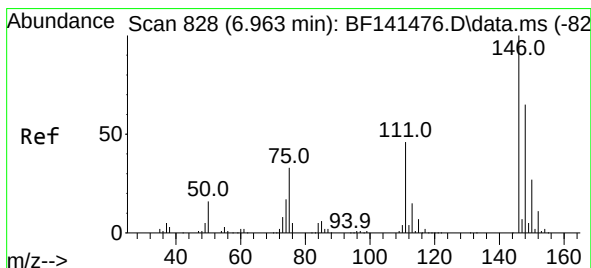
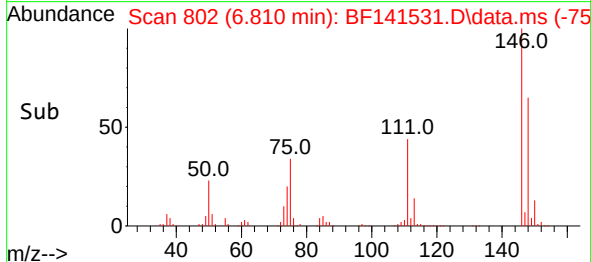
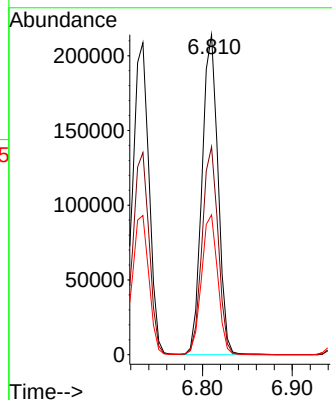
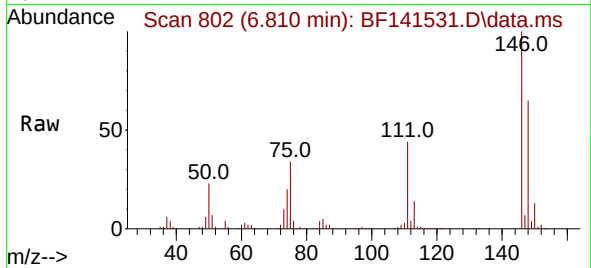




#13
1,4-Dichlorobenzene
Concen: 39.023 ng
RT: 6.810 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

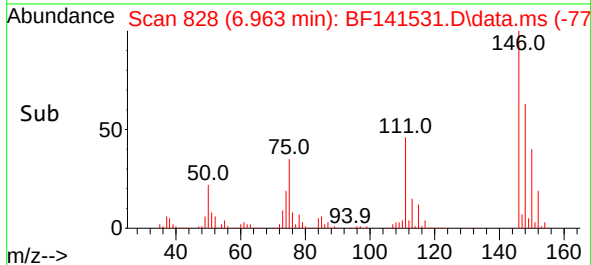
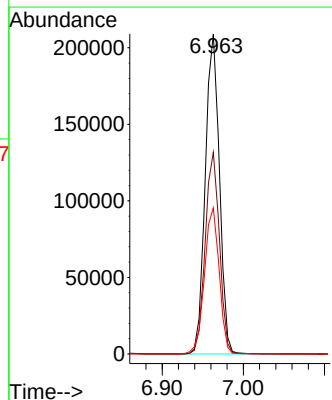
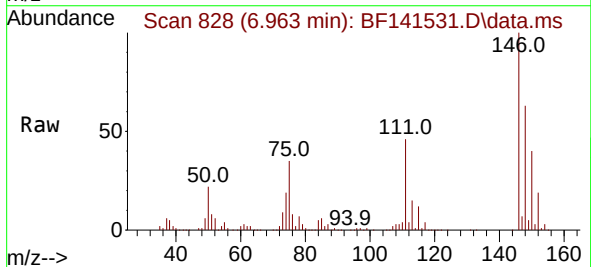
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

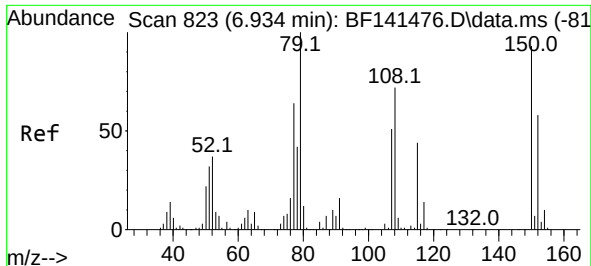
Tgt Ion:146 Resp: 265465
Ion Ratio Lower Upper
146 100
148 65.0 50.9 76.3
111 43.7 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 39.967 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 252344
Ion Ratio Lower Upper
146 100
148 63.0 51.8 77.6
111 45.6 37.0 55.4

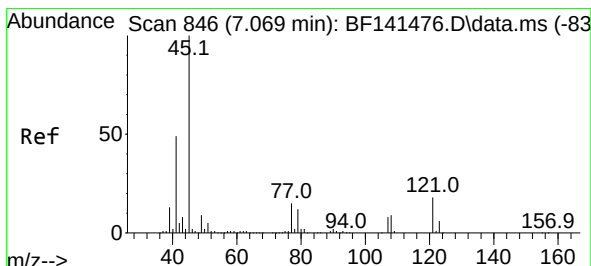
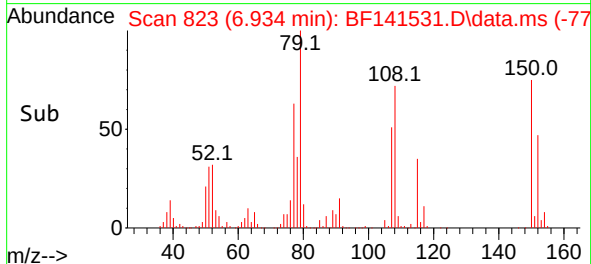
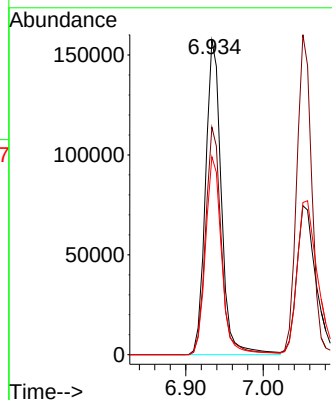
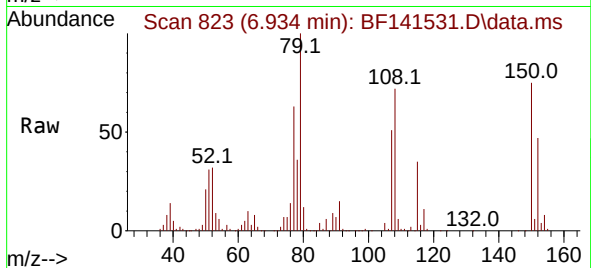




#15
Benzyl Alcohol
Concen: 39.473 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

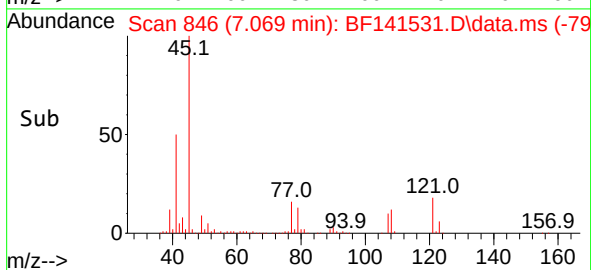
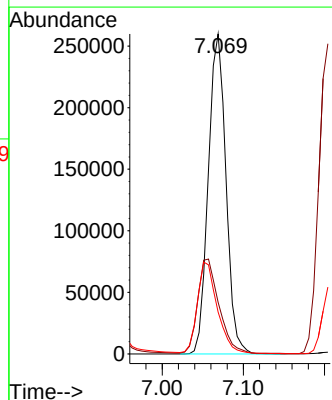
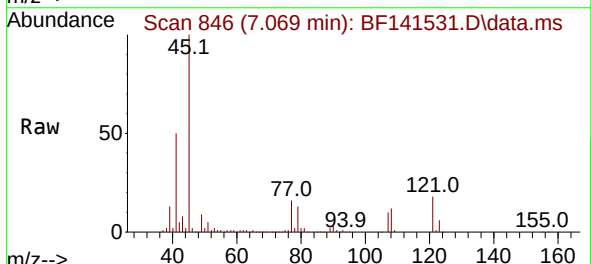
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

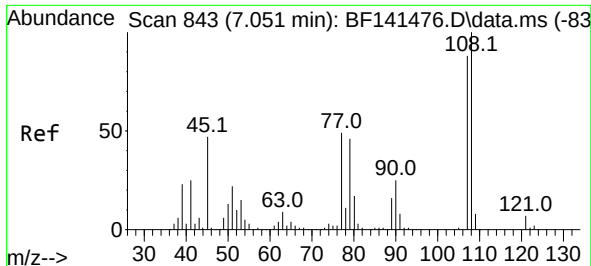
Tgt Ion: 79 Resp: 223304
Ion Ratio Lower Upper
79 100
108 72.4 57.4 86.2
77 63.0 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.715 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 392078
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.8
79 13.1 0.0 32.7

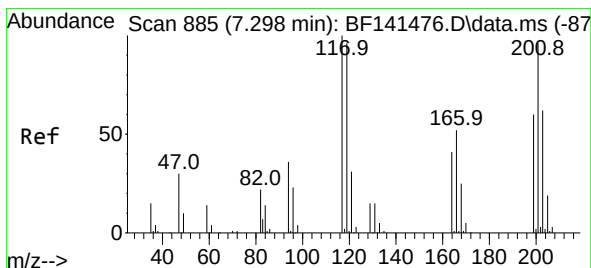
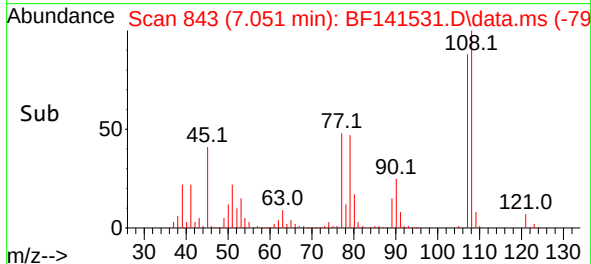
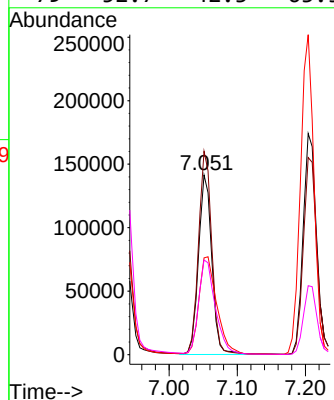
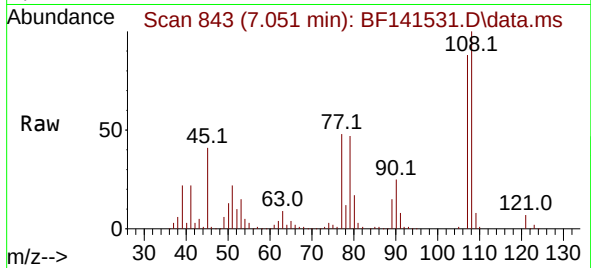




#17
2-Methylphenol
Concen: 39.034 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

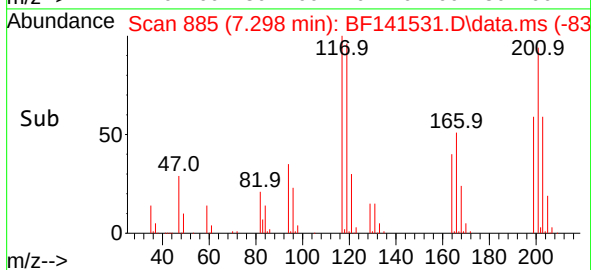
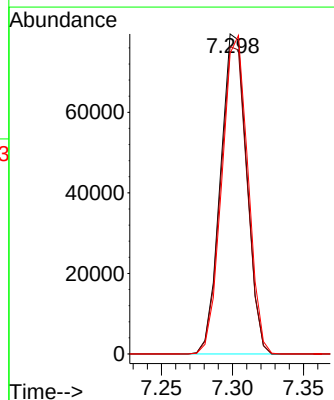
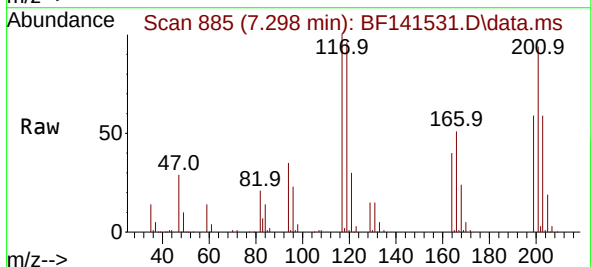
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

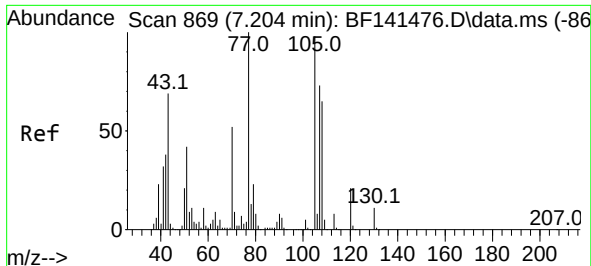
Tgt Ion:	107	Resp:	192649
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	53.8	44.4	66.6
79	52.7	42.3	63.5



#18
Hexachloroethane
Concen: 40.642 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	117	Resp:	102320
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
201	93.9	76.7	115.1



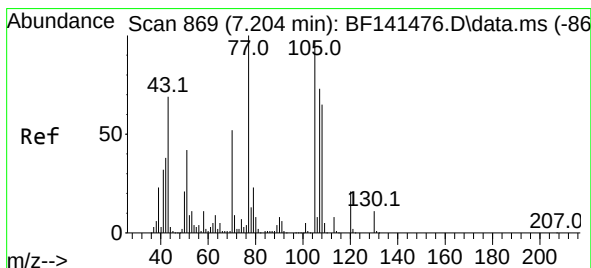
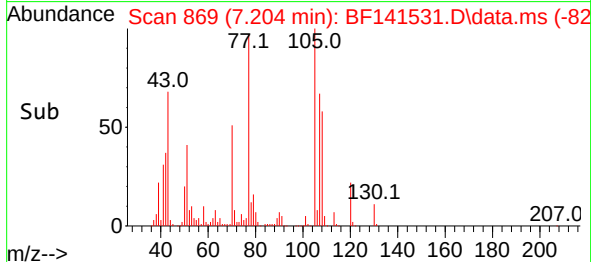
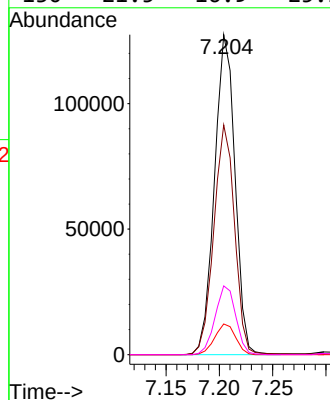
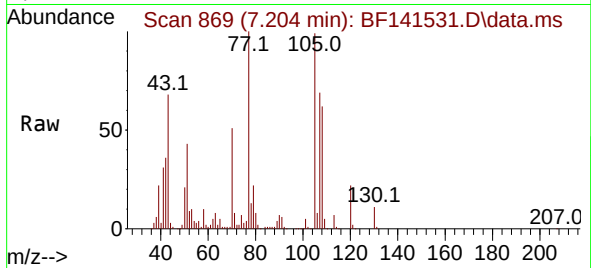


#19
n-Nitroso-di-n-propylamine
Concen: 38.706 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 170797

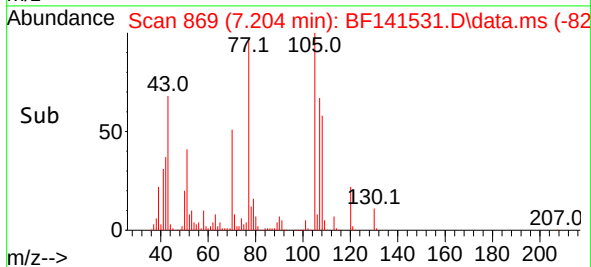
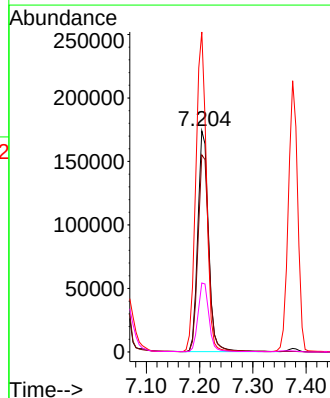
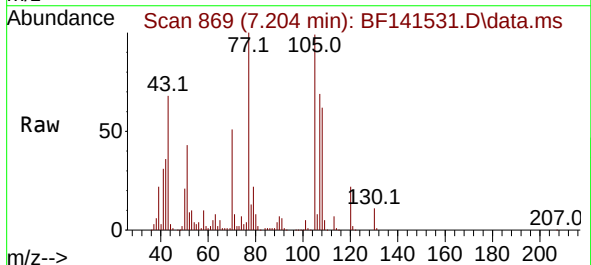
Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	9.6	8.0	12.0
130	21.5	16.9	25.3

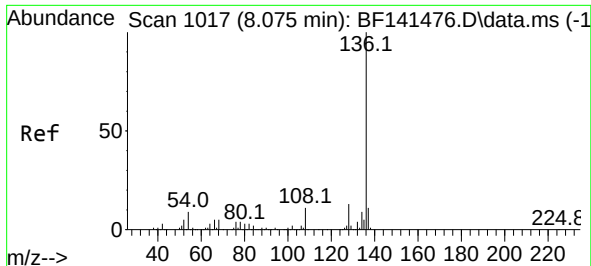


#20
3+4-Methylphenols
Concen: 38.569 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 107 Resp: 241913

Ion	Ratio	Lower	Upper
107	100		
108	89.2	68.5	108.5
77	144.7	116.5	156.5
79	31.2	12.0	52.0

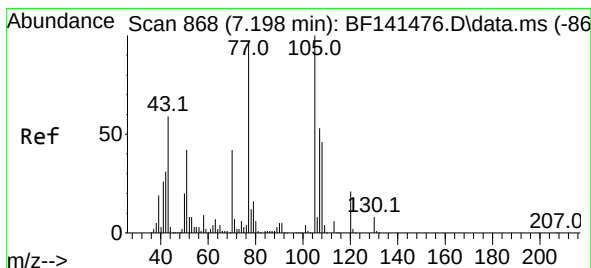
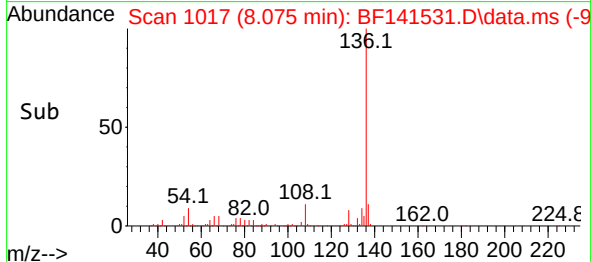
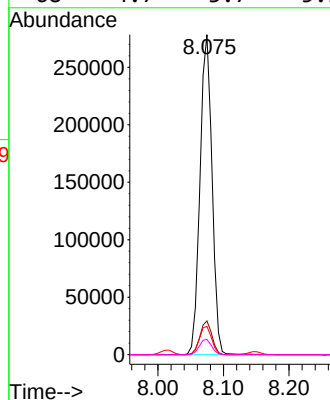
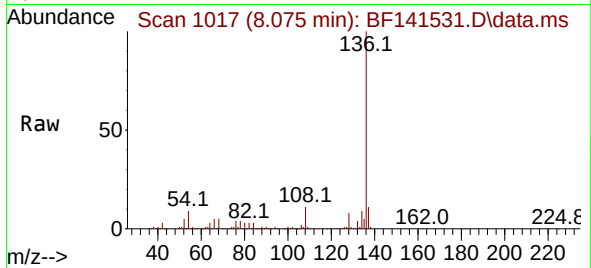




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

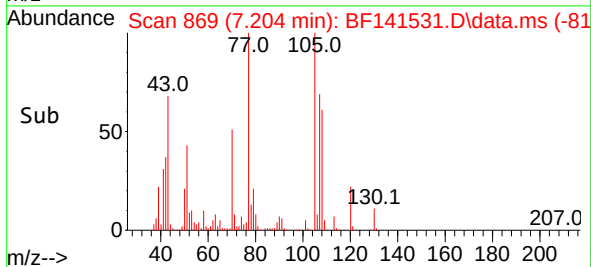
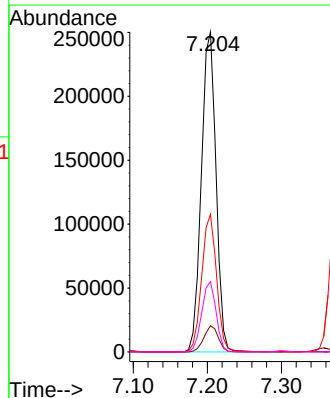
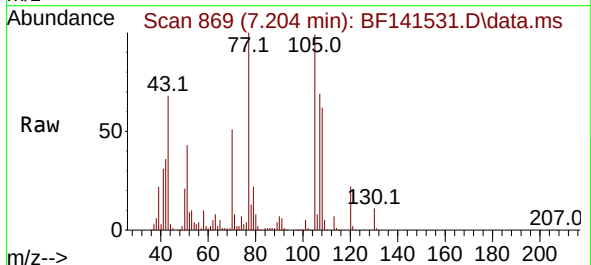
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

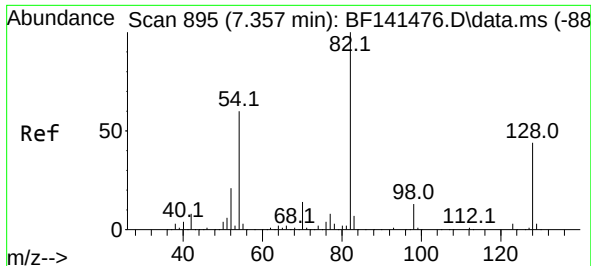
Tgt Ion:	136	Resp:	356056
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5



#22
Acetophenone
Concen: 38.827 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	105	Resp:	343898
Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.7	8.5
51	43.0	33.7	50.5
120	22.0	17.0	25.6

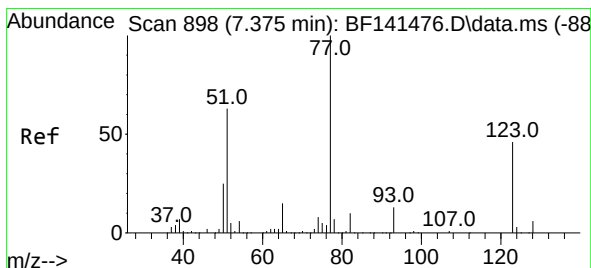
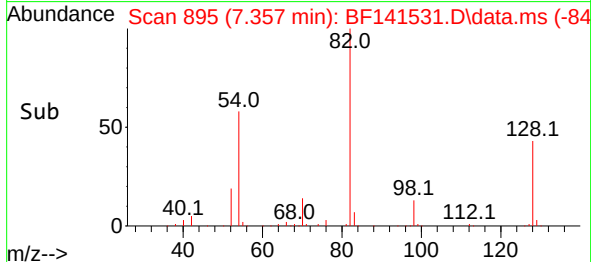
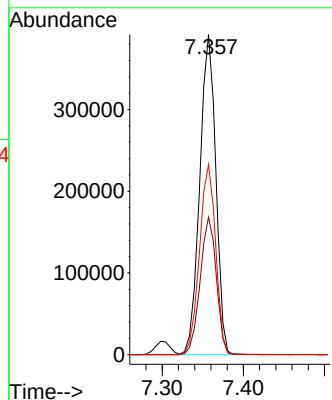
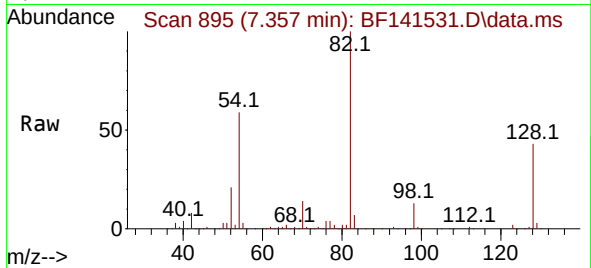




#23
 Nitrobenzene-d5
 Concen: 78.840 ng
 RT: 7.357 min Scan# 895
 Delta R.T. -0.006 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

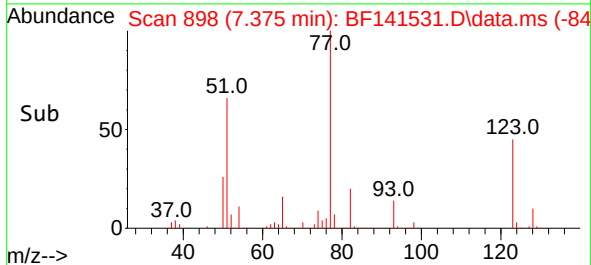
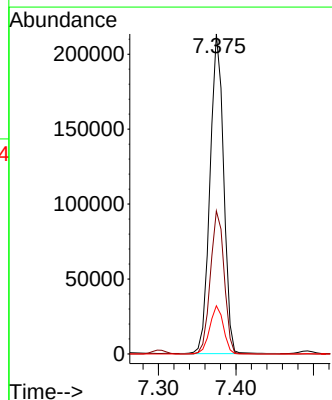
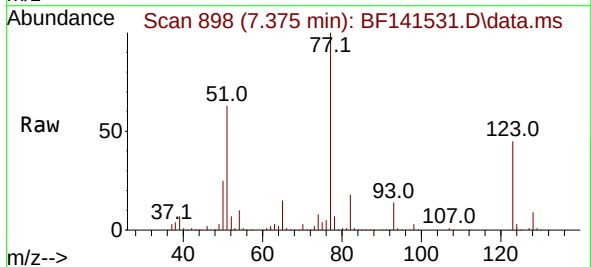
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

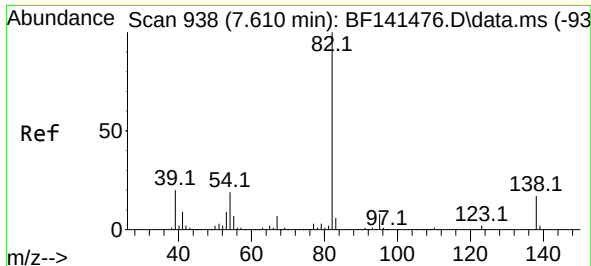
Tgt Ion: 82 Resp: 538199
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.8 52.2
 54 59.4 48.2 72.4



#24
 Nitrobenzene
 Concen: 39.108 ng
 RT: 7.375 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 260329
 Ion Ratio Lower Upper
 77 100
 123 44.7 36.9 55.3
 65 15.0 11.9 17.9

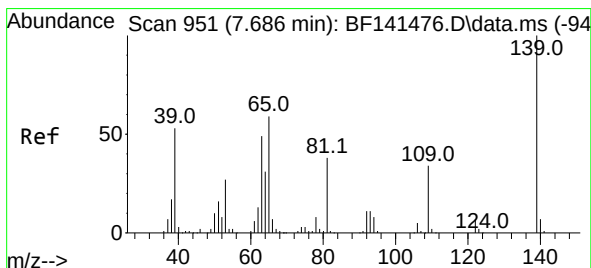
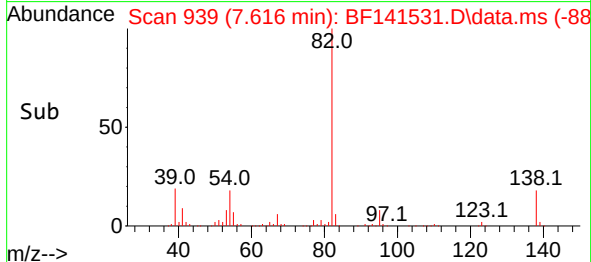
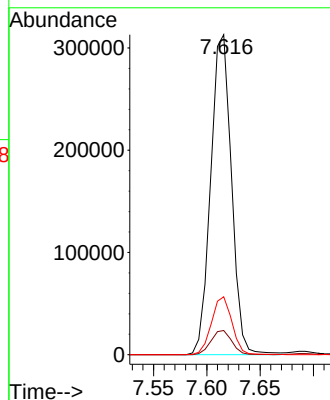
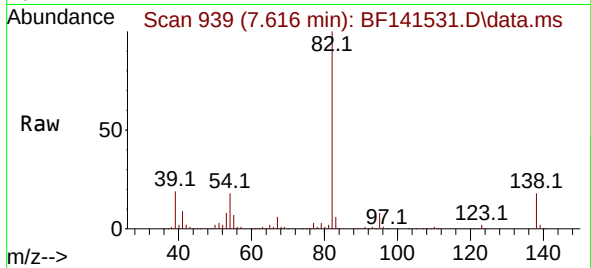




#25
Isophorone
Concen: 38.993 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

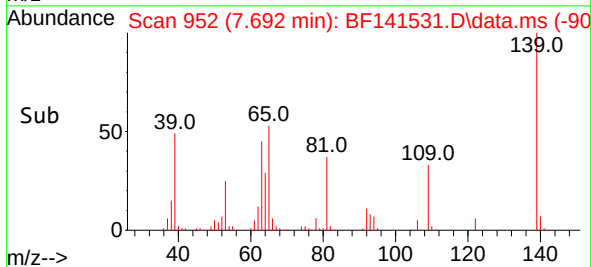
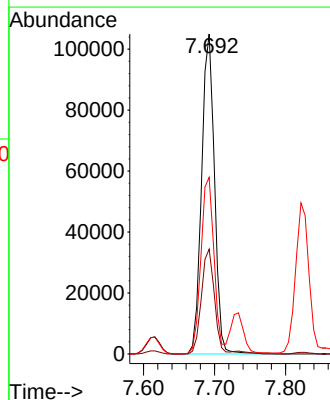
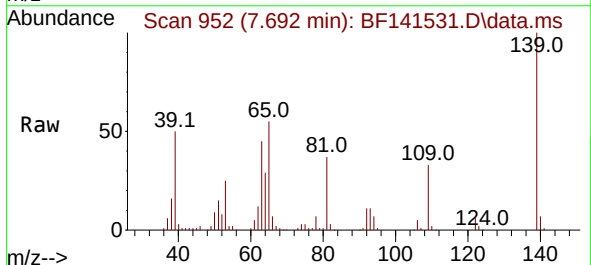
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

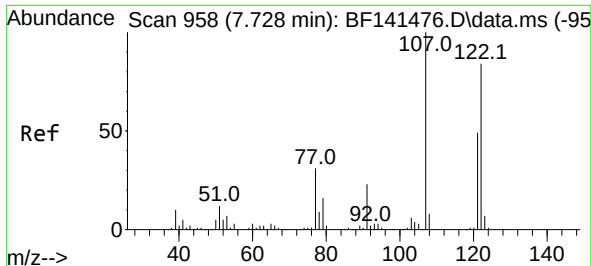
Tgt Ion: 82 Resp: 424424
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 18.1 13.9 20.9



#26
2-Nitrophenol
Concen: 40.102 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 139 Resp: 132810
Ion Ratio Lower Upper
139 100
109 32.7 27.0 40.6
65 55.2 47.1 70.7

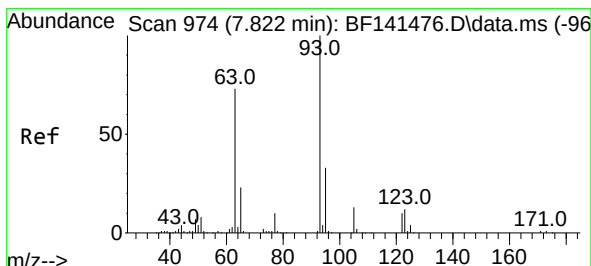
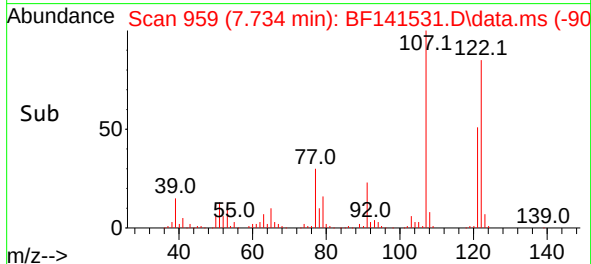
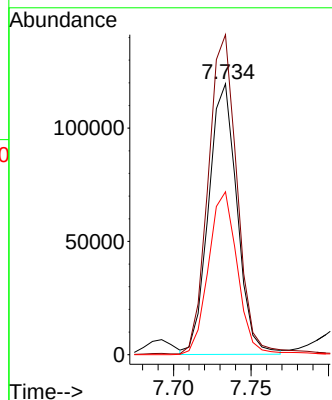
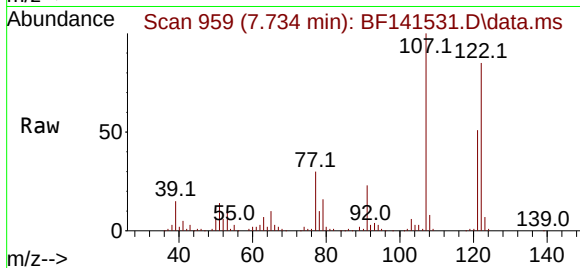




#27
2,4-Dimethylphenol
Concen: 39.519 ng
RT: 7.734 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

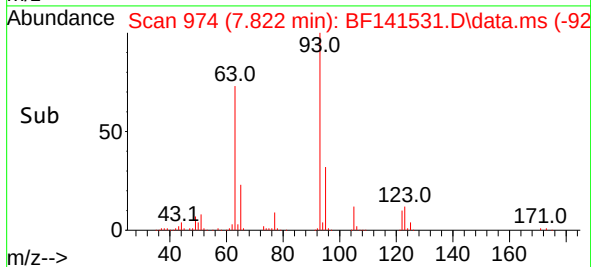
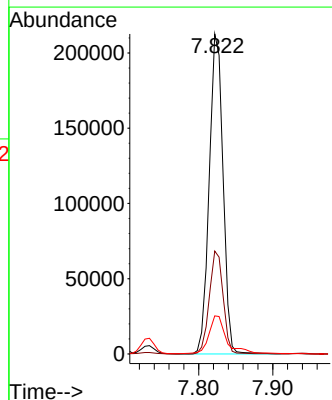
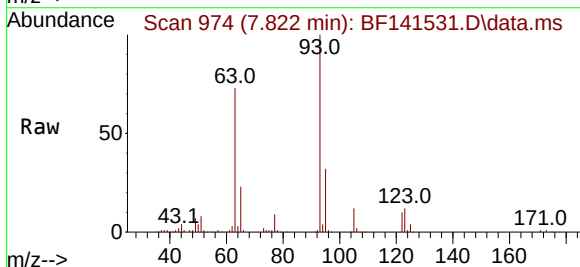
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

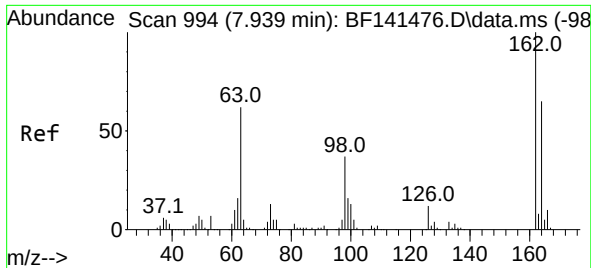
Tgt Ion:122 Resp: 152895
Ion Ratio Lower Upper
122 100
107 118.1 94.3 141.5
121 60.1 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 39.467 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

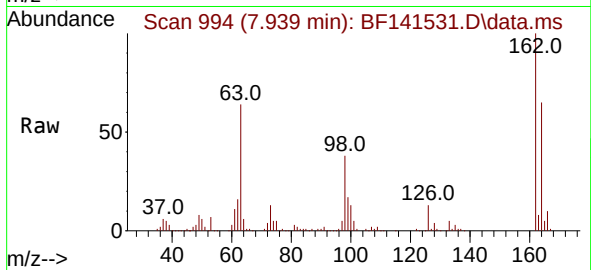
Tgt Ion: 93 Resp: 275268
Ion Ratio Lower Upper
93 100
95 32.2 26.1 39.1
123 11.9 9.5 14.3



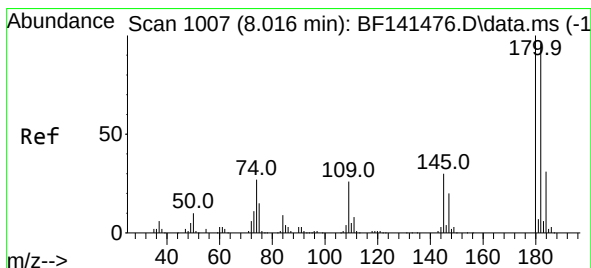
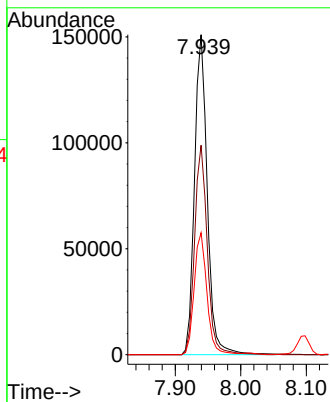
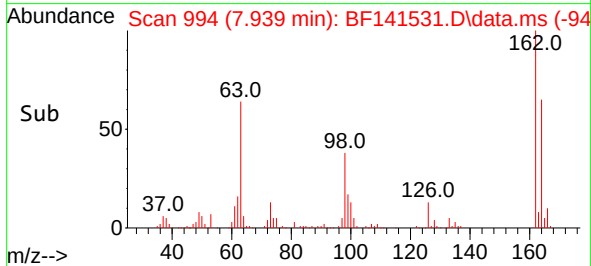


#29
2,4-Dichlorophenol
Concen: 39.280 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

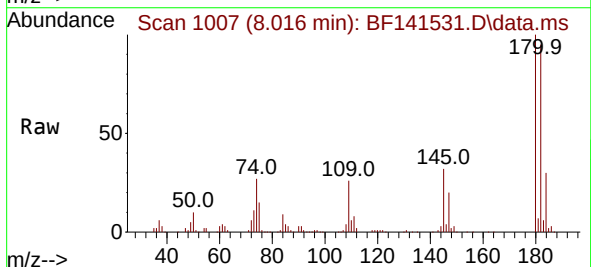
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



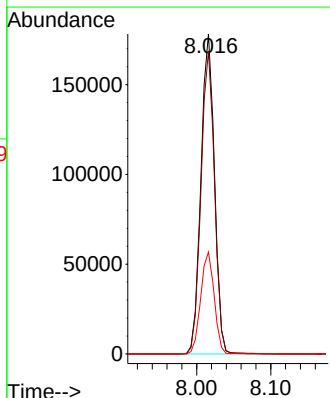
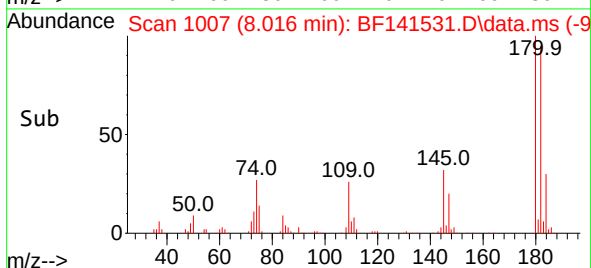
Tgt Ion:162 Resp: 205336
Ion Ratio Lower Upper
162 100
164 65.5 44.6 84.6
98 38.1 17.2 57.2

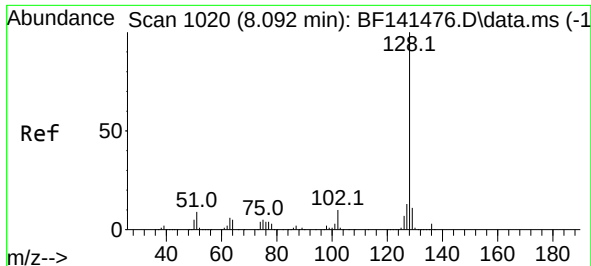


#30
1,2,4-Trichlorobenzene
Concen: 39.705 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34



Tgt Ion:180 Resp: 226022
Ion Ratio Lower Upper
180 100
182 94.7 76.8 115.2
145 31.9 24.2 36.4

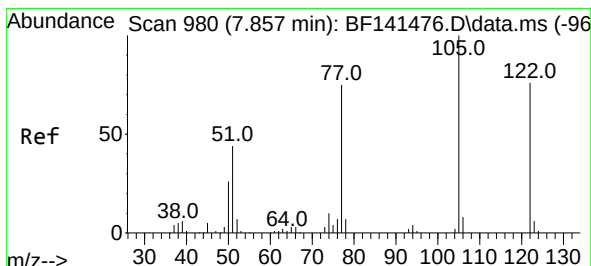
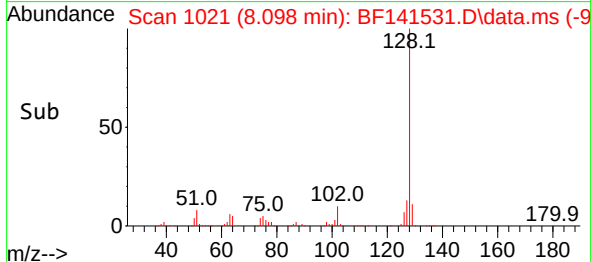
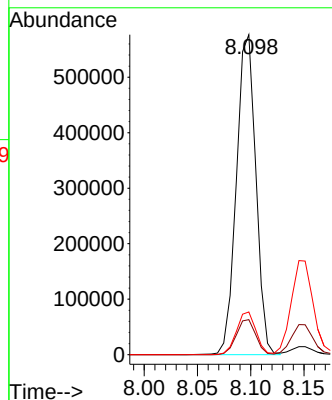
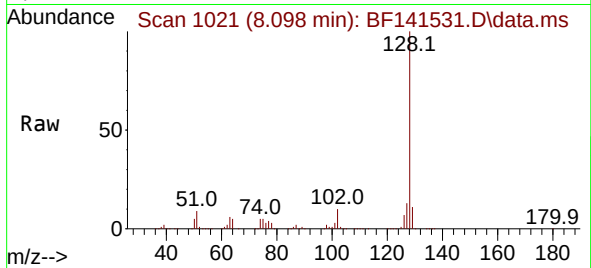




#31
Naphthalene
Concen: 39.639 ng
RT: 8.098 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

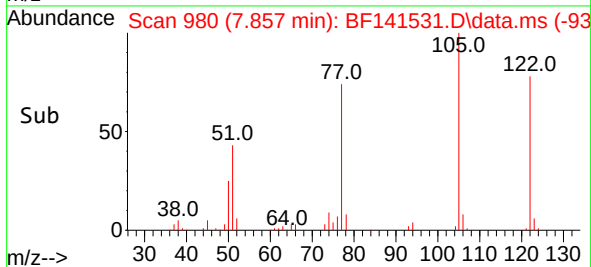
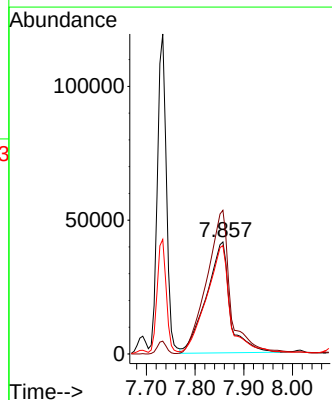
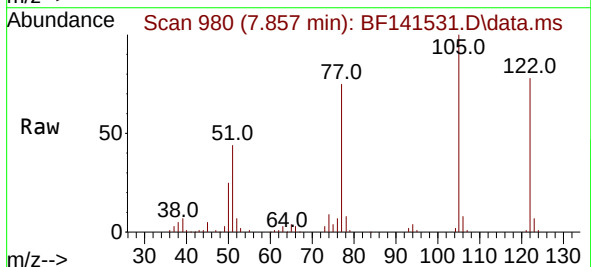
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

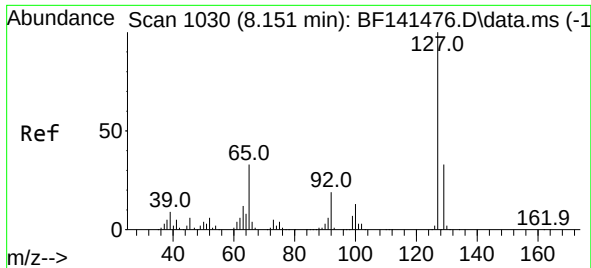
Tgt Ion:128 Resp: 734667
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 34.738 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:122 Resp: 139602
Ion Ratio Lower Upper
122 100
105 128.4 106.5 146.5
77 96.8 76.3 116.3

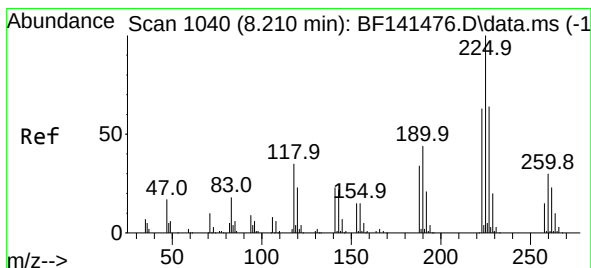
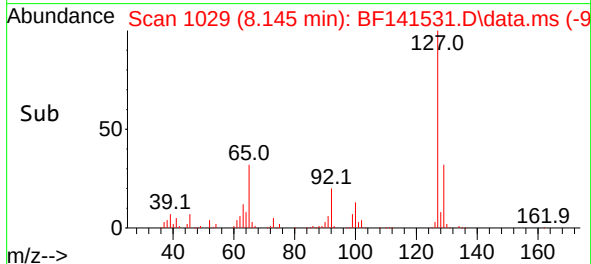
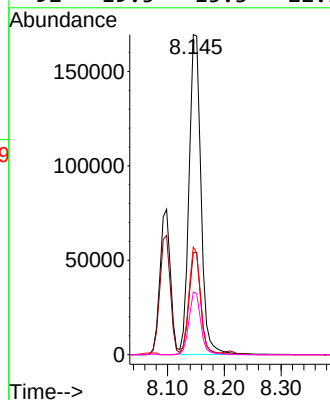
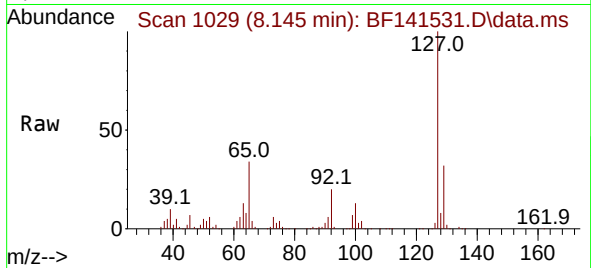




#33
4-Chloroaniline
Concen: 38.208 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

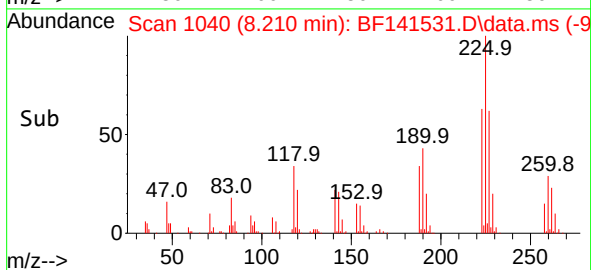
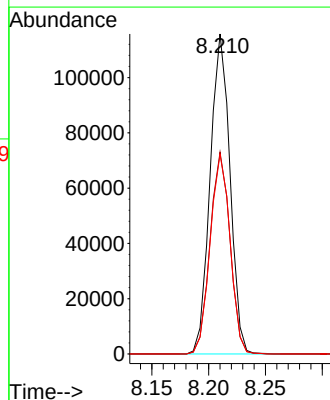
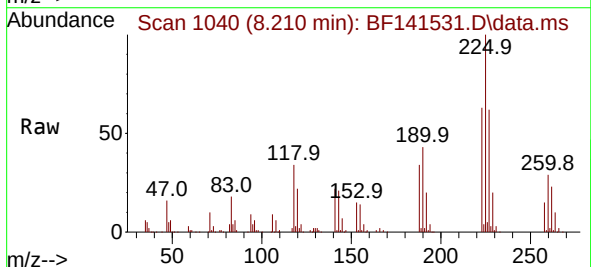
Instrument :
BNA_F
ClientSampleId :
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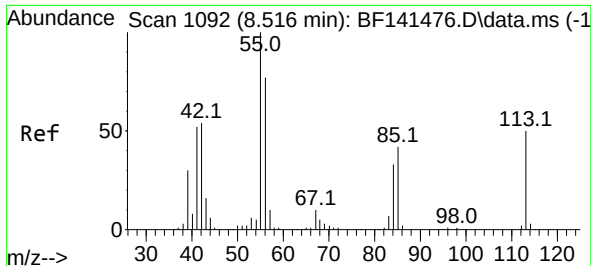
Tgt Ion:	127	Resp:	247243
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	33.6	26.4	39.6
92	19.5	15.3	22.9



#34
Hexachlorobutadiene
Concen: 41.054 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	225	Resp:	140298
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	62.4	51.0	76.6

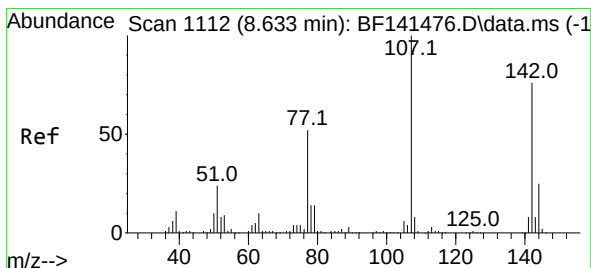
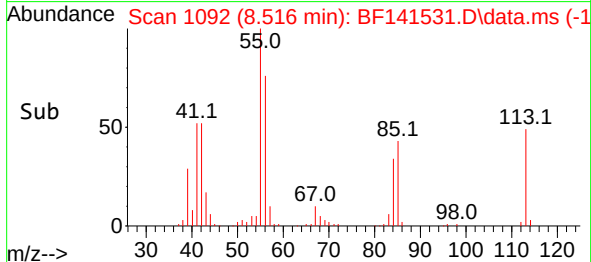
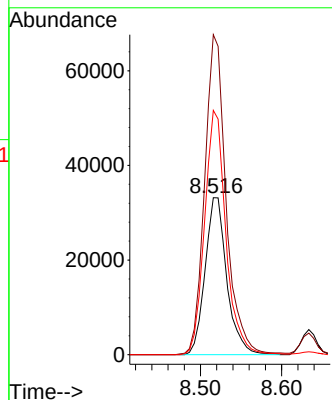
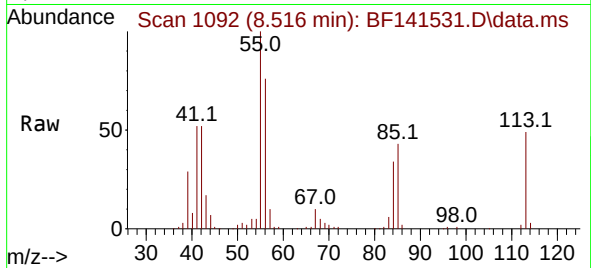




#35
Caprolactam
Concen: 38.739 ng
RT: 8.516 min Scan# 1092
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

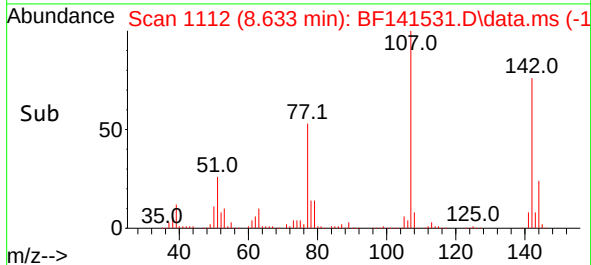
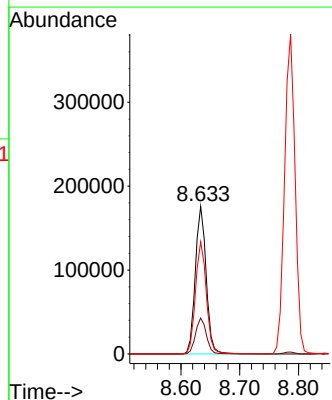
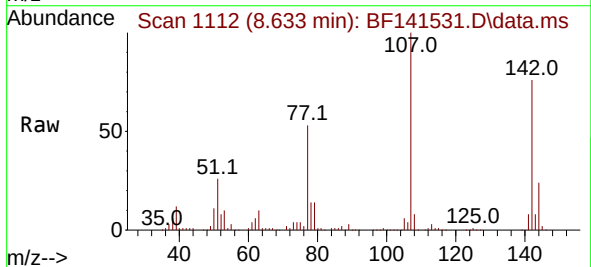
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

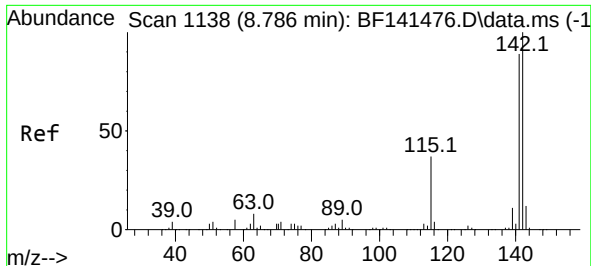
Tgt Ion:113 Resp: 61657
Ion Ratio Lower Upper
113 100
55 203.9 180.8 220.8
56 155.7 133.6 173.6



#36
4-Chloro-3-methylphenol
Concen: 38.947 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 225523
Ion Ratio Lower Upper
107 100
144 24.4 19.7 29.5
142 76.0 60.8 91.2

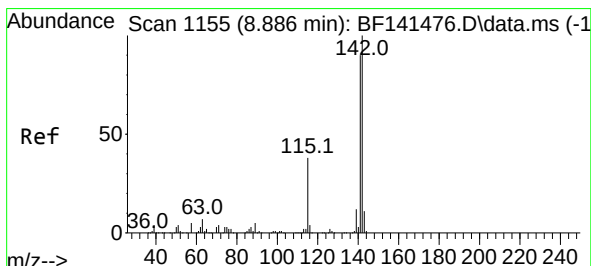
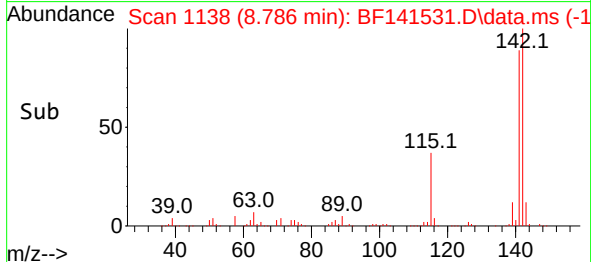
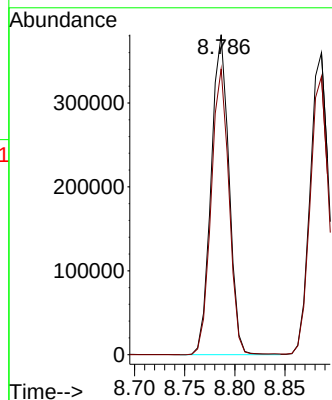
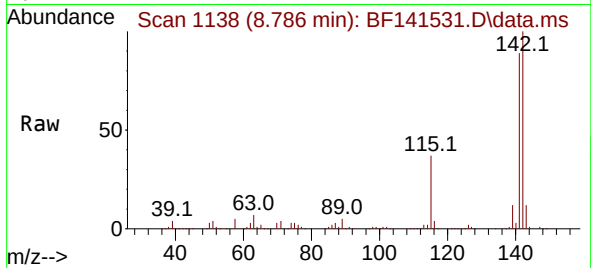




#37
2-Methylnaphthalene
Concen: 39.242 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

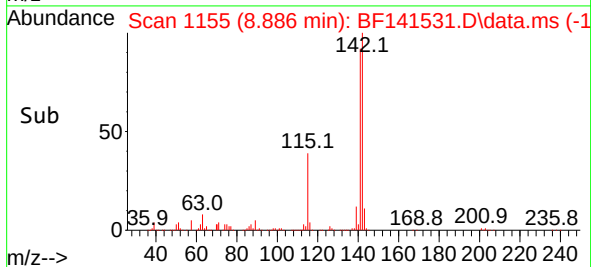
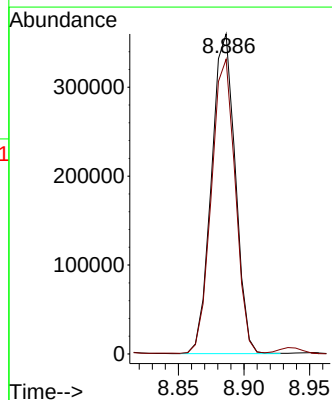
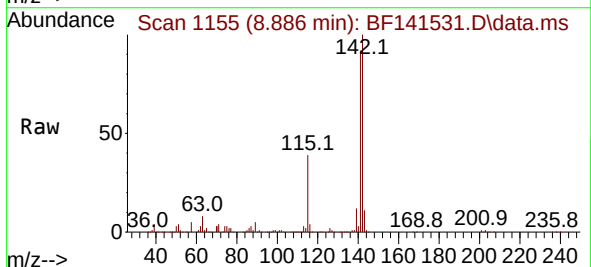
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

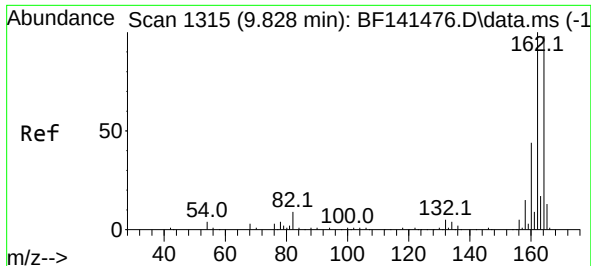
Tgt Ion:142 Resp: 473288
Ion Ratio Lower Upper
142 100
141 89.3 71.2 106.8



#38
1-Methylnaphthalene
Concen: 38.931 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 454754
Ion Ratio Lower Upper
142 100
141 92.1 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: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

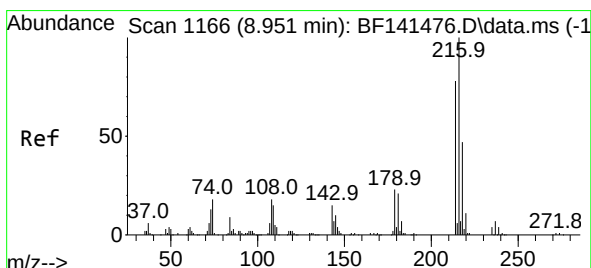
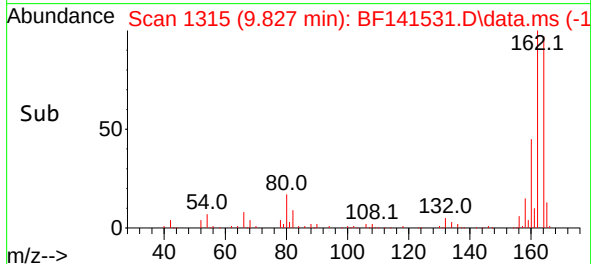
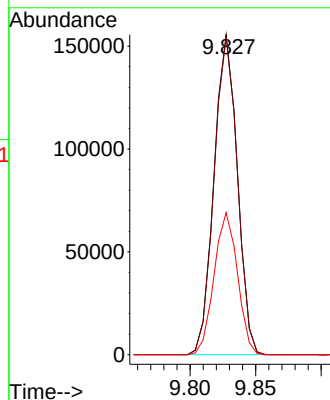
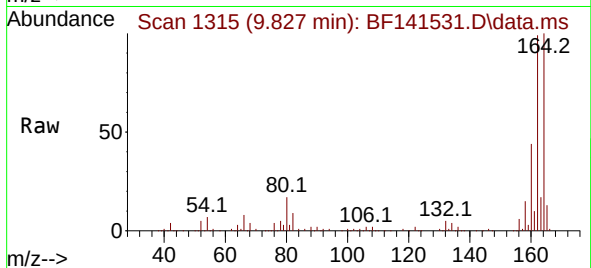
Tgt Ion:164 Resp: 192109

Ion Ratio Lower Upper

164 100

162 99.1 81.3 121.9

160 44.4 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.116 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Tgt Ion:216 Resp: 222962

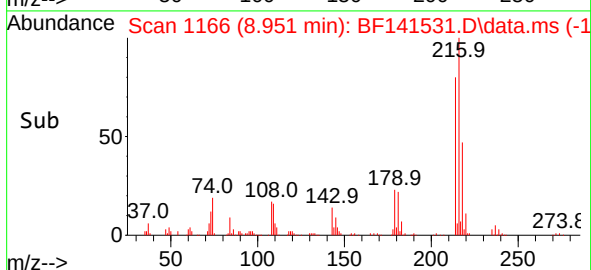
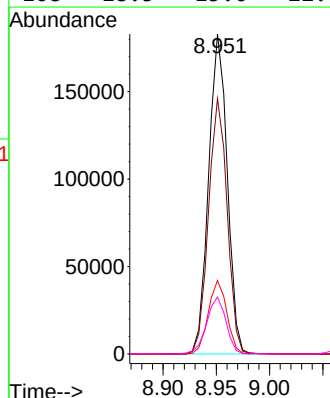
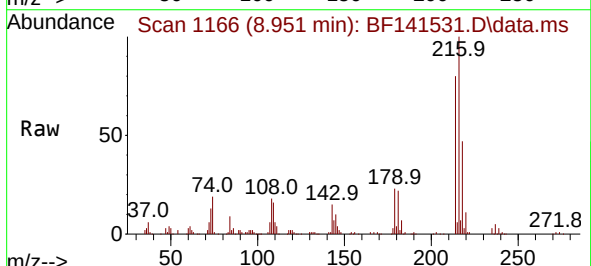
Ion Ratio Lower Upper

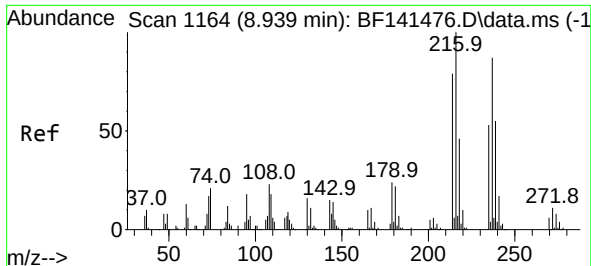
216 100

214 79.8 62.3 93.5

179 22.9 18.0 27.0

108 18.5 15.0 22.6

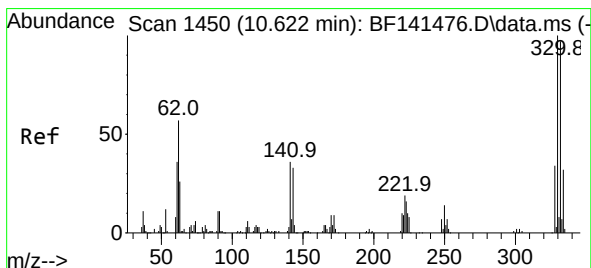
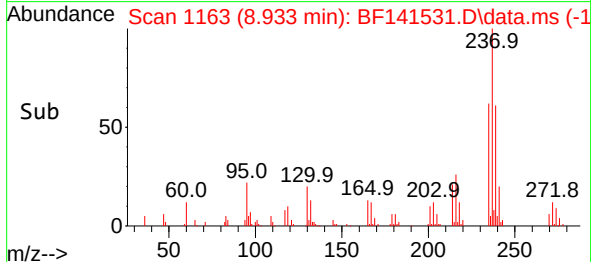
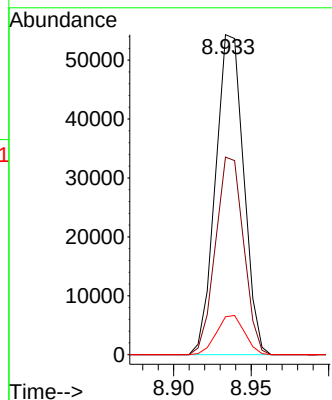
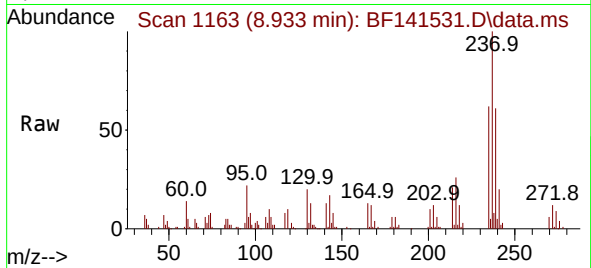




#41
Hexachlorocyclopentadiene
Concen: 37.172 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

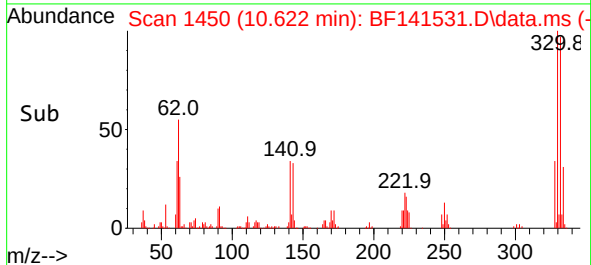
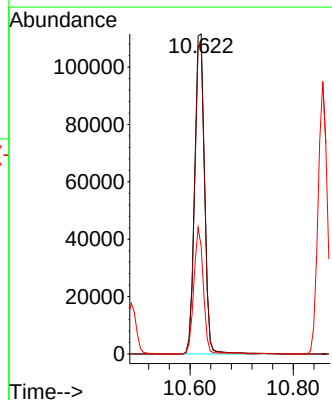
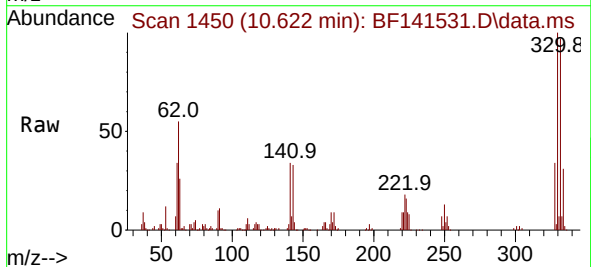
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

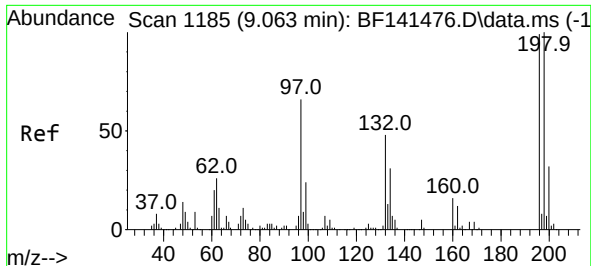
Tgt Ion:237 Resp: 68717
Ion Ratio Lower Upper
237 100
235 61.7 41.4 81.4
272 11.9 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 77.122 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:330 Resp: 148831
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 37.5 31.0 46.4

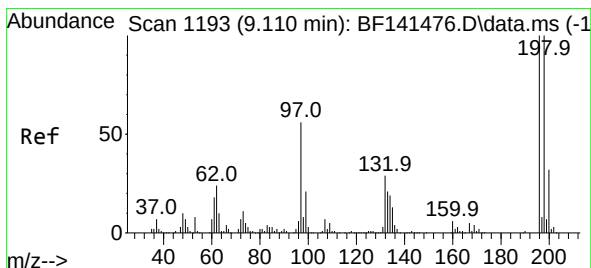
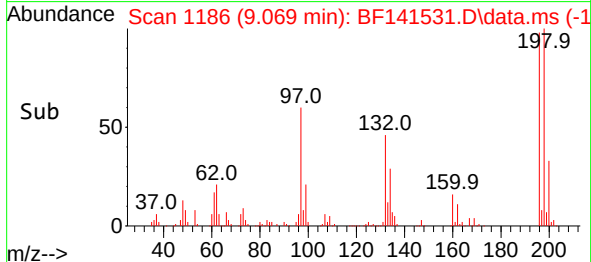
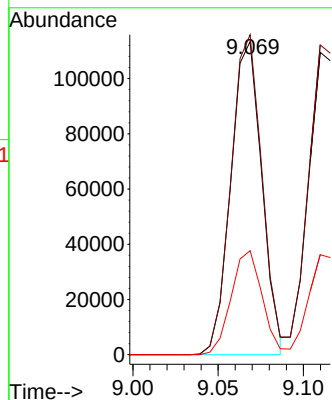
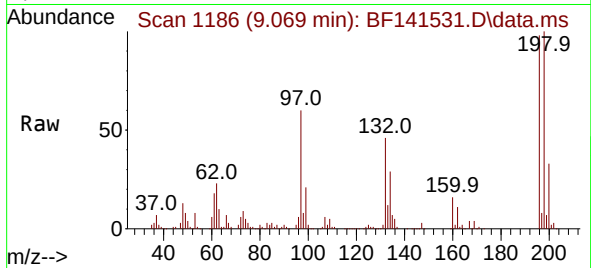




#43
2,4,6-Trichlorophenol
Concen: 39.950 ng
RT: 9.069 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

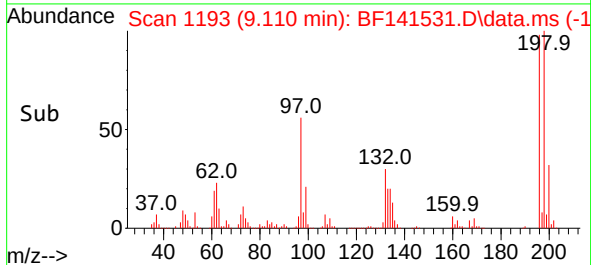
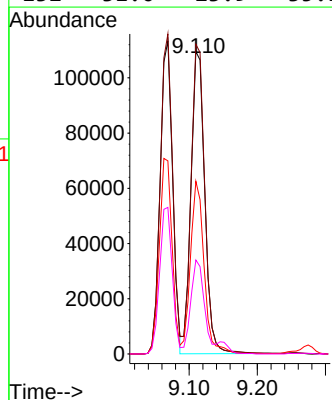
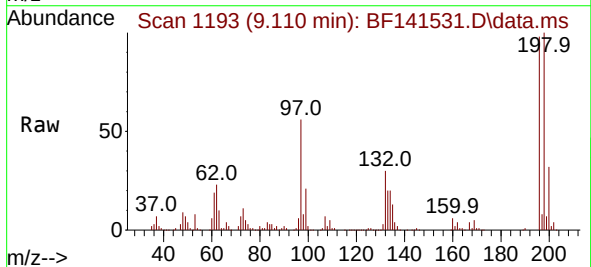
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

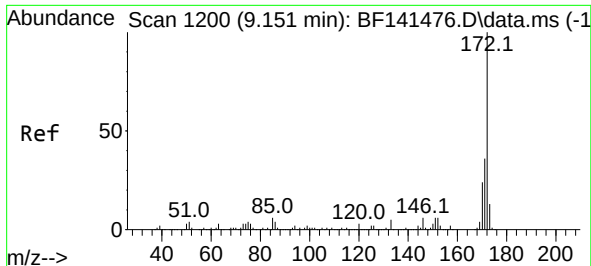
Tgt Ion:196 Resp: 143507
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 33.2 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 39.281 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:196 Resp: 152923
Ion Ratio Lower Upper
196 100
198 102.4 79.8 119.8
97 57.1 44.8 67.2
132 31.0 23.9 35.9

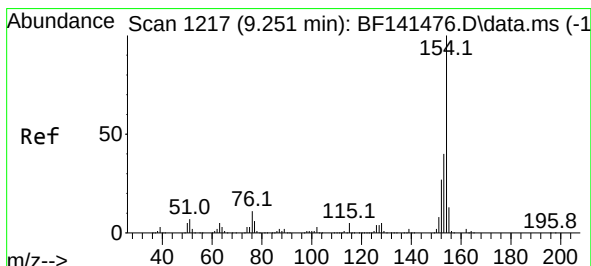
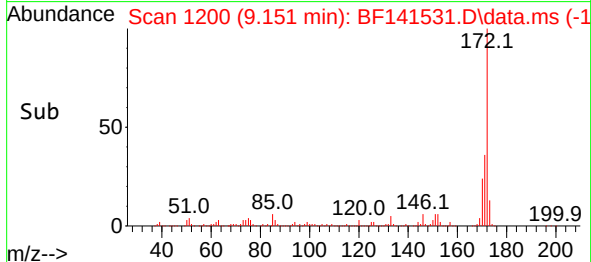
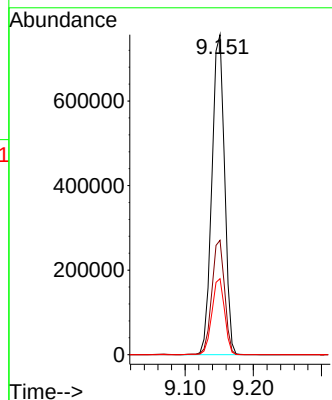
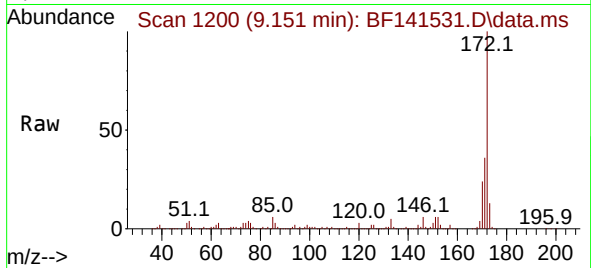




#45
2-Fluorobiphenyl
Concen: 78.674 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

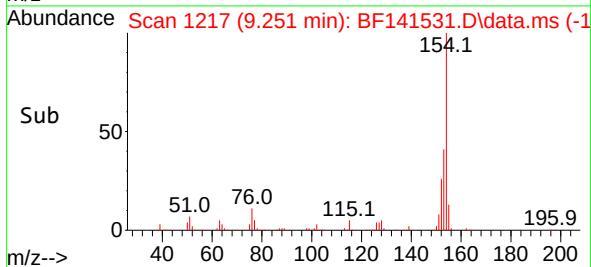
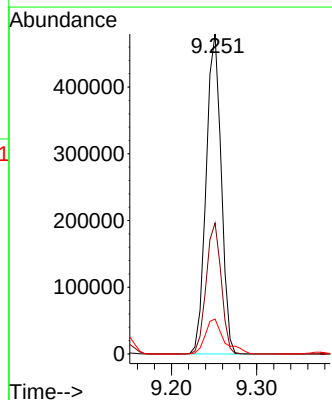
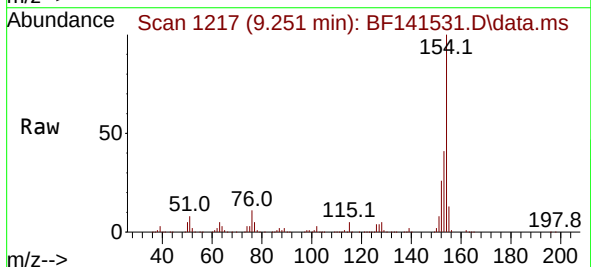
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

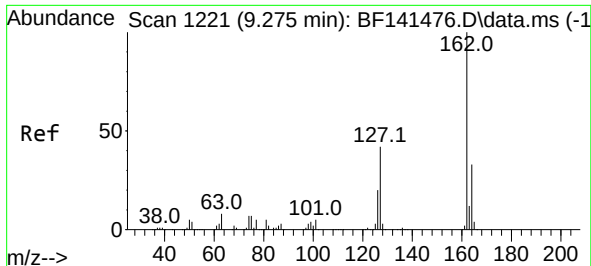
Tgt Ion:172 Resp: 981012
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.8 18.9 28.3



#46
1,1'-Biphenyl
Concen: 39.517 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 588561
Ion Ratio Lower Upper
154 100
153 40.9 20.4 60.4
76 10.9 0.0 30.8





#47

2-Chloronaphthalene

Concen: 39.887 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

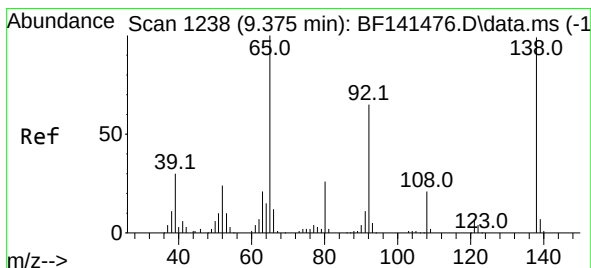
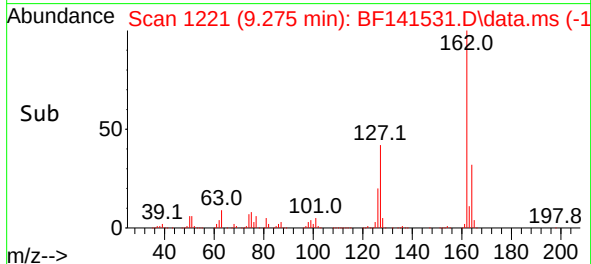
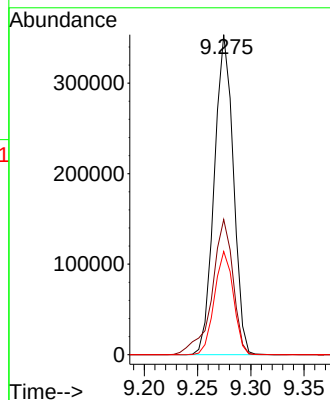
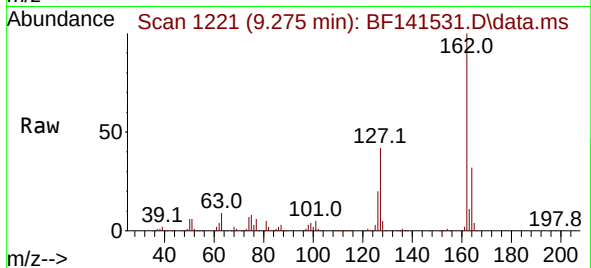
Tgt Ion:162 Resp: 439299

Ion Ratio Lower Upper

162 100

127 42.2 34.1 51.1

164 32.3 26.3 39.5



#48

2-Nitroaniline

Concen: 38.822 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

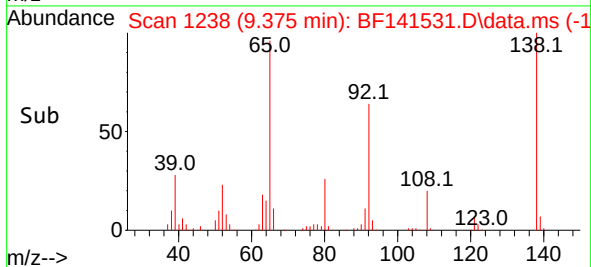
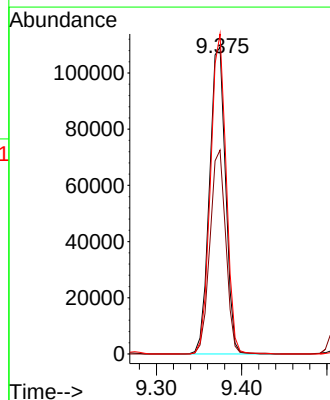
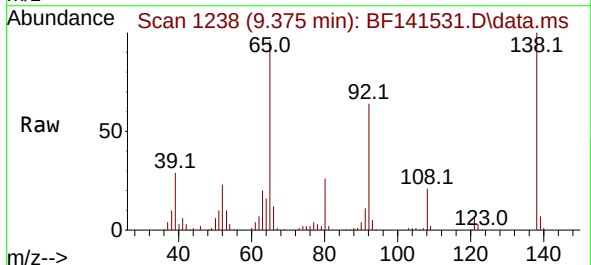
Tgt Ion: 65 Resp: 143494

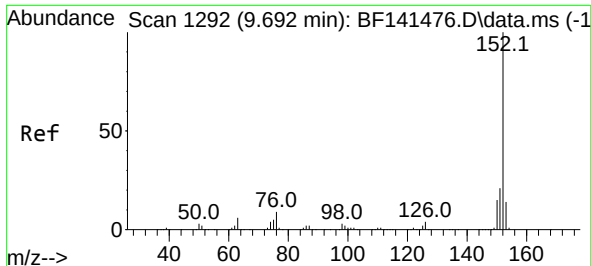
Ion Ratio Lower Upper

65 100

92 66.4 52.2 78.2

138 104.3 79.5 119.3

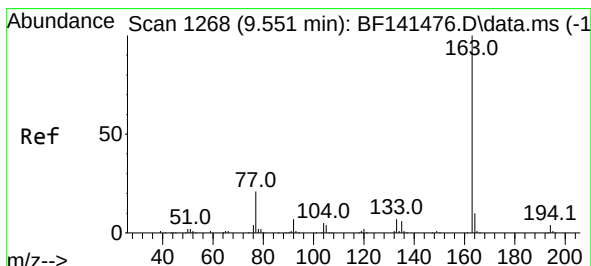
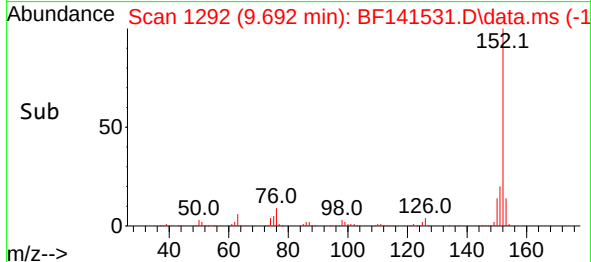
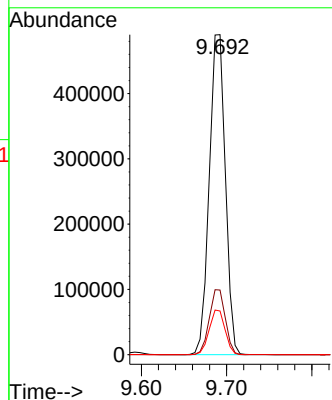
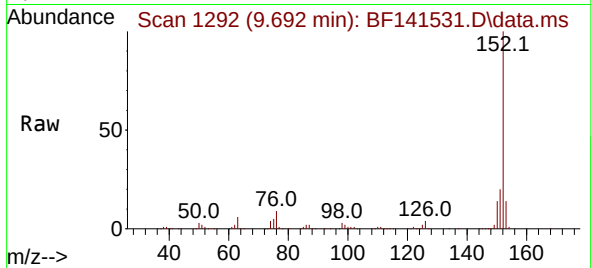




#49
Acenaphthylene
Concen: 39.253 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

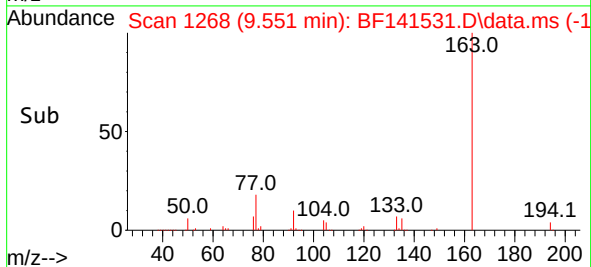
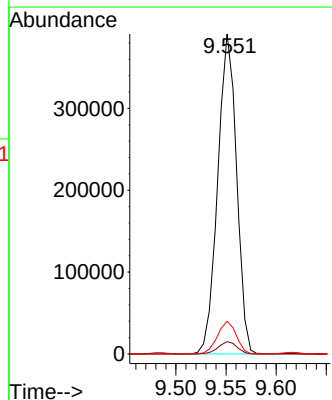
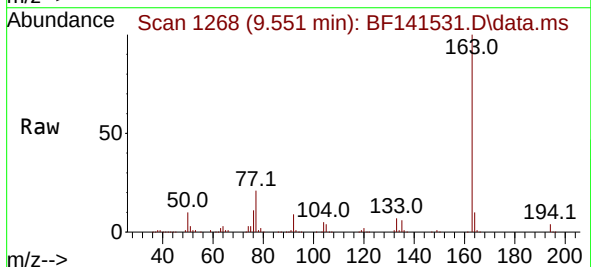
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

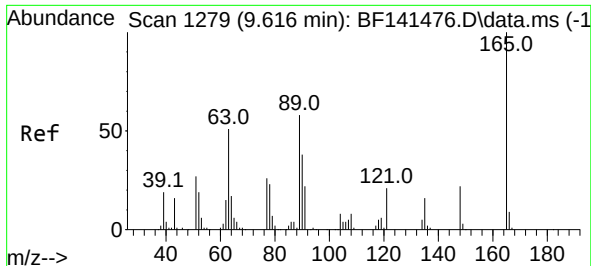
Tgt Ion:152 Resp: 643014
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.6 10.9 16.3



#50
Dimethylphthalate
Concen: 39.112 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:163 Resp: 510097
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.2 7.9 11.9

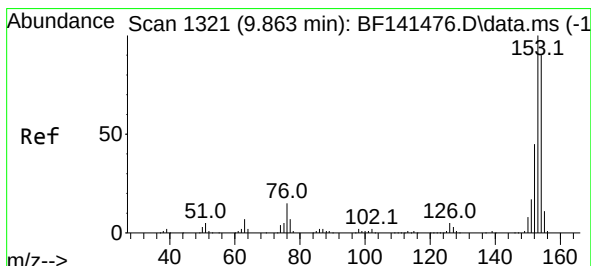
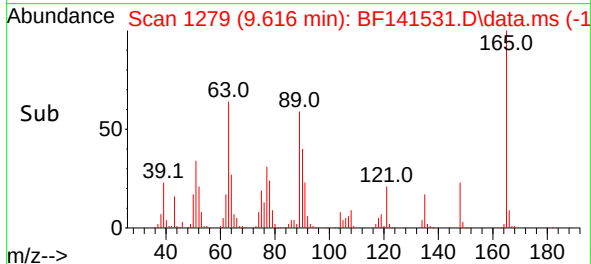
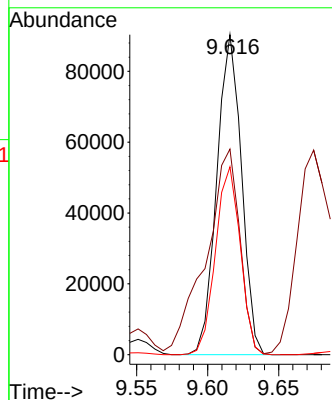
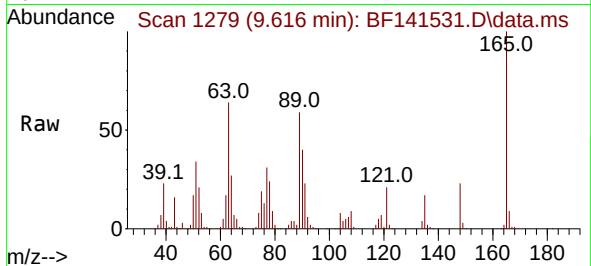




#51
2,6-Dinitrotoluene
Concen: 38.236 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

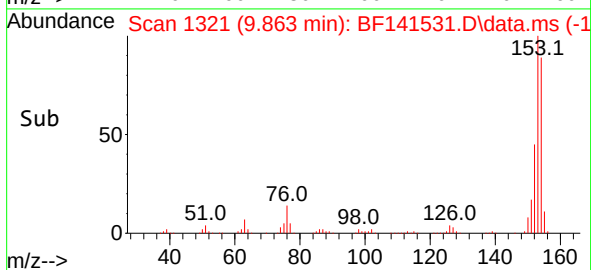
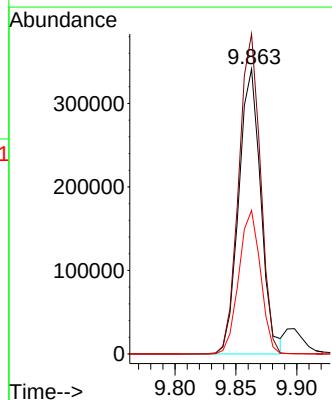
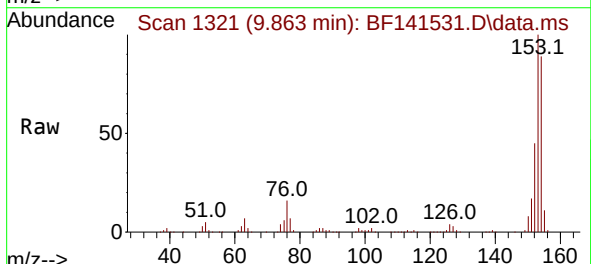
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

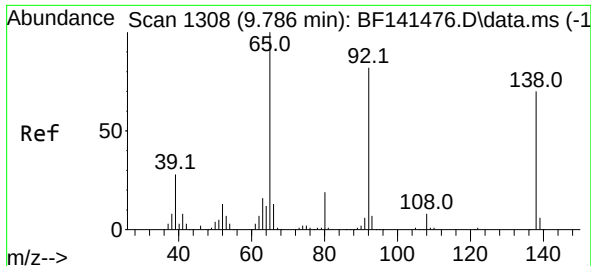
Tgt Ion:165 Resp: 109011
Ion Ratio Lower Upper
165 100
63 64.3 49.4 74.0
89 58.7 46.5 69.7



#52
Acenaphthene
Concen: 39.100 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 430608
Ion Ratio Lower Upper
154 100
153 112.3 89.2 133.8
152 50.3 39.8 59.8

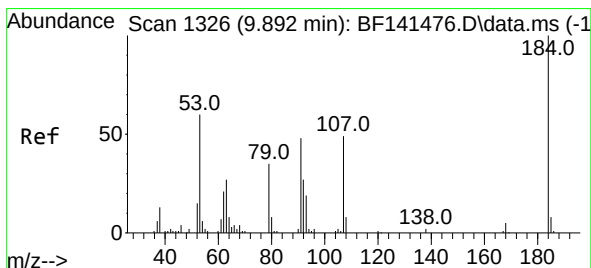
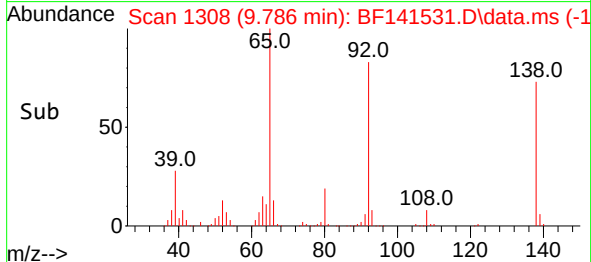
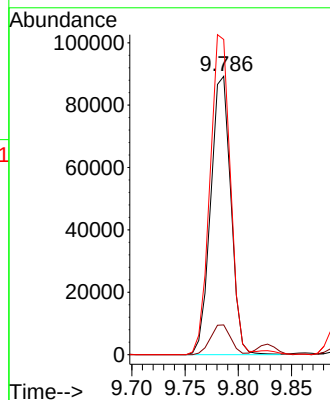
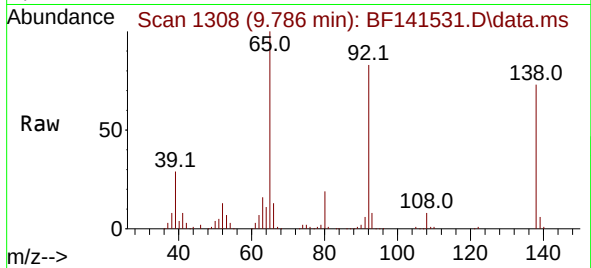




#53
3-Nitroaniline
Concen: 38.310 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

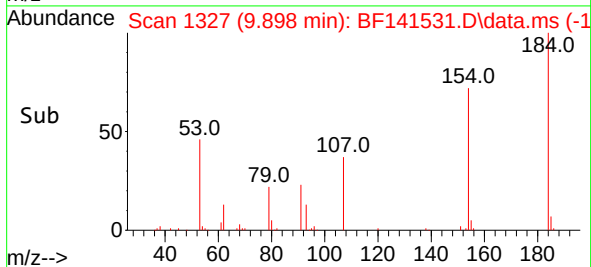
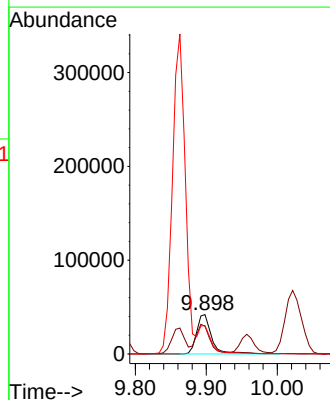
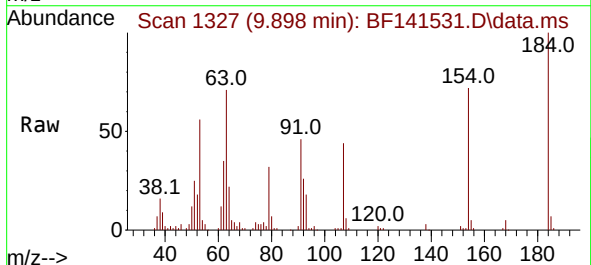
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

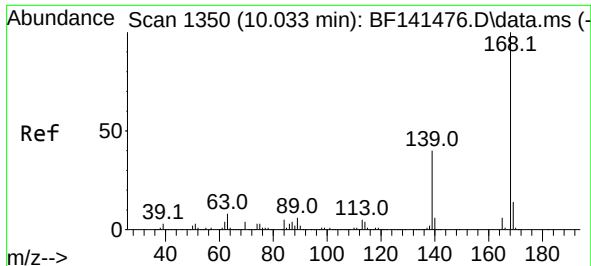
Tgt Ion:138 Resp: 117555
Ion Ratio Lower Upper
138 100
108 10.7 9.0 13.4
92 113.2 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 36.647 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:184 Resp: 62096
Ion Ratio Lower Upper
184 100
63 70.6 61.0 91.6
154 72.1 59.9 89.9

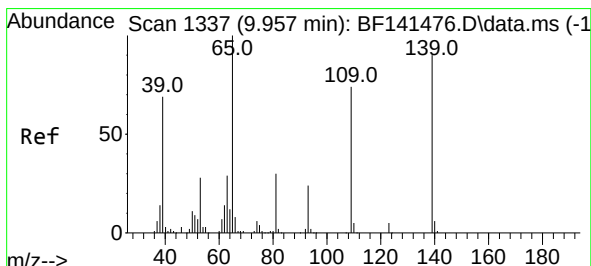
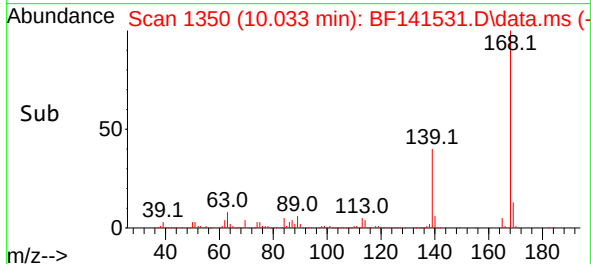
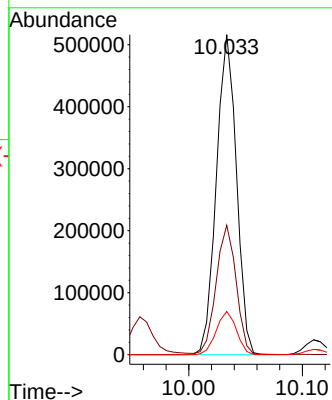
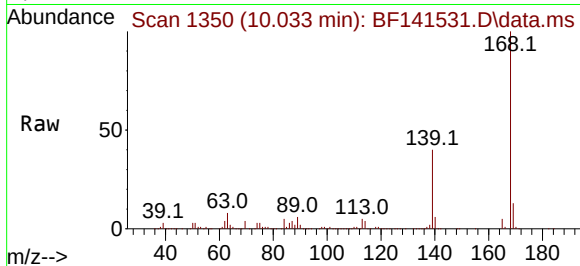




#55
Dibenzenofuran
Concen: 39.157 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

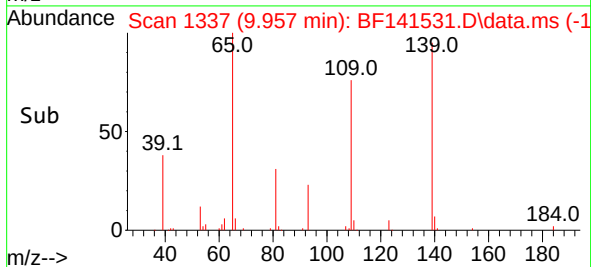
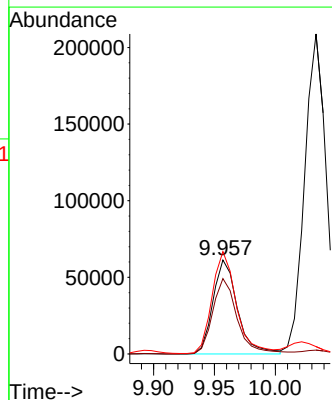
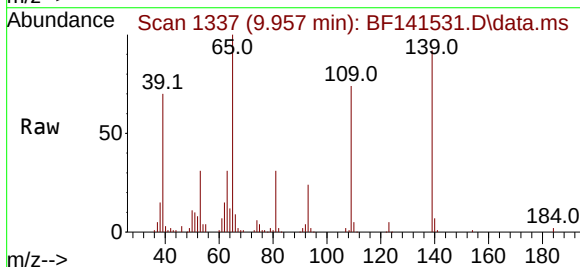
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

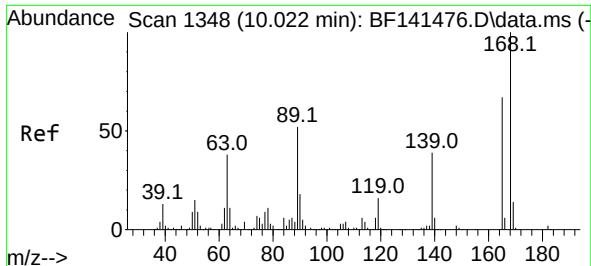
Tgt Ion:168 Resp: 632974
Ion Ratio Lower Upper
168 100
139 40.5 32.7 49.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 37.656 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:139 Resp: 85776
Ion Ratio Lower Upper
139 100
109 80.2 62.0 102.0
65 109.0 91.2 131.2

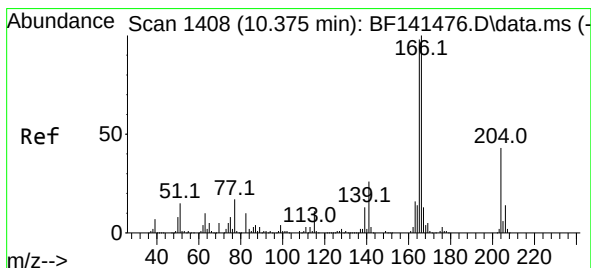
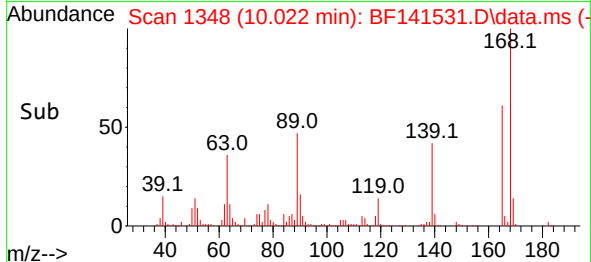
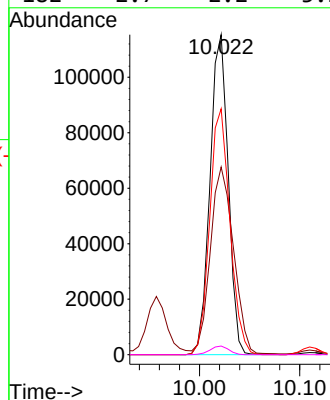
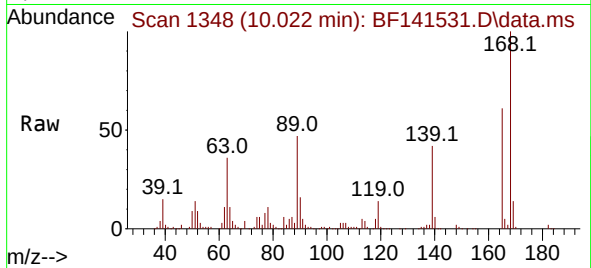




#57
2,4-Dinitrotoluene
Concen: 38.351 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

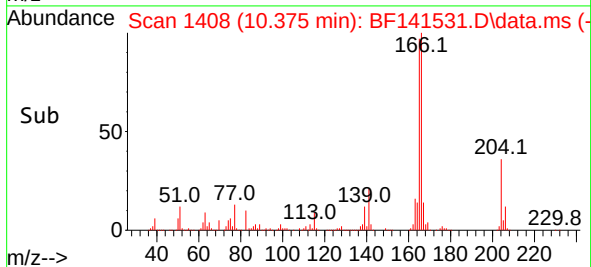
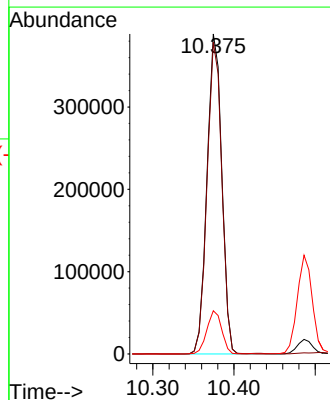
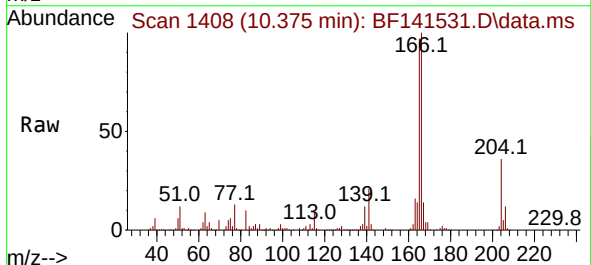
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

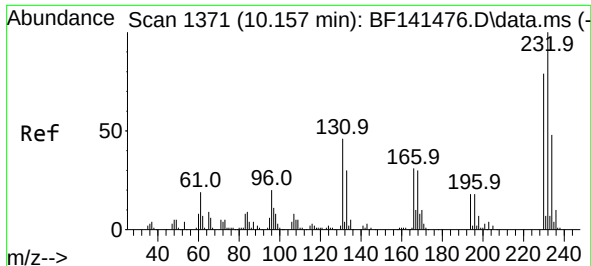
Tgt Ion:	165	Resp:	145558
Ion	Ratio	Lower	Upper
165	100		
63	58.6	46.4	69.6
89	76.9	61.8	92.6
182	2.7	2.2	3.2



#58
Fluorene
Concen: 39.202 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

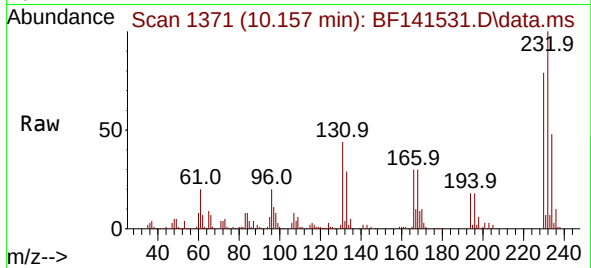
Tgt Ion:	166	Resp:	489982
Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.2
167	13.5	10.7	16.1



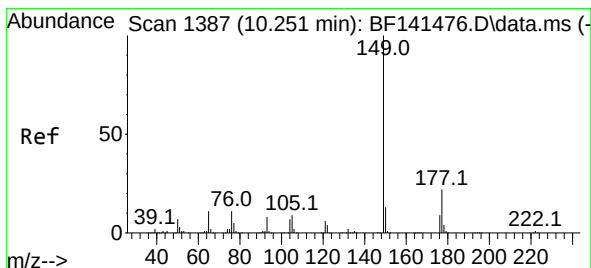
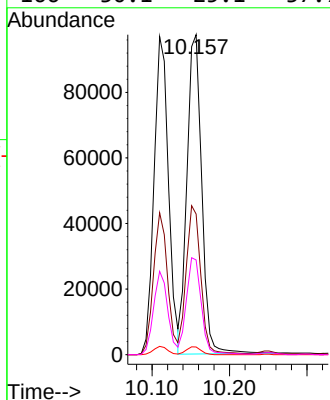
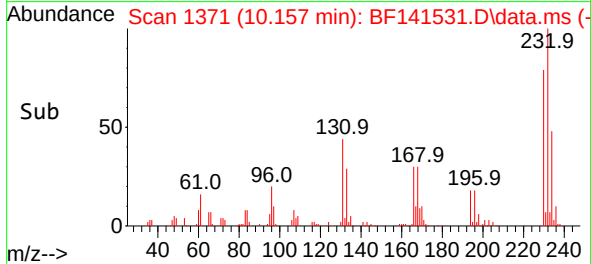


#59
2,3,4,6-Tetrachlorophenol
Concen: 38.428 ng
RT: 10.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

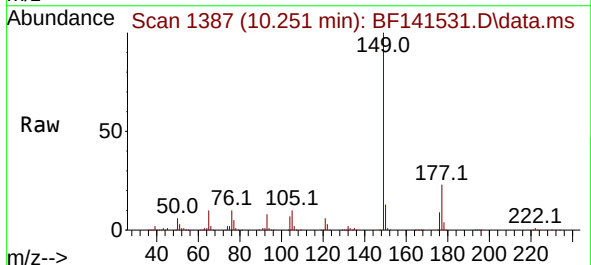
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



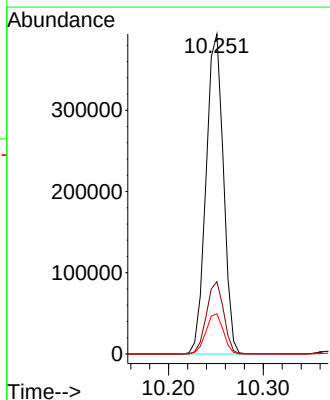
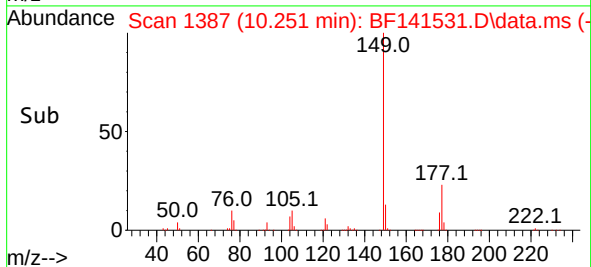
Tgt Ion:232 Resp: 128800
Ion Ratio Lower Upper
232 100
131 46.2 39.2 58.8
130 2.5 2.1 3.1
166 30.1 25.1 37.7

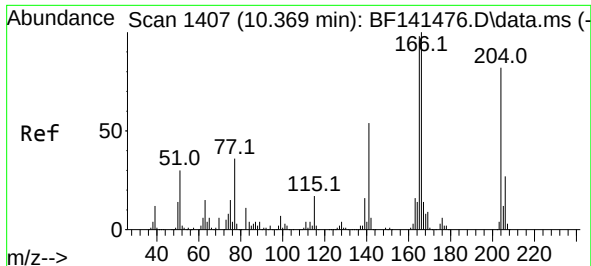


#60
Diethylphthalate
Concen: 39.149 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34



Tgt Ion:149 Resp: 502338
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 12.5 10.1 15.1

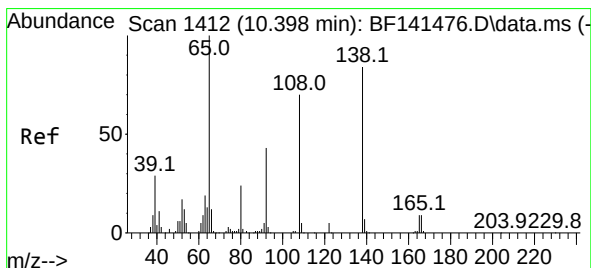
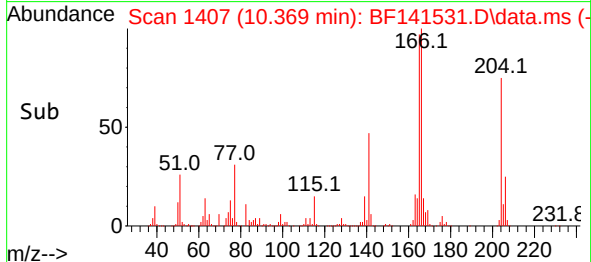
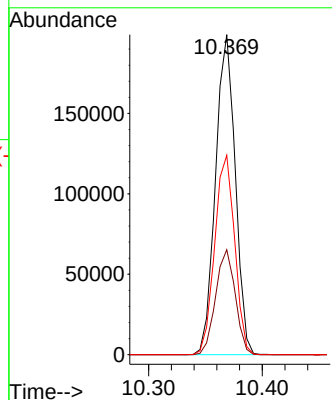
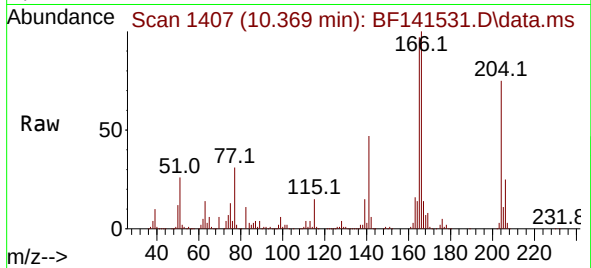




#61
4-Chlorophenyl-phenylether
Concen: 39.967 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

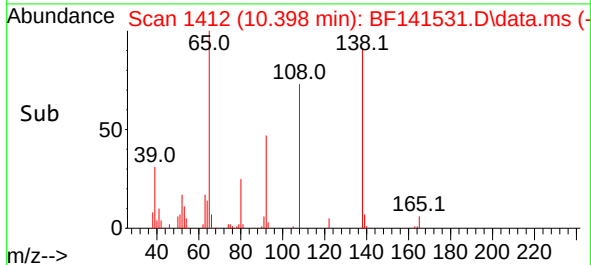
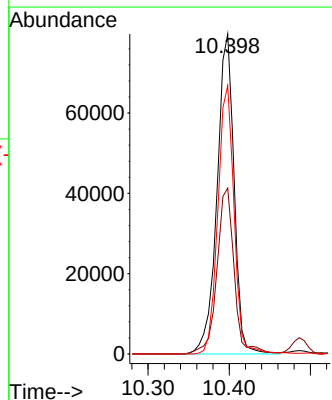
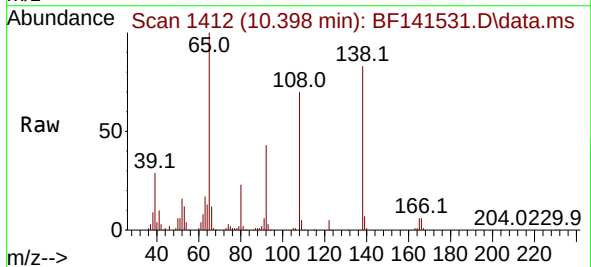
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

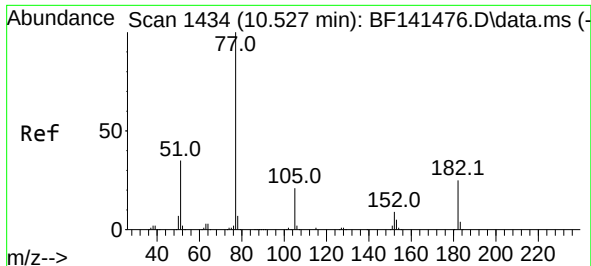
Tgt Ion:204 Resp: 240325
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 62.3 51.9 77.9



#62
4-Nitroaniline
Concen: 37.408 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:138 Resp: 116557
Ion Ratio Lower Upper
138 100
92 51.8 31.3 71.3
108 83.9 63.7 103.7

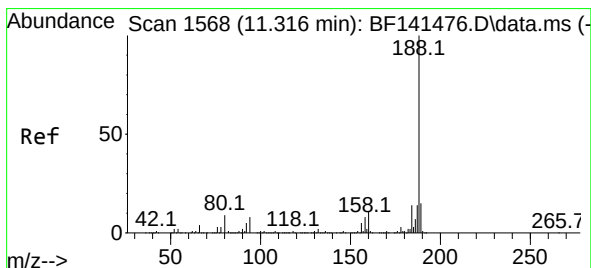
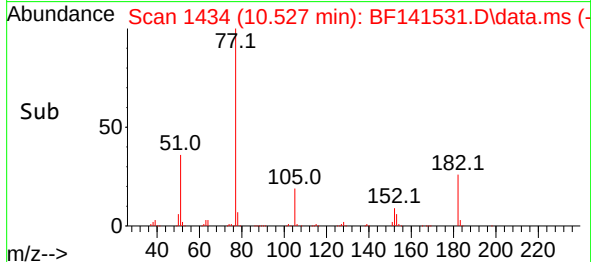
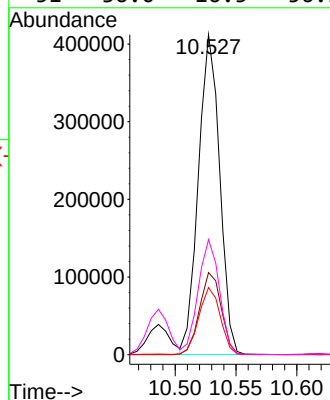
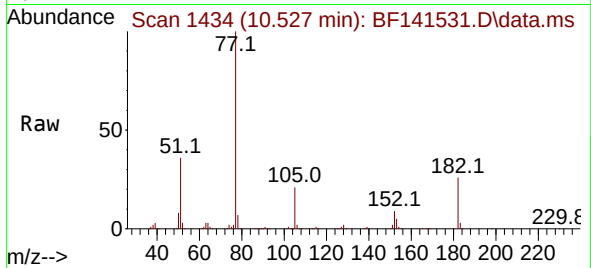




#63
Azobenzene
Concen: 39.338 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

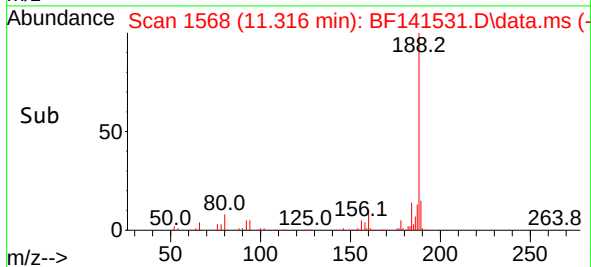
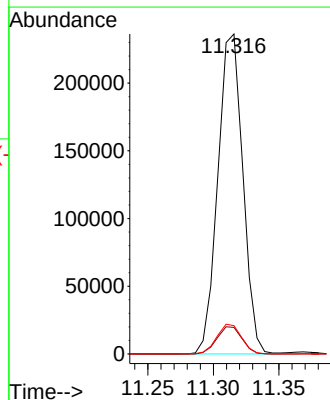
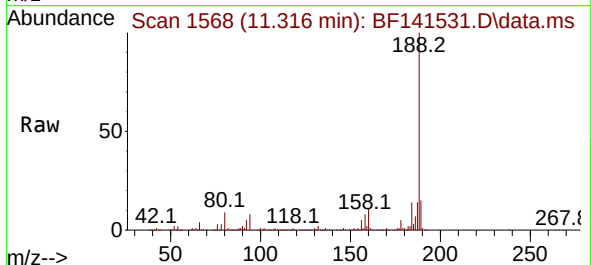
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

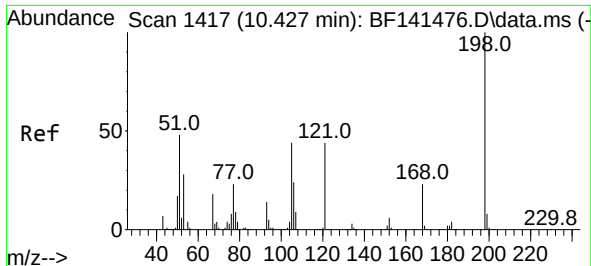
Tgt Ion: 77	Resp: 501802
Ion Ratio	Lower Upper
77 100	
182 25.7	4.7 44.7
105 21.0	0.4 40.4
51 36.0	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:188	Resp: 313129
Ion Ratio	Lower Upper
188 100	
94 8.3	6.6 10.0
80 8.9	7.3 10.9

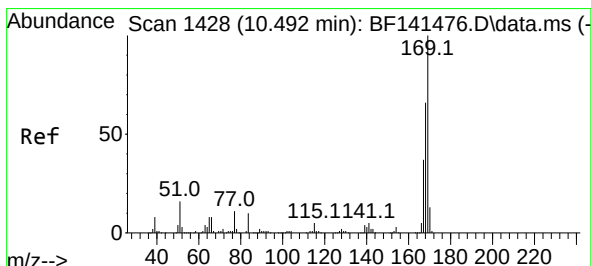
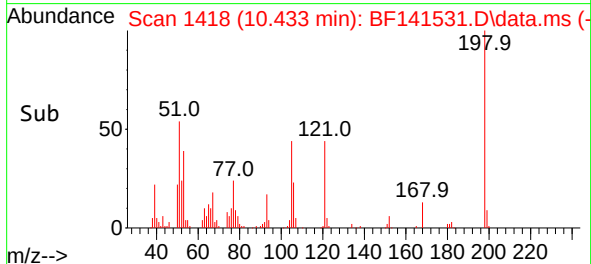
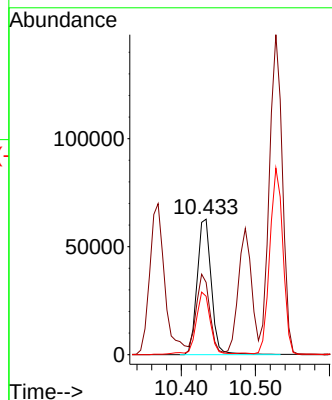
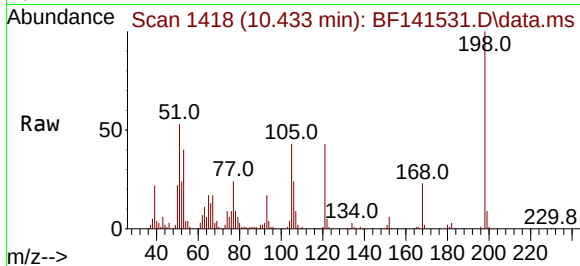




#65
4,6-Dinitro-2-methylphenol
Concen: 38.398 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

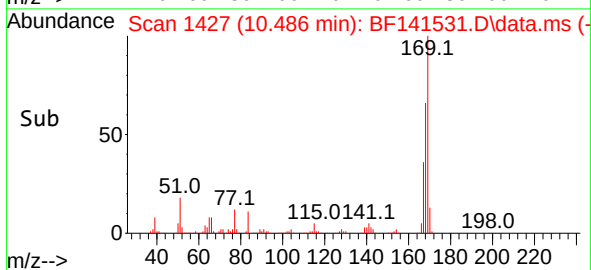
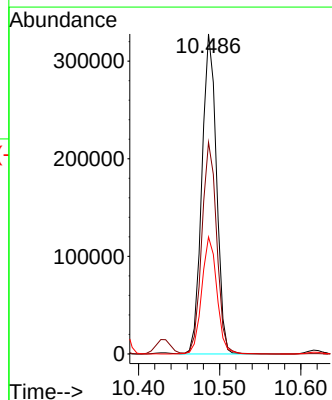
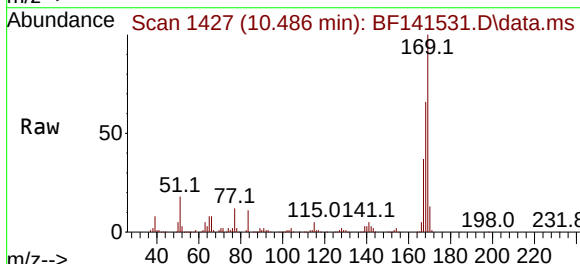
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

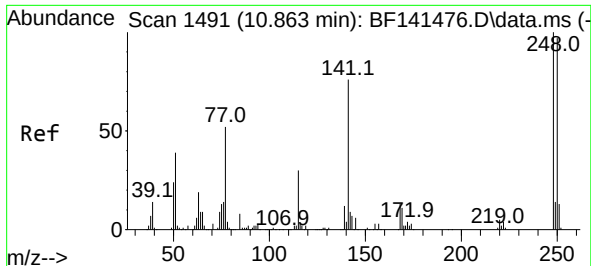
Tgt Ion:198 Resp: 83522
Ion Ratio Lower Upper
198 100
51 53.3 37.4 77.4
105 43.1 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 40.759 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:169 Resp: 408555
Ion Ratio Lower Upper
169 100
168 66.1 53.3 79.9
167 36.6 29.4 44.2

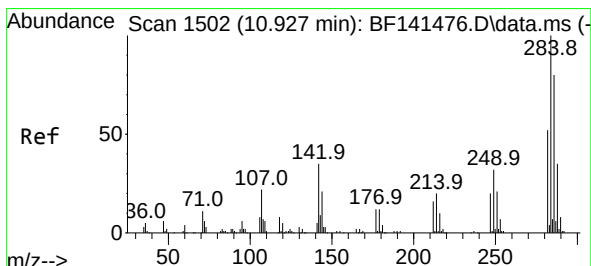
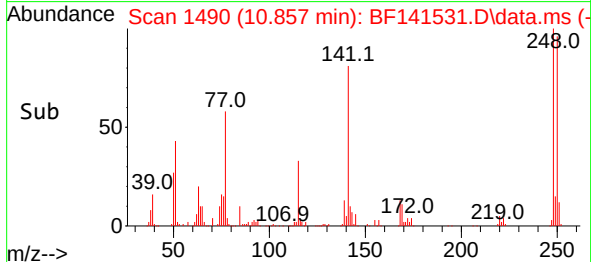
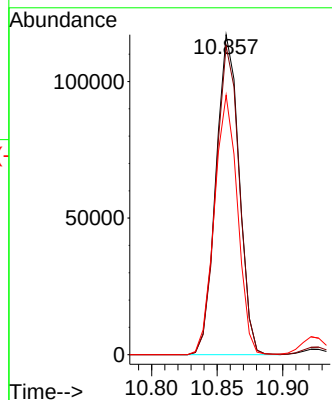
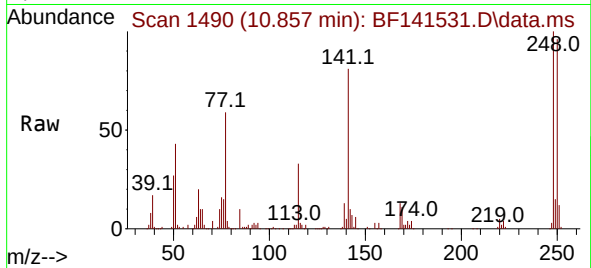




#67
4-Bromophenyl-phenylether
Concen: 41.197 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

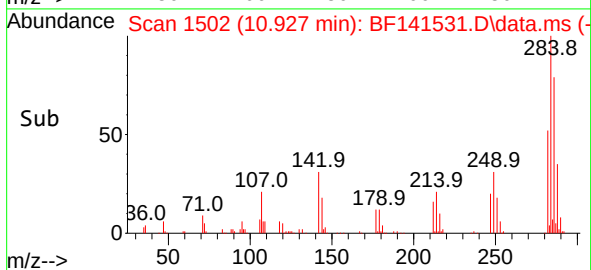
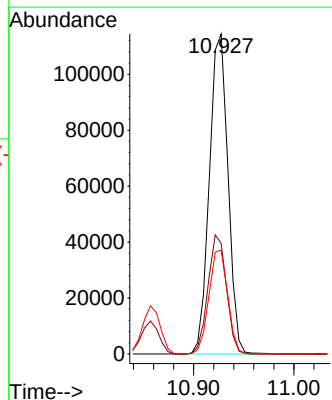
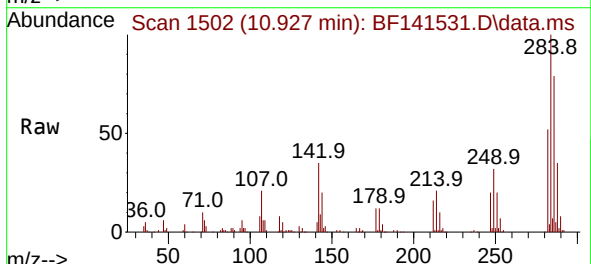
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

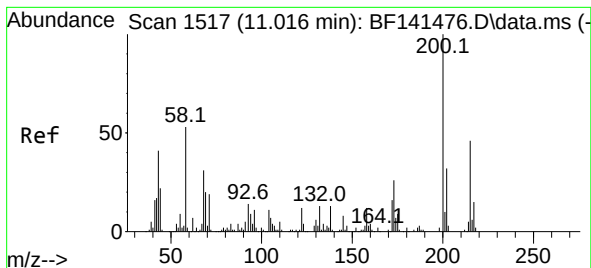
Tgt Ion:248 Resp: 144175
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 81.1 60.6 90.8



#68
Hexachlorobenzene
Concen: 40.874 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:284 Resp: 147297
Ion Ratio Lower Upper
284 100
142 34.6 28.0 42.0
249 32.5 25.8 38.8





#69

Atrazine

Concen: 37.940 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

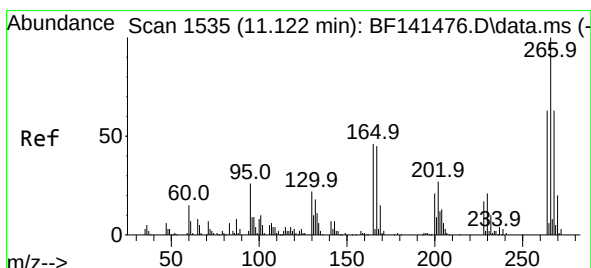
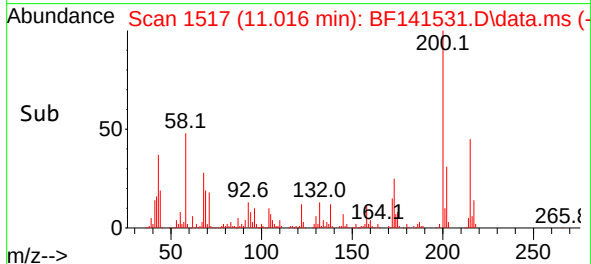
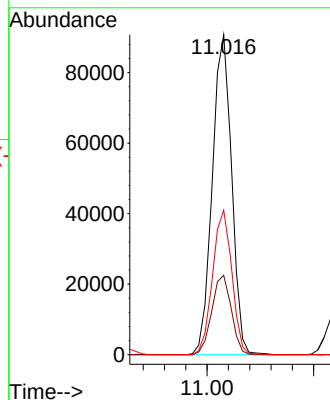
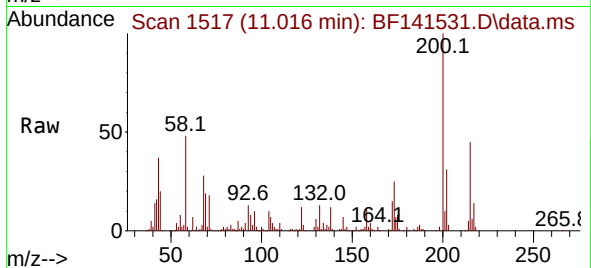
Tgt Ion:200 Resp: 114088

Ion Ratio Lower Upper

200 100

173 24.8 5.9 45.9

215 45.1 25.9 65.9



#70

Pentachlorophenol

Concen: 37.449 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

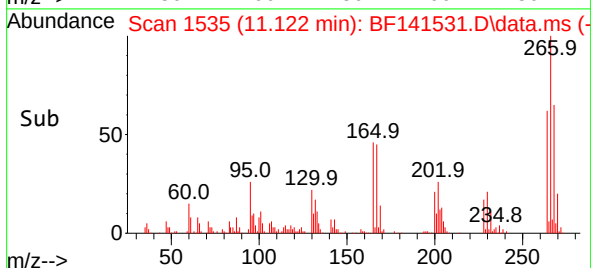
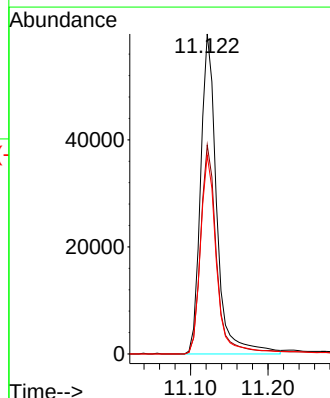
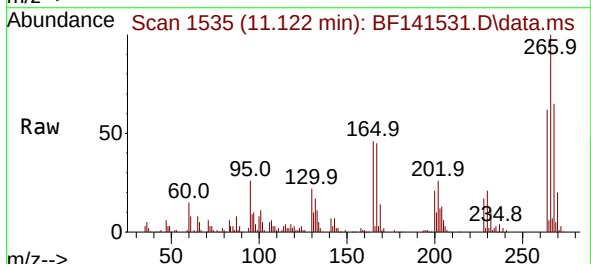
Tgt Ion:266 Resp: 86291

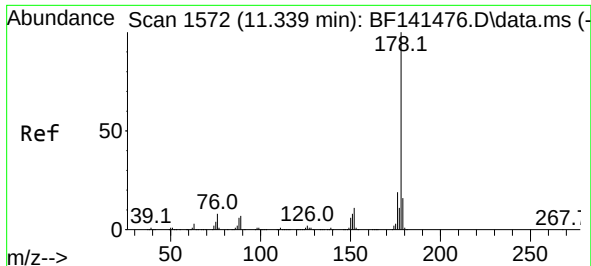
Ion Ratio Lower Upper

266 100

268 65.3 50.1 75.1

264 62.1 50.1 75.1

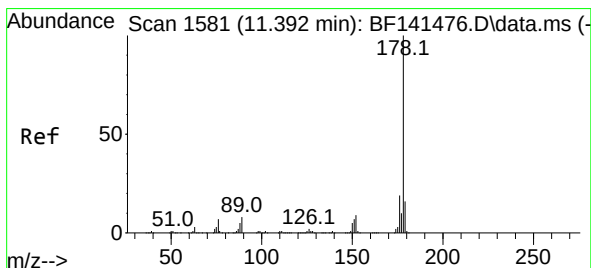
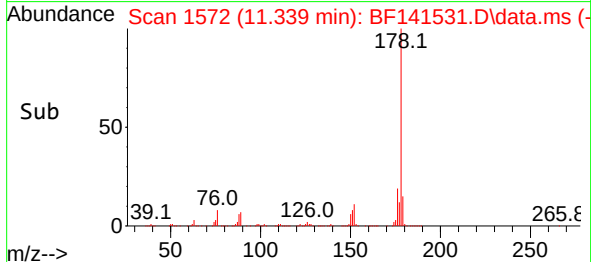
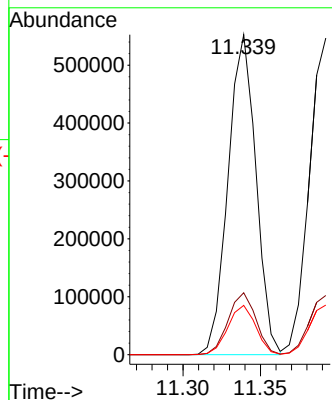
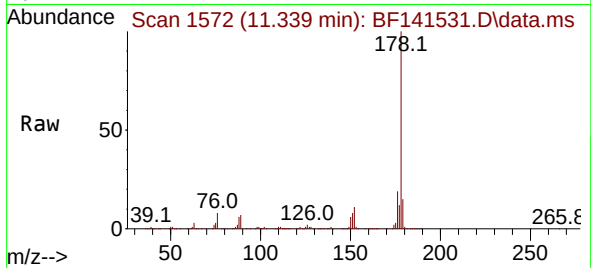




#71
Phenanthrene
Concen: 40.095 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

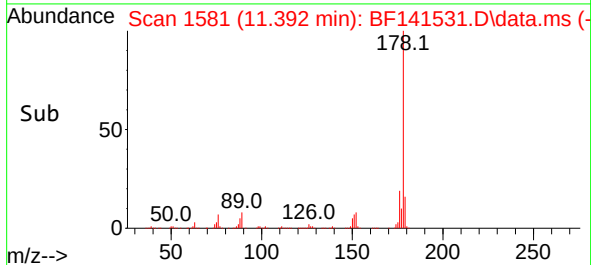
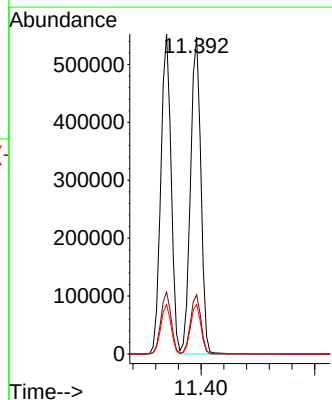
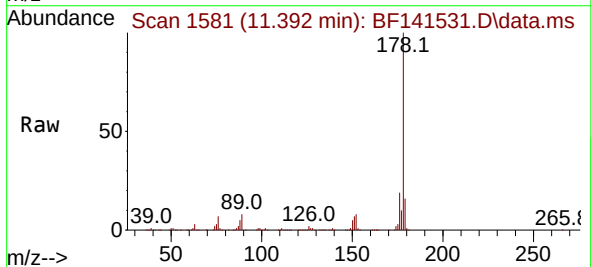
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

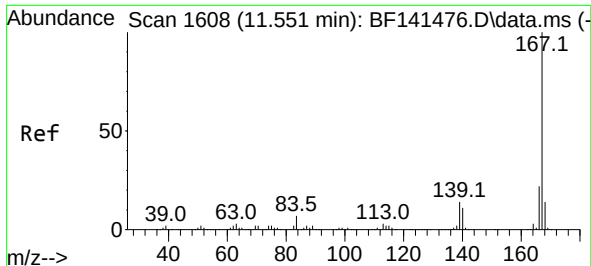
Tgt Ion:178 Resp: 691100
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 40.071 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:178 Resp: 694305
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.7 12.4 18.6

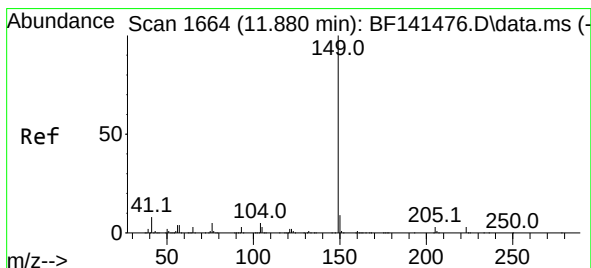
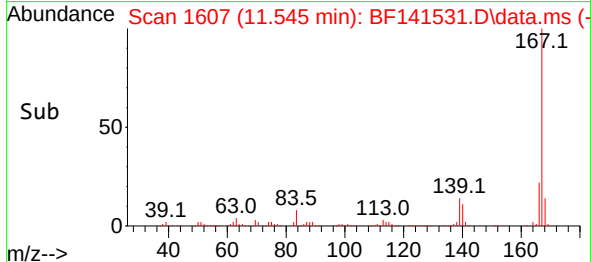
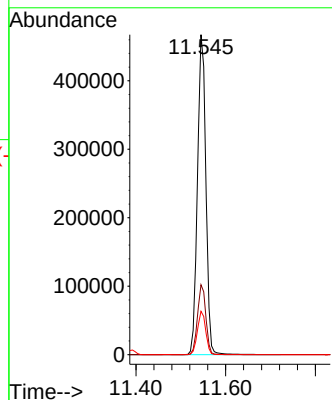
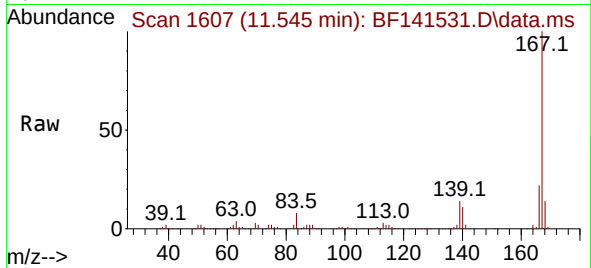




#73
Carbazole
Concen: 39.007 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

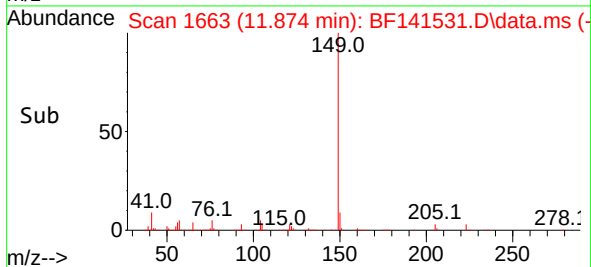
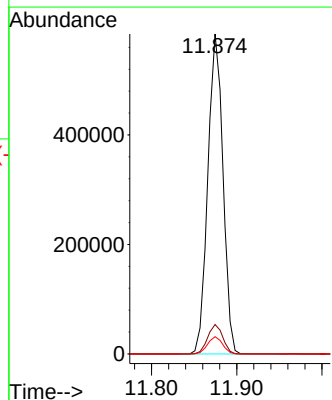
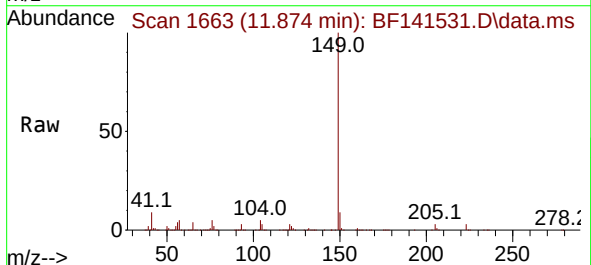
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

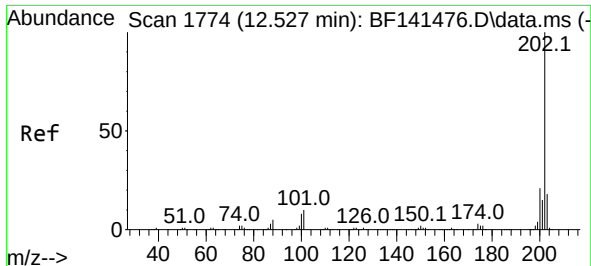
Tgt Ion:167 Resp: 608137
Ion Ratio Lower Upper
167 100
166 21.9 17.4 26.2
139 13.5 10.9 16.3



#74
Di-n-butylphthalate
Concen: 40.113 ng
RT: 11.874 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 722112
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.4 4.2 6.2

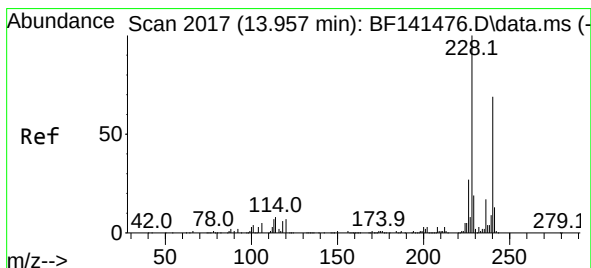
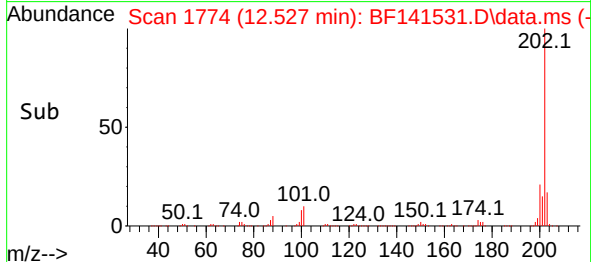
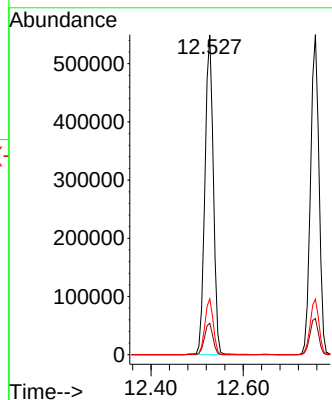
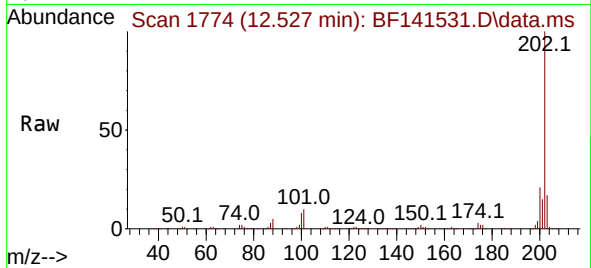




#75
Fluoranthene
Concen: 38.350 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

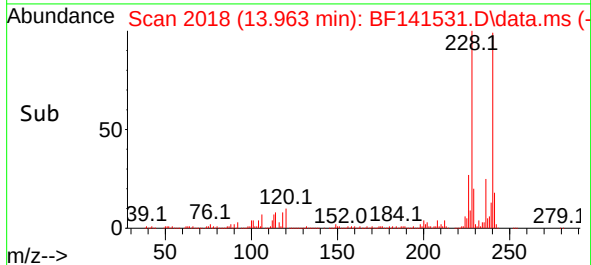
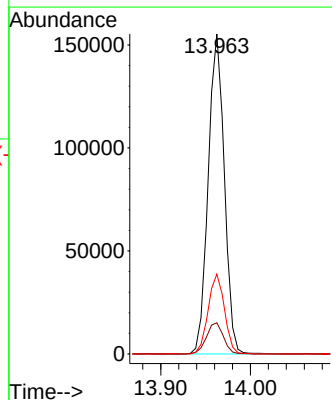
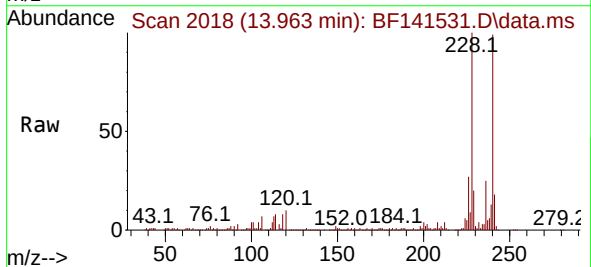
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

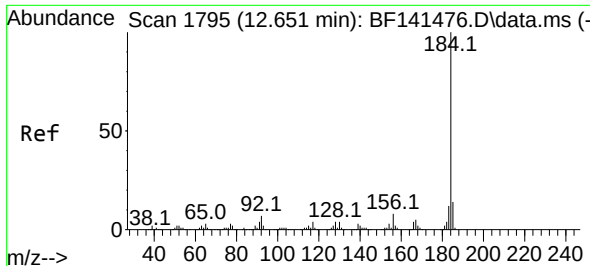
Tgt Ion:202 Resp: 700802
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:240 Resp: 193608
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 24.9 19.8 29.8

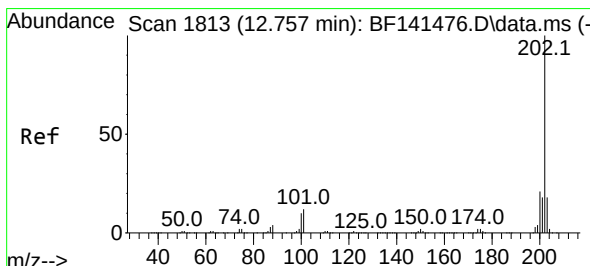
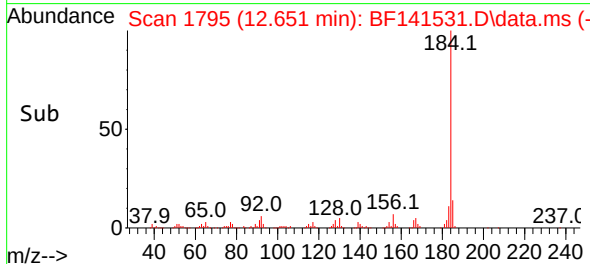
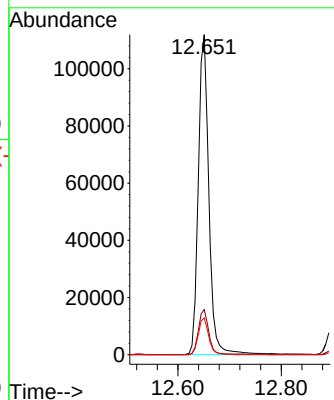
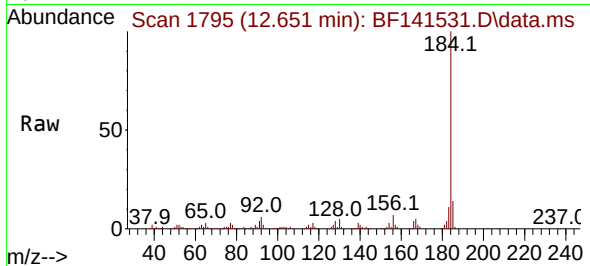




#77
Benzidine
Concen: 37.236 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

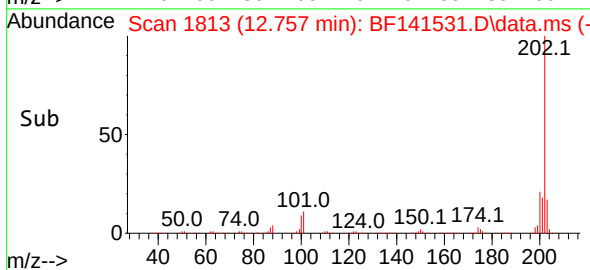
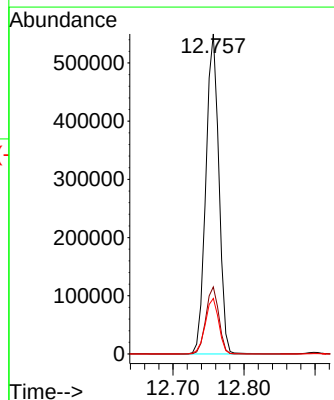
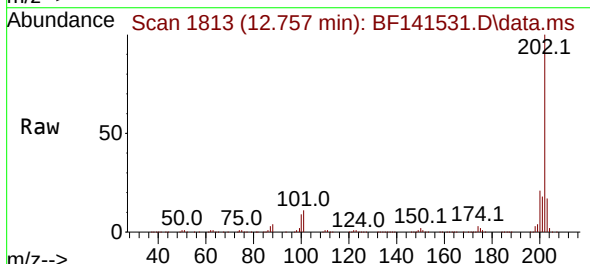
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

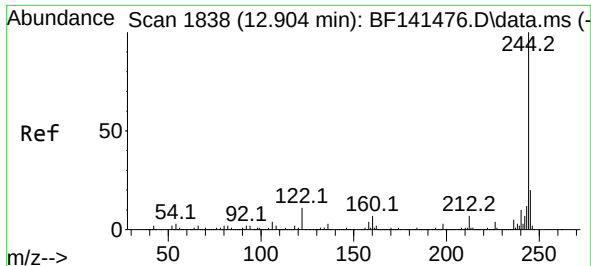
Tgt Ion:184 Resp: 158992
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.5 9.3 13.9



#78
Pyrene
Concen: 42.509 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:202 Resp: 700603
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.4 14.3 21.5

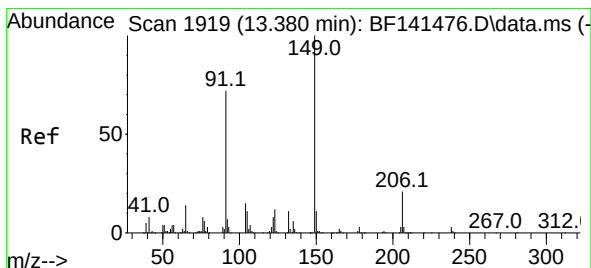
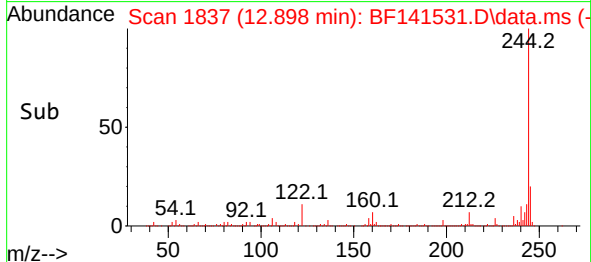
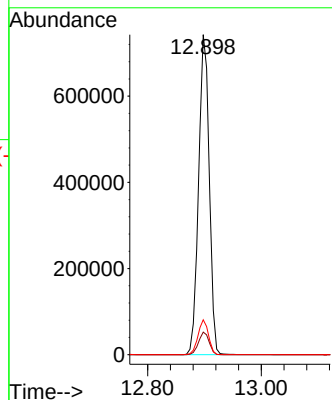
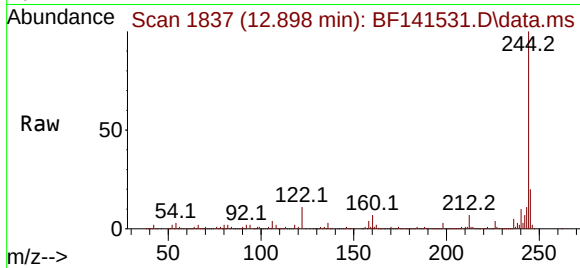




#79
 Terphenyl-d14
 Concen: 84.606 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

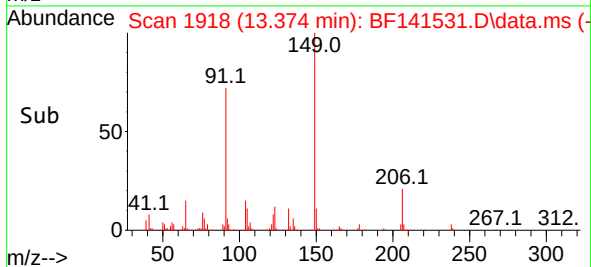
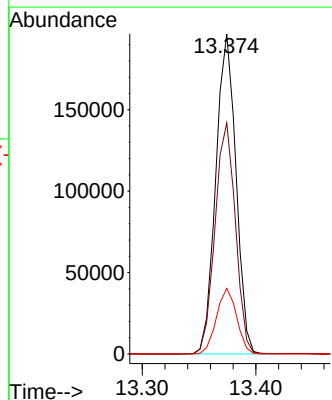
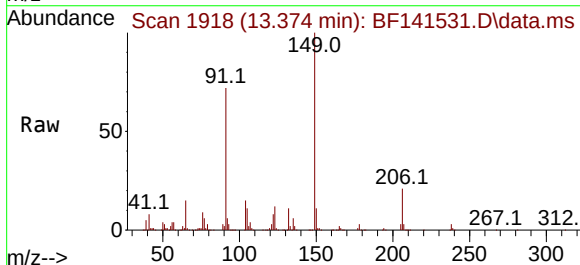
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

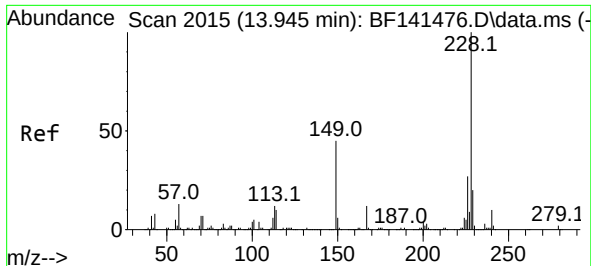
Tgt Ion:244 Resp: 970304
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 10.9 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 42.551 ng
 RT: 13.374 min Scan# 1918
 Delta R.T. -0.006 min
 Lab File: BF141531.D
 Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 242906
 Ion Ratio Lower Upper
 149 100
 91 72.2 57.8 86.8
 206 20.5 16.7 25.1

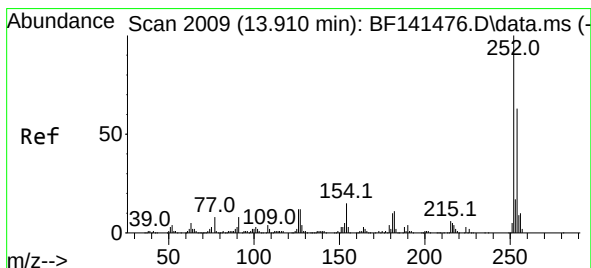
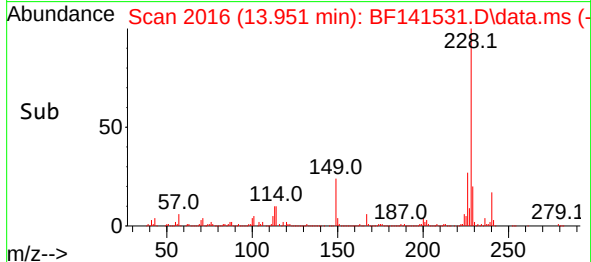
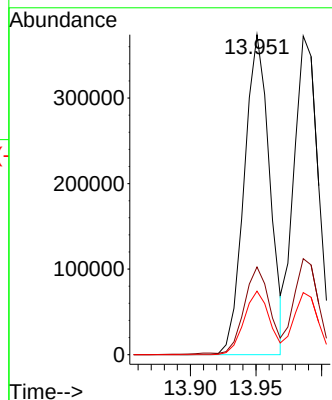
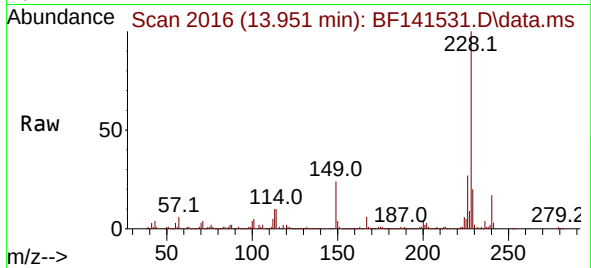




#81
Benzo(a)anthracene
Concen: 39.246 ng
RT: 13.951 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

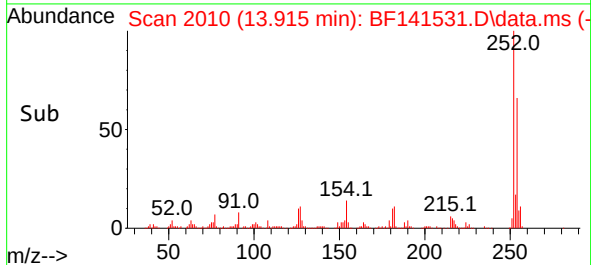
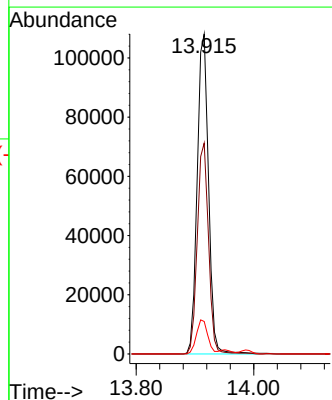
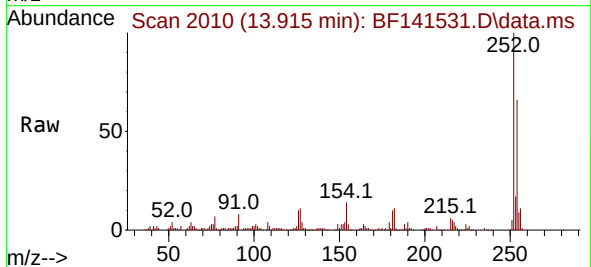
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

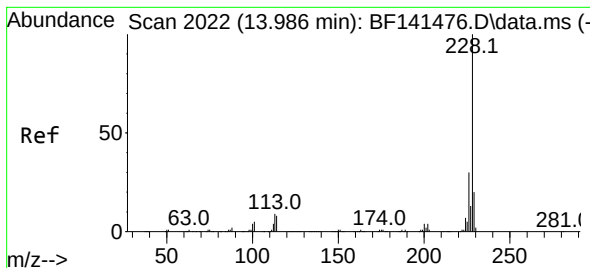
Tgt Ion:228 Resp: 505085
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 19.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.165 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 144386
Ion Ratio Lower Upper
252 100
254 65.9 50.6 76.0
126 10.1 9.3 13.9





#83

Chrysene

Concen: 40.265 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

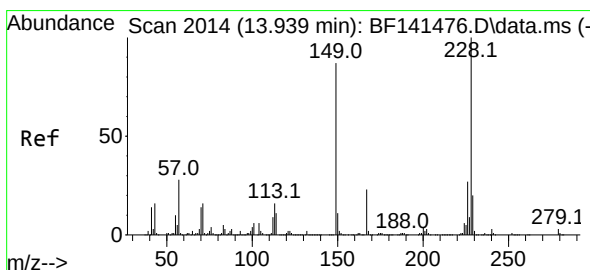
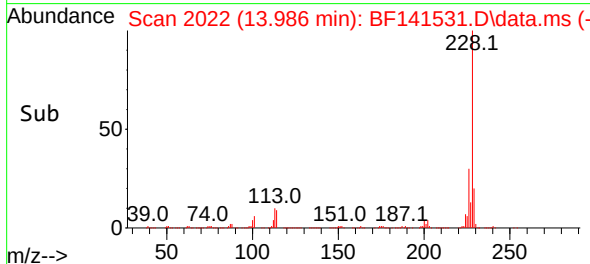
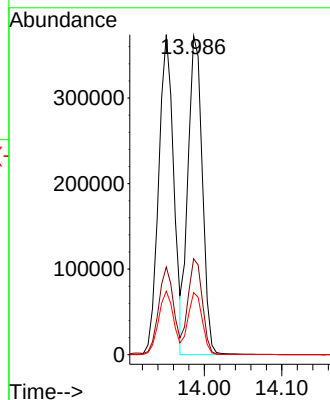
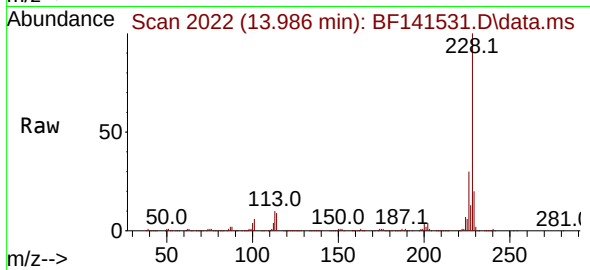
Tgt Ion:228 Resp: 478477

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 19.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.402 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

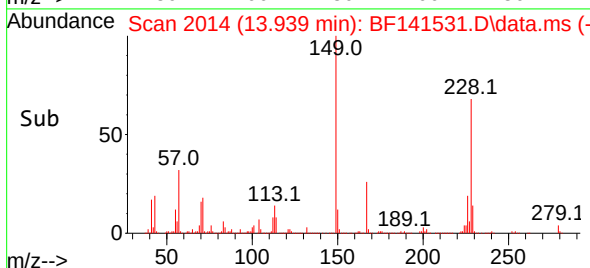
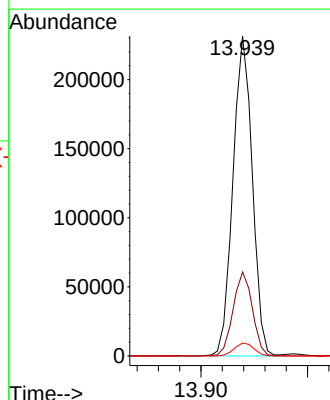
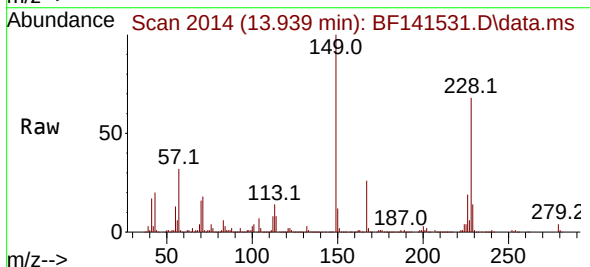
Tgt Ion:149 Resp: 292322

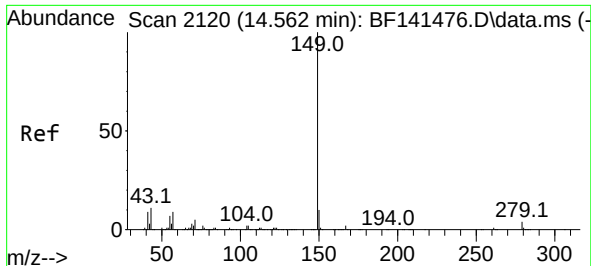
Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.0

279 4.1 3.1 4.7

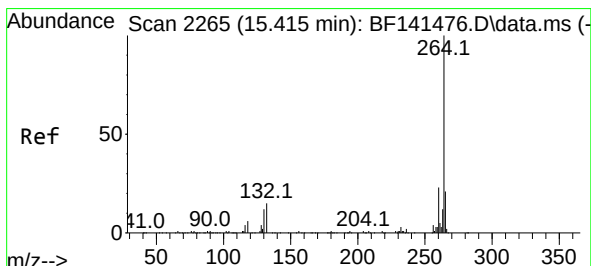
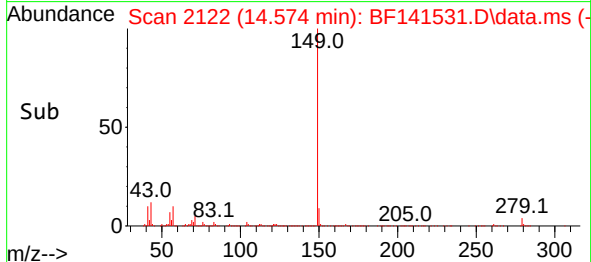
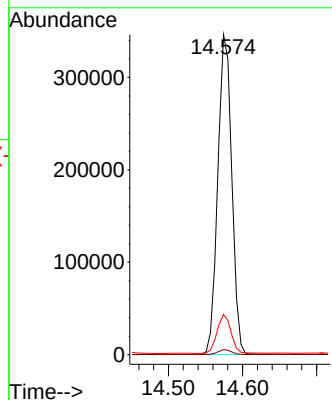
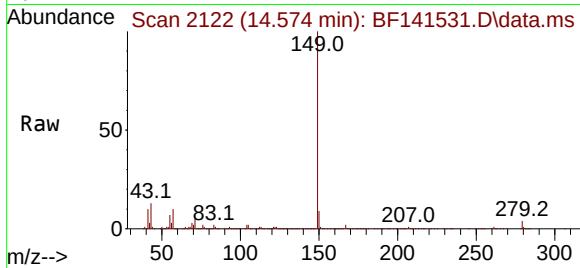




#85
Di-n-octyl phthalate
Concen: 49.334 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

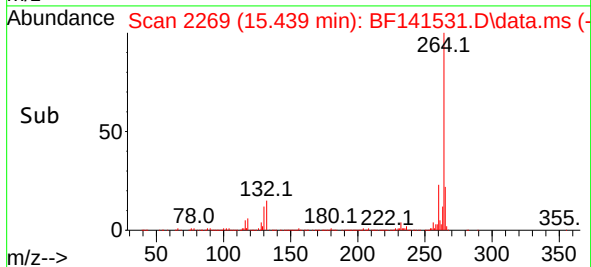
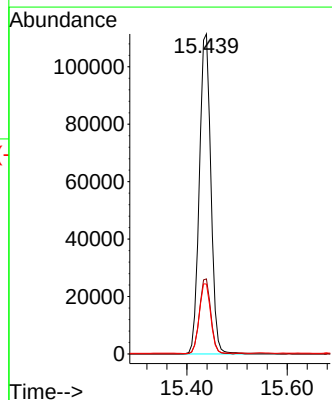
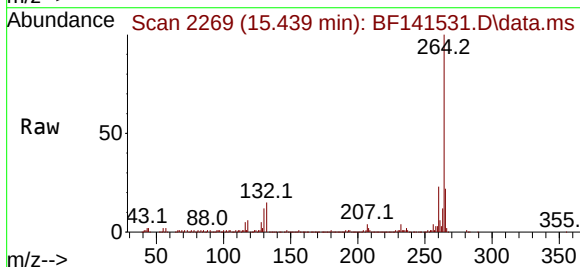
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

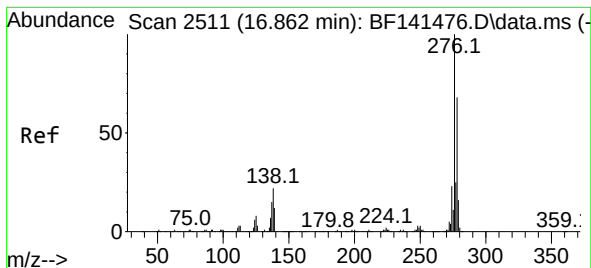
Tgt Ion:149 Resp: 453134
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.5 14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:264 Resp: 177316
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.037 ng

RT: 16.886 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

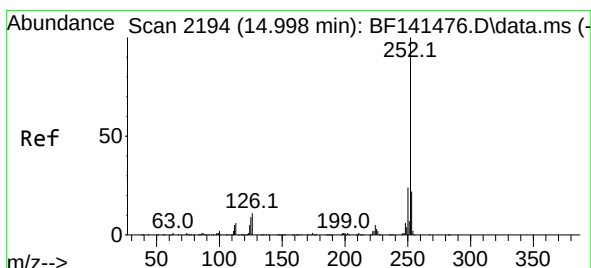
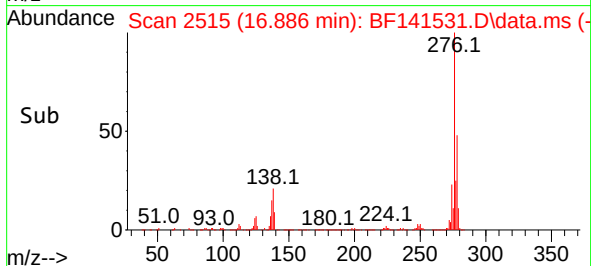
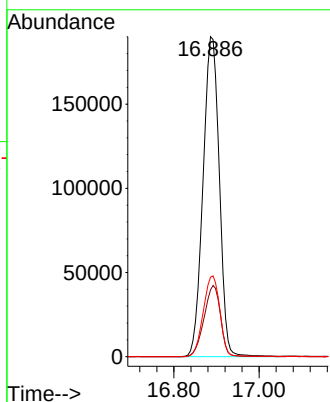
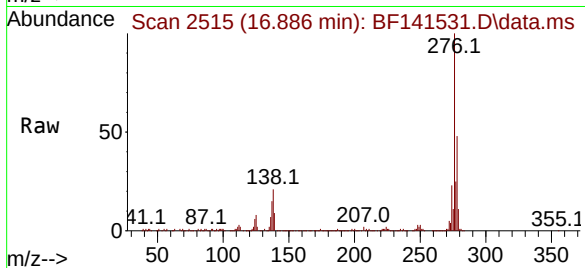
Tgt Ion:276 Resp: 504388

Ion Ratio Lower Upper

276 100

138 22.5 18.0 27.0

277 25.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 41.209 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

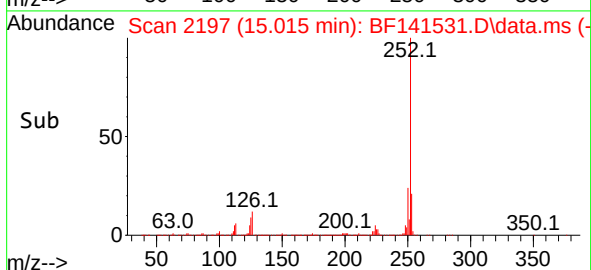
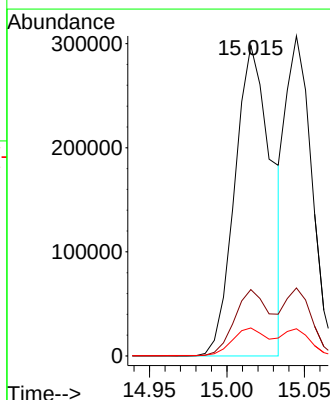
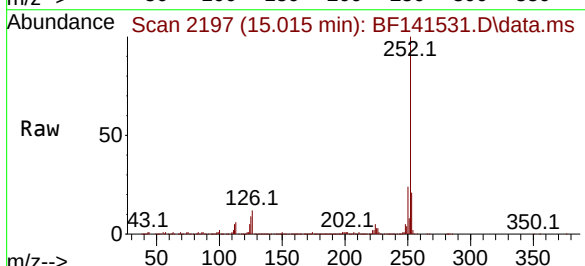
Tgt Ion:252 Resp: 490636

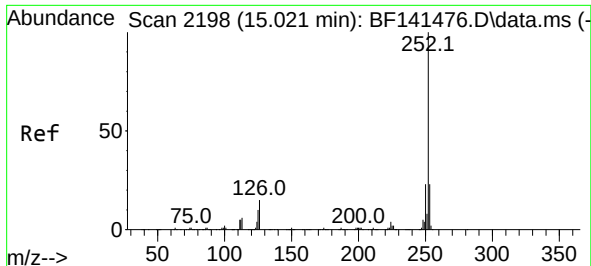
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 9.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 35.313 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

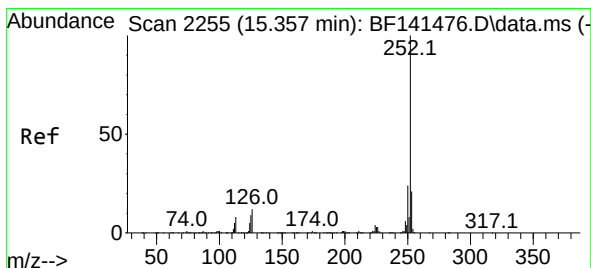
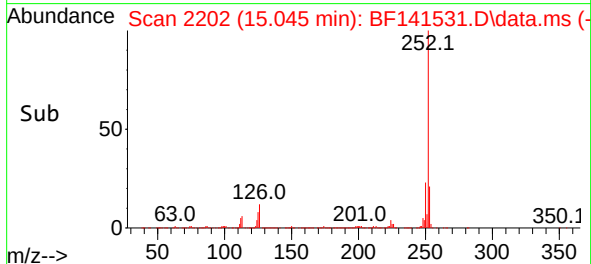
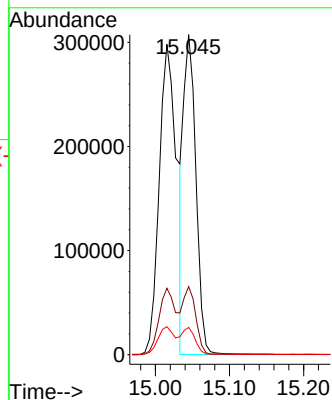
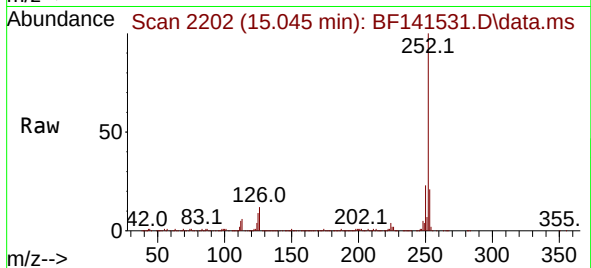
Tgt Ion:252 Resp: 359014

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

125 8.5 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.851 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141531.D

Acq: 10 Feb 2025 11:34

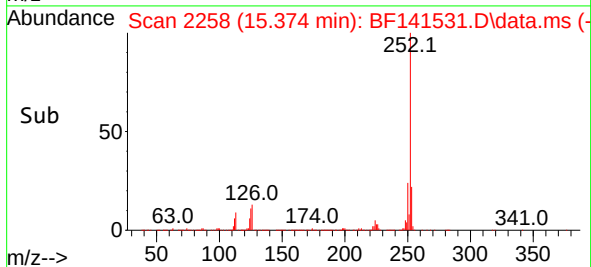
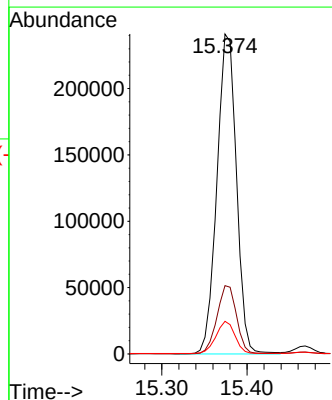
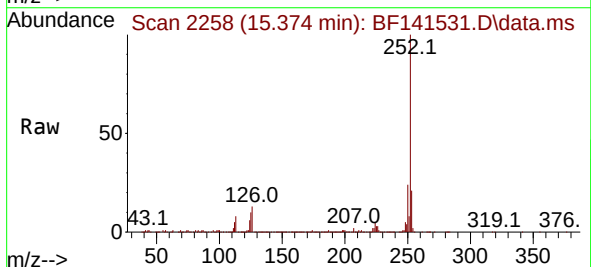
Tgt Ion:252 Resp: 383923

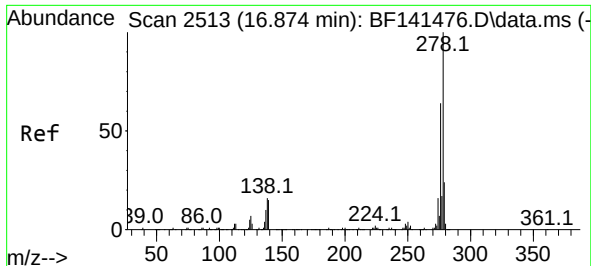
Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

125 10.2 7.4 11.2

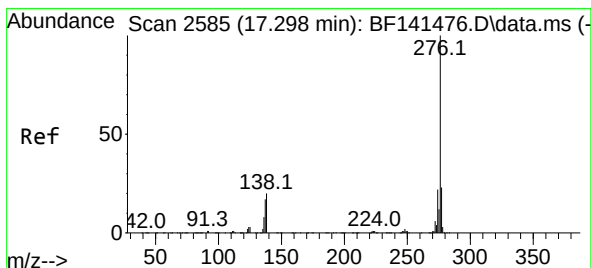
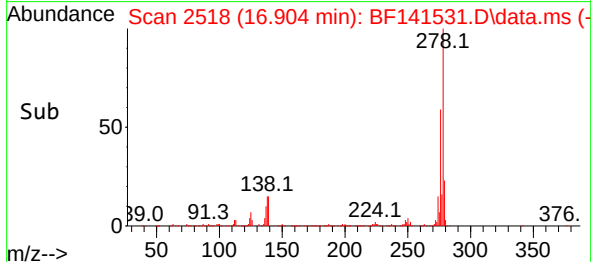
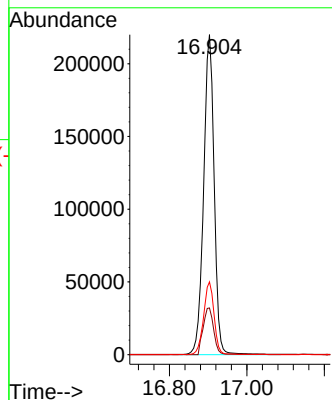
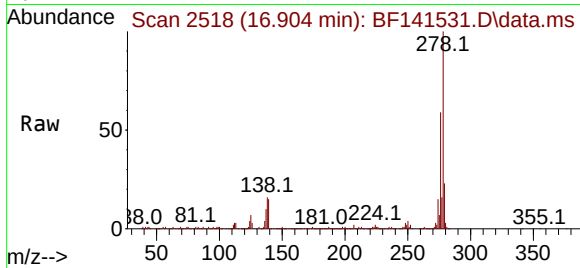




#91
Dibenzo(a,h)anthracene
Concen: 46.809 ng
RT: 16.904 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

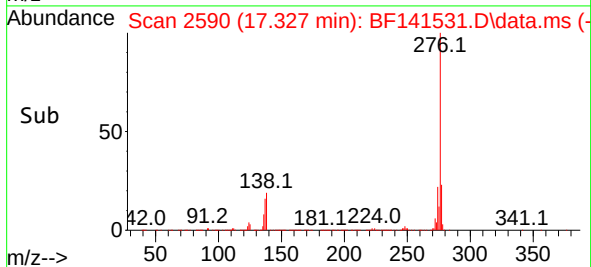
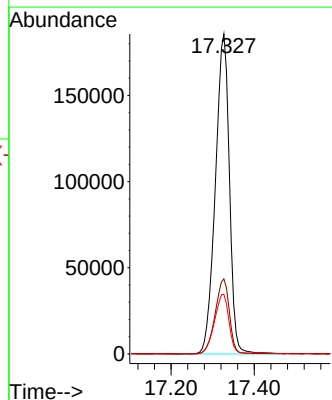
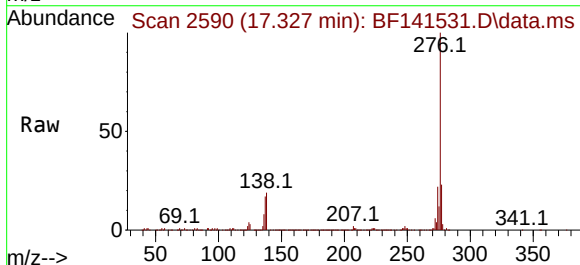
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 415551
Ion Ratio Lower Upper
278 100
139 14.6 11.8 17.6
279 22.7 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 46.843 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:276 Resp: 435173
Ion Ratio Lower Upper
276 100
277 23.5 18.6 28.0
138 18.6 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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	0.513	0.497	3.1	99	-0.01
3	Pyridine	1.222	1.210	1.0	98	0.00
4	n-Nitrosodimethylamine	0.809	0.801	1.0	101	-0.03
5 S	2-Fluorophenol	1.276	1.279	-0.2	102	0.00
6	Aniline	1.513	1.489	1.6	99	-0.01
7 S	Phenol-d6	1.612	1.566	2.9	100	0.00
8	2-Chlorophenol	1.378	1.349	2.1	101	0.00
9	Benzaldehyde	0.857	0.700	18.3	88	0.00
10 C	Phenol	1.678	1.634	2.6	100	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.230	2.5	100	0.00
12	1,3-Dichlorobenzene	1.455	1.443	0.8	103	0.00
13 C	1,4-Dichlorobenzene	1.487	1.451	2.4	101	0.00
14	1,2-Dichlorobenzene	1.380	1.379	0.1	103	0.00
15	Benzyl Alcohol	1.236	1.220	1.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.142	0.7	102	0.00
17	2-Methylphenol	1.079	1.053	2.4	100	0.00
18	Hexachloroethane	0.550	0.559	-1.6	104	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.933	3.2	99	-0.01
20	3+4-Methylphenols	1.371	1.322	3.6	99	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	Acetophenone	0.498	0.483	3.0	99	0.00
23 S	Nitrobenzene-d5	0.383	0.378	1.3	100	0.00
24	Nitrobenzene	0.374	0.366	2.1	99	0.00
25	Isophorone	0.611	0.596	2.5	99	0.00
26 C	2-Nitrophenol	0.186	0.187	-0.5	98	0.00
27	2,4-Dimethylphenol	0.217	0.215	0.9	98	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.387	1.3	99	0.00
29 C	2,4-Dichlorophenol	0.294	0.288	2.0	99	0.00
30	1,2,4-Trichlorobenzene	0.320	0.317	0.9	102	0.00
31	Naphthalene	1.041	1.032	0.9	101	0.00
32	Benzoic acid	0.226	0.196	13.3	87	-0.04
33	4-Chloroaniline	0.363	0.347	4.4	97	-0.01
34 C	Hexachlorobutadiene	0.192	0.197	-2.6	104	0.00
35	Caprolactam	0.089	0.087	2.2	95	-0.03
36 C	4-Chloro-3-methylphenol	0.325	0.317	2.5	97	0.00
37	2-Methylnaphthalene	0.677	0.665	1.8	101	0.00
38	1-Methylnaphthalene	0.656	0.639	2.6	99	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.580	-0.2	99	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.179	6.8	87	0.00
42 S	2,4,6-Tribromophenol	0.201	0.194	3.5	96	0.00
43 C	2,4,6-Trichlorophenol	0.374	0.374	0.0	99	0.00
44	2,4,5-Trichlorophenol	0.405	0.398	1.7	96	0.00
45 S	2-Fluorobiphenyl	1.298	1.277	1.6	100	0.00
46	1,1'-Biphenyl	1.551	1.532	1.2	99	0.00
47	2-Chloronaphthalene	1.147	1.143	0.3	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141531.D
 Acq On : 10 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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	0.373	3.1	95	0.00
49	Acenaphthylene	1.705	1.674	1.8	98	0.00
50	Dimethylphthalate	1.358	1.328	2.2	98	-0.01
51	2,6-Dinitrotoluene	0.297	0.284	4.4	94	0.00
52 C	Acenaphthene	1.147	1.121	2.3	97	0.00
53	3-Nitroaniline	0.319	0.306	4.1	95	0.00
54 P	2,4-Dinitrophenol	0.176	0.162	8.0	91	0.00
55	Dibenzofuran	1.683	1.647	2.1	98	0.00
56 P	4-Nitrophenol	0.237	0.223	5.9	89	-0.01
57	2,4-Dinitrotoluene	0.395	0.379	4.1	95	0.00
58	Fluorene	1.301	1.275	2.0	98	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.335	4.0	96	0.00
60	Diethylphthalate	1.336	1.307	2.2	98	0.00
61	4-Chlorophenyl-phenylether	0.626	0.625	0.2	100	0.00
62	4-Nitroaniline	0.324	0.303	6.5	90	-0.02
63	Azobenzene	1.328	1.306	1.7	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.133	4.3	87	0.00
66 c	n-Nitrosodiphenylamine	0.640	0.652	-1.9	97	-0.01
67	4-Bromophenyl-phenylether	0.224	0.230	-2.7	97	0.00
68	Hexachlorobenzene	0.230	0.235	-2.2	96	0.00
69	Atrazine	0.192	0.182	5.2	92	0.00
70 C	Pentachlorophenol	0.147	0.138	6.1	83	0.00
71	Phenanthrene	1.101	1.104	-0.3	95	0.00
72	Anthracene	1.107	1.109	-0.2	95	0.00
73	Carbazole	0.996	0.971	2.5	92	0.00
74	Di-n-butylphthalate	1.150	1.153	-0.3	94	0.00
75 C	Fluoranthene	1.167	1.119	4.1	90	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77	Benzydine	0.441	0.411	6.8	67	0.00
78	Pyrene	1.703	1.809	-6.2	89	0.00
79 S	Terphenyl-d14	1.185	1.253	-5.7	90	0.00
80	Butylbenzylphthalate	0.590	0.627	-6.3	88	0.00
81	Benzo(a)anthracene	1.329	1.304	1.9	83	0.00
82	3,3'-Dichlorobenzidine	0.381	0.373	2.1	85	0.00
83	Chrysene	1.228	1.236	-0.7	88	0.00
84	Bis(2-ethylhexyl)phthalate	0.665	0.755	-13.5	94	0.00
85 c	Di-n-octyl phthalate	0.949	1.170	-23.3#	104	0.01
86 I	Perylene-d12	1.000	1.000	0.0	97	0.02
87	Indeno(1,2,3-cd)pyrene	1.236	1.422	-15.0	107	0.01
88	Benzo(b)fluoranthene	1.343	1.384	-3.1	100	0.01
89	Benzo(k)fluoranthene	1.147	1.012	11.8	86	0.01
90 C	Benzo(a)pyrene	1.087	1.083	0.4	97	0.01
91	Dibenzo(a,h)anthracene	1.001	1.172	-17.1	108	0.01
92	Benzo(g,h,i)perylene	1.048	1.227	-17.1	108	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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	38.728	3.2	99	-0.01
3	Pyridine	40.000	39.606	1.0	98	0.00
4	n-Nitrosodimethylamine	40.000	39.614	1.0	101	-0.03
5 S	2-Fluorophenol	80.000	80.176	-0.2	102	0.00
6	Aniline	40.000	39.376	1.6	99	-0.01
7 S	Phenol-d6	80.000	77.687	2.9	100	0.00
8	2-Chlorophenol	40.000	39.158	2.1	101	0.00
9	Benzaldehyde	40.000	32.674	18.3	88	0.00
10 C	Phenol	40.000	38.940	2.7	100	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.036	2.4	100	0.00
12	1,3-Dichlorobenzene	40.000	39.668	0.8	103	0.00
13 C	1,4-Dichlorobenzene	40.000	39.023	2.4	101	0.00
14	1,2-Dichlorobenzene	40.000	39.967	0.1	103	0.00
15	Benzyl Alcohol	40.000	39.473	1.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.715	0.7	102	0.00
17	2-Methylphenol	40.000	39.034	2.4	100	0.00
18	Hexachloroethane	40.000	40.642	-1.6	104	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.706	3.2	99	-0.01
20	3+4-Methylphenols	40.000	38.569	3.6	99	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22	Acetophenone	40.000	38.827	2.9	99	0.00
23 S	Nitrobenzene-d5	80.000	78.840	1.4	100	0.00
24	Nitrobenzene	40.000	39.108	2.2	99	0.00
25	Isophorone	40.000	38.993	2.5	99	0.00
26 C	2-Nitrophenol	40.000	40.102	-0.3	98	0.00
27	2,4-Dimethylphenol	40.000	39.519	1.2	98	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.467	1.3	99	0.00
29 C	2,4-Dichlorophenol	40.000	39.280	1.8	99	0.00
30	1,2,4-Trichlorobenzene	40.000	39.705	0.7	102	0.00
31	Naphthalene	40.000	39.639	0.9	101	0.00
32	Benzoic acid	40.000	34.738	13.2	87	-0.04
33	4-Chloroaniline	40.000	38.208	4.5	97	-0.01
34 C	Hexachlorobutadiene	40.000	41.054	-2.6	104	0.00
35	Caprolactam	40.000	38.739	3.2	95	-0.03
36 C	4-Chloro-3-methylphenol	40.000	38.947	2.6	97	0.00
37	2-Methylnaphthalene	40.000	39.242	1.9	101	0.00
38	1-Methylnaphthalene	40.000	38.931	2.7	99	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.116	-0.3	99	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.172	7.1	87	0.00
42 S	2,4,6-Tribromophenol	80.000	77.122	3.6	96	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.950	0.1	99	0.00
44	2,4,5-Trichlorophenol	40.000	39.281	1.8	96	0.00
45 S	2-Fluorobiphenyl	80.000	78.674	1.7	100	0.00
46	1,1'-Biphenyl	40.000	39.517	1.2	99	0.00
47	2-Chloronaphthalene	40.000	39.887	0.3	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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	38.822	2.9	95	0.00
49	Acenaphthylene	40.000	39.253	1.9	98	0.00
50	Dimethylphthalate	40.000	39.112	2.2	98	-0.01
51	2,6-Dinitrotoluene	40.000	38.236	4.4	94	0.00
52 C	Acenaphthene	40.000	39.100	2.2	97	0.00
53	3-Nitroaniline	40.000	38.310	4.2	95	0.00
54 P	2,4-Dinitrophenol	40.000	36.647	8.4	91	0.00
55	Dibenzofuran	40.000	39.157	2.1	98	0.00
56 P	4-Nitrophenol	40.000	37.656	5.9	89	-0.01
57	2,4-Dinitrotoluene	40.000	38.351	4.1	95	0.00
58	Fluorene	40.000	39.202	2.0	98	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.428	3.9	96	0.00
60	Diethylphthalate	40.000	39.149	2.1	98	0.00
61	4-Chlorophenyl-phenylether	40.000	39.967	0.1	100	0.00
62	4-Nitroaniline	40.000	37.408	6.5	90	-0.02
63	Azobenzene	40.000	39.338	1.7	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	38.398	4.0	87	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.759	-1.9	97	-0.01
67	4-Bromophenyl-phenylether	40.000	41.197	-3.0	97	0.00
68	Hexachlorobenzene	40.000	40.874	-2.2	96	0.00
69	Atrazine	40.000	37.940	5.2	92	0.00
70 C	Pentachlorophenol	40.000	37.449	6.4	83	0.00
71	Phenanthrene	40.000	40.095	-0.2	95	0.00
72	Anthracene	40.000	40.071	-0.2	95	0.00
73	Carbazole	40.000	39.007	2.5	92	0.00
74	Di-n-butylphthalate	40.000	40.113	-0.3	94	0.00
75 C	Fluoranthene	40.000	38.350	4.1	90	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77	Benzydine	40.000	37.236	6.9	67	0.00
78	Pyrene	40.000	42.509	-6.3	89	0.00
79 S	Terphenyl-d14	80.000	84.606	-5.8	90	0.00
80	Butylbenzylphthalate	40.000	42.551	-6.4	88	0.00
81	Benzo(a)anthracene	40.000	39.246	1.9	83	0.00
82	3,3'-Dichlorobenzidine	40.000	39.165	2.1	85	0.00
83	Chrysene	40.000	40.265	-0.7	88	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.402	-13.5	94	0.00
85 c	Di-n-octyl phthalate	40.000	49.334	-23.3#	104	0.01
86 I	Perylene-d12	20.000	20.000	0.0	97	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	46.037	-15.1	107	0.01
88	Benzo(b)fluoranthene	40.000	41.209	-3.0	100	0.01
89	Benzo(k)fluoranthene	40.000	35.313	11.7	86	0.01
90 C	Benzo(a)pyrene	40.000	39.851	0.4	97	0.01
91	Dibenzo(a,h)anthracene	40.000	46.809	-17.0	108	0.01
92	Benzo(g,h,i)perylene	40.000	46.843	-17.1	108	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.265		-0.9	
Benzaldehyde	0.857	0.753		-12.1	
Phenol-d6	1.612	1.593		-1.2	
Phenol	1.678	1.648		-1.8	20.0
bis(2-Chloroethyl)ether	1.261	1.246		-1.2	
2-Chlorophenol	1.378	1.375		-0.2	
2-Methylphenol	1.079	1.043		-3.3	
2,2-oxybis(1-Chloropropane)	2.158	2.126		-1.5	
Acetophenone	0.498	0.484		-2.8	
3+4-Methylphenols	1.371	1.332		-2.8	
n-Nitroso-di-n-propylamine	0.964	0.956	0.050	-0.8	
Nitrobenzene-d5	0.383	0.379		-1.0	
Hexachloroethane	0.550	0.547		-0.5	
Nitrobenzene	0.374	0.368		-1.6	
Isophorone	0.611	0.609		-0.3	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.217	0.221		1.8	
bis(2-Chloroethoxy)methane	0.392	0.398		1.5	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	1.041	1.028		-1.2	
4-Chloroaniline	0.363	0.326		-10.2	
Hexachlorobutadiene	0.192	0.193		0.5	20.0
Caprolactam	0.089	0.091		2.2	
4-Chloro-3-methylphenol	0.325	0.324		-0.3	20.0
2-Methylnaphthalene	0.677	0.671		-0.9	
Hexachlorocyclopentadiene	0.192	0.181	0.050	-5.7	
2,4,6-Trichlorophenol	0.374	0.373		-0.3	20.0
2-Fluorobiphenyl	1.298	1.271		-2.1	
2,4,5-Trichlorophenol	0.405	0.401		-1.0	
1,1-Biphenyl	1.551	1.544		-0.5	
2-Chloronaphthalene	1.147	1.123		-2.1	
2-Nitroaniline	0.385	0.372		-3.4	
Dimethylphthalate	1.358	1.360		0.1	
Acenaphthylene	1.705	1.686		-1.1	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.310		-2.8	
Acenaphthene	1.147	1.121		-2.3	20.0
2,4-Dinitrophenol	0.176	0.181	0.050	2.8	
4-Nitrophenol	0.237	0.233	0.050	-1.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.653		-1.8	
2,4-Dinitrotoluene	0.395	0.398		0.8	
Diethylphthalate	1.336	1.353		1.3	
4-Chlorophenyl-phenylether	0.626	0.620		-1.0	
Fluorene	1.301	1.291		-0.8	
4-Nitroaniline	0.324	0.324		0.0	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.634		-0.9	20.0
2,4,6-Tribromophenol	0.201	0.201		0.0	
4-Bromophenyl-phenylether	0.224	0.226		0.9	
Hexachlorobenzene	0.230	0.230		0.0	
Atrazine	0.192	0.174		-9.4	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.067		-3.1	
Anthracene	1.107	1.091		-1.4	
Carbazole	0.996	0.961		-3.5	
Di-n-butylphthalate	1.150	1.169		1.7	
Fluoranthene	1.167	1.112		-4.7	20.0
Pyrene	1.703	1.914		12.4	
Terphenyl-d14	1.185	1.330		12.2	
Butylbenzylphthalate	0.590	0.654		10.8	
3,3-Dichlorobenzidine	0.381	0.368		-3.4	
Benzo (a) anthracene	1.329	1.313		-1.2	
Chrysene	1.228	1.216		-1.0	
Bis (2-ethylhexyl) phthalate	0.665	0.741		11.4	
Di-n-octyl phthalate	0.949	1.040		9.6	20.0
Benzo (b) fluoranthene	1.343	1.314		-2.2	
Benzo (k) fluoranthene	1.147	1.062		-7.4	
Benzo (a) pyrene	1.087	1.065		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.357		9.8	
Dibenzo (a,h) anthracene	1.001	1.106		10.5	
Benzo (g,h,i) perylene	1.048	1.156		10.3	
1,2,4,5-Tetrachlorobenzene	0.579	0.575		-0.7	
1,4-Dioxane	0.513	0.499		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.348		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141551.D
 Acq On : 11 Feb 2025 10:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	100982	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	399334	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	220290	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	380364	20.000	ng	0.00
76) Chrysene-d12	13.957	240	221485	20.000	ng	0.00
86) Perylene-d12	15.410	264	189149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	511150	79.356	ng	0.00
7) Phenol-d6	6.434	99	643479	79.040	ng	0.00
23) Nitrobenzene-d5	7.357	82	605988	79.150	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	176794	79.892	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1120127	78.338	ng	0.00
79) Terphenyl-d14	12.898	244	1178679	89.840	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.481	88	100747	38.862	ng	99
3) Pyridine	3.216	79	247438	40.110	ng	100
4) n-Nitrosodimethylamine	3.169	42	157380	38.528	ng	98
6) Aniline	6.451	93	302324	39.588	ng	92
8) 2-Chlorophenol	6.581	128	277627	39.889	ng	99
9) Benzaldehyde	6.340	77	152087	35.155	ng	100
10) Phenol	6.445	94	332783	39.274	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	251570	39.527	ng	99
12) 1,3-Dichlorobenzene	6.728	146	294127	40.029	ng	98
13) 1,4-Dichlorobenzene	6.810	146	296503	39.495	ng	98
14) 1,2-Dichlorobenzene	6.963	146	276132	39.630	ng	100
15) Benzyl Alcohol	6.934	79	248245	39.763	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	429398	39.413	ng	98
17) 2-Methylphenol	7.051	107	210577	38.662	ng	99
18) Hexachloroethane	7.298	117	110474	39.762	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	193046	39.642	ng	97
20) 3+4-Methylphenols	7.204	107	269006	38.863	ng	95
22) Acetophenone	7.204	105	386258	38.884	ng	100
24) Nitrobenzene	7.375	77	294305	39.421	ng	99
25) Isophorone	7.616	82	486718	39.870	ng	99
26) 2-Nitrophenol	7.692	139	151129	40.688	ng	96
27) 2,4-Dimethylphenol	7.734	122	176787	40.742	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	317603	40.602	ng	100
29) 2,4-Dichlorophenol	7.939	162	235725	40.207	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	254617	39.881	ng	99
31) Naphthalene	8.098	128	820994	39.496	ng	100
32) Benzoic acid	7.863	122	171762	38.109	ng	100
33) 4-Chloroaniline	8.145	127	260705	35.922	ng	99
34) Hexachlorobutadiene	8.210	225	154125	40.212	ng	99
35) Caprolactam	8.522	113	72868	40.821	ng	96
36) 4-Chloro-3-methylphenol	8.634	107	258721	39.838	ng	99
37) 2-Methylnaphthalene	8.786	142	535507	39.589	ng	99
38) 1-Methylnaphthalene	8.886	142	513186	39.172	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	253153	39.721	ng	100
41) Hexachlorocyclopentadiene	8.934	237	79719	37.607	ng	97
43) 2,4,6-Trichlorophenol	9.069	196	164418	39.916	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141551.D
 Acq On : 11 Feb 2025 10:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

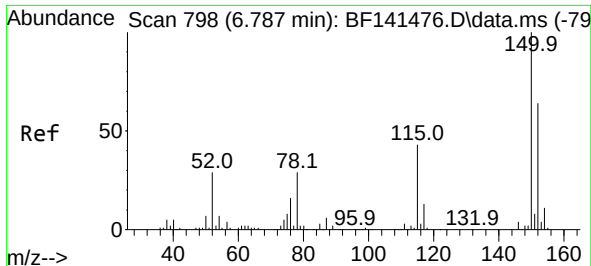
Quant Time: Feb 11 11:06:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	176666	39.574	ng	98
46) 1,1'-Biphenyl	9.251	154	680211	39.828	ng	100
47) 2-Chloronaphthalene	9.275	162	494742	39.175	ng	100
48) 2-Nitroaniline	9.375	65	163823	38.652	ng	95
49) Acenaphthylene	9.686	152	742913	39.549	ng	99
50) Dimethylphthalate	9.551	163	598973	40.052	ng	99
51) 2,6-Dinitrotoluene	9.616	165	129812	39.707	ng	99
52) Acenaphthene	9.863	154	494087	39.125	ng	99
53) 3-Nitroaniline	9.786	138	136720	38.855	ng	98
54) 2,4-Dinitrophenol	9.898	184	79744	41.042	ng	90
55) Dibenzofuran	10.033	168	728307	39.291	ng	100
56) 4-Nitrophenol	9.957	139	102589	39.275	ng	97
57) 2,4-Dinitrotoluene	10.022	165	175460	40.316	ng	99
58) Fluorene	10.375	166	568620	39.674	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	153425	39.919	ng	97
60) Diethylphthalate	10.251	149	596031	40.508	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	273368	39.647	ng	99
62) 4-Nitroaniline	10.398	138	142801	39.968	ng	98
63) Azobenzene	10.528	77	583738	39.907	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	105582	39.960	ng	94
66) n-Nitrosodiphenylamine	10.486	169	482640	39.639	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	172060	40.475	ng	98
68) Hexachlorobenzene	10.922	284	174724	39.915	ng	96
69) Atrazine	11.016	200	132082	36.159	ng	99
70) Pentachlorophenol	11.122	266	111889	39.974	ng	99
71) Phenanthrene	11.339	178	811492	38.758	ng	100
72) Anthracene	11.392	178	830102	39.440	ng	100
73) Carbazole	11.545	167	730698	38.584	ng	100
74) Di-n-butylphthalate	11.875	149	889622	40.683	ng	100
75) Fluoranthene	12.527	202	846154	38.119	ng	100
77) Benzidine	12.651	184	187856	38.458	ng	99
78) Pyrene	12.757	202	847654	44.958	ng	99
80) Butylbenzylphthalate	13.374	149	289726	44.364	ng	99
81) Benzo(a)anthracene	13.945	228	581807	39.517	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	162839	38.611	ng	98
83) Chrysene	13.980	228	538648	39.623	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	328143	44.551	ng	99
85) Di-n-octyl phthalate	14.557	149	460738	43.848	ng	100
87) Indeno(1,2,3-cd)pyrene	16.857	276	513192	43.910	ng	100
88) Benzo(b)fluoranthene	14.992	252	496986	39.131	ng	99
89) Benzo(k)fluoranthene	15.021	252	401654	37.036	ng	99
90) Benzo(a)pyrene	15.351	252	403008	39.215	ng	99
91) Dibenzo(a,h)anthracene	16.874	278	418333	44.174	ng	99
92) Benzo(g,h,i)perylene	17.298	276	437196	44.116	ng	99

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

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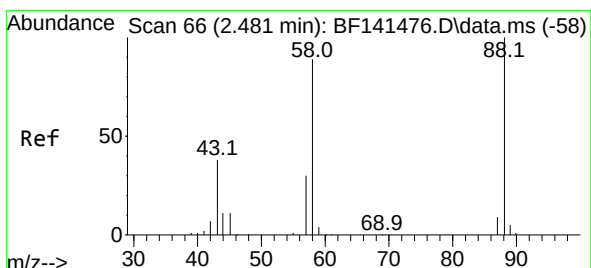
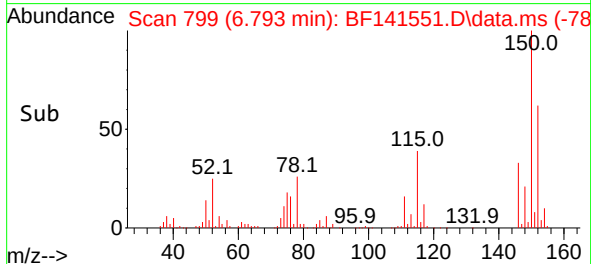
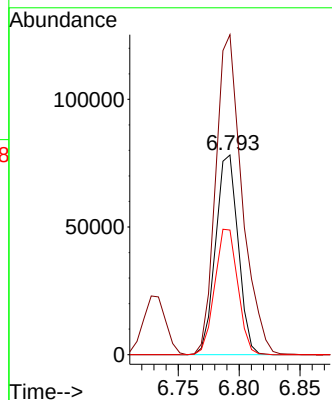
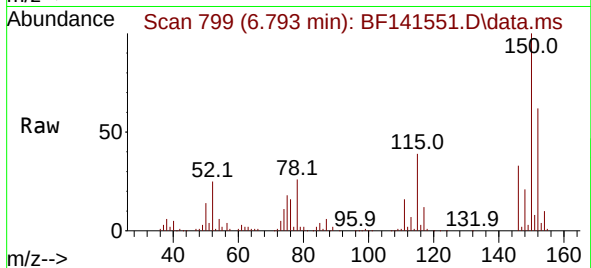
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 79
 Delta R.T. 0.001 min
 Lab File: BF141551.D
 Acq: 11 Feb 2025 10:28

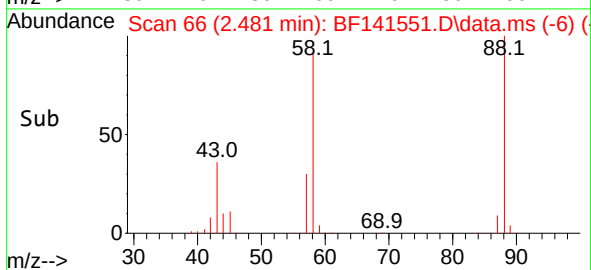
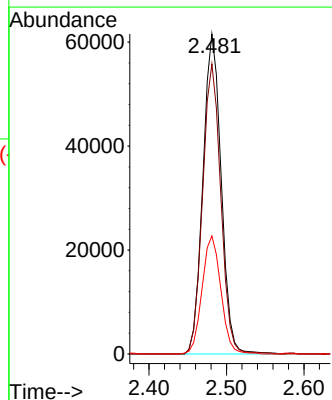
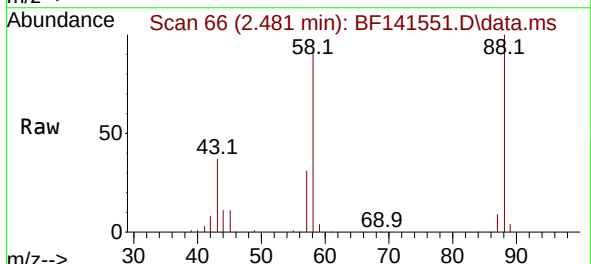
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

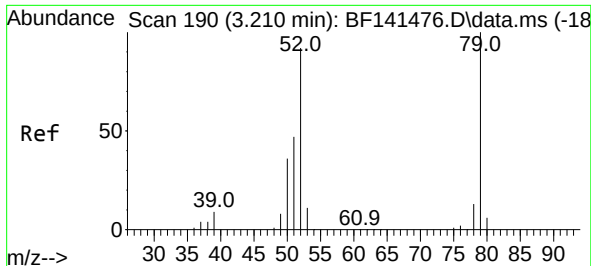
Tgt Ion:152 Resp: 100982
 Ion Ratio Lower Upper
 152 100
 150 160.2 125.0 187.4
 115 62.4 53.6 80.4



#2
 1,4-Dioxane
 Concen: 38.862 ng
 RT: 2.481 min Scan# 66
 Delta R.T. 0.000 min
 Lab File: BF141551.D
 Acq: 11 Feb 2025 10:28

Tgt Ion: 88 Resp: 100747
 Ion Ratio Lower Upper
 88 100
 58 90.3 71.1 106.7
 43 38.0 30.6 46.0

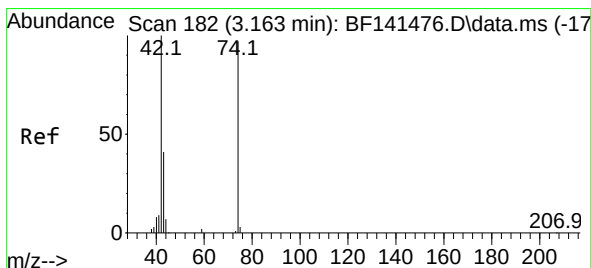
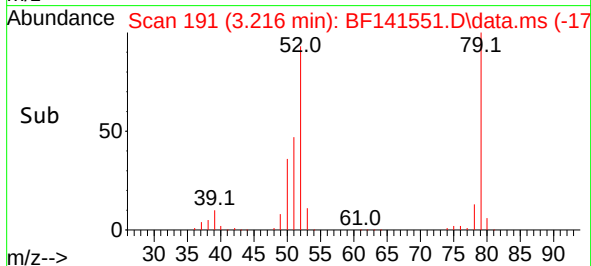
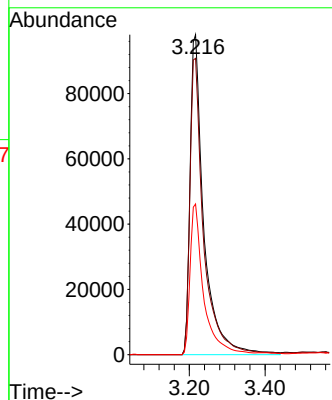
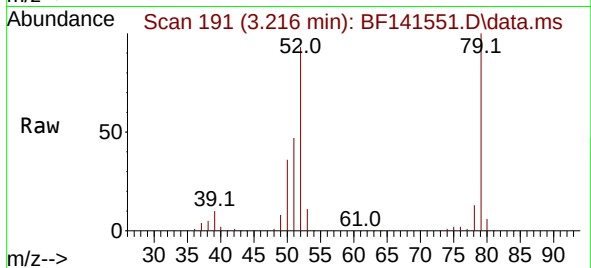




#3
Pyridine
Concen: 40.110 ng
RT: 3.216 min Scan# 190
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

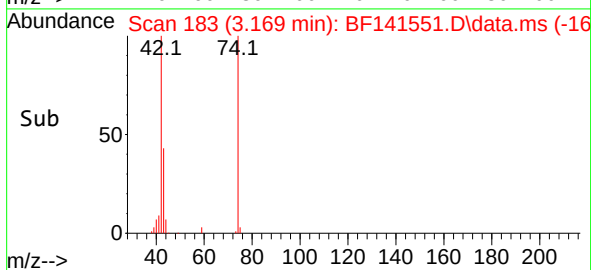
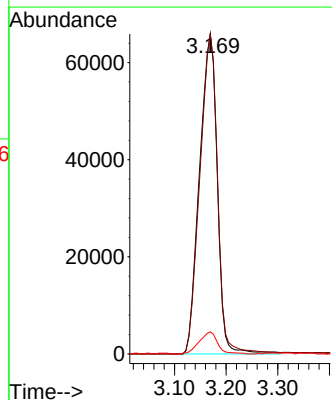
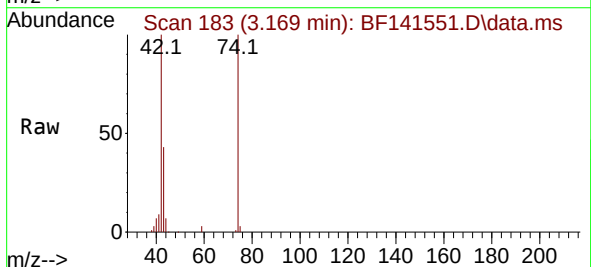
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

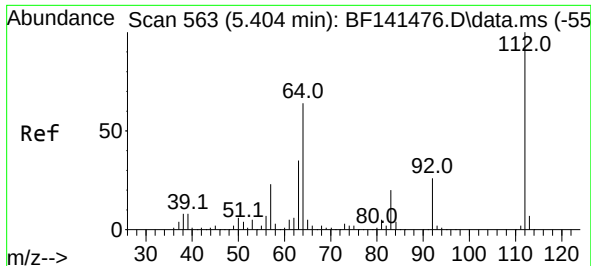
Tgt Ion: 79 Resp: 247438
Ion Ratio Lower Upper
79 100
52 92.6 73.7 110.5
51 47.1 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 38.528 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 42 Resp: 157380
Ion Ratio Lower Upper
42 100
74 99.9 78.0 117.0
44 6.9 5.4 8.2

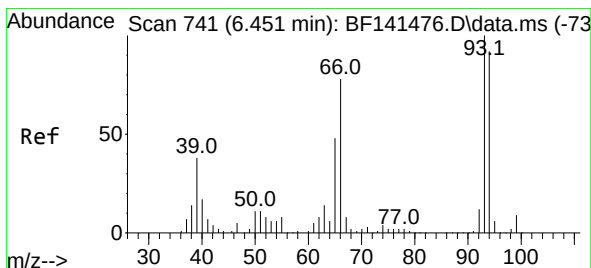
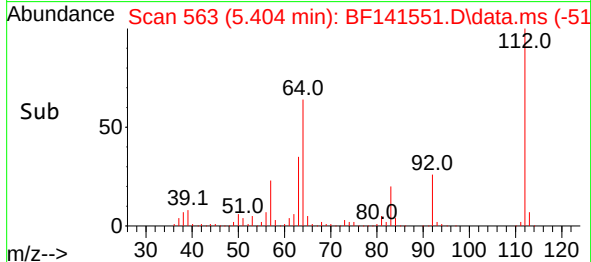
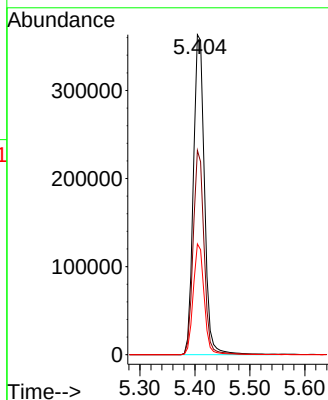
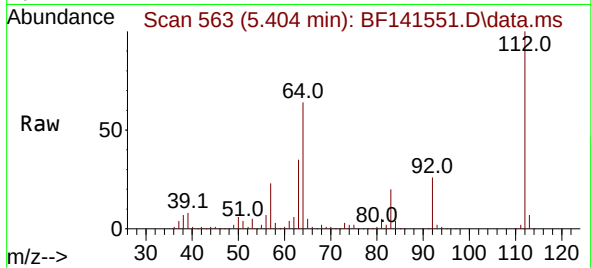




#5
2-Fluorophenol
Concen: 79.356 ng
RT: 5.404 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

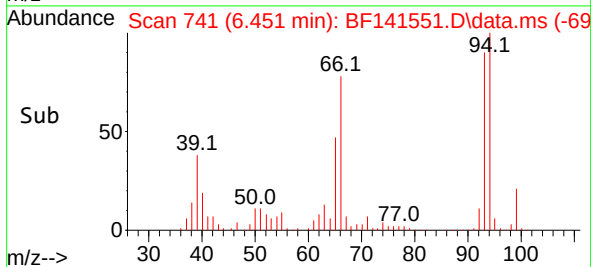
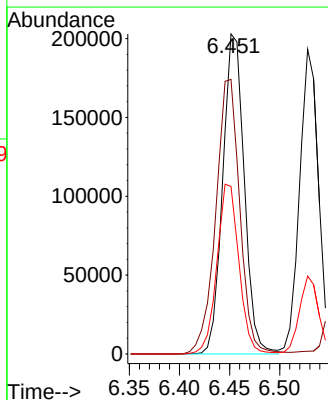
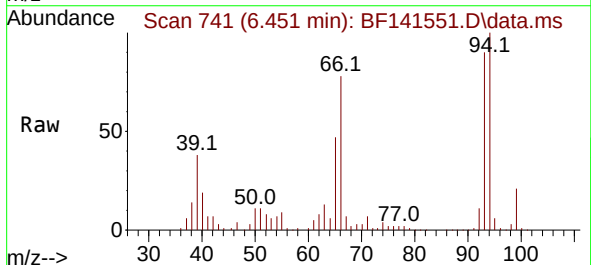
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

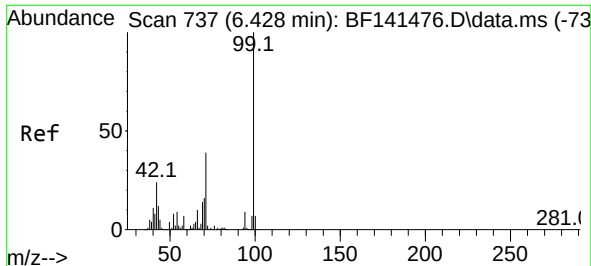
Tgt Ion:112 Resp: 511150
Ion Ratio Lower Upper
112 100
64 63.8 51.1 76.7
63 34.6 28.4 42.6



#6
Aniline
Concen: 39.588 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 302324
Ion Ratio Lower Upper
93 100
66 85.8 62.6 94.0
65 52.3 38.3 57.5

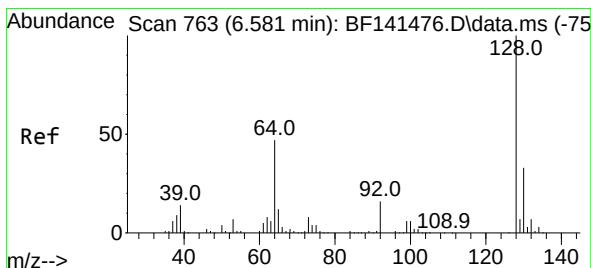
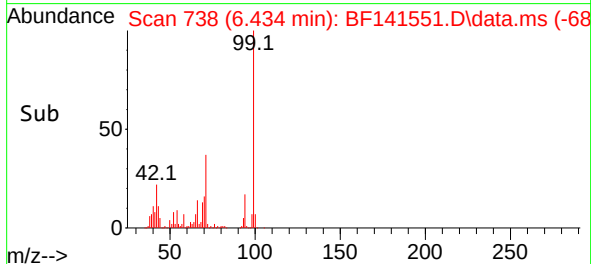
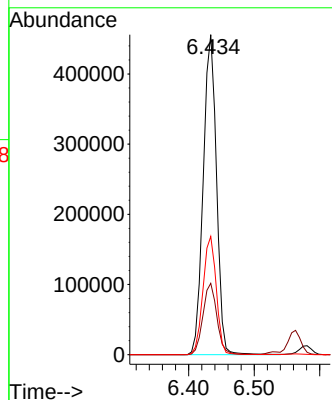
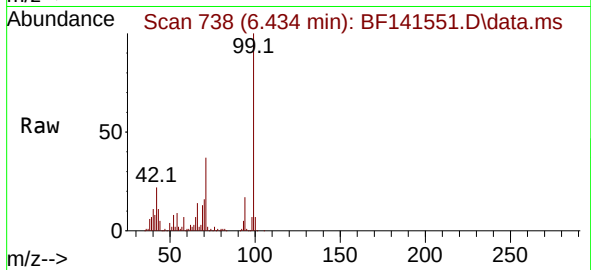




#7
Phenol-d6
Concen: 79.040 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

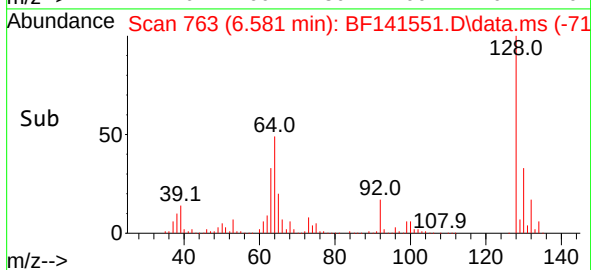
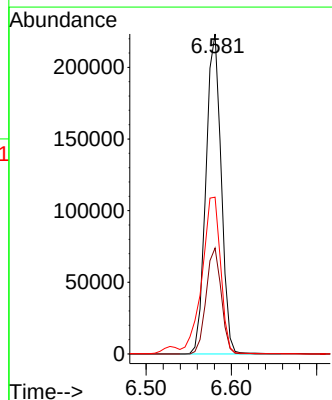
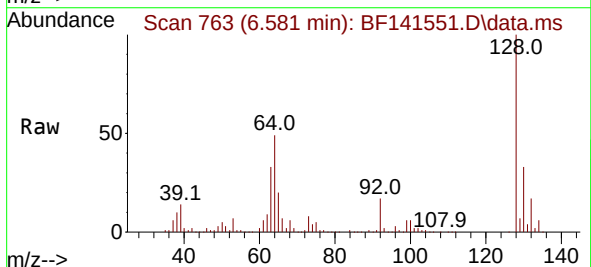
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

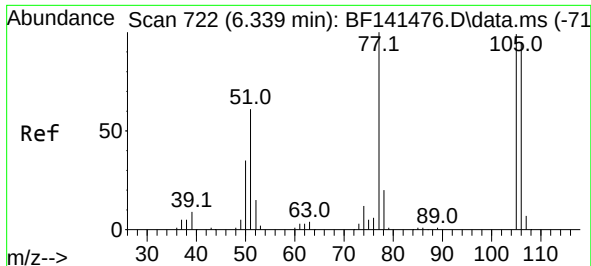
Tgt Ion: 99 Resp: 643479
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 37.0 31.1 46.7



#8
2-Chlorophenol
Concen: 39.889 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 128 Resp: 277627
Ion Ratio Lower Upper
128 100
130 33.1 12.7 52.7
64 49.0 28.3 68.3

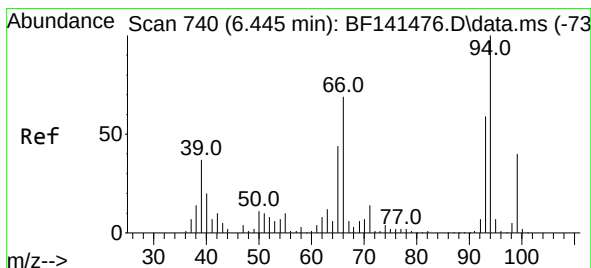
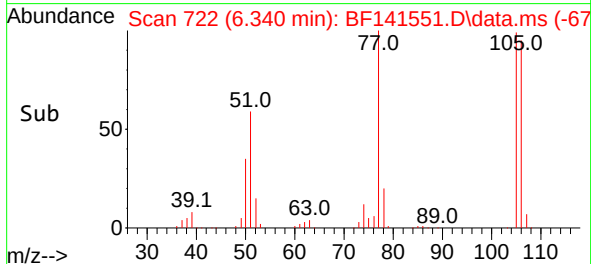
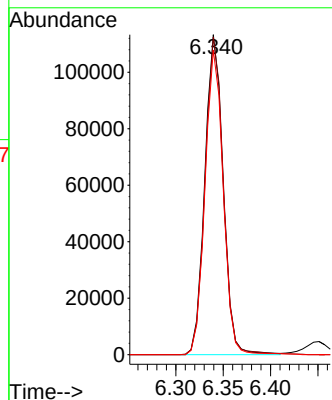
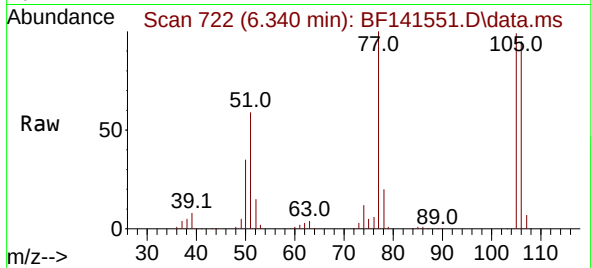




#9
Benzaldehyde
Concen: 35.155 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

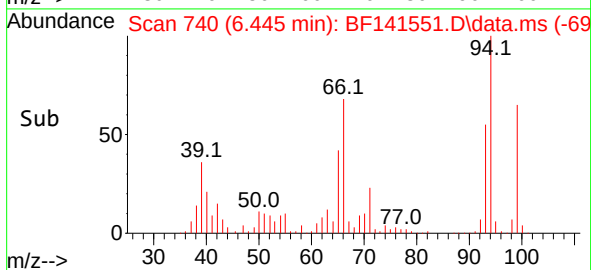
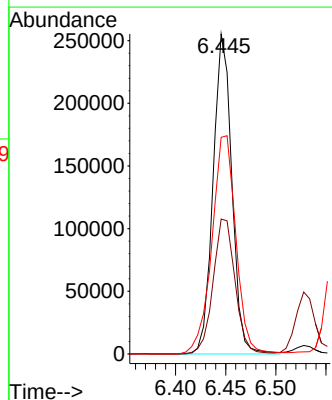
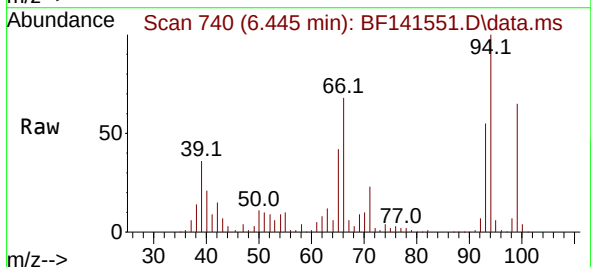
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

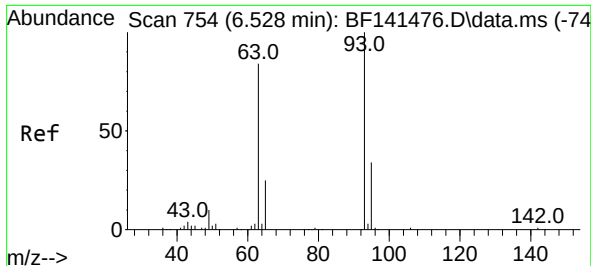
Tgt Ion: 77 Resp: 152087
Ion Ratio Lower Upper
77 100
105 99.3 79.4 119.4
106 95.2 75.1 115.1



#10
Phenol
Concen: 39.274 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 94 Resp: 332783
Ion Ratio Lower Upper
94 100
65 42.2 23.7 63.7
66 67.7 49.3 89.3

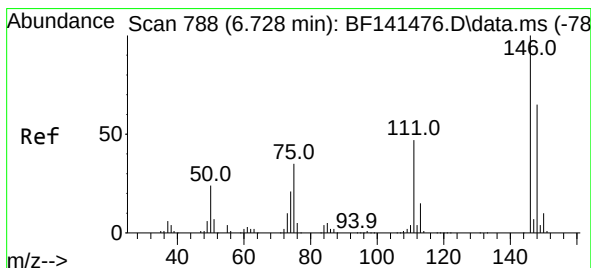
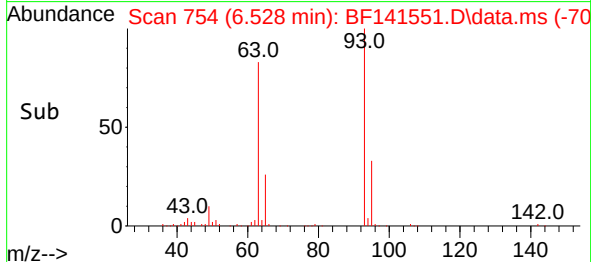
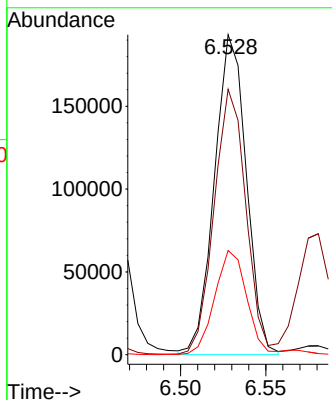
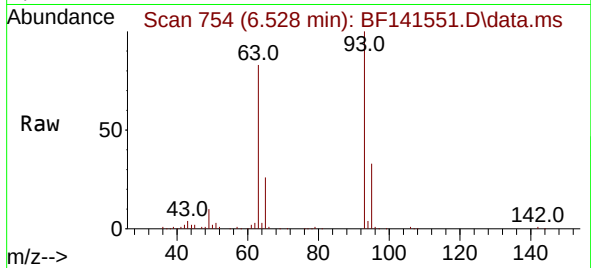




#11
bis(2-Chloroethyl)ether
Concen: 39.527 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

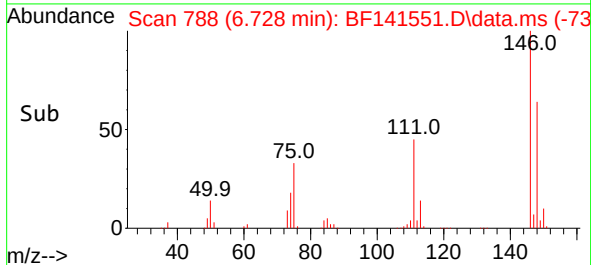
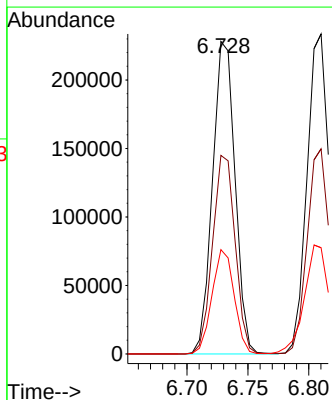
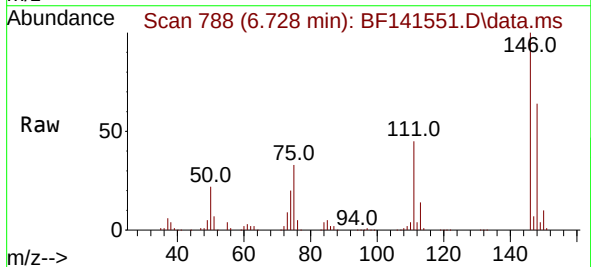
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

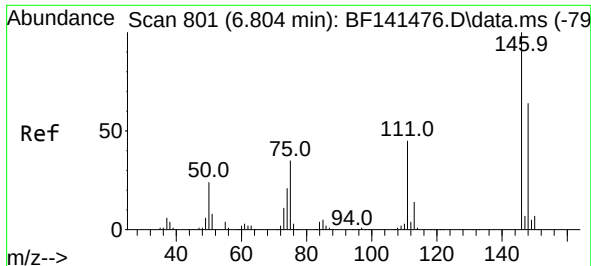
Tgt Ion: 93	Resp: 251570
Ion Ratio	Lower Upper
93 100	
63 82.9	62.0 102.0
95 32.6	12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.029 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:146	Resp: 294127		
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.9	77.9
75	33.4	28.2	42.2





#13

1,4-Dichlorobenzene

Concen: 39.495 ng

RT: 6.810 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

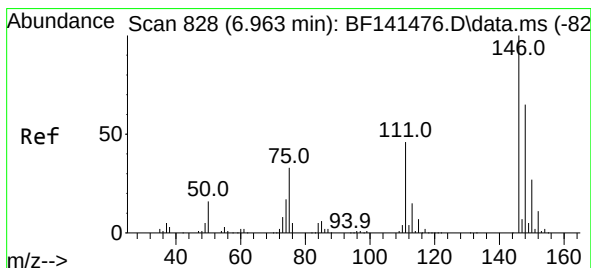
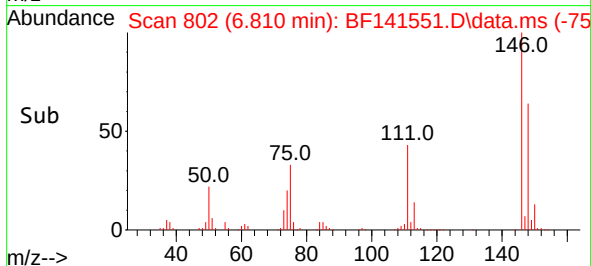
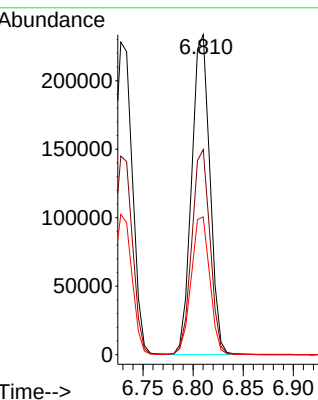
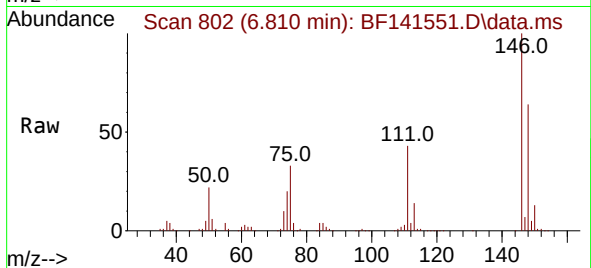
Tgt Ion:146 Resp: 296503

Ion Ratio Lower Upper

146 100

148 64.1 50.9 76.3

111 43.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 39.630 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

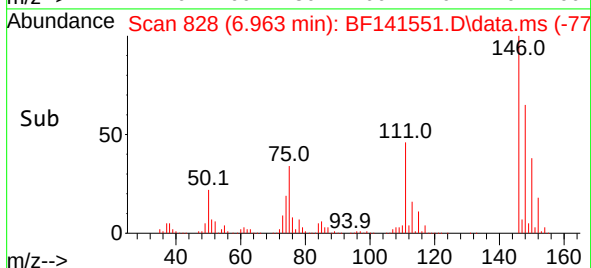
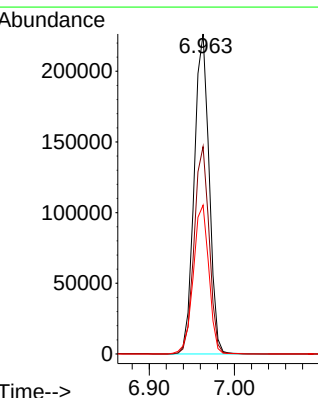
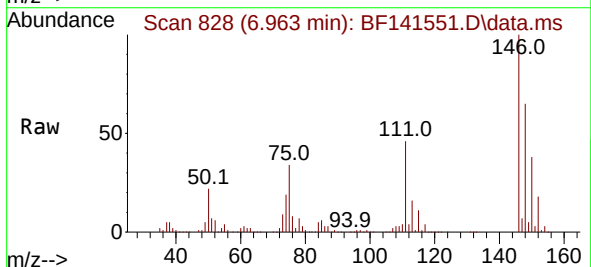
Tgt Ion:146 Resp: 276132

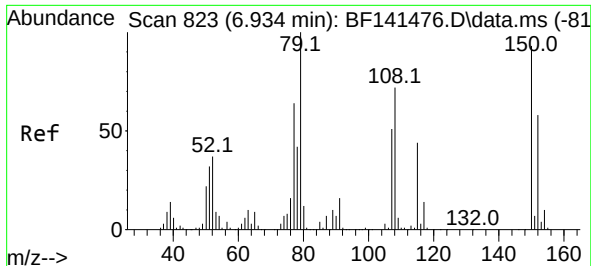
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

111 46.5 37.0 55.4

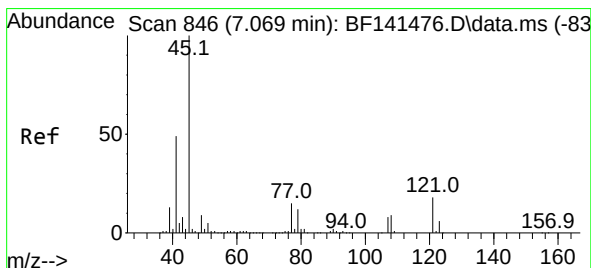
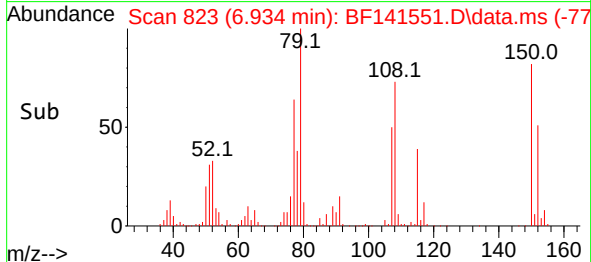
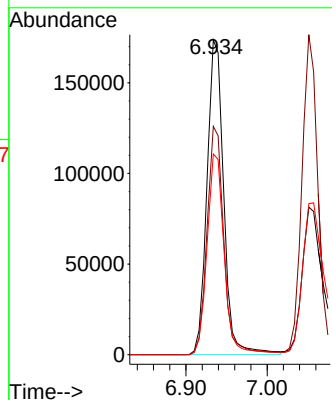
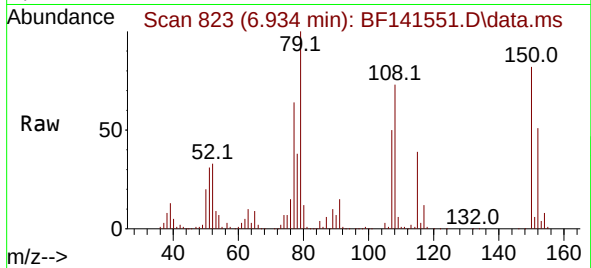




#15
Benzyl Alcohol
Concen: 39.763 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

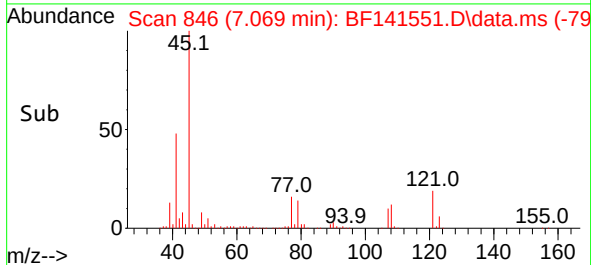
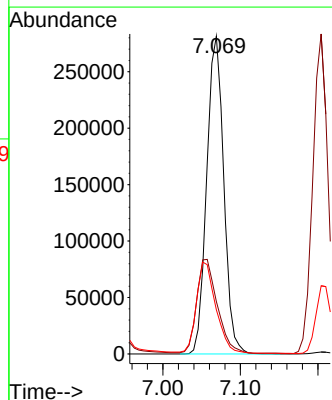
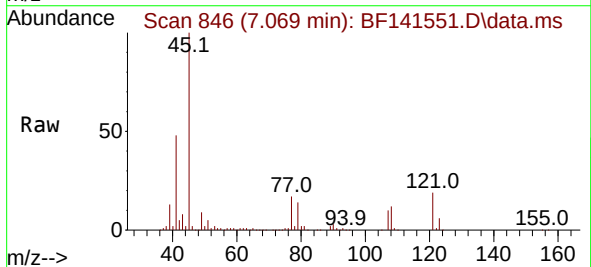
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

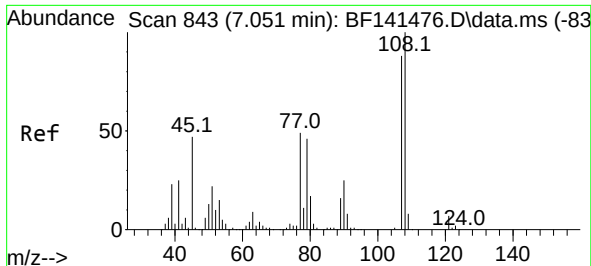
Tgt Ion: 79 Resp: 248245
Ion Ratio Lower Upper
79 100
108 72.6 57.4 86.2
77 63.8 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.413 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 45 Resp: 429398
Ion Ratio Lower Upper
45 100
77 16.5 0.0 35.8
79 13.9 0.0 32.7

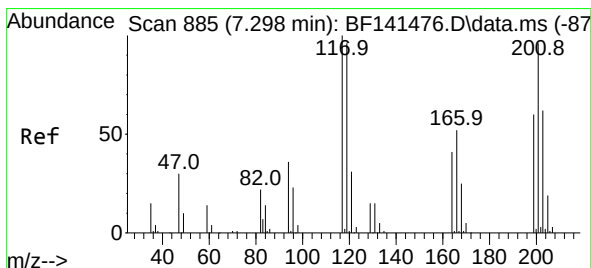
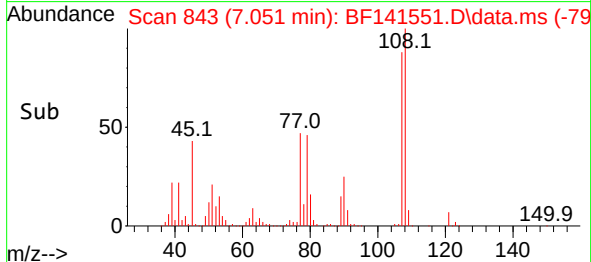
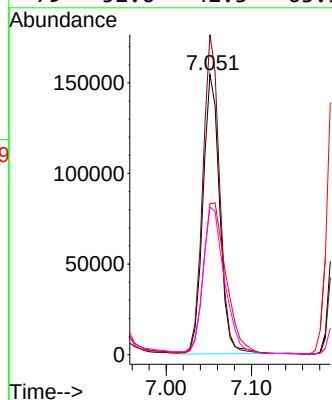
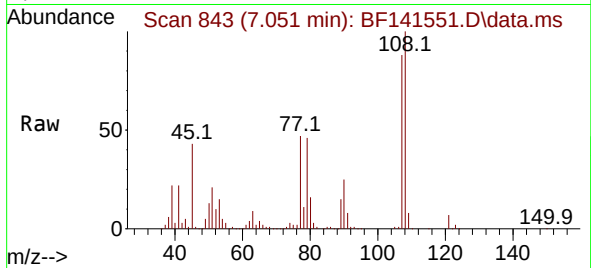




#17
2-Methylphenol
Concen: 38.662 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

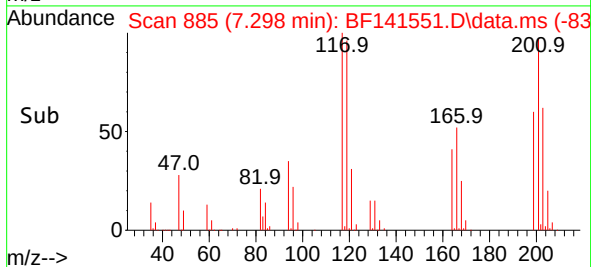
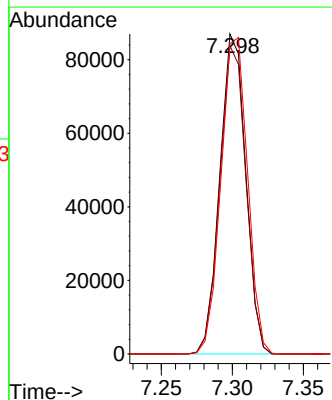
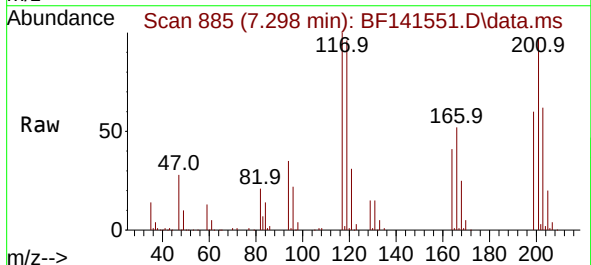
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

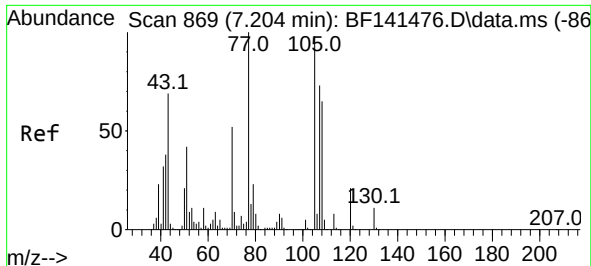
Tgt Ion:107	Resp: 210577
Ion Ratio	Lower Upper
107 100	
108 114.2	90.6 136.0
77 53.9	44.4 66.6
79 52.6	42.3 63.5



#18
Hexachloroethane
Concen: 39.762 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

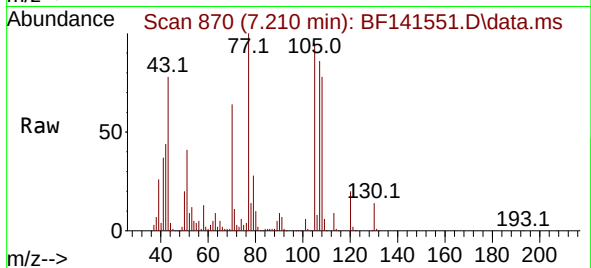
Tgt Ion:117	Resp: 110474
Ion Ratio	Lower Upper
117 100	
119 96.3	76.5 114.7
201 97.0	76.7 115.1



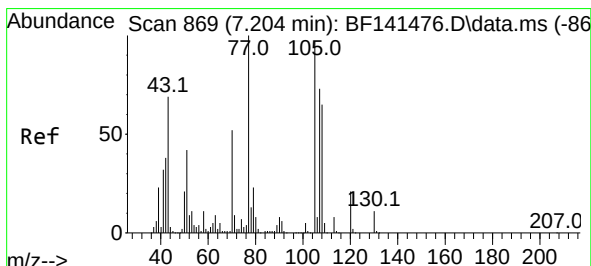
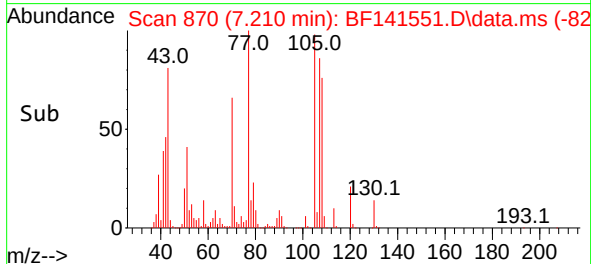
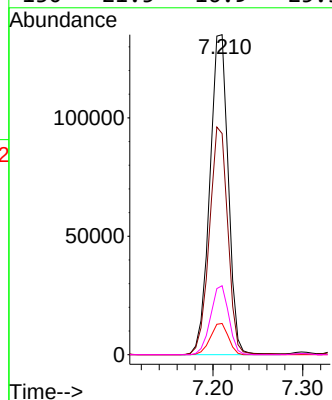


#19
n-Nitroso-di-n-propylamine
Concen: 39.642 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

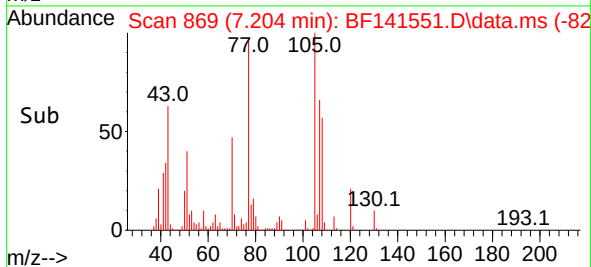
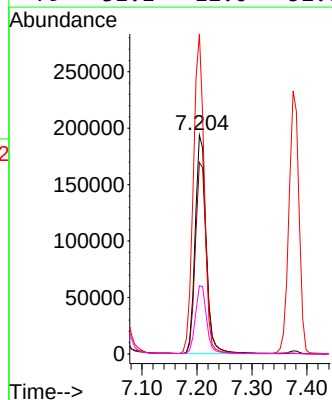
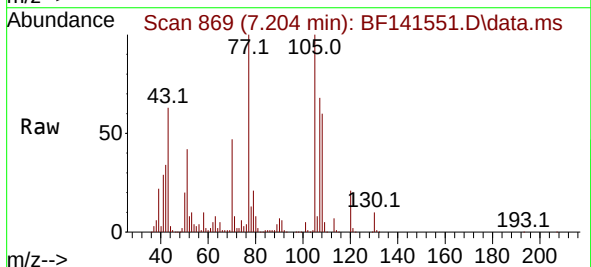


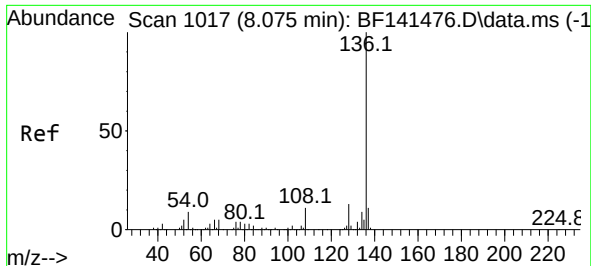
Tgt Ion: 70 Resp: 193046
Ion Ratio Lower Upper
70 100
42 69.1 57.4 86.2
101 9.7 8.0 12.0
130 21.5 16.9 25.3



#20
3+4-Methylphenols
Concen: 38.863 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 107 Resp: 269006
Ion Ratio Lower Upper
107 100
108 87.5 68.5 108.5
77 146.2 116.5 156.5
79 31.1 12.0 52.0

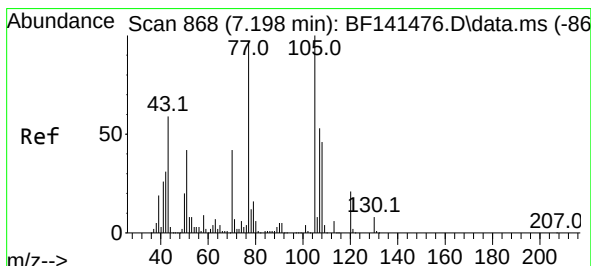
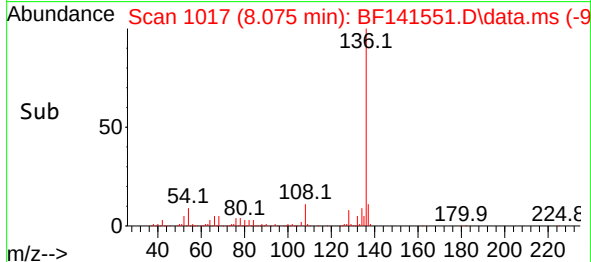
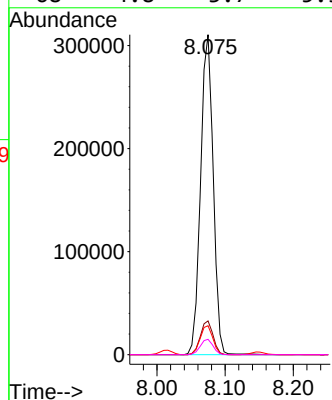
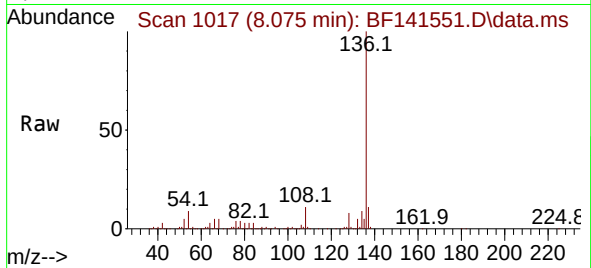




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

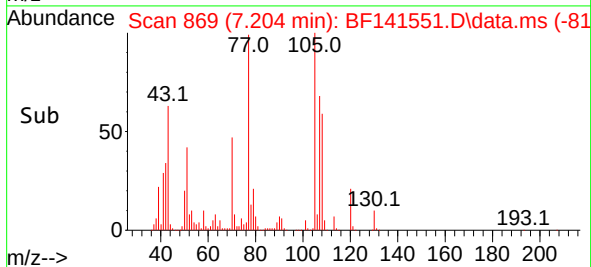
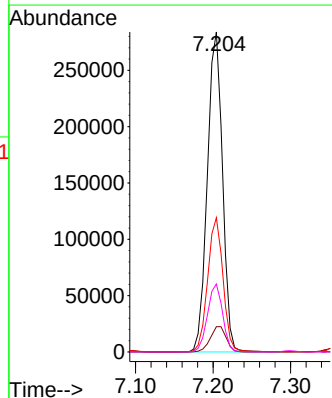
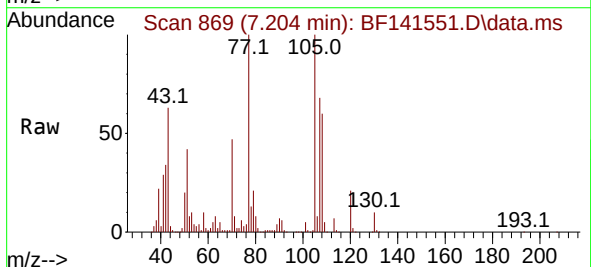
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

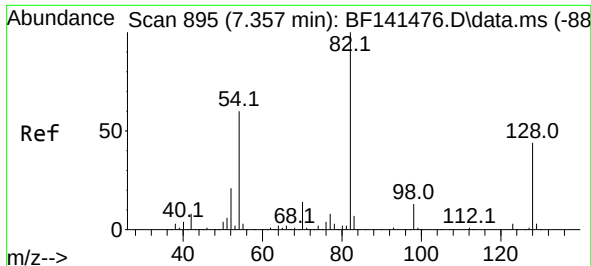
Tgt Ion:	136	Resp:	399334
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	9.1	7.2	10.8
68	4.8	3.7	5.5



#22
Acetophenone
Concen: 38.884 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:	105	Resp:	386258
Ion Ratio	Lower	Upper	
105	100		
71	7.9	5.7	8.5
51	41.9	33.7	50.5
120	21.3	17.0	25.6





#23

Nitrobenzene-d5

Concen: 79.150 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

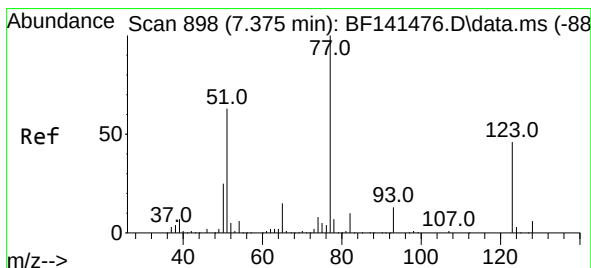
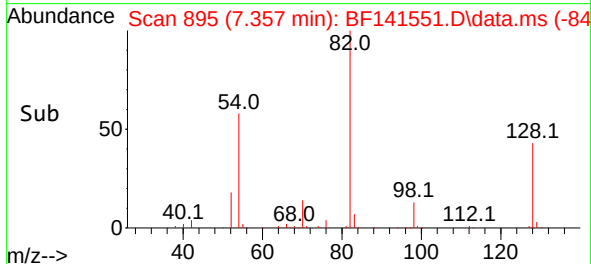
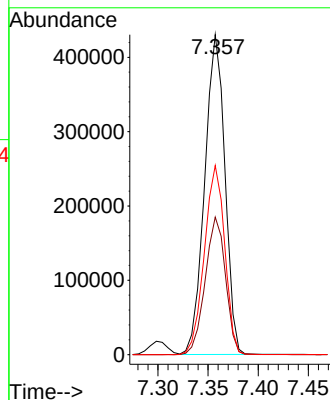
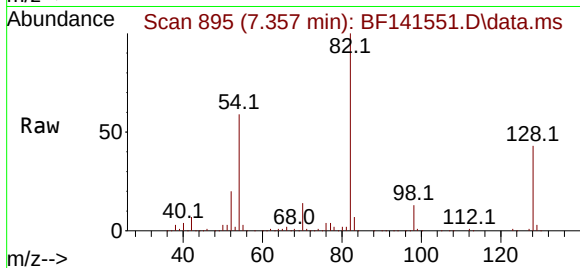
Tgt Ion: 82 Resp: 605988

Ion Ratio Lower Upper

82 100

128 43.0 34.8 52.2

54 59.1 48.2 72.4



#24

Nitrobenzene

Concen: 39.421 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

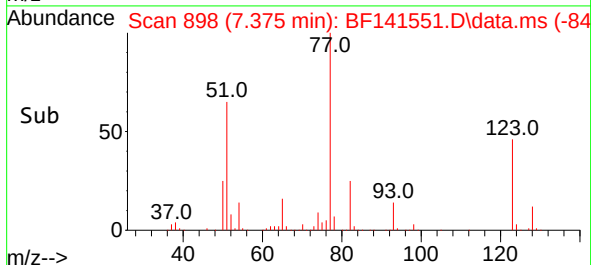
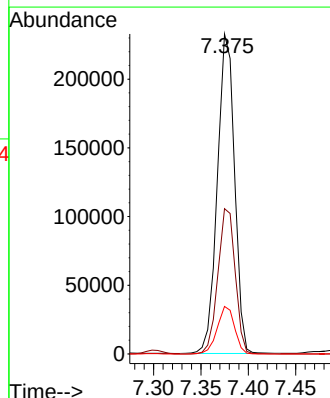
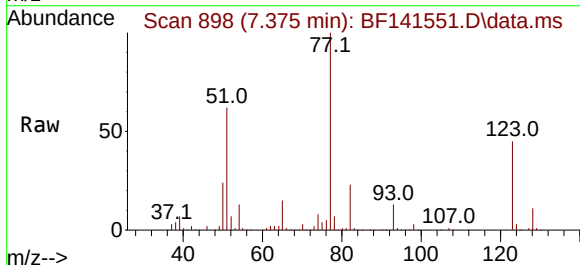
Tgt Ion: 77 Resp: 294305

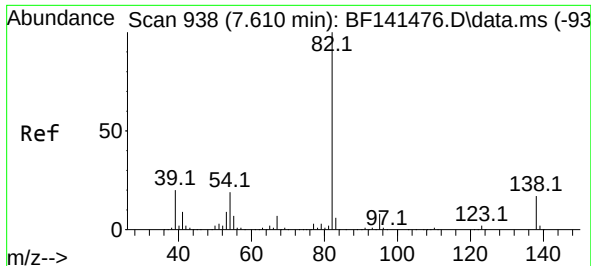
Ion Ratio Lower Upper

77 100

123 45.4 36.9 55.3

65 14.8 11.9 17.9

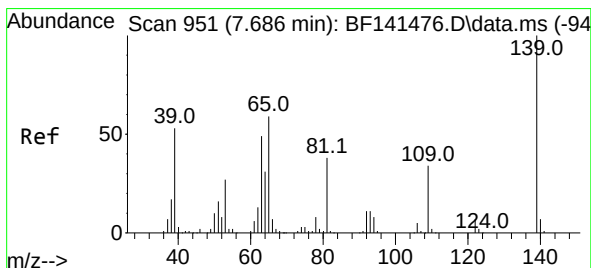
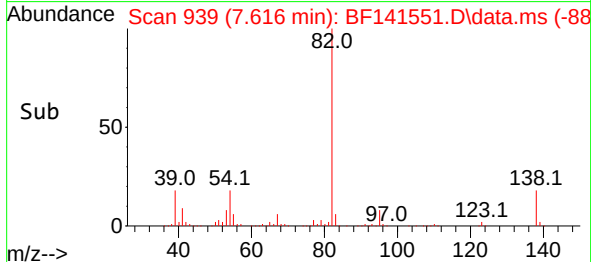
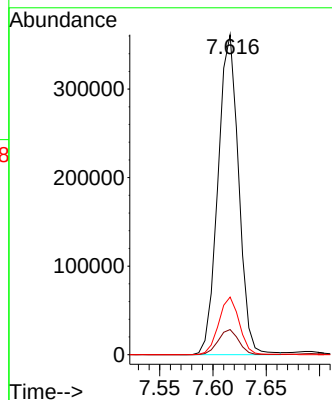
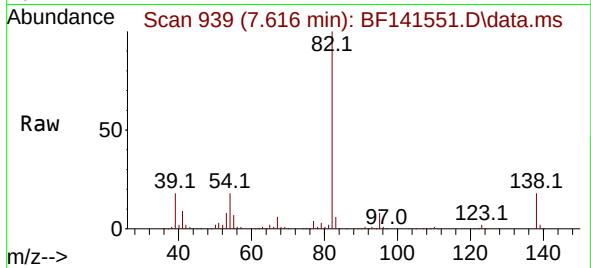




#25
Isophorone
Concen: 39.870 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

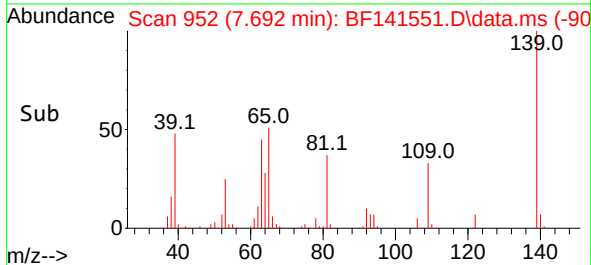
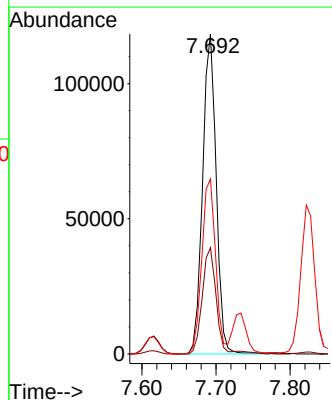
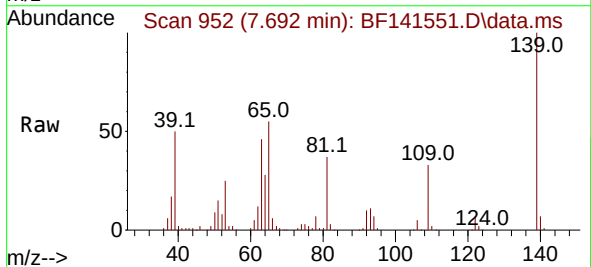
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

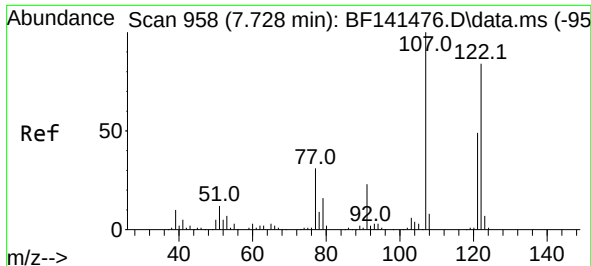
Tgt Ion: 82 Resp: 486718
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.0 13.9 20.9



#26
2-Nitrophenol
Concen: 40.688 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 139 Resp: 151129
Ion Ratio Lower Upper
139 100
109 33.2 27.0 40.6
65 54.7 47.1 70.7

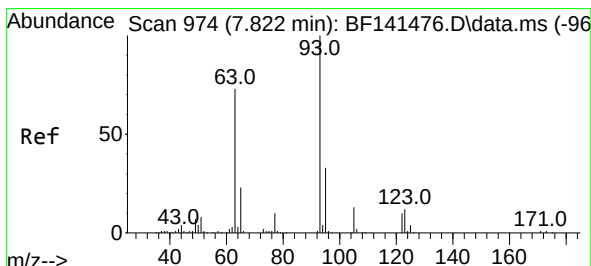
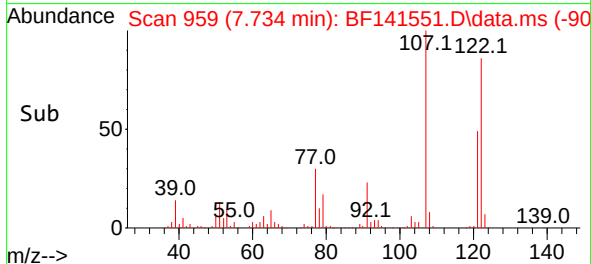
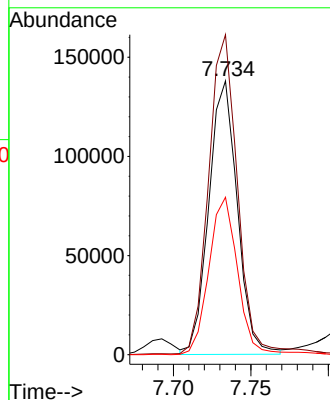
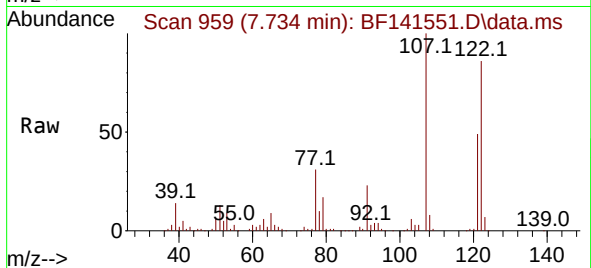




#27
2,4-Dimethylphenol
Concen: 40.742 ng
RT: 7.734 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

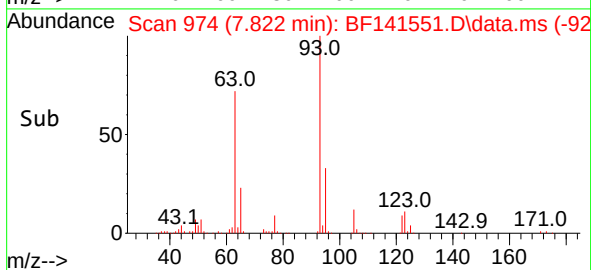
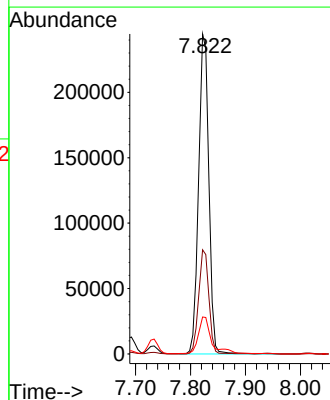
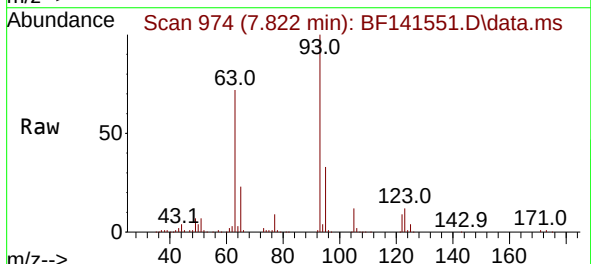
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

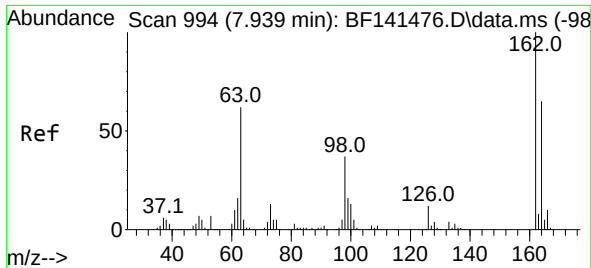
Tgt Ion:122 Resp: 176787
Ion Ratio Lower Upper
122 100
107 116.9 94.3 141.5
121 57.5 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 40.602 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 317603
Ion Ratio Lower Upper
93 100
95 32.5 26.1 39.1
123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.207 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

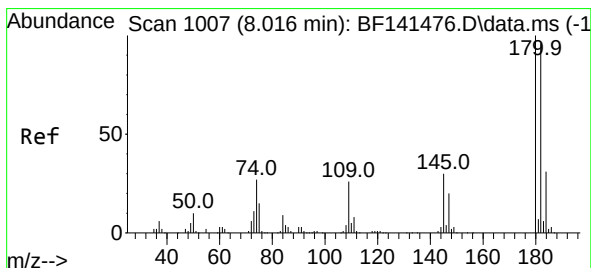
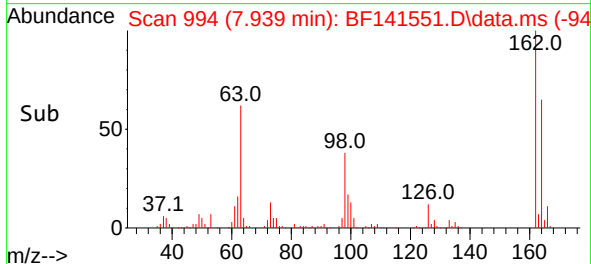
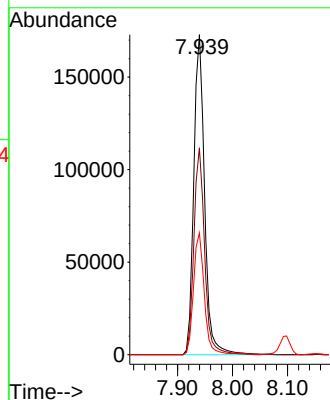
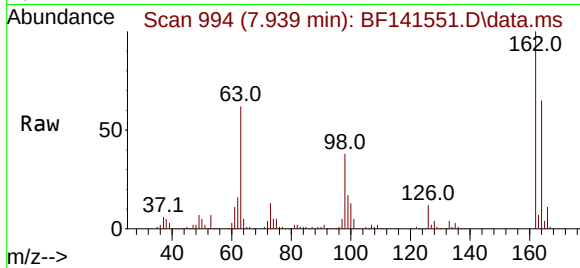
Tgt Ion:162 Resp: 235725

Ion Ratio Lower Upper

162 100

164 64.6 44.6 84.6

98 38.1 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 39.881 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

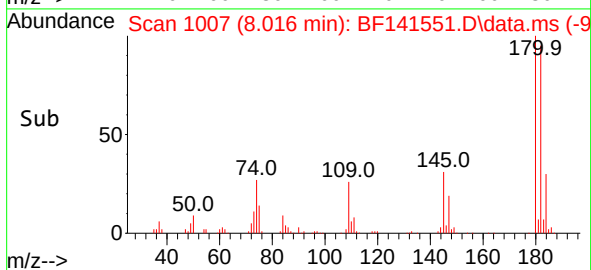
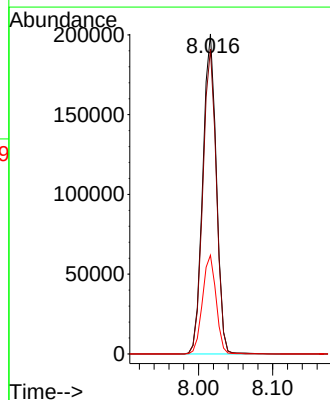
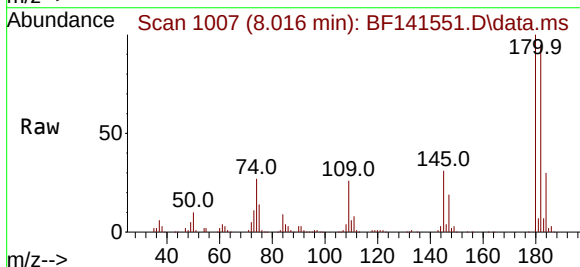
Tgt Ion:180 Resp: 254617

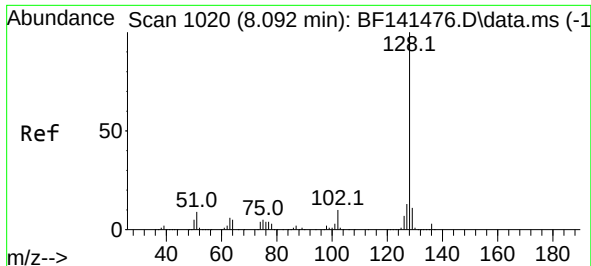
Ion Ratio Lower Upper

180 100

182 95.3 76.8 115.2

145 30.9 24.2 36.4

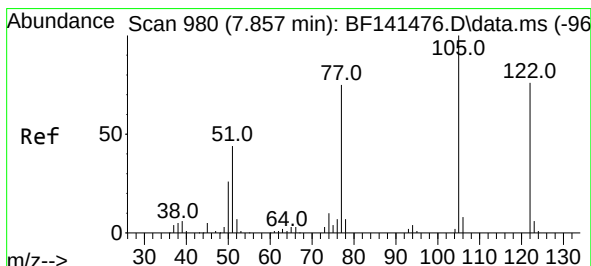
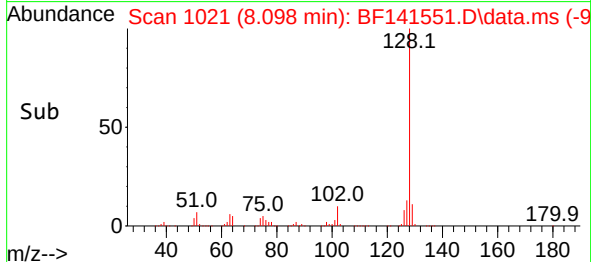
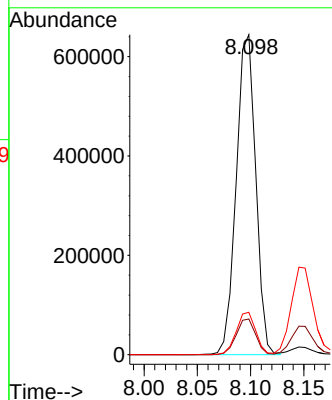
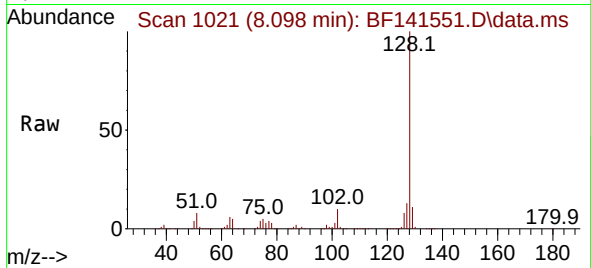




#31
Naphthalene
Concen: 39.496 ng
RT: 8.098 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

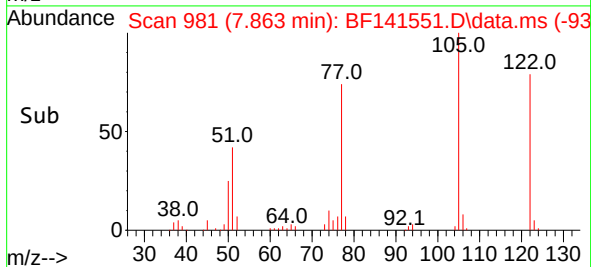
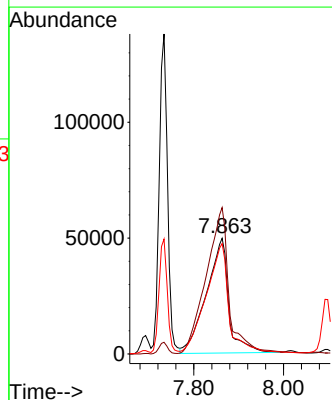
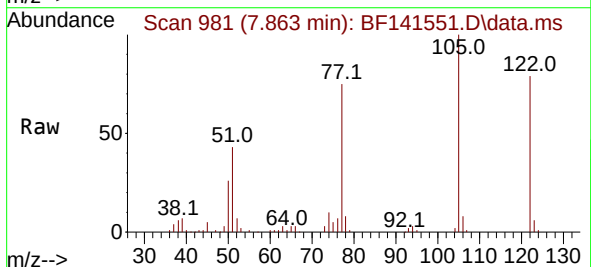
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

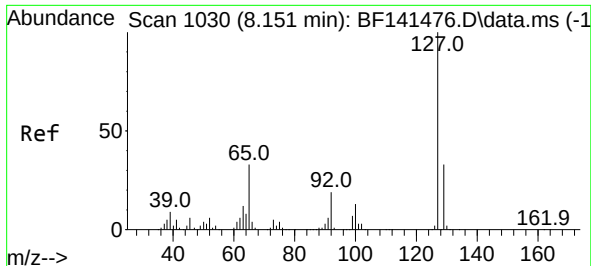
Tgt Ion:128 Resp: 820994
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 38.109 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:122 Resp: 171762
Ion Ratio Lower Upper
122 100
105 126.5 106.5 146.5
77 95.4 76.3 116.3

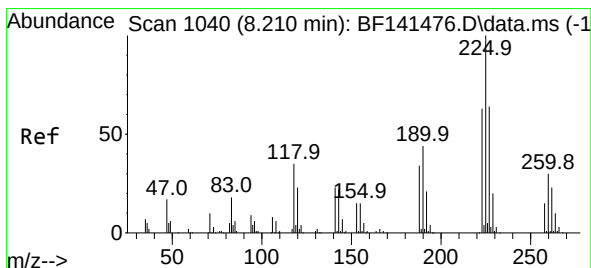
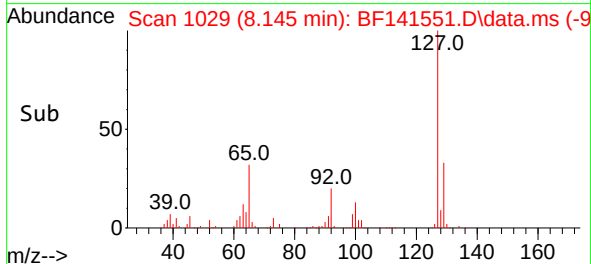
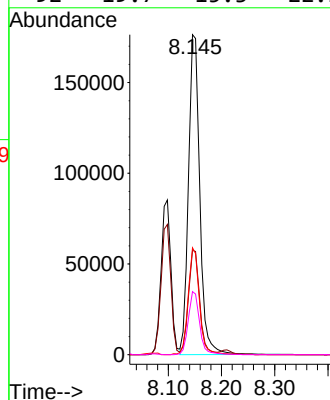
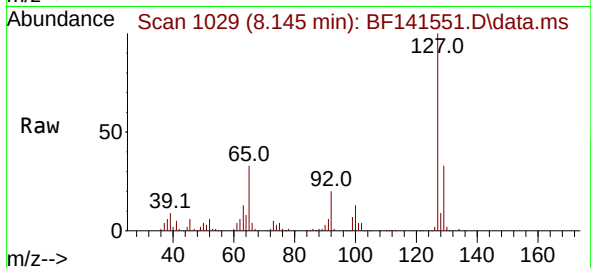




#33
4-Chloroaniline
Concen: 35.922 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

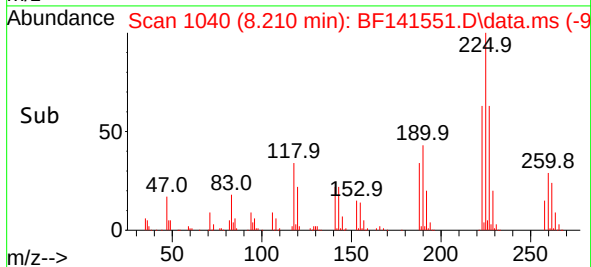
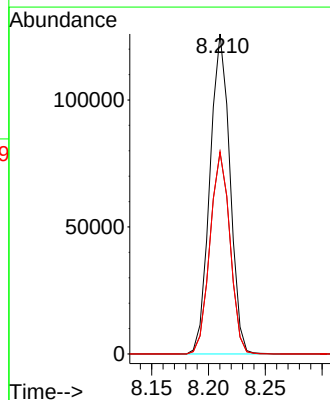
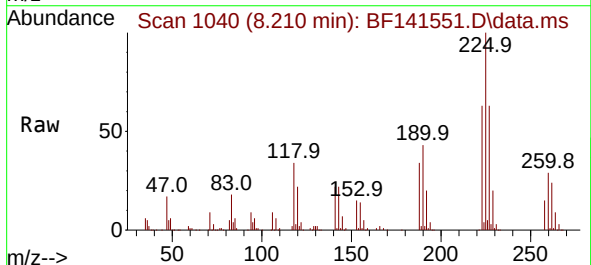
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

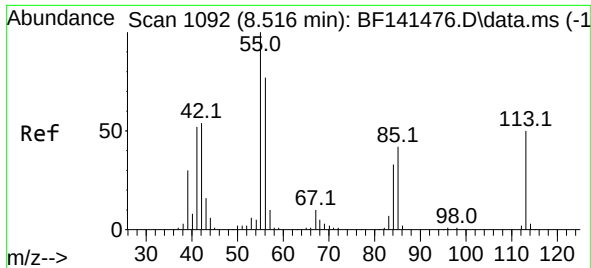
Tgt Ion:	127	Resp:	260705
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.5	39.7
65	33.4	26.4	39.6
92	19.7	15.3	22.9



#34
Hexachlorobutadiene
Concen: 40.212 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:	225	Resp:	154125
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	63.1	51.0	76.6

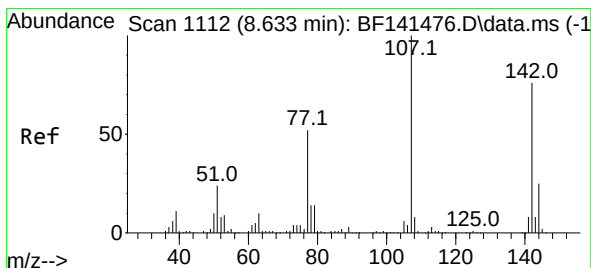
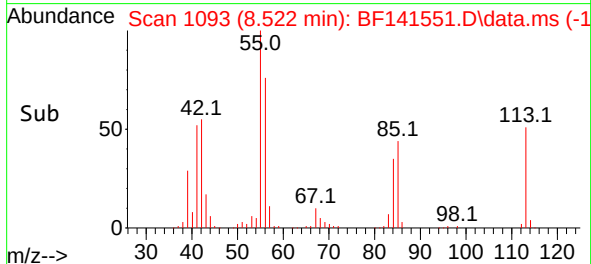
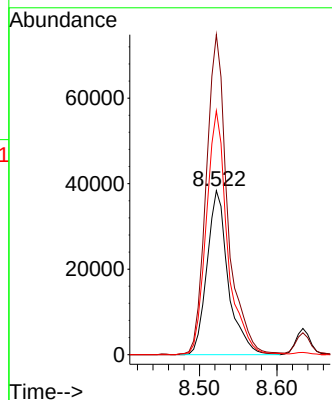
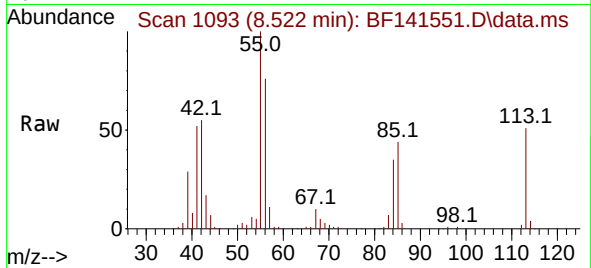




#35
Caprolactam
Concen: 40.821 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.023 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

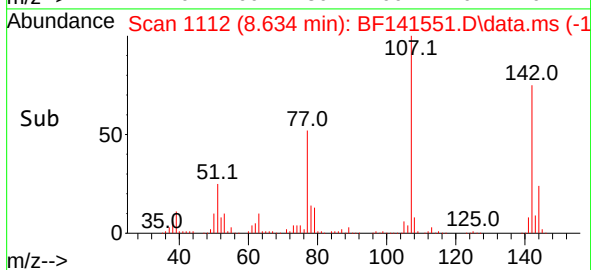
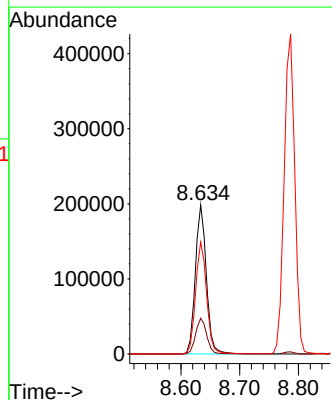
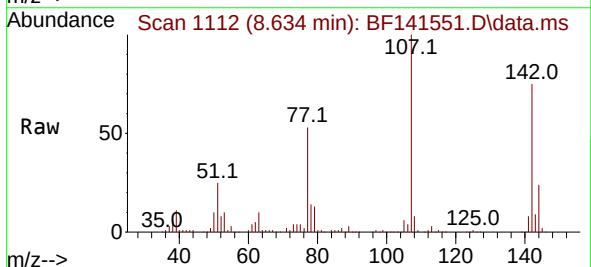
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

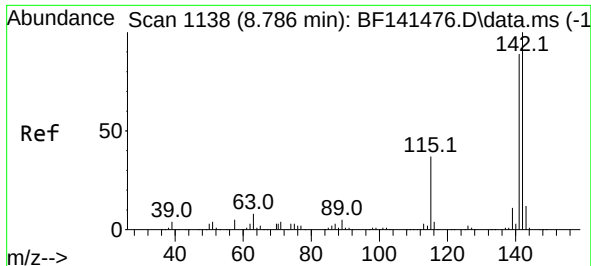
Tgt Ion:113 Resp: 72868
Ion Ratio Lower Upper
113 100
55 195.1 180.8 220.8
56 148.7 133.6 173.6



#36
4-Chloro-3-methylphenol
Concen: 39.838 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:107 Resp: 258721
Ion Ratio Lower Upper
107 100
144 24.0 19.7 29.5
142 75.1 60.8 91.2

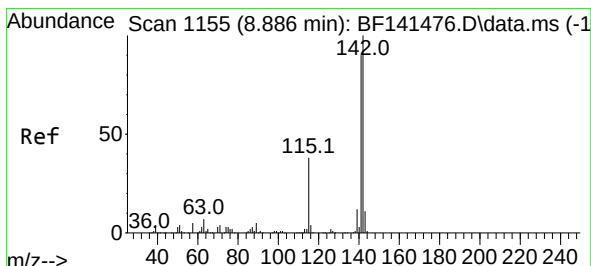
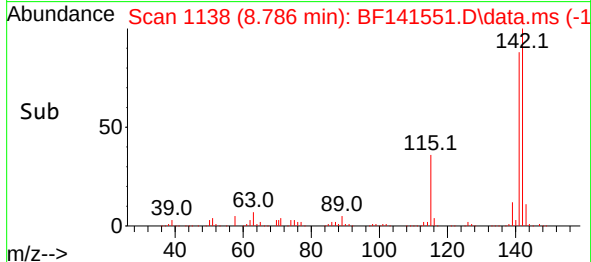
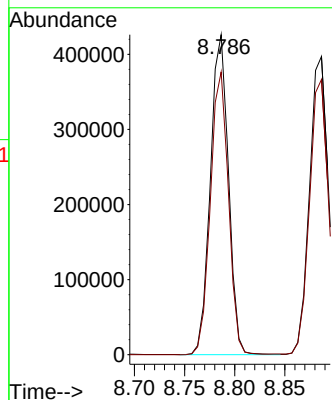
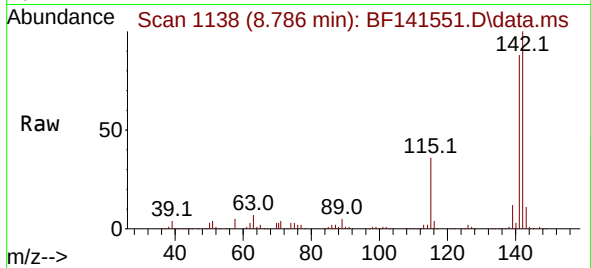




#37
2-Methylnaphthalene
Concen: 39.589 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

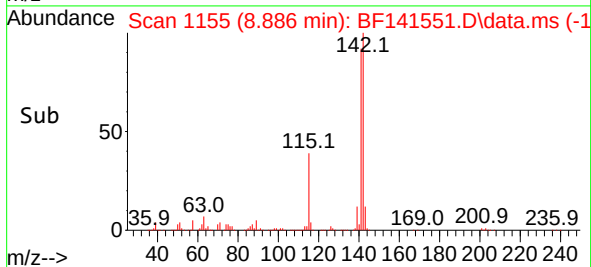
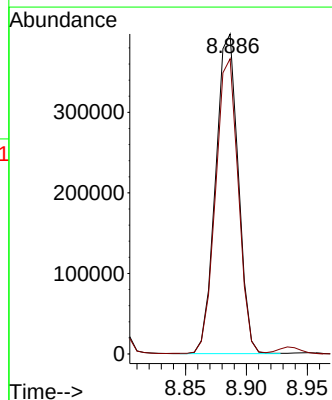
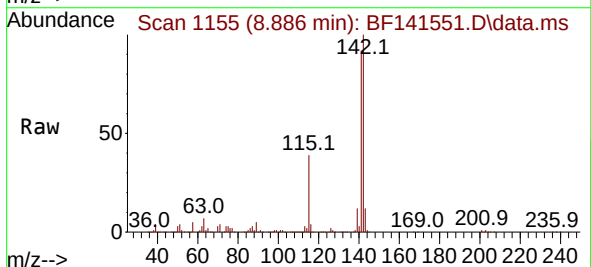
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

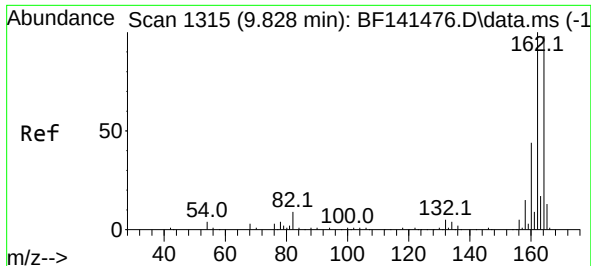
Tgt Ion:142 Resp: 535507
Ion Ratio Lower Upper
142 100
141 88.4 71.2 106.8



#38
1-Methylnaphthalene
Concen: 39.172 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:142 Resp: 513186
Ion Ratio Lower Upper
142 100
141 92.3 72.1 108.1

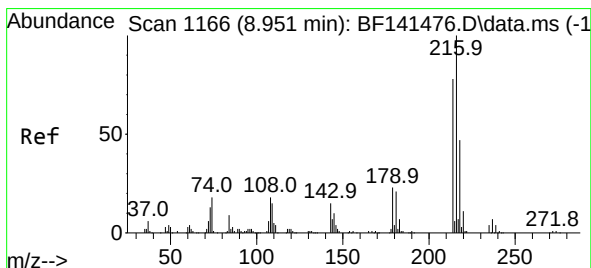
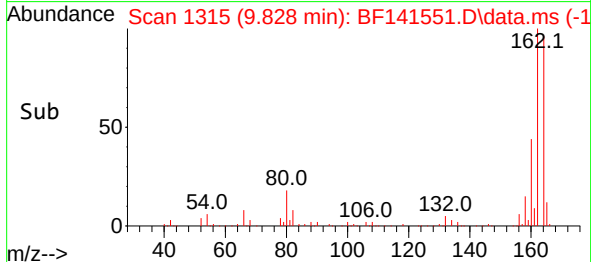
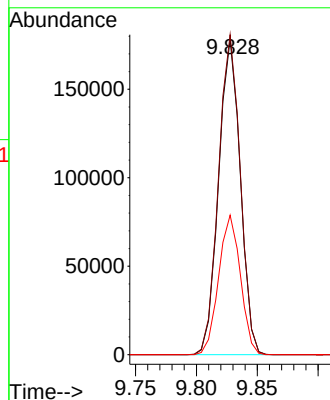
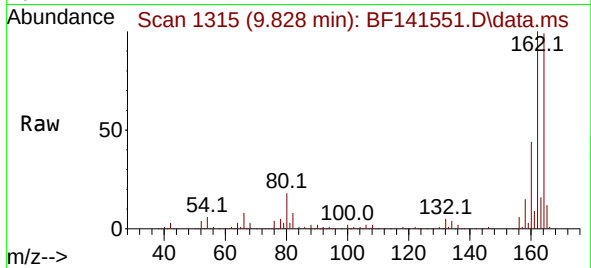




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

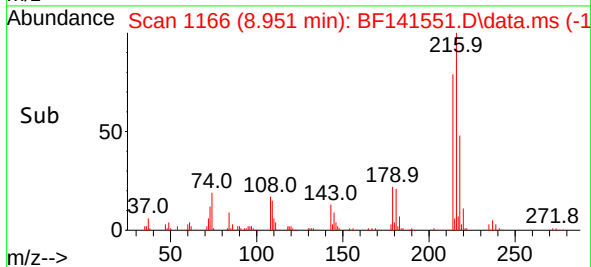
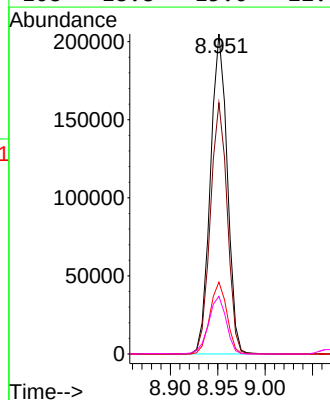
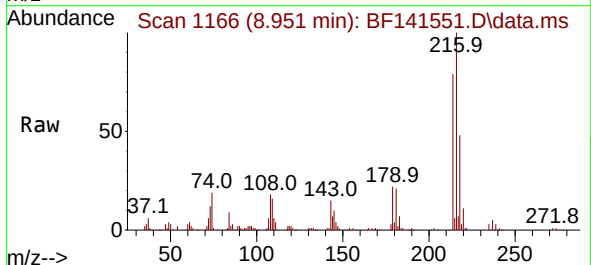
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

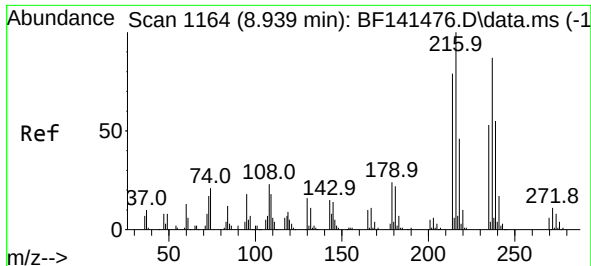
Tgt Ion:164 Resp: 220290
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.2 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.721 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:216 Resp: 253153
Ion Ratio Lower Upper
216 100
214 78.3 62.3 93.5
179 22.4 18.0 27.0
108 18.8 15.0 22.6

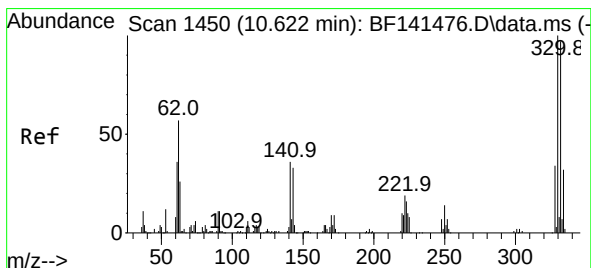
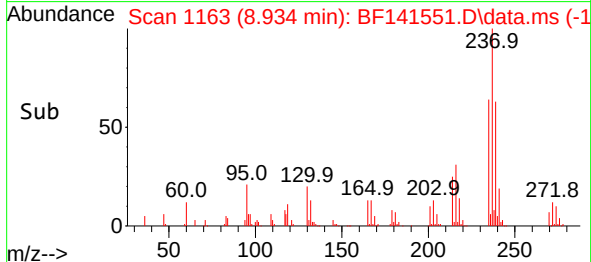
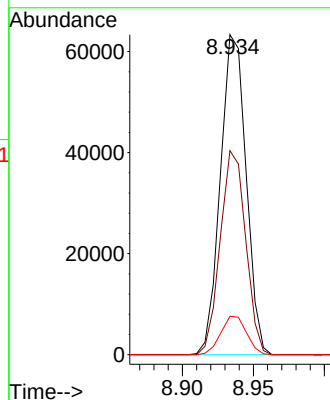
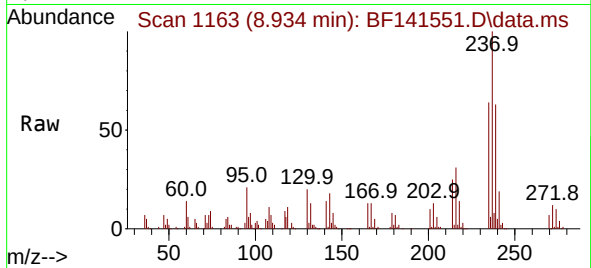




#41
Hexachlorocyclopentadiene
Concen: 37.607 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

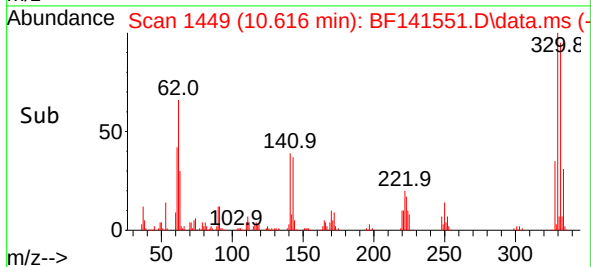
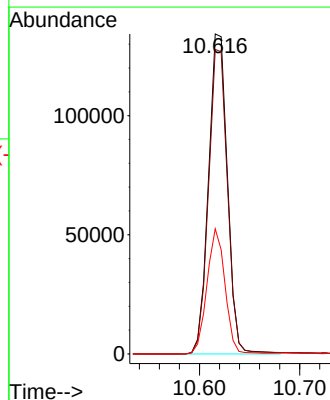
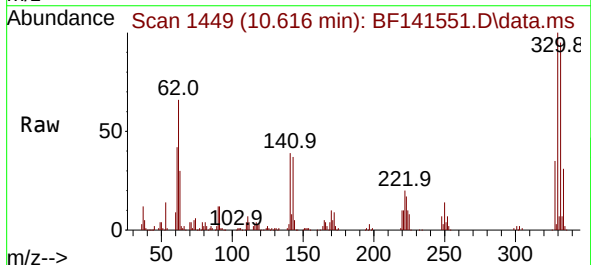
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

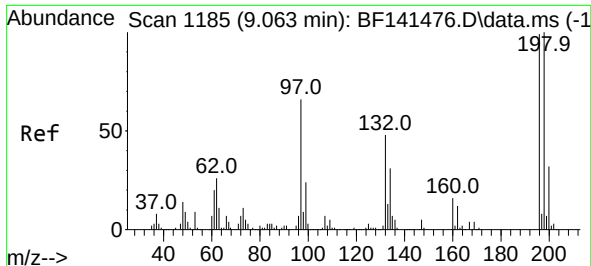
Tgt Ion:	237	Resp:	79719
Ion	Ratio	Lower	Upper
237	100		
235	63.7	41.4	81.4
272	12.0	0.0	32.4



#42
2,4,6-Tribromophenol
Concen: 79.892 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:	330	Resp:	176794
Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	37.3	31.0	46.4

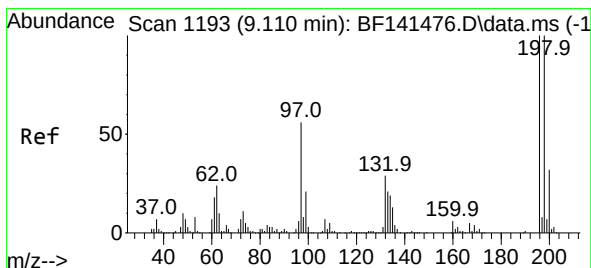
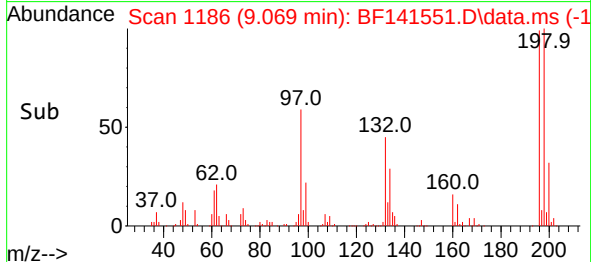
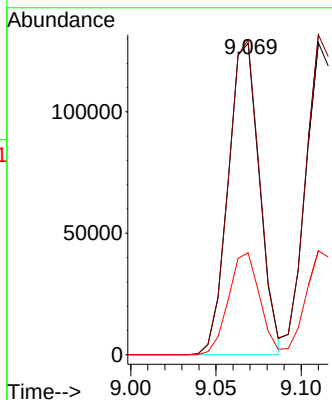
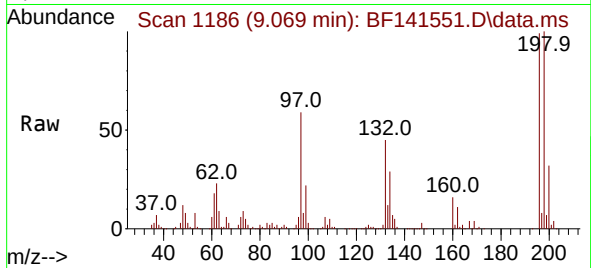




#43
2,4,6-Trichlorophenol
Concen: 39.916 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

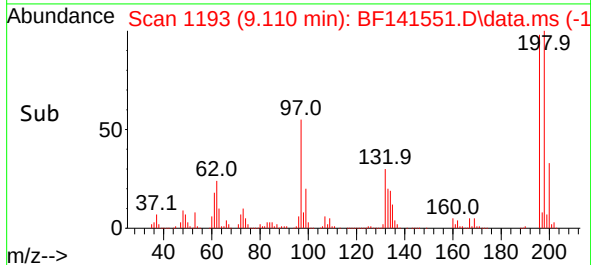
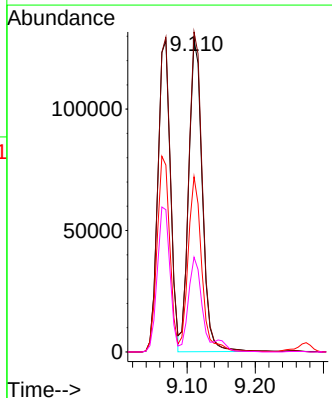
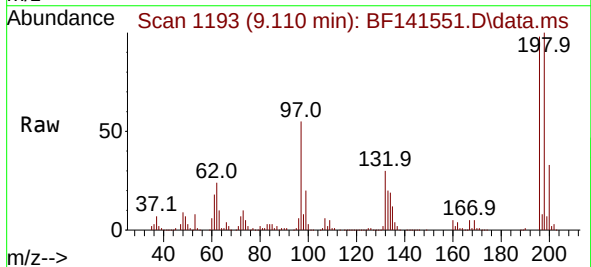
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

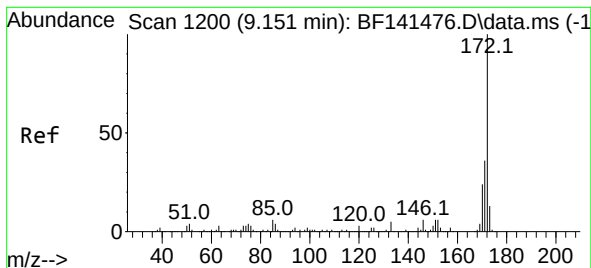
Tgt Ion:196 Resp: 164418
Ion Ratio Lower Upper
196 100
198 101.1 80.6 121.0
200 32.7 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 39.574 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:196 Resp: 176666
Ion Ratio Lower Upper
196 100
198 102.6 79.8 119.8
97 56.2 44.8 67.2
132 30.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 78.338 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

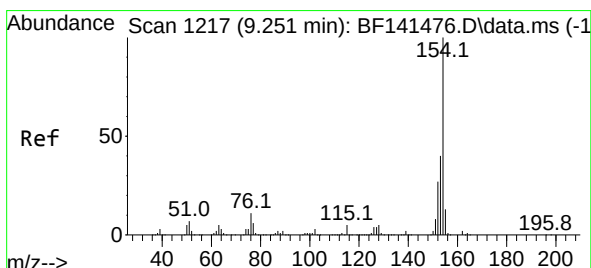
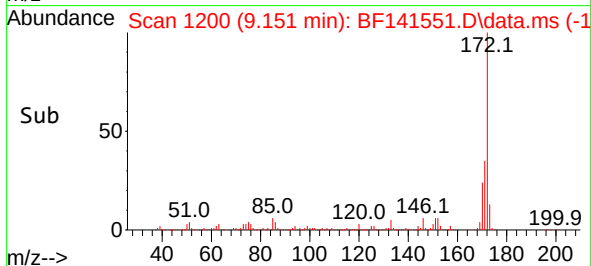
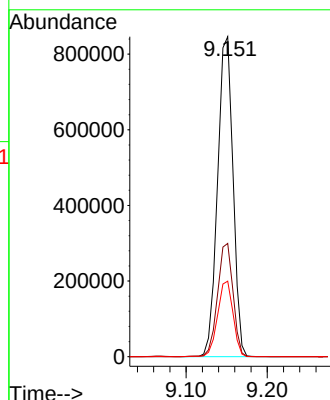
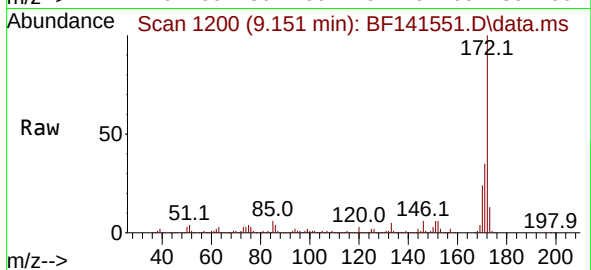
Tgt Ion:172 Resp: 1120127

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 39.828 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

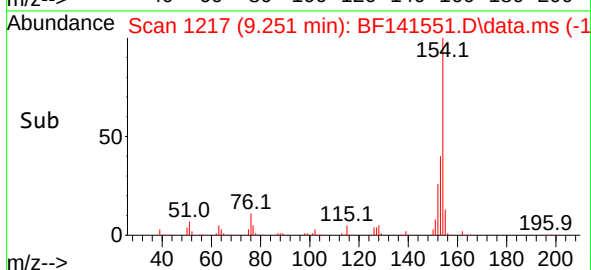
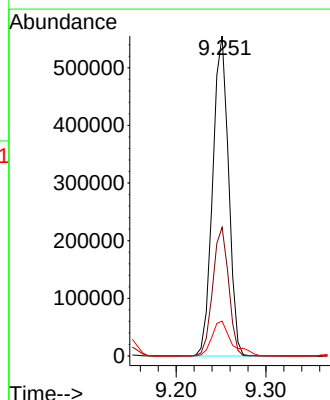
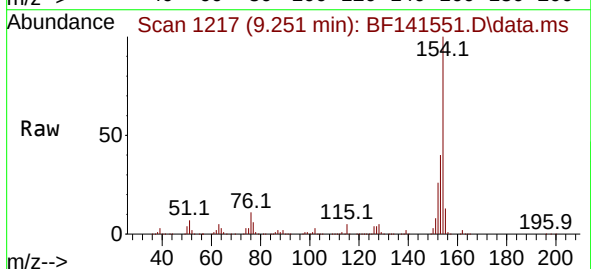
Tgt Ion:154 Resp: 680211

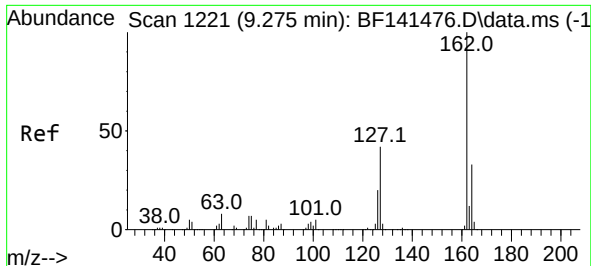
Ion Ratio Lower Upper

154 100

153 40.2 20.4 60.4

76 10.9 0.0 30.8

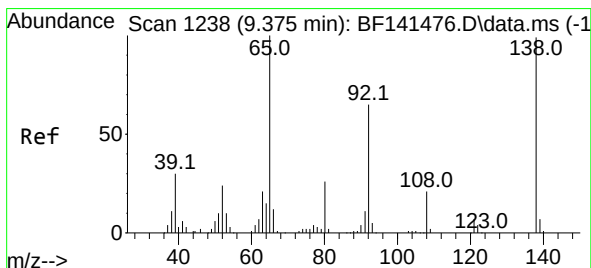
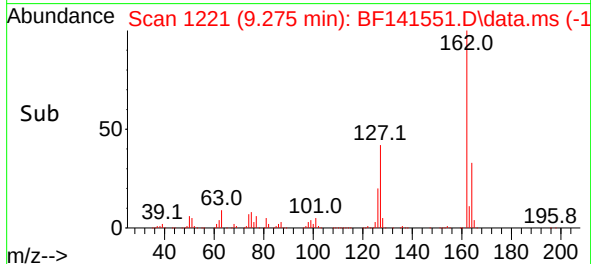
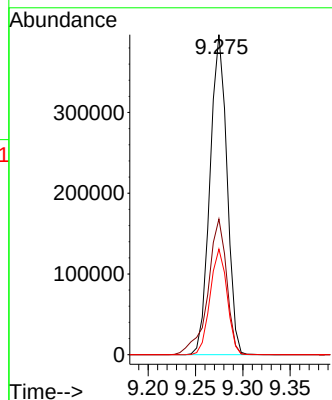
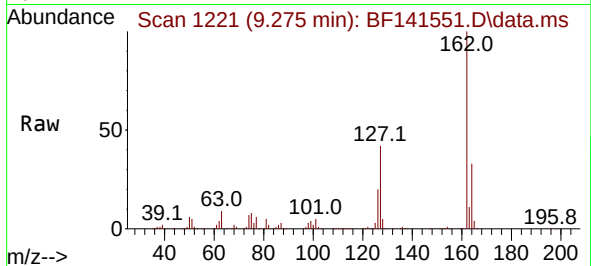




#47
2-Chloronaphthalene
Concen: 39.175 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

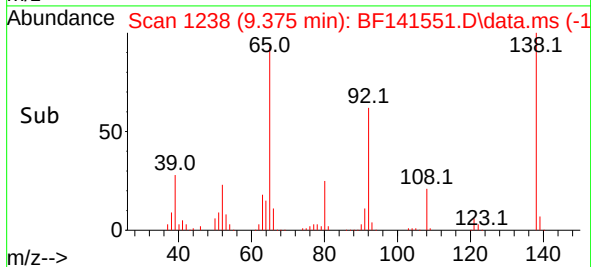
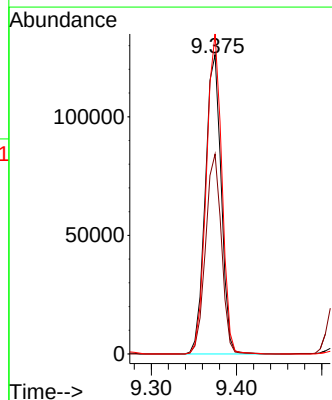
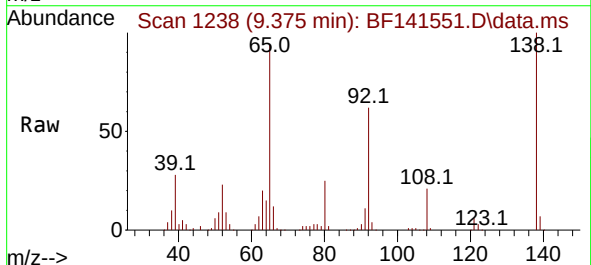
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

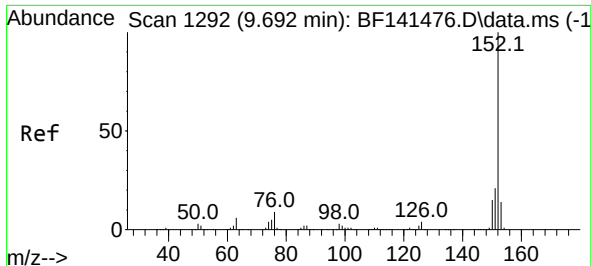
Tgt Ion:162 Resp: 494742
Ion Ratio Lower Upper
162 100
127 42.4 34.1 51.1
164 33.0 26.3 39.5



#48
2-Nitroaniline
Concen: 38.652 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 65 Resp: 163823
Ion Ratio Lower Upper
65 100
92 66.8 52.2 78.2
138 106.9 79.5 119.3





#49

Acenaphthylene

Concen: 39.549 ng

RT: 9.686 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

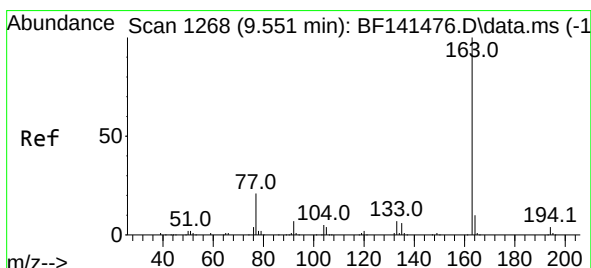
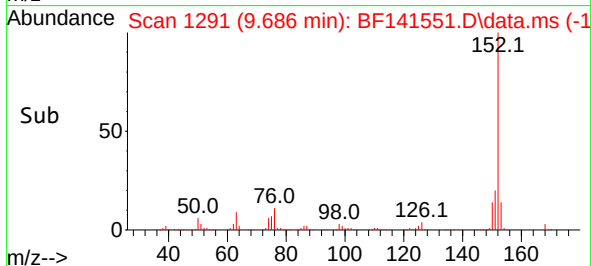
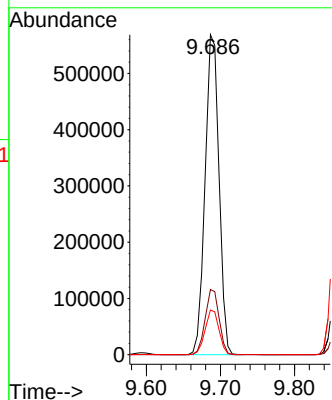
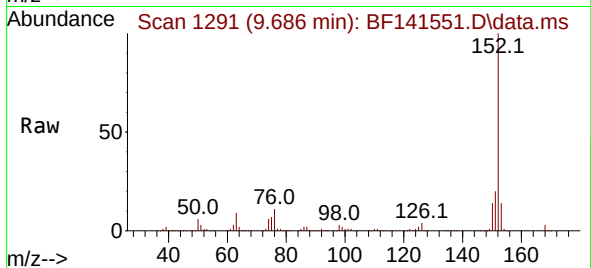
Tgt Ion:152 Resp: 742913

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 14.0 10.9 16.3



#50

Dimethylphthalate

Concen: 40.052 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

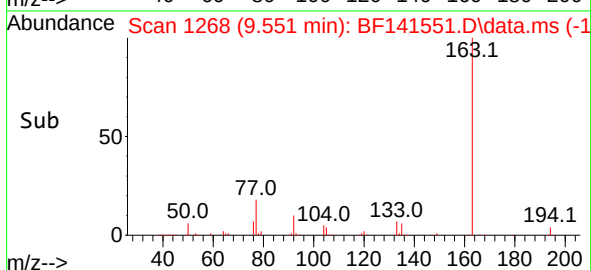
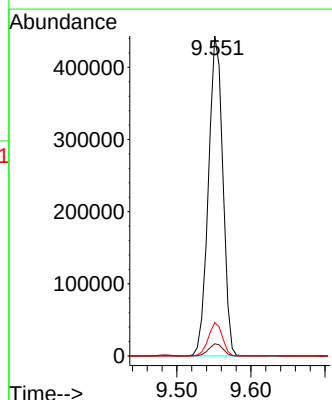
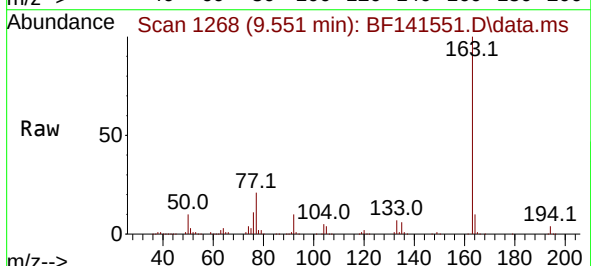
Tgt Ion:163 Resp: 598973

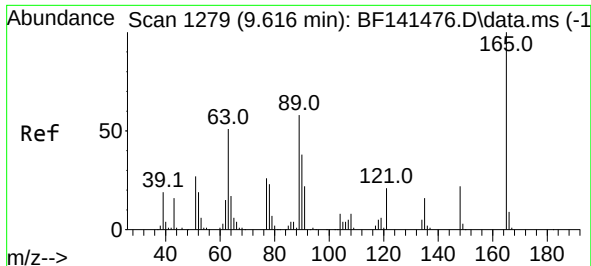
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.4 7.9 11.9

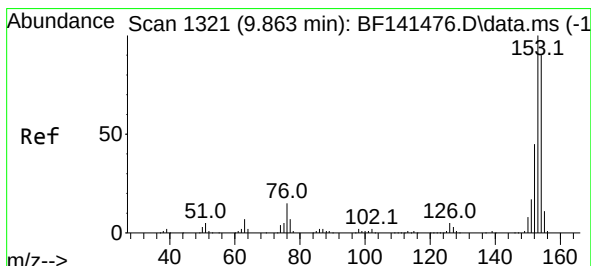
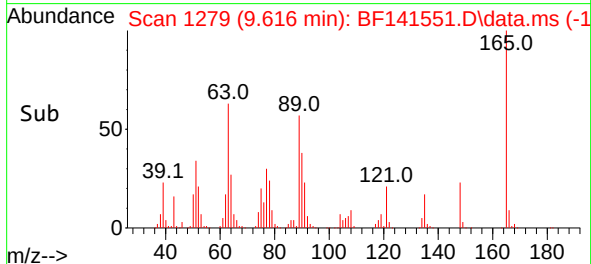
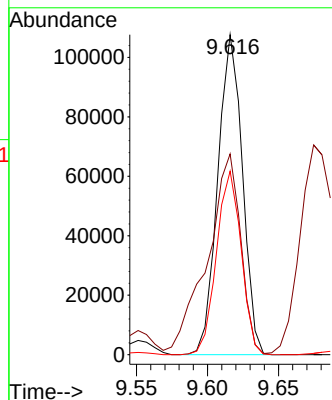
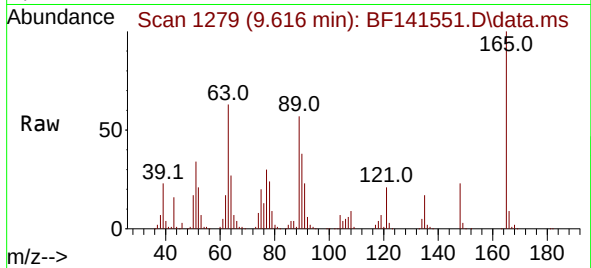




#51
2,6-Dinitrotoluene
Concen: 39.707 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

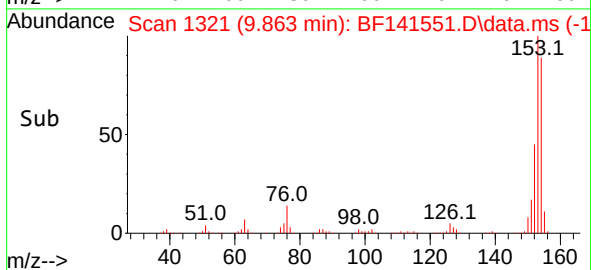
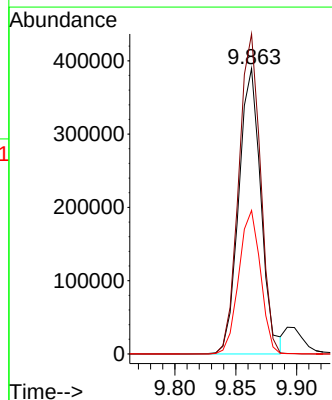
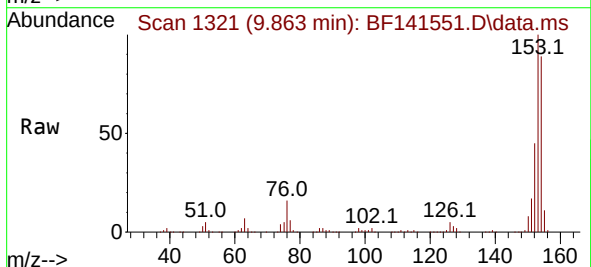
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

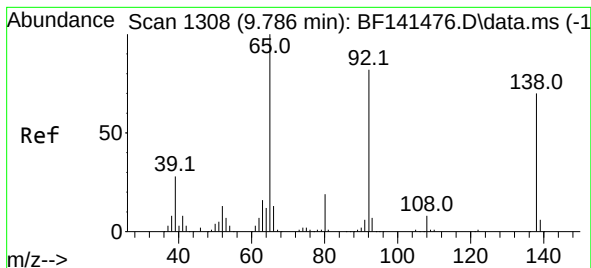
Tgt Ion:165 Resp: 129812
Ion Ratio Lower Upper
165 100
63 62.7 49.4 74.0
89 57.4 46.5 69.7



#52
Acenaphthene
Concen: 39.125 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:154 Resp: 494087
Ion Ratio Lower Upper
154 100
153 112.1 89.2 133.8
152 50.3 39.8 59.8





#53

3-Nitroaniline

Concen: 38.855 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

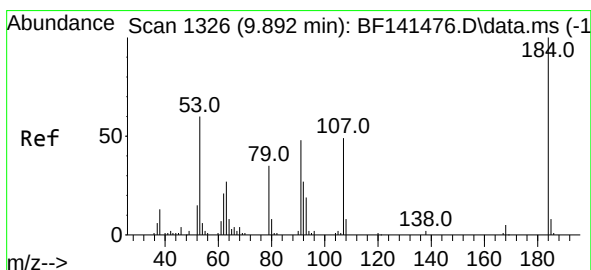
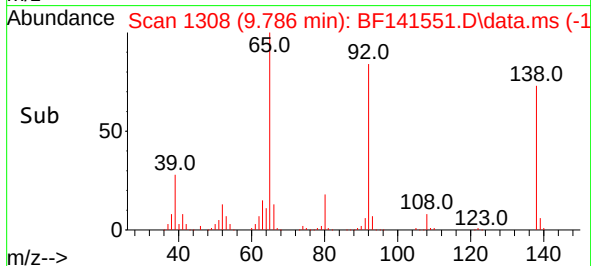
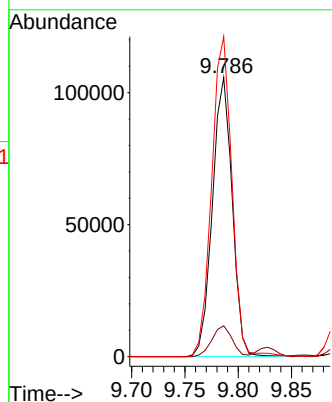
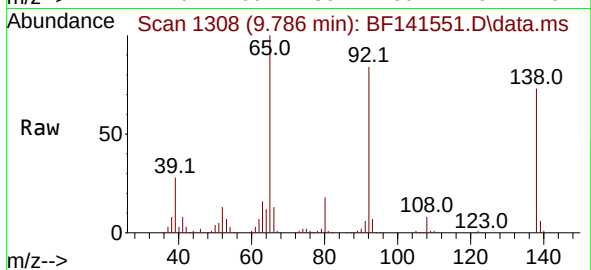
Tgt Ion:138 Resp: 136720

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.4

92 114.6 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 41.042 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

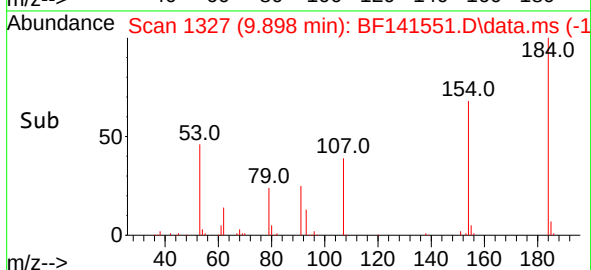
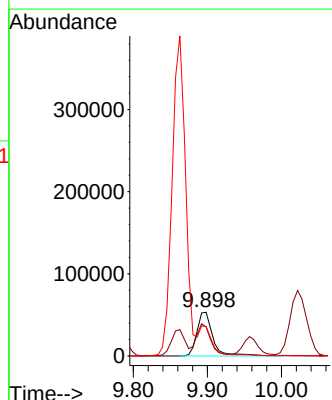
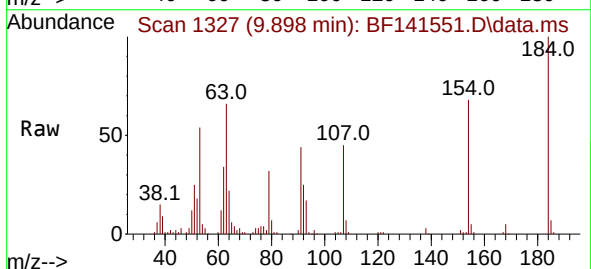
Tgt Ion:184 Resp: 79744

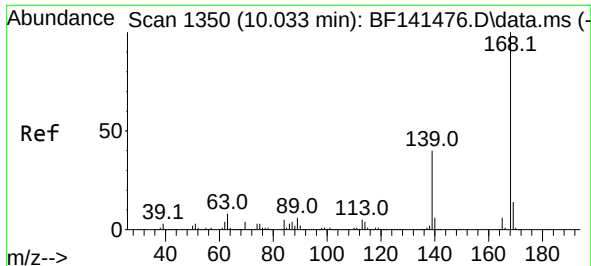
Ion Ratio Lower Upper

184 100

63 66.2 61.0 91.6

154 67.5 59.9 89.9

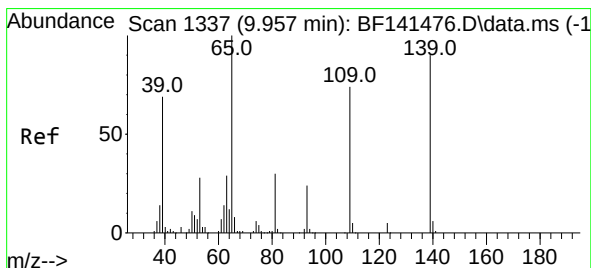
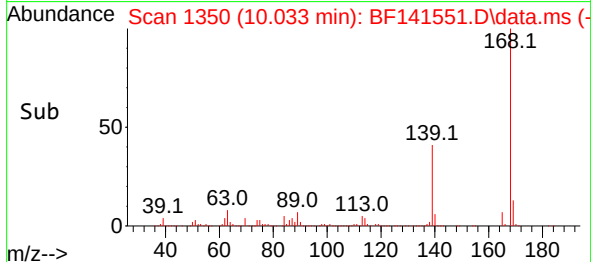
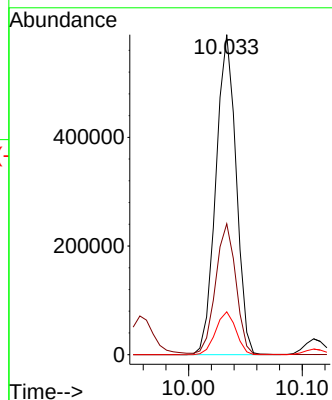
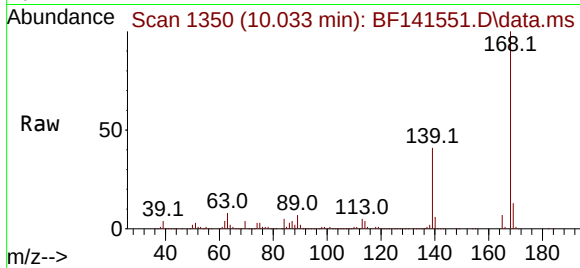




#55
Dibenzofuran
Concen: 39.291 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

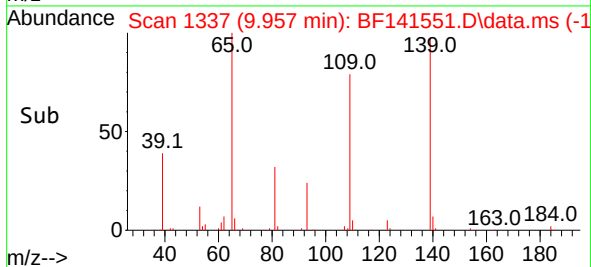
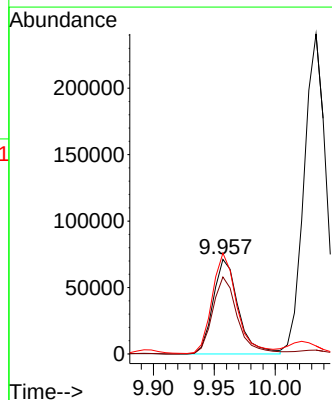
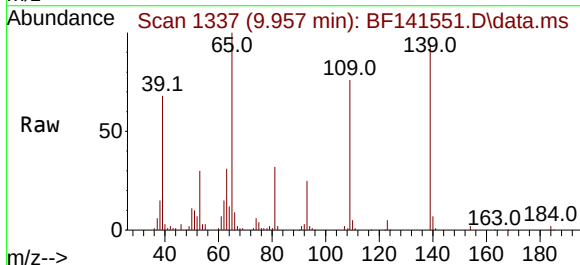
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

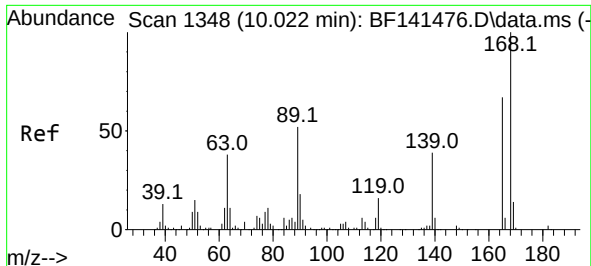
Tgt Ion:168 Resp: 728307
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 39.275 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

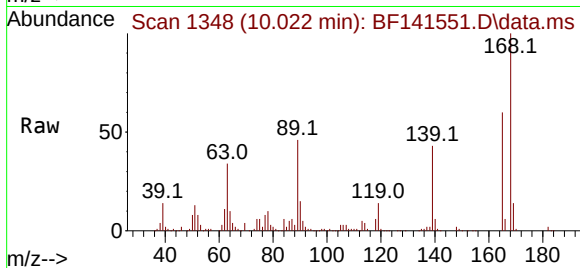
Tgt Ion:139 Resp: 102589
Ion Ratio Lower Upper
139 100
109 81.4 62.0 102.0
65 106.5 91.2 131.2





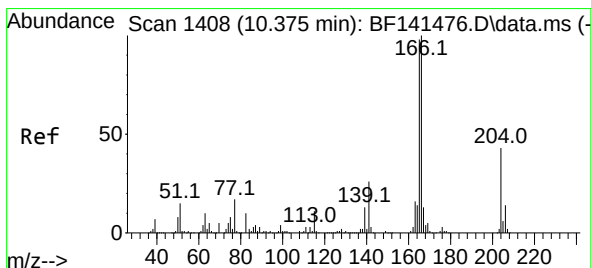
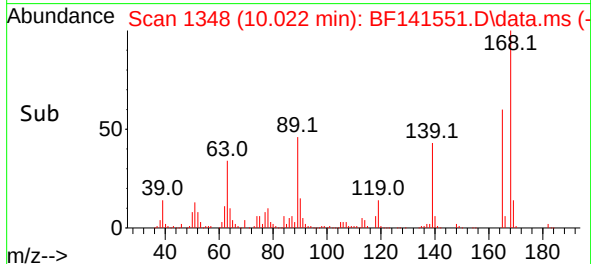
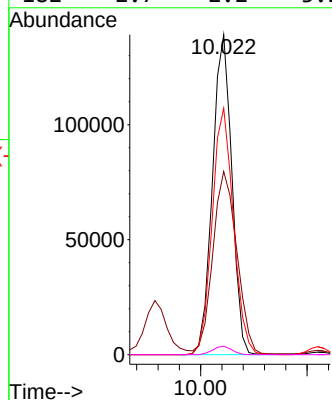
#57
2,4-Dinitrotoluene
Concen: 40.316 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 175460

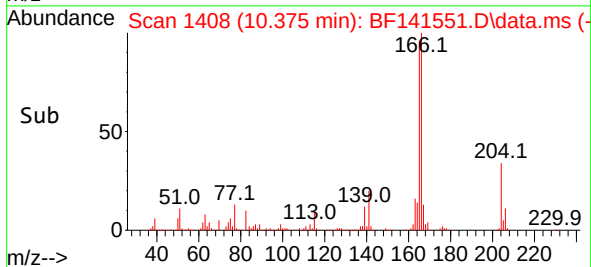
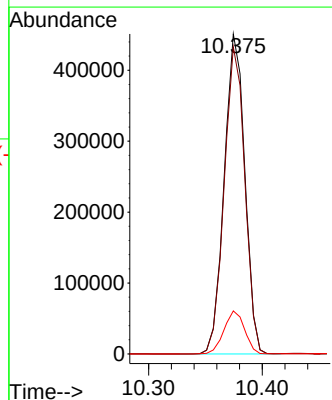
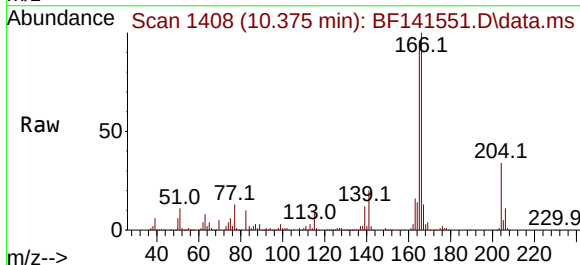
Ion	Ratio	Lower	Upper
165	100		
63	57.3	46.4	69.6
89	77.0	61.8	92.6
182	2.7	2.2	3.2

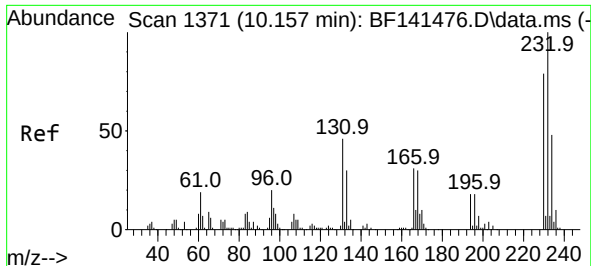


#58
Fluorene
Concen: 39.674 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:166 Resp: 568620

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.2	117.2
167	13.4	10.7	16.1

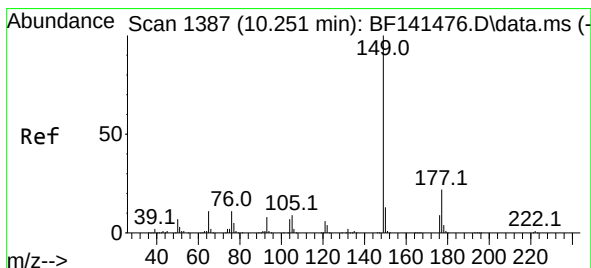
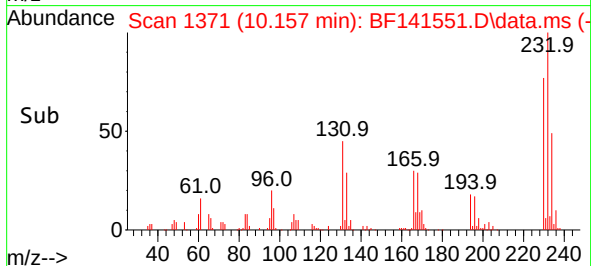
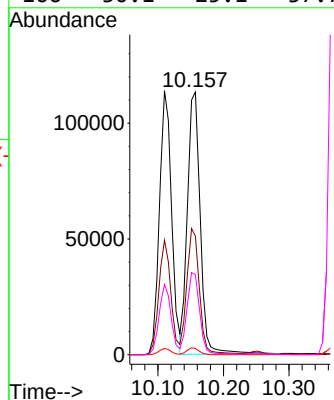
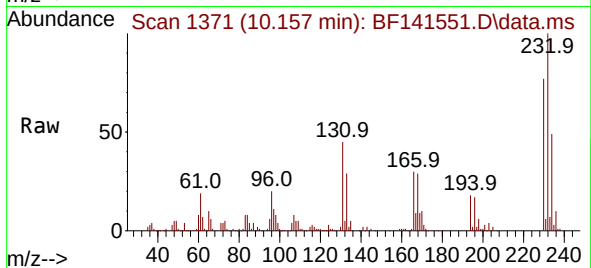




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.919 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

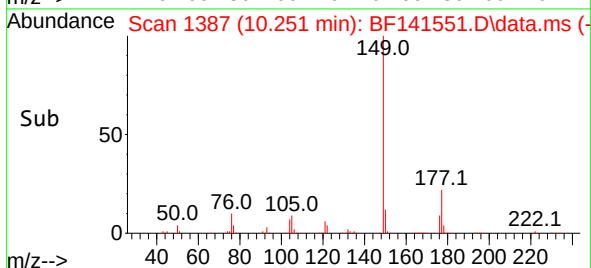
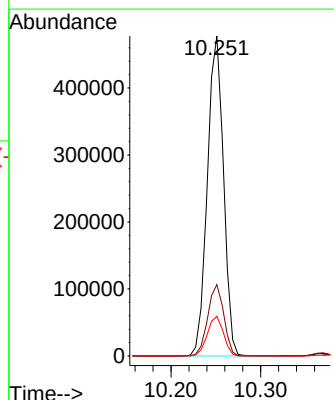
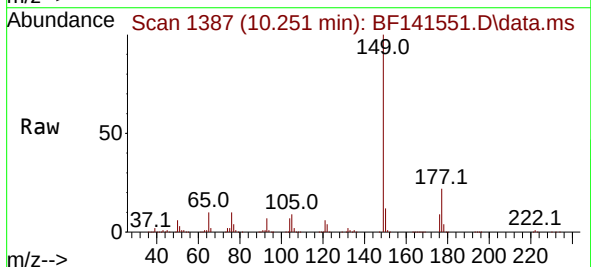
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

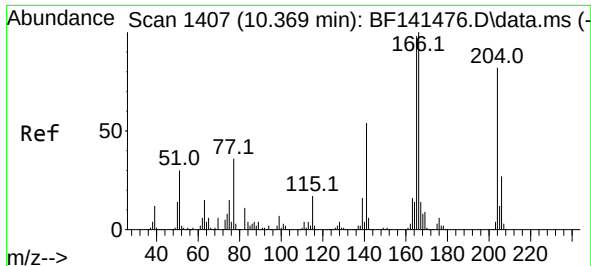
Tgt Ion:232 Resp: 153425
Ion Ratio Lower Upper
232 100
131 46.8 39.2 58.8
130 2.4 2.1 3.1
166 30.1 25.1 37.7



#60
Diethylphthalate
Concen: 40.508 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 596031
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 12.4 10.1 15.1

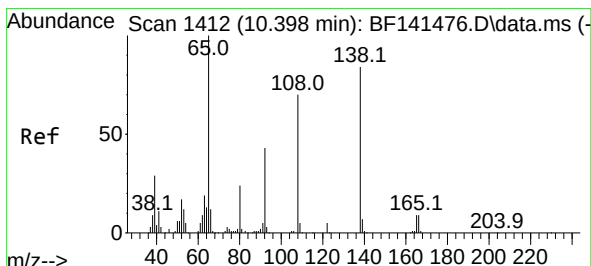
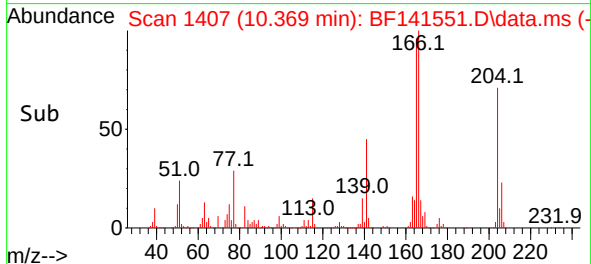
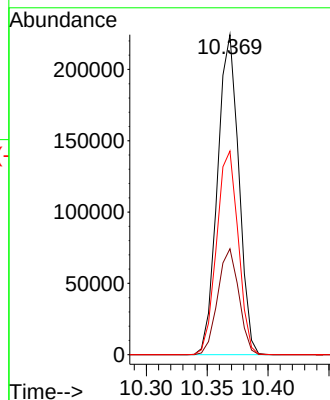
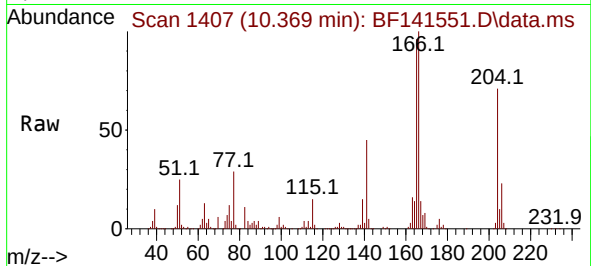




#61
4-Chlorophenyl-phenylether
Concen: 39.647 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

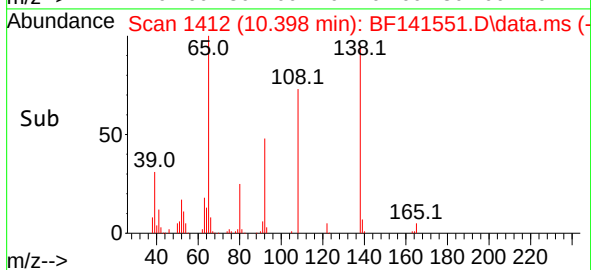
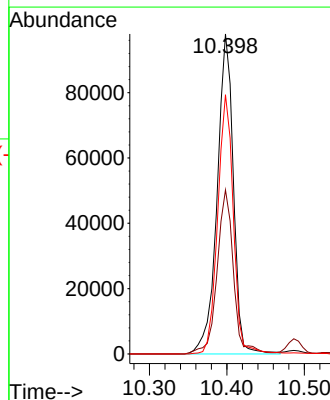
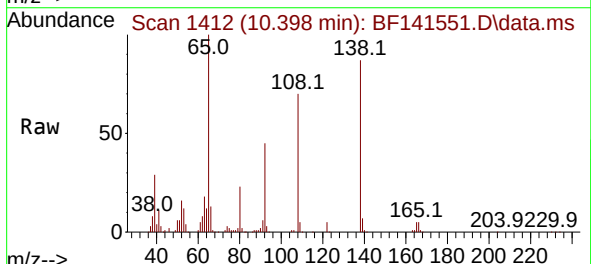
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

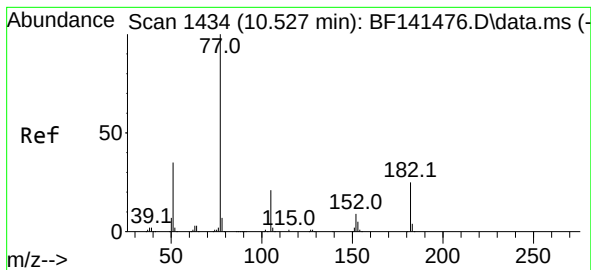
Tgt Ion:204 Resp: 273368
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 63.7 51.9 77.9



#62
4-Nitroaniline
Concen: 39.968 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:138 Resp: 142801
Ion Ratio Lower Upper
138 100
92 51.2 31.3 71.3
108 81.0 63.7 103.7

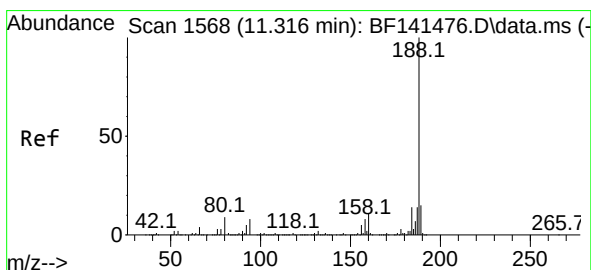
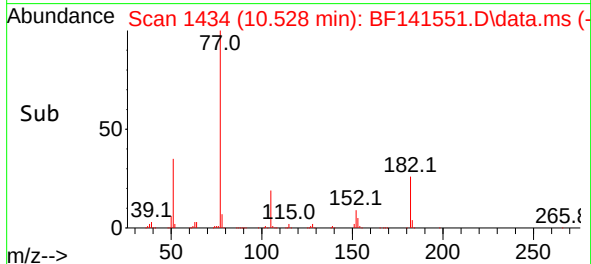
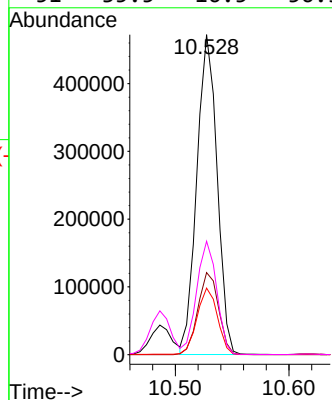
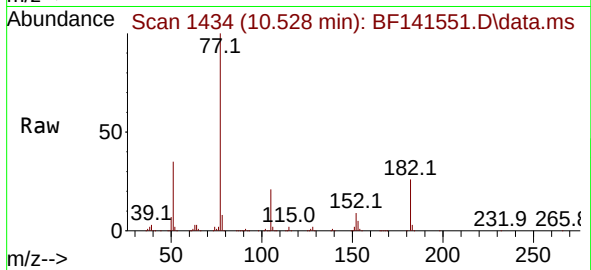




#63
Azobenzene
Concen: 39.907 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

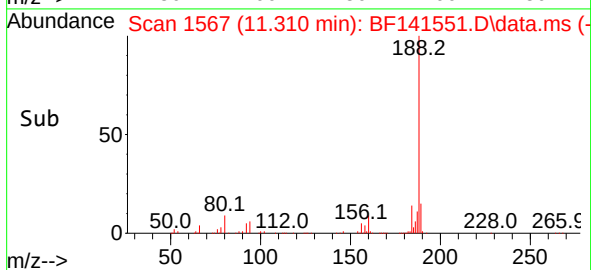
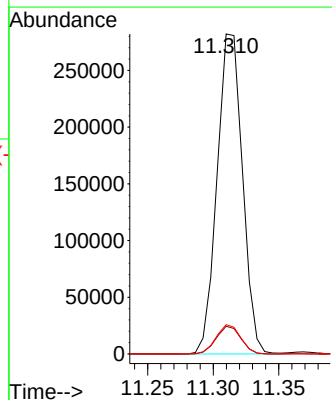
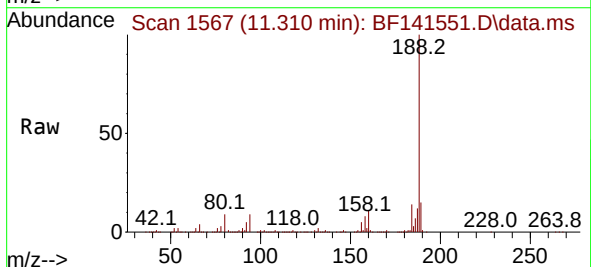
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

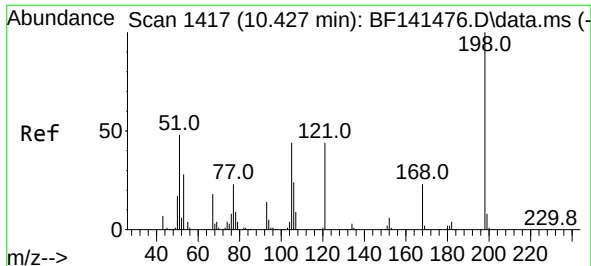
Tgt Ion: 77	Resp: 583738
Ion Ratio	Lower Upper
77 100	
182 25.7	4.7 44.7
105 20.8	0.4 40.4
51 35.5	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 188	Resp: 380364
Ion Ratio	Lower Upper
188 100	
94 8.7	6.6 10.0
80 9.2	7.3 10.9

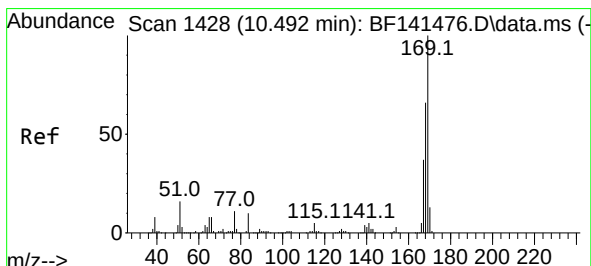
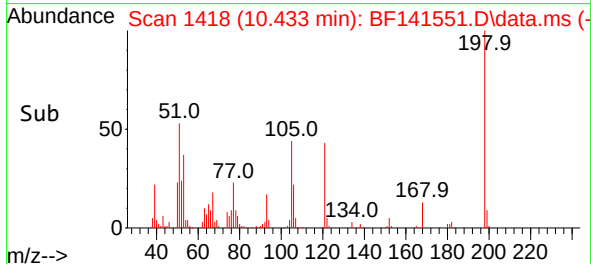
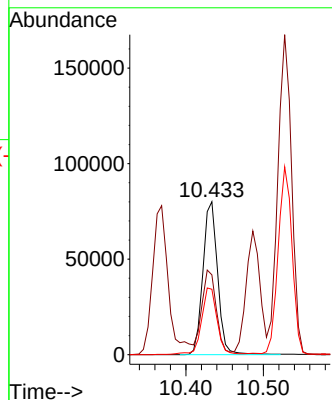
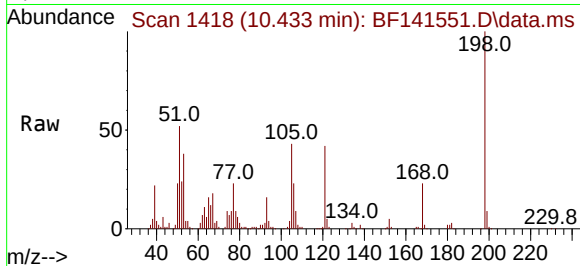




#65
4,6-Dinitro-2-methylphenol
Concen: 39.960 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

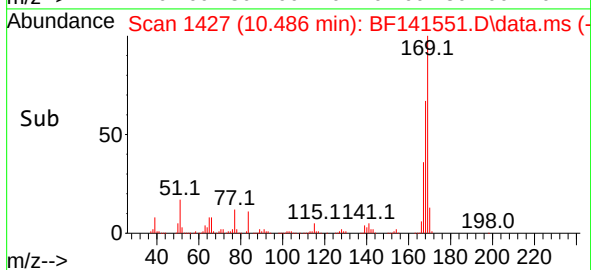
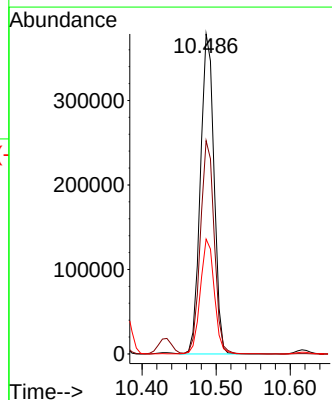
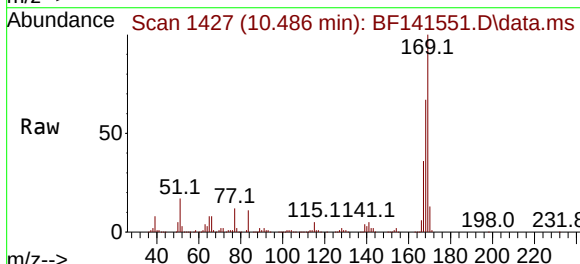
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

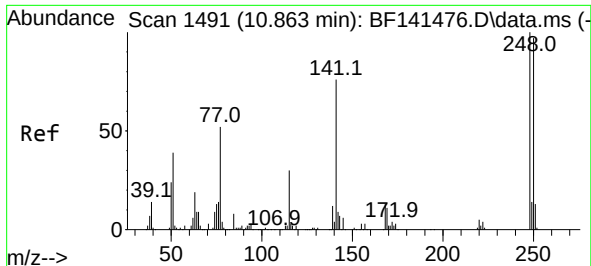
Tgt Ion:198 Resp: 105582
Ion Ratio Lower Upper
198 100
51 52.2 37.4 77.4
105 42.8 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 39.639 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:169 Resp: 482640
Ion Ratio Lower Upper
169 100
168 66.7 53.3 79.9
167 35.9 29.4 44.2

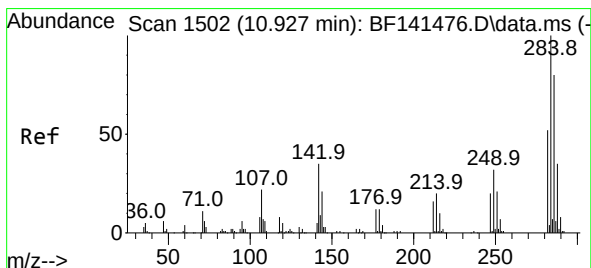
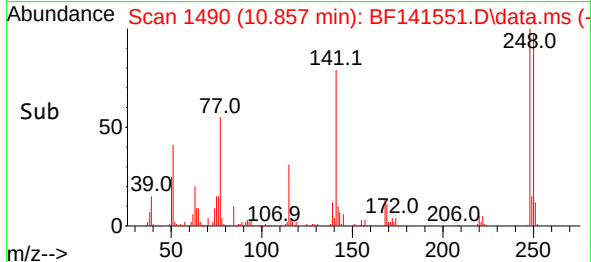
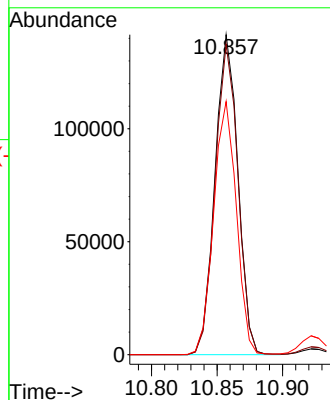
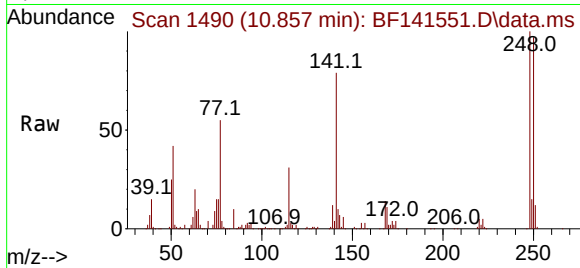




#67
4-Bromophenyl-phenylether
Concen: 40.475 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

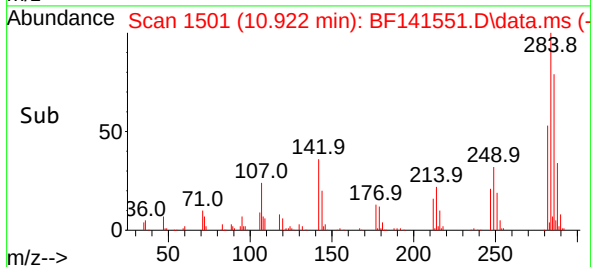
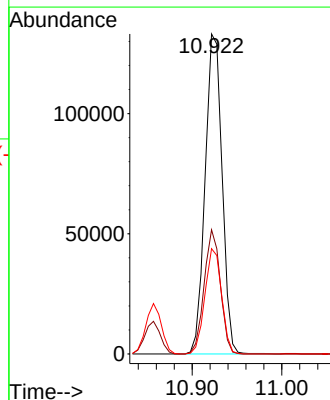
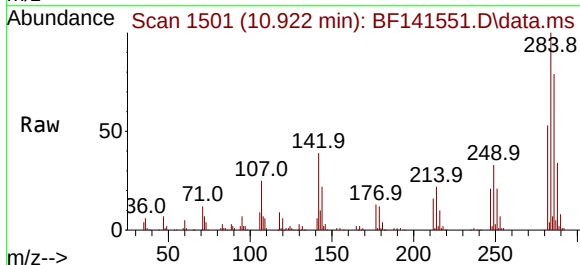
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

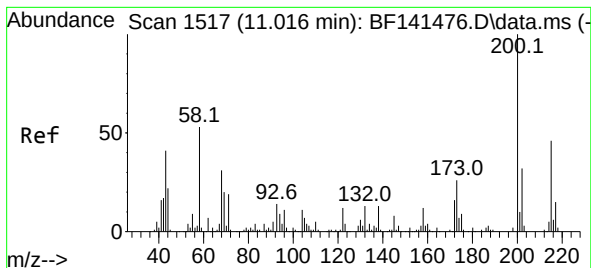
Tgt Ion:	248	Resp:	172060
Ion Ratio	Lower	Upper	
248	100		
250	97.0	77.8	116.6
141	79.1	60.6	90.8



#68
Hexachlorobenzene
Concen: 39.915 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:	284	Resp:	174724
Ion Ratio	Lower	Upper	
284	100		
142	38.8	28.0	42.0
249	32.9	25.8	38.8





#69

Atrazine

Concen: 36.159 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

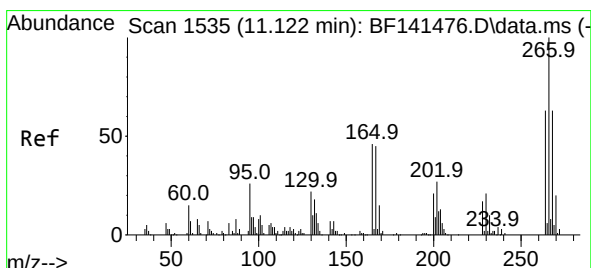
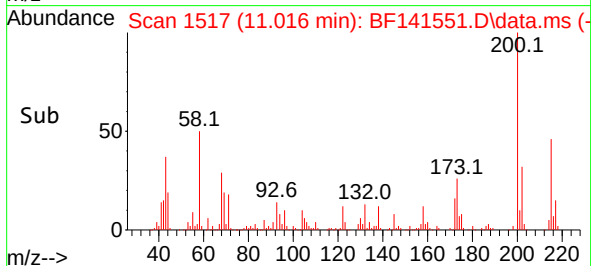
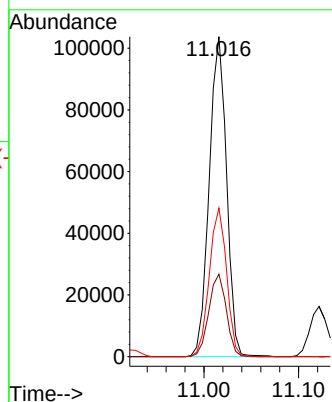
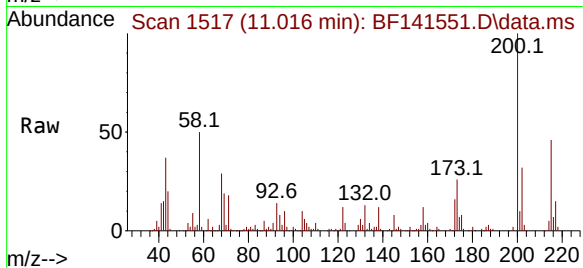
Tgt Ion:200 Resp: 132082

Ion Ratio Lower Upper

200 100

173 25.8 5.9 45.9

215 46.5 25.9 65.9



#70

Pentachlorophenol

Concen: 39.974 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

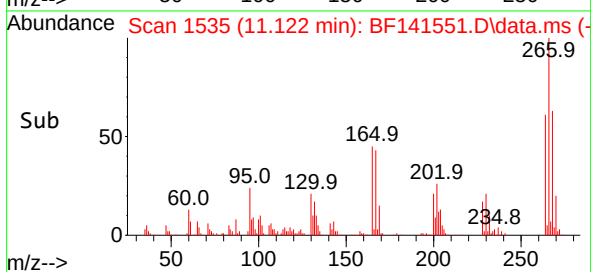
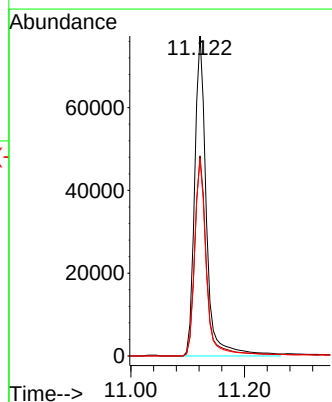
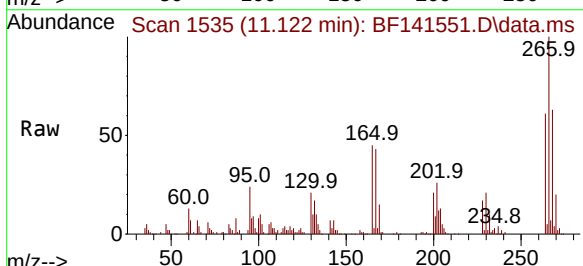
Tgt Ion:266 Resp: 111889

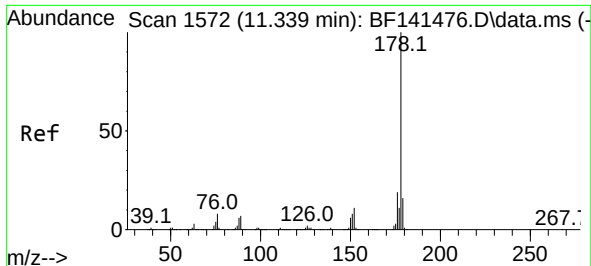
Ion Ratio Lower Upper

266 100

268 62.5 50.1 75.1

264 61.5 50.1 75.1

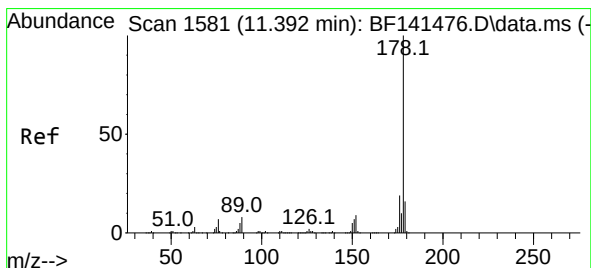
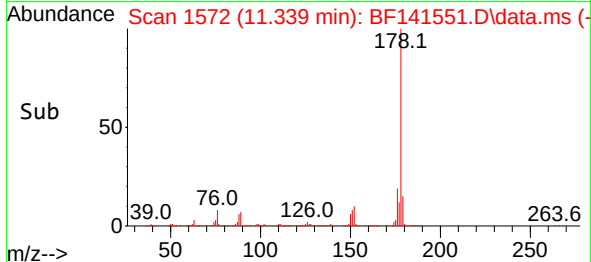
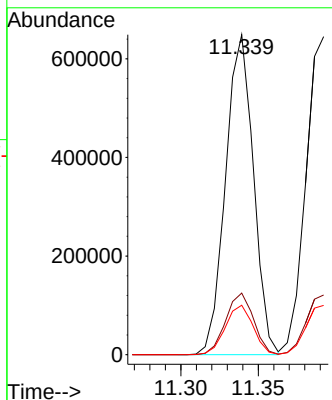
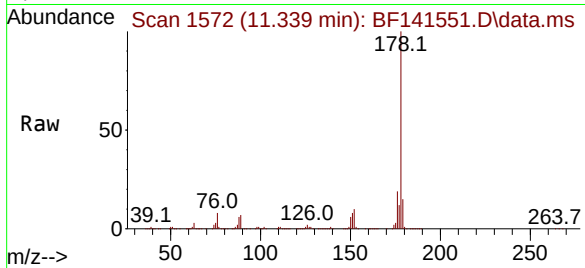




#71
Phenanthrene
Concen: 38.758 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

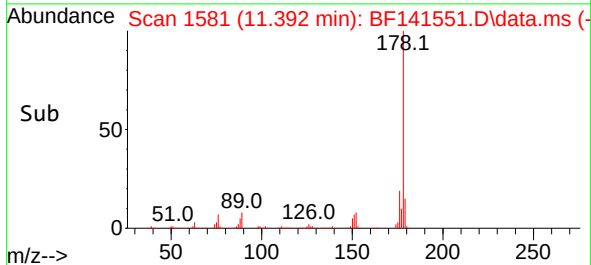
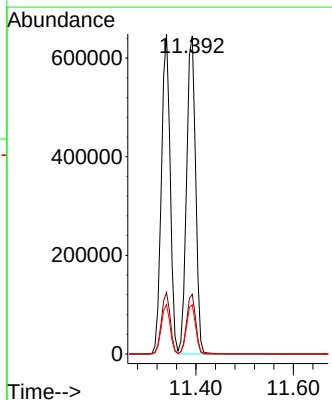
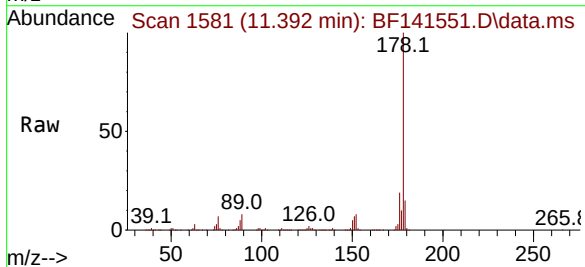
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

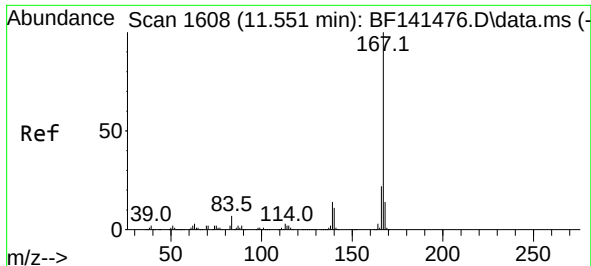
Tgt Ion:178 Resp: 811492
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.5 12.4 18.6



#72
Anthracene
Concen: 39.440 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:178 Resp: 830102
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.5 12.4 18.6

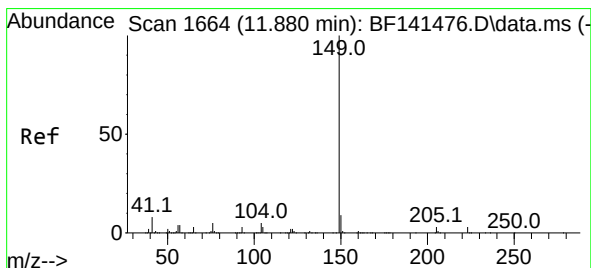
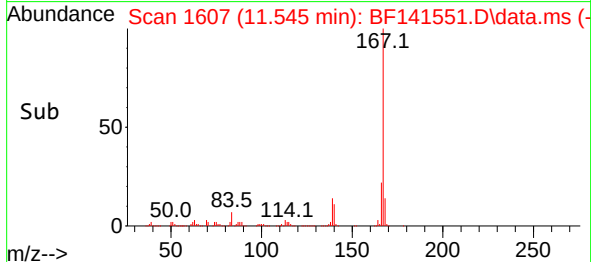
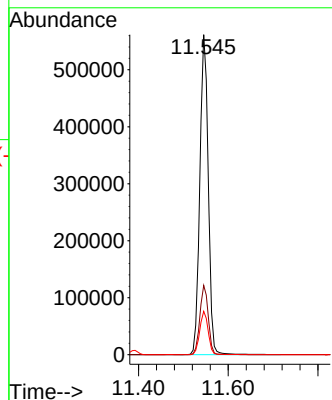
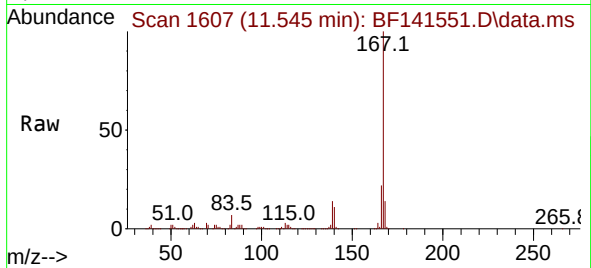




#73
Carbazole
Concen: 38.584 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

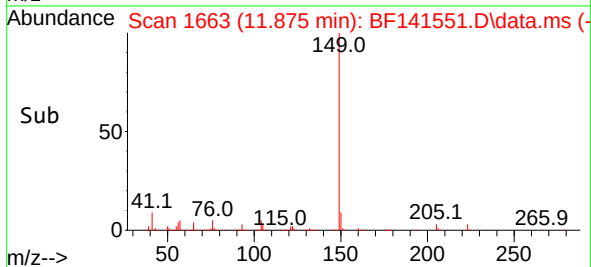
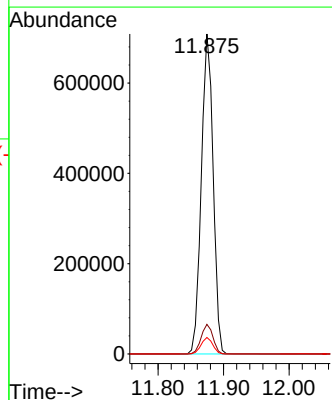
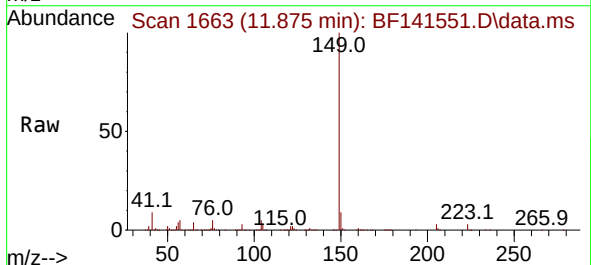
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

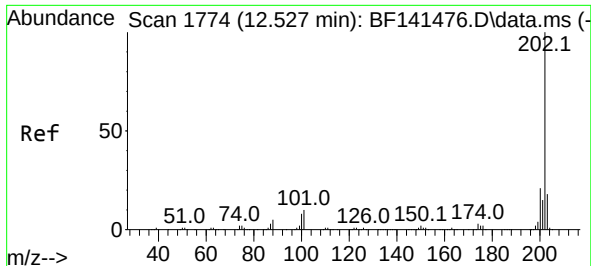
Tgt Ion:167 Resp: 730698
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.2
139 13.6 10.9 16.3



#74
Di-n-butylphthalate
Concen: 40.683 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 889622
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.1 4.2 6.2

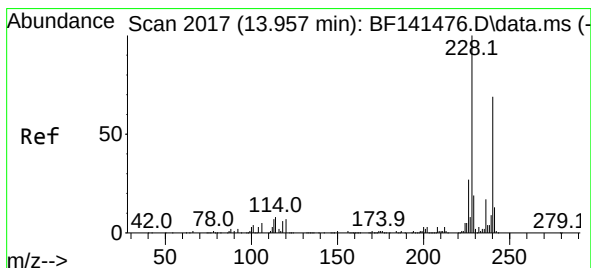
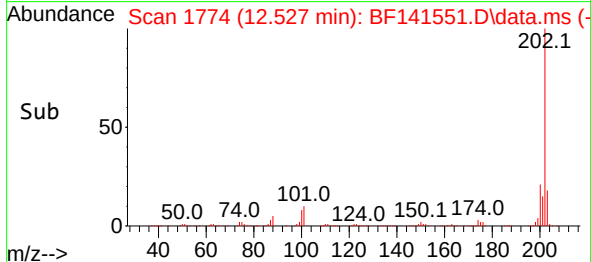
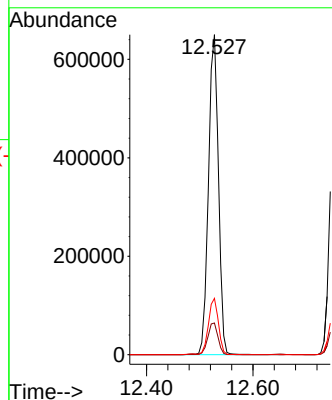
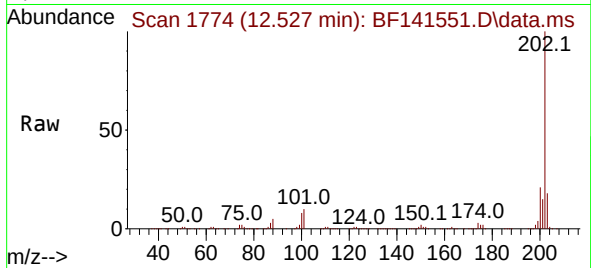




#75
Fluoranthene
Concen: 38.119 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

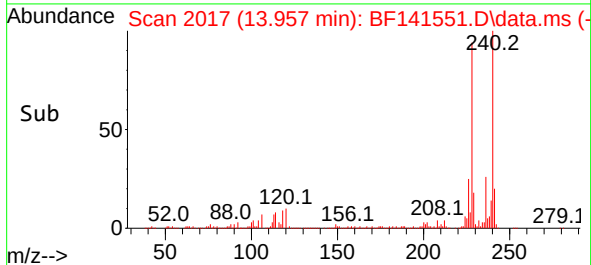
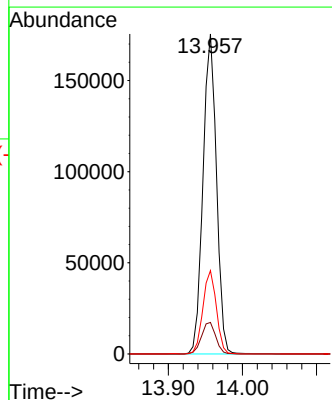
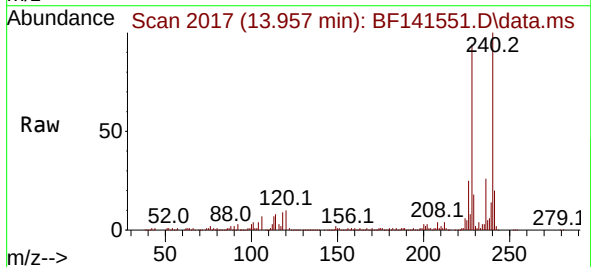
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

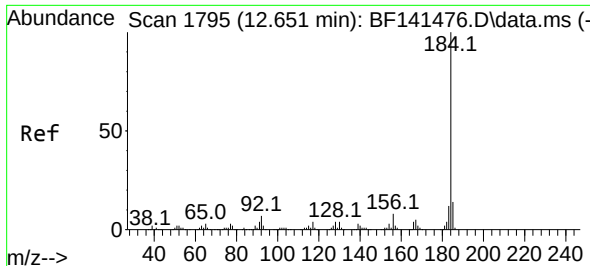
Tgt Ion:202 Resp: 846154
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:240 Resp: 221485
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 26.1 19.8 29.8

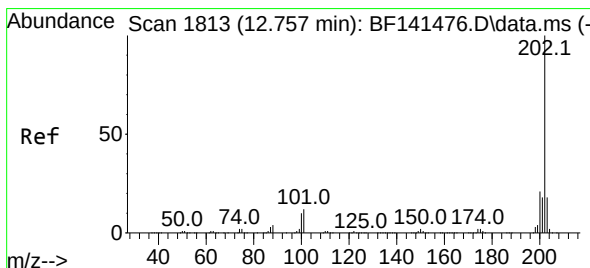
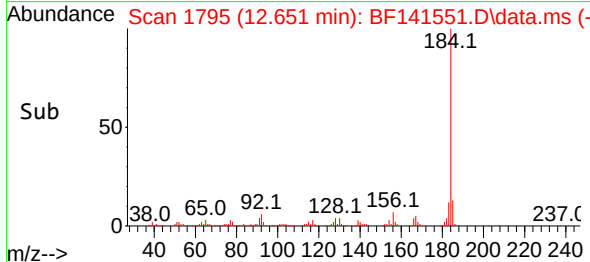
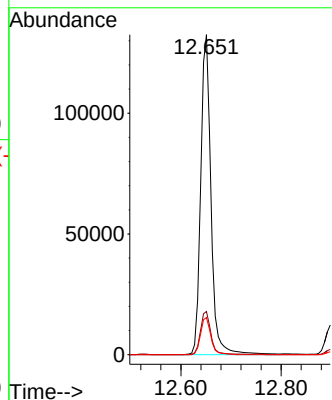
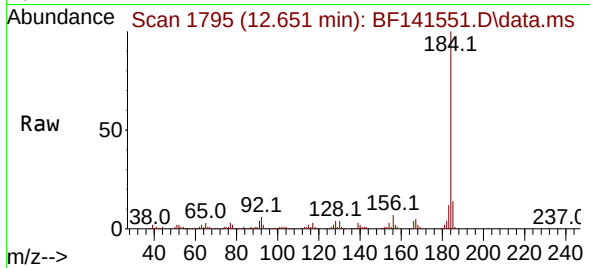




#77
Benzidine
Concen: 38.458 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

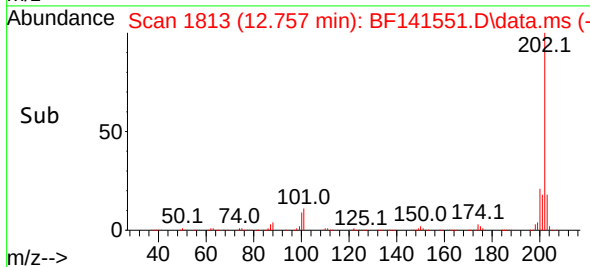
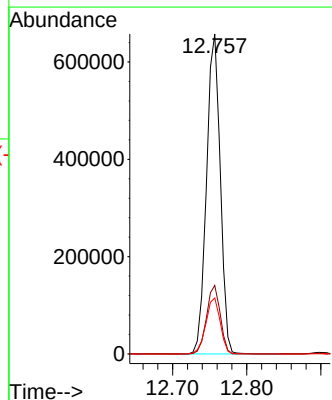
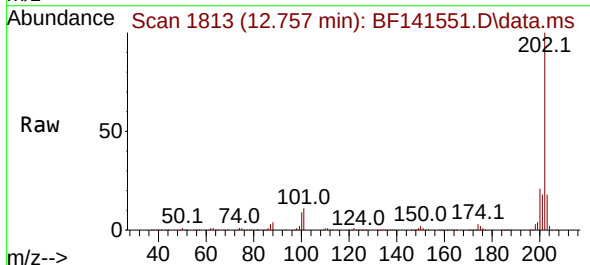
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

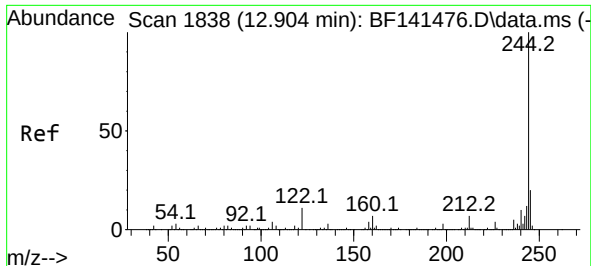
Tgt Ion:184 Resp: 187856
Ion Ratio Lower Upper
184 100
185 13.5 11.3 16.9
183 11.6 9.3 13.9



#78
Pyrene
Concen: 44.958 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

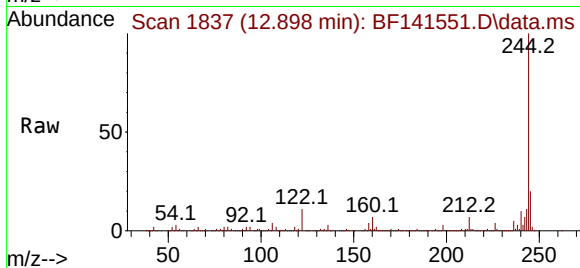
Tgt Ion:202 Resp: 847654
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.5 14.3 21.5





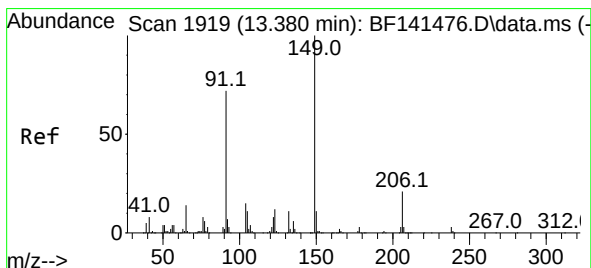
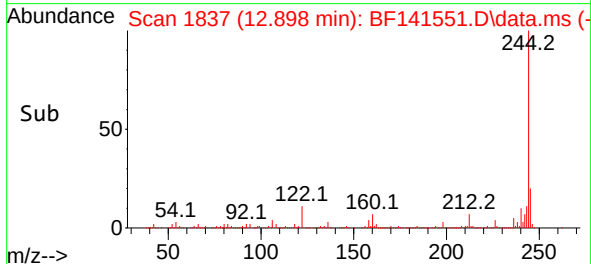
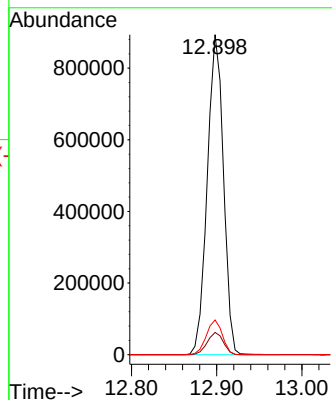
#79
 Terphenyl-d14
 Concen: 89.840 ng
 RT: 12.898 min Scan# 1178679
 Delta R.T. -0.006 min
 Lab File: BF141551.D
 Acq: 11 Feb 2025 10:28

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



Tgt Ion:244 Resp: 1178679

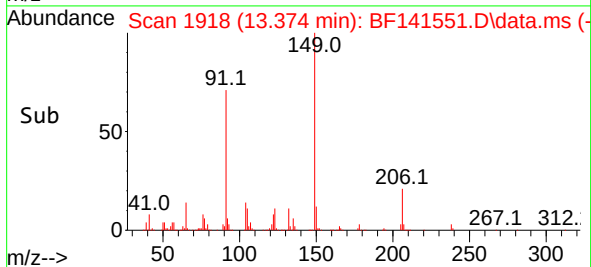
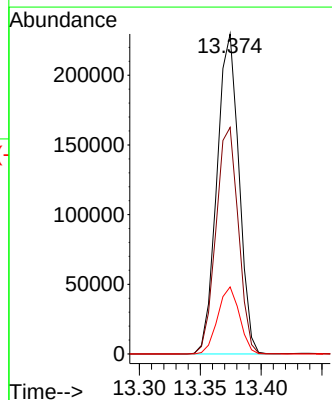
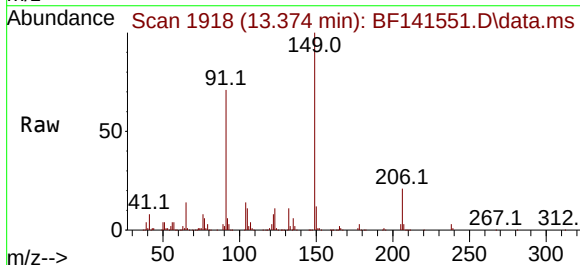
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	8.4	12.6

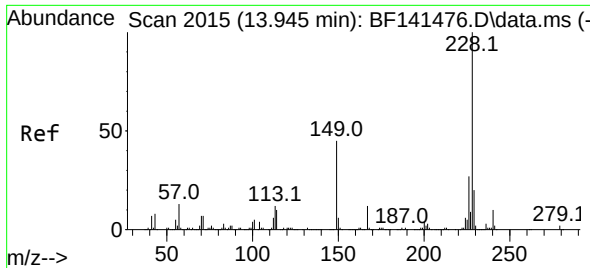


#80
 Butylbenzylphthalate
 Concen: 44.364 ng
 RT: 13.374 min Scan# 1918
 Delta R.T. -0.006 min
 Lab File: BF141551.D
 Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 289726

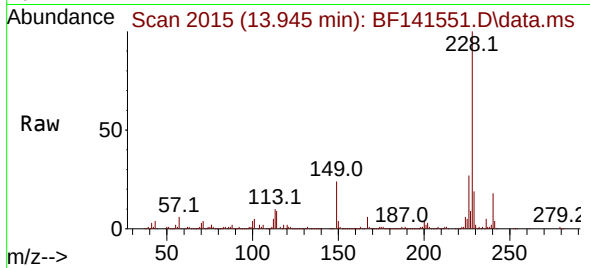
Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.8	86.8
206	21.0	16.7	25.1



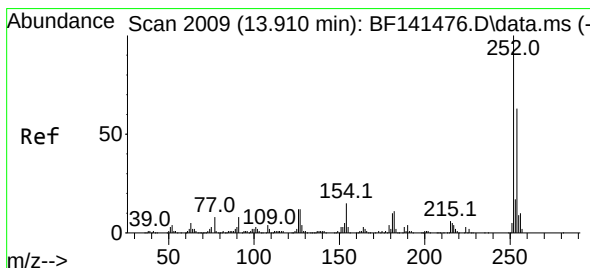
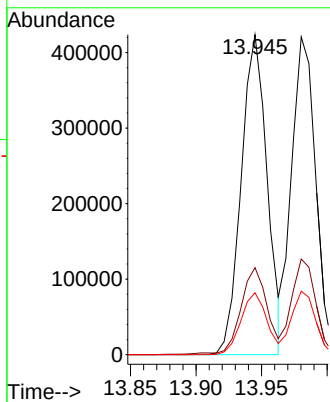
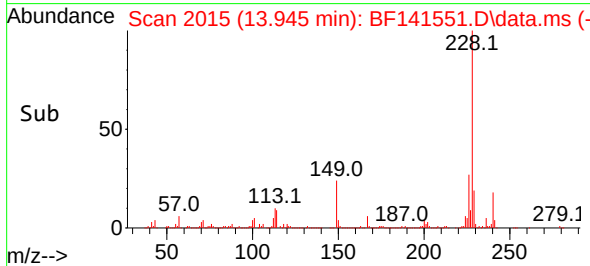


#81
Benzo(a)anthracene
Concen: 39.517 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

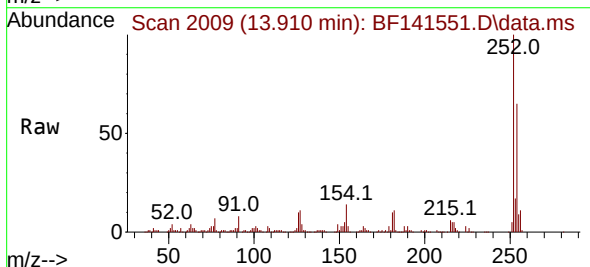
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



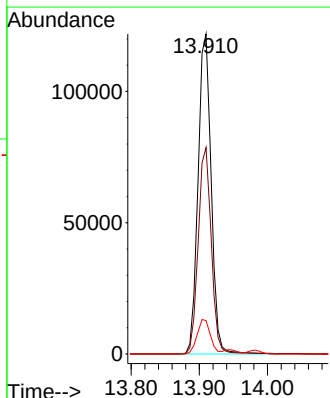
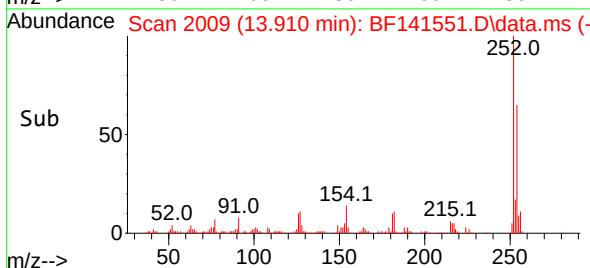
Tgt Ion:228 Resp: 581807
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.4 15.8 23.6

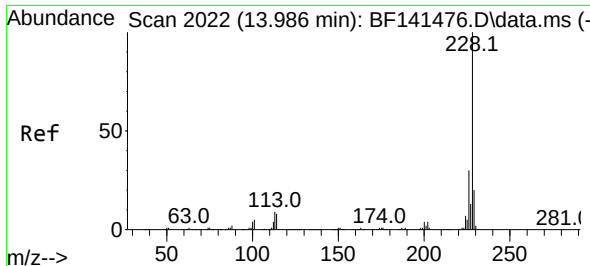


#82
3,3'-Dichlorobenzidine
Concen: 38.611 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28



Tgt Ion:252 Resp: 162839
Ion Ratio Lower Upper
252 100
254 64.5 50.6 76.0
126 10.5 9.3 13.9

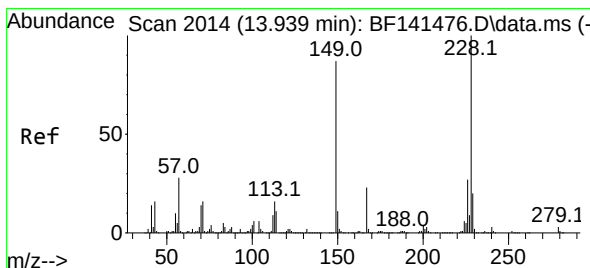
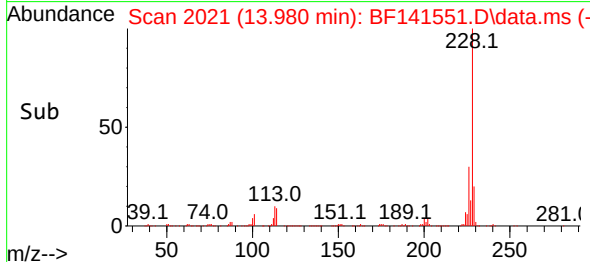
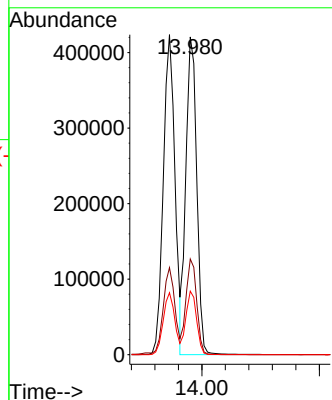
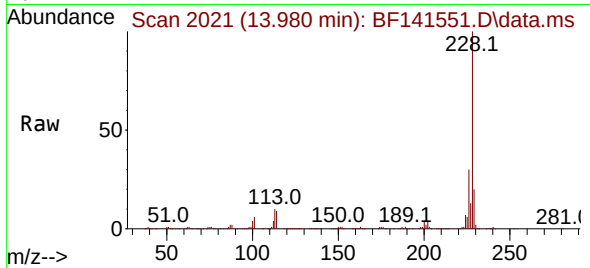




#83
Chrysene
Concen: 39.623 ng
RT: 13.980 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

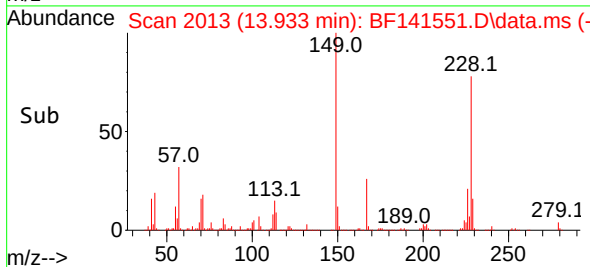
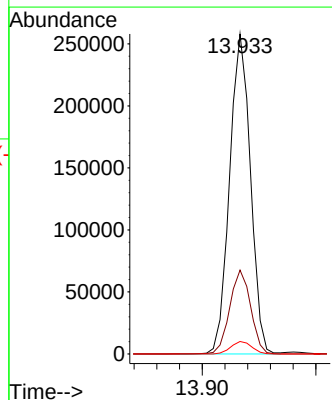
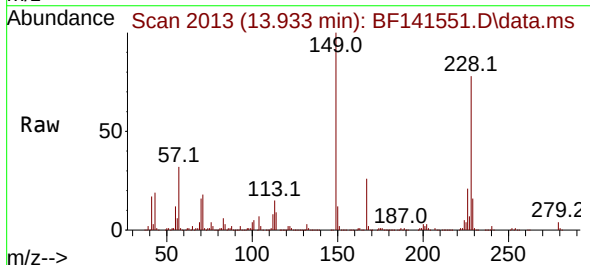
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

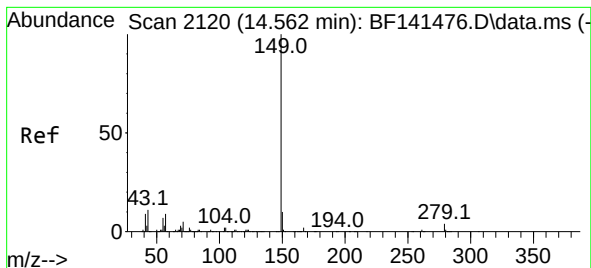
Tgt Ion:228 Resp: 538648
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 20.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.551 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 328143
Ion Ratio Lower Upper
149 100
167 26.2 21.4 32.0
279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 43.848 ng

RT: 14.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

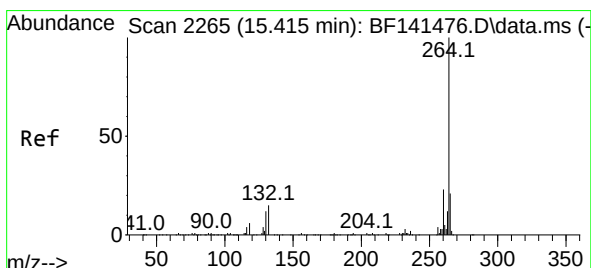
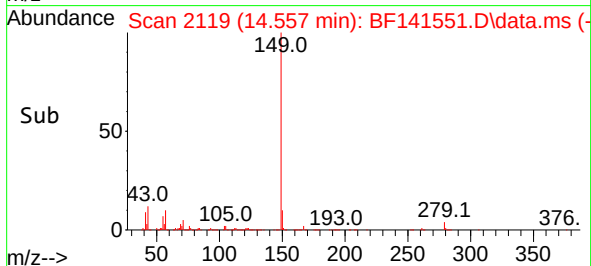
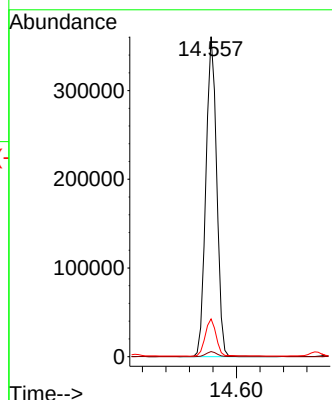
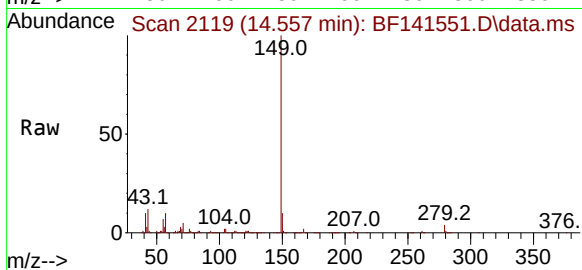
Tgt Ion:149 Resp: 460738

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: 15.410 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

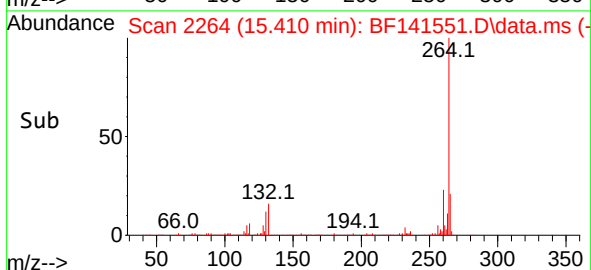
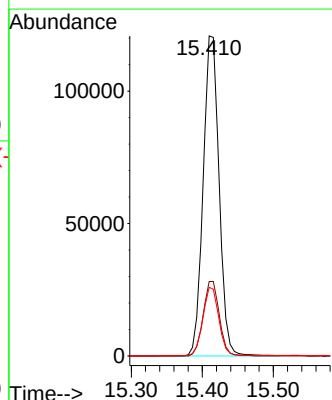
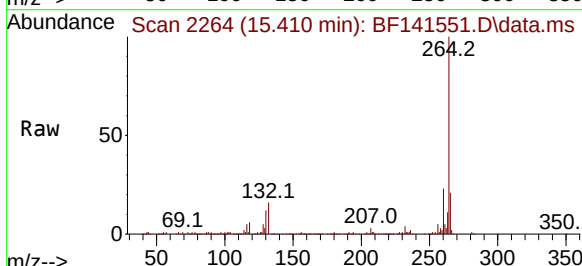
Tgt Ion:264 Resp: 189149

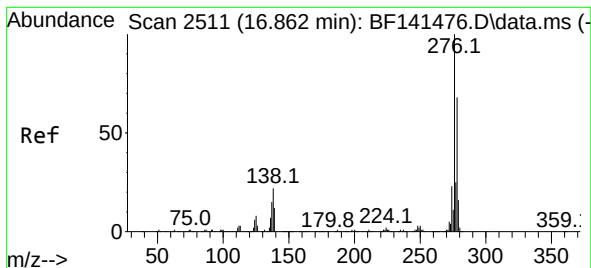
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.910 ng

RT: 16.857 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

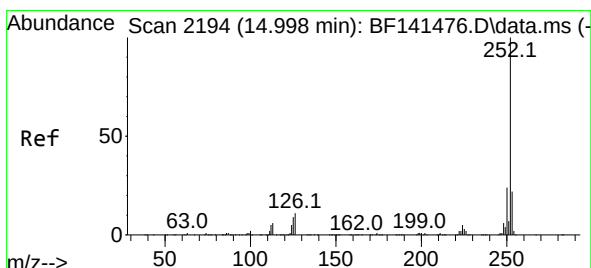
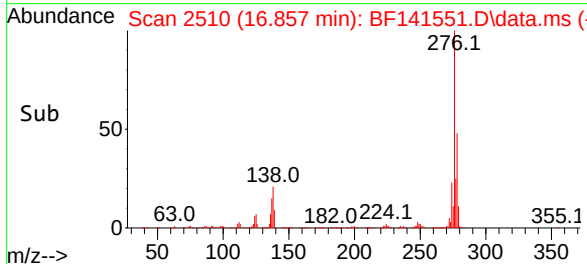
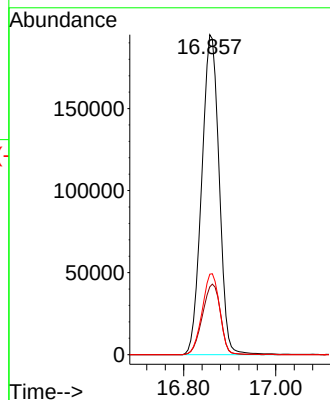
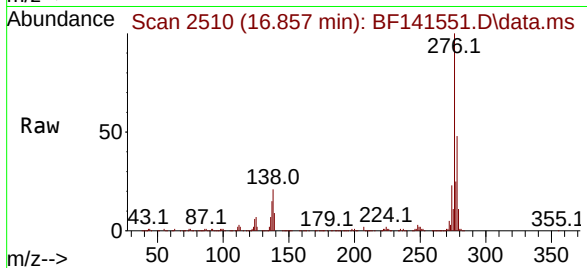
Tgt Ion:276 Resp: 513192

Ion Ratio Lower Upper

276 100

138 22.8 18.0 27.0

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 39.131 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF141551.D

Acq: 11 Feb 2025 10:28

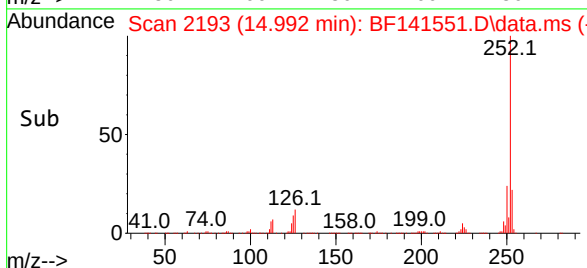
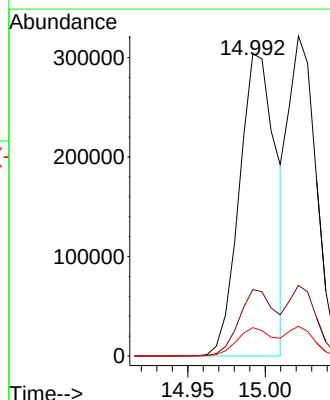
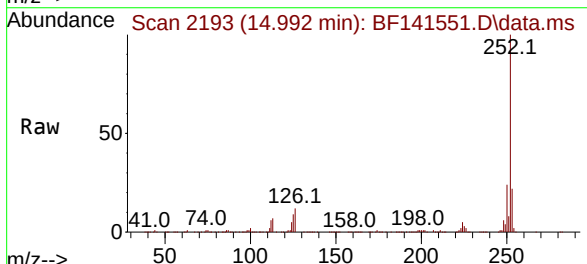
Tgt Ion:252 Resp: 496986

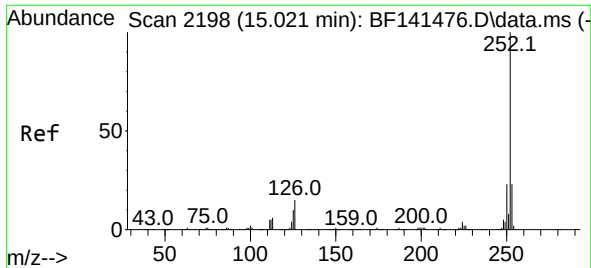
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.4 7.0 10.6

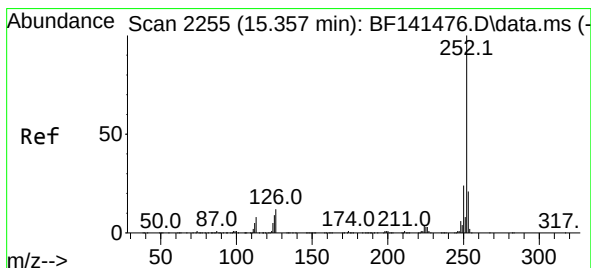
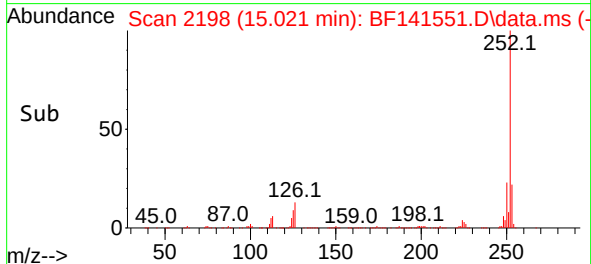
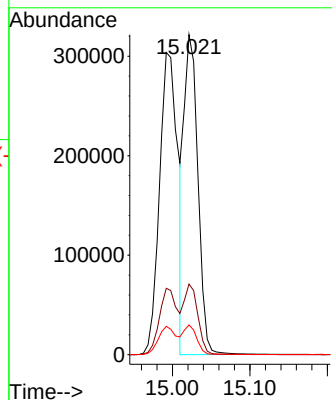
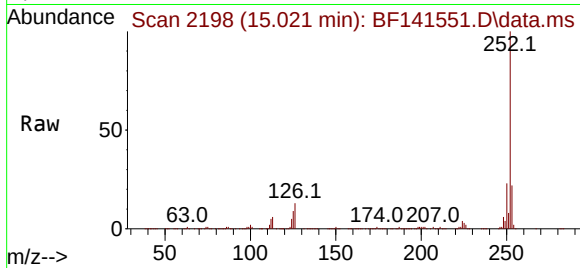




#89
Benzo(k)fluoranthene
Concen: 37.036 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

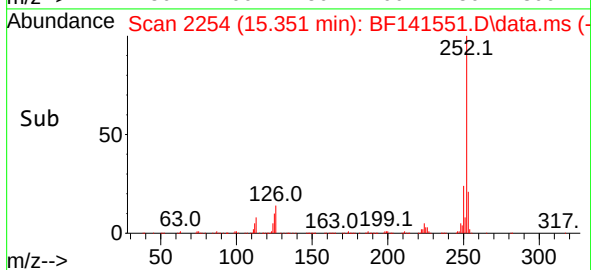
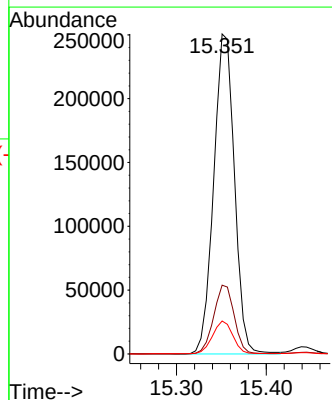
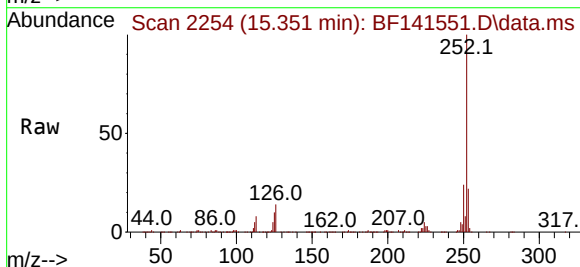
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

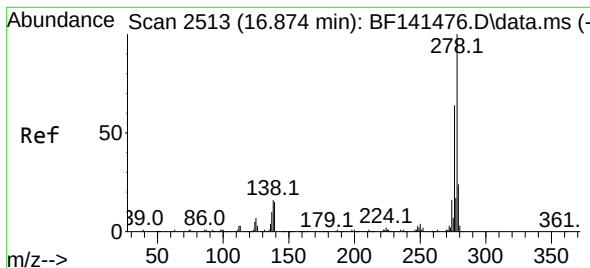
Tgt Ion:252 Resp: 401654
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.3 7.4 11.0



#90
Benzo(a)pyrene
Concen: 39.215 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 403008
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 10.3 7.4 11.2



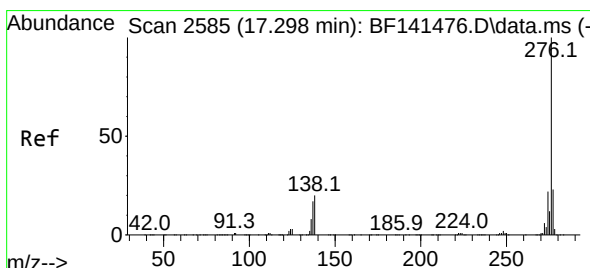
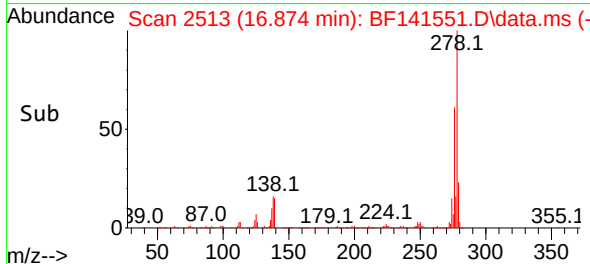
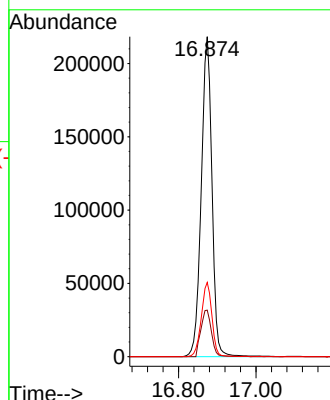
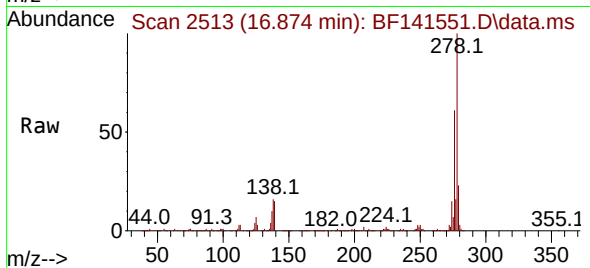


#91
Dibenzo(a,h)anthracene
Concen: 44.174 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 418333

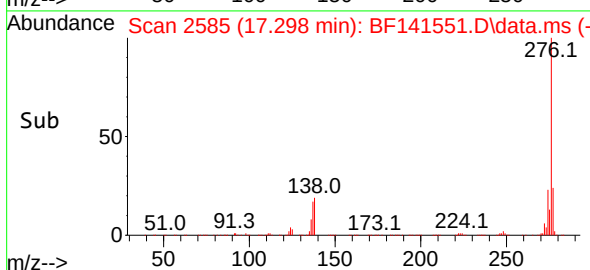
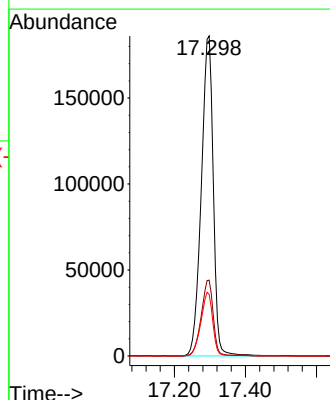
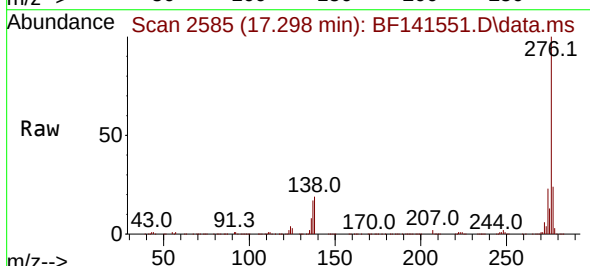
Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.8	17.6
279	23.2	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 44.116 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:276 Resp: 437196

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	19.3	15.9	23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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	113	0.00
2	1,4-Dioxane	0.513	0.499	2.7	109	0.00
3	Pyridine	1.222	1.225	-0.2	110	0.00
4	n-Nitrosodimethylamine	0.809	0.779	3.7	108	-0.02
5 S	2-Fluorophenol	1.276	1.265	0.9	111	0.00
6	Aniline	1.513	1.497	1.1	110	-0.01
7 S	Phenol-d6	1.612	1.593	1.2	112	0.00
8	2-Chlorophenol	1.378	1.375	0.2	113	0.00
9	Benzaldehyde	0.857	0.753	12.1	104	0.00
10 C	Phenol	1.678	1.648	1.8	111	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.246	1.2	111	0.00
12	1,3-Dichlorobenzene	1.455	1.456	-0.1	115	0.00
13 C	1,4-Dichlorobenzene	1.487	1.468	1.3	113	0.00
14	1,2-Dichlorobenzene	1.380	1.367	0.9	113	0.00
15	Benzyl Alcohol	1.236	1.229	0.6	110	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.126	1.5	111	0.00
17	2-Methylphenol	1.079	1.043	3.3	110	0.00
18	Hexachloroethane	0.550	0.547	0.5	112	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.956	0.8	112	0.00
20	3+4-Methylphenols	1.371	1.332	2.8	110	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	114	0.00
22	Acetophenone	0.498	0.484	2.8	111	0.00
23 S	Nitrobenzene-d5	0.383	0.379	1.0	112	0.00
24	Nitrobenzene	0.374	0.368	1.6	112	0.00
25	Isophorone	0.611	0.609	0.3	113	0.00
26 C	2-Nitrophenol	0.186	0.189	-1.6	112	0.00
27	2,4-Dimethylphenol	0.217	0.221	-1.8	113	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.398	-1.5	115	0.00
29 C	2,4-Dichlorophenol	0.294	0.295	-0.3	113	0.00
30	1,2,4-Trichlorobenzene	0.320	0.319	0.3	114	0.00
31	Naphthalene	1.041	1.028	1.2	113	0.00
32	Benzoic acid	0.226	0.215	4.9	107	-0.03
33	4-Chloroaniline	0.363	0.326	10.2	102	-0.01
34 C	Hexachlorobutadiene	0.192	0.193	-0.5	114	0.00
35	Caprolactam	0.089	0.091	-2.2	112	-0.02
36 C	4-Chloro-3-methylphenol	0.325	0.324	0.3	112	0.00
37	2-Methylnaphthalene	0.677	0.671	0.9	114	0.00
38	1-Methylnaphthalene	0.656	0.643	2.0	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.575	0.7	112	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.181	5.7	101	0.00
42 S	2,4,6-Tribromophenol	0.201	0.201	0.0	114	-0.01
43 C	2,4,6-Trichlorophenol	0.374	0.373	0.3	113	0.00
44	2,4,5-Trichlorophenol	0.405	0.401	1.0	111	0.00
45 S	2-Fluorobiphenyl	1.298	1.271	2.1	114	0.00
46	1,1'-Biphenyl	1.551	1.544	0.5	114	0.00
47	2-Chloronaphthalene	1.147	1.123	2.1	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141551.D
 Acq On : 11 Feb 2025 10:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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	0.372	3.4	109	0.00
49	Acenaphthylene	1.705	1.686	1.1	113	0.00
50	Dimethylphthalate	1.358	1.360	-0.1	115	-0.01
51	2,6-Dinitrotoluene	0.297	0.295	0.7	112	0.00
52 C	Acenaphthene	1.147	1.121	2.3	111	0.00
53	3-Nitroaniline	0.319	0.310	2.8	111	0.00
54 P	2,4-Dinitrophenol	0.176	0.181	-2.8	116	0.00
55	Dibenzofuran	1.683	1.653	1.8	113	0.00
56 P	4-Nitrophenol	0.237	0.233	1.7	106	-0.01
57	2,4-Dinitrotoluene	0.395	0.398	-0.8	114	0.00
58	Fluorene	1.301	1.291	0.8	114	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.348	0.3	114	0.00
60	Diethylphthalate	1.336	1.353	-1.3	116	0.00
61	4-Chlorophenyl-phenylether	0.626	0.620	1.0	114	0.00
62	4-Nitroaniline	0.324	0.324	0.0	110	-0.02
63	Azobenzene	1.328	1.325	0.2	114	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.139	0.0	111	0.00
66 c	n-Nitrosodiphenylamine	0.640	0.634	0.9	114	-0.01
67	4-Bromophenyl-phenylether	0.224	0.226	-0.9	116	0.00
68	Hexachlorobenzene	0.230	0.230	0.0	114	0.00
69	Atrazine	0.192	0.174	9.4	106	0.00
70 C	Pentachlorophenol	0.147	0.147	0.0	108	0.00
71	Phenanthrene	1.101	1.067	3.1	111	0.00
72	Anthracene	1.107	1.091	1.4	114	0.00
73	Carbazole	0.996	0.961	3.5	110	0.00
74	Di-n-butylphthalate	1.150	1.169	-1.7	116	0.00
75 C	Fluoranthene	1.167	1.112	4.7	109	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77	Benzidine	0.441	0.424	3.9	79	0.00
78	Pyrene	1.703	1.914	-12.4	108	0.00
79 S	Terphenyl-d14	1.185	1.330	-12.2	109	0.00
80	Butylbenzylphthalate	0.590	0.654	-10.8	105	0.00
81	Benzo(a)anthracene	1.329	1.313	1.2	96	0.00
82	3,3'-Dichlorobenzidine	0.381	0.368	3.4	96	0.00
83	Chrysene	1.228	1.216	1.0	99	-0.01
84	Bis(2-ethylhexyl)phthalate	0.665	0.741	-11.4	106	0.00
85 c	Di-n-octyl phthalate	0.949	1.040	-9.6	106	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.236	1.357	-9.8	109	-0.02
88	Benzo(b)fluoranthene	1.343	1.314	2.2	102	-0.01
89	Benzo(k)fluoranthene	1.147	1.062	7.4	96	-0.01
90 C	Benzo(a)pyrene	1.087	1.065	2.0	102	-0.01
91	Dibenzo(a,h)anthracene	1.001	1.106	-10.5	109	-0.02
92	Benzo(g,h,i)perylene	1.048	1.156	-10.3	109	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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	113	0.00
2	1,4-Dioxane	40.000	38.862	2.8	109	0.00
3	Pyridine	40.000	40.110	-0.3	110	0.00
4	n-Nitrosodimethylamine	40.000	38.528	3.7	108	-0.02
5 S	2-Fluorophenol	80.000	79.356	0.8	111	0.00
6	Aniline	40.000	39.588	1.0	110	-0.01
7 S	Phenol-d6	80.000	79.040	1.2	112	0.00
8	2-Chlorophenol	40.000	39.889	0.3	113	0.00
9	Benzaldehyde	40.000	35.155	12.1	104	0.00
10 C	Phenol	40.000	39.274	1.8	111	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.527	1.2	111	0.00
12	1,3-Dichlorobenzene	40.000	40.029	-0.1	115	0.00
13 C	1,4-Dichlorobenzene	40.000	39.495	1.3	113	0.00
14	1,2-Dichlorobenzene	40.000	39.630	0.9	113	0.00
15	Benzyl Alcohol	40.000	39.763	0.6	110	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.413	1.5	111	0.00
17	2-Methylphenol	40.000	38.662	3.3	110	0.00
18	Hexachloroethane	40.000	39.762	0.6	112	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.642	0.9	112	0.00
20	3+4-Methylphenols	40.000	38.863	2.8	110	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	114	0.00
22	Acetophenone	40.000	38.884	2.8	111	0.00
23 S	Nitrobenzene-d5	80.000	79.150	1.1	112	0.00
24	Nitrobenzene	40.000	39.421	1.4	112	0.00
25	Isophorone	40.000	39.870	0.3	113	0.00
26 C	2-Nitrophenol	40.000	40.688	-1.7	112	0.00
27	2,4-Dimethylphenol	40.000	40.742	-1.9	113	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.602	-1.5	115	0.00
29 C	2,4-Dichlorophenol	40.000	40.207	-0.5	113	0.00
30	1,2,4-Trichlorobenzene	40.000	39.881	0.3	114	0.00
31	Naphthalene	40.000	39.496	1.3	113	0.00
32	Benzoic acid	40.000	38.109	4.7	107	-0.03
33	4-Chloroaniline	40.000	35.922	10.2	102	-0.01
34 C	Hexachlorobutadiene	40.000	40.212	-0.5	114	0.00
35	Caprolactam	40.000	40.821	-2.1	112	-0.02
36 C	4-Chloro-3-methylphenol	40.000	39.838	0.4	112	0.00
37	2-Methylnaphthalene	40.000	39.589	1.0	114	0.00
38	1-Methylnaphthalene	40.000	39.172	2.1	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.721	0.7	112	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.607	6.0	101	0.00
42 S	2,4,6-Tribromophenol	80.000	79.892	0.1	114	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.916	0.2	113	0.00
44	2,4,5-Trichlorophenol	40.000	39.574	1.1	111	0.00
45 S	2-Fluorobiphenyl	80.000	78.338	2.1	114	0.00
46	1,1'-Biphenyl	40.000	39.828	0.4	114	0.00
47	2-Chloronaphthalene	40.000	39.175	2.1	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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	38.652	3.4	109	0.00
49	Acenaphthylene	40.000	39.549	1.1	113	0.00
50	Dimethylphthalate	40.000	40.052	-0.1	115	-0.01
51	2,6-Dinitrotoluene	40.000	39.707	0.7	112	0.00
52 C	Acenaphthene	40.000	39.125	2.2	111	0.00
53	3-Nitroaniline	40.000	38.855	2.9	111	0.00
54 P	2,4-Dinitrophenol	40.000	41.042	-2.6	116	0.00
55	Dibenzofuran	40.000	39.291	1.8	113	0.00
56 P	4-Nitrophenol	40.000	39.275	1.8	106	-0.01
57	2,4-Dinitrotoluene	40.000	40.316	-0.8	114	0.00
58	Fluorene	40.000	39.674	0.8	114	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.919	0.2	114	0.00
60	Diethylphthalate	40.000	40.508	-1.3	116	0.00
61	4-Chlorophenyl-phenylether	40.000	39.647	0.9	114	0.00
62	4-Nitroaniline	40.000	39.968	0.1	110	-0.02
63	Azobenzene	40.000	39.907	0.2	114	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	113	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.960	0.1	111	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.639	0.9	114	-0.01
67	4-Bromophenyl-phenylether	40.000	40.475	-1.2	116	0.00
68	Hexachlorobenzene	40.000	39.915	0.2	114	0.00
69	Atrazine	40.000	36.159	9.6	106	0.00
70 C	Pentachlorophenol	40.000	39.974	0.1	108	0.00
71	Phenanthrene	40.000	38.758	3.1	111	0.00
72	Anthracene	40.000	39.440	1.4	114	0.00
73	Carbazole	40.000	38.584	3.5	110	0.00
74	Di-n-butylphthalate	40.000	40.683	-1.7	116	0.00
75 C	Fluoranthene	40.000	38.119	4.7	109	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77	Benzidine	40.000	38.458	3.9	79	0.00
78	Pyrene	40.000	44.958	-12.4	108	0.00
79 S	Terphenyl-d14	80.000	89.840	-12.3	109	0.00
80	Butylbenzylphthalate	40.000	44.364	-10.9	105	0.00
81	Benzo(a)anthracene	40.000	39.517	1.2	96	0.00
82	3,3'-Dichlorobenzidine	40.000	38.611	3.5	96	0.00
83	Chrysene	40.000	39.623	0.9	99	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	44.551	-11.4	106	0.00
85 c	Di-n-octyl phthalate	40.000	43.848	-9.6	106	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.910	-9.8	109	-0.02
88	Benzo(b)fluoranthene	40.000	39.131	2.2	102	-0.01
89	Benzo(k)fluoranthene	40.000	37.036	7.4	96	-0.01
90 C	Benzo(a)pyrene	40.000	39.215	2.0	102	-0.01
91	Dibenzo(a,h)anthracene	40.000	44.174	-10.4	109	-0.02
92	Benzo(g,h,i)perylene	40.000	44.116	-10.3	109	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 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 16:58:59 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

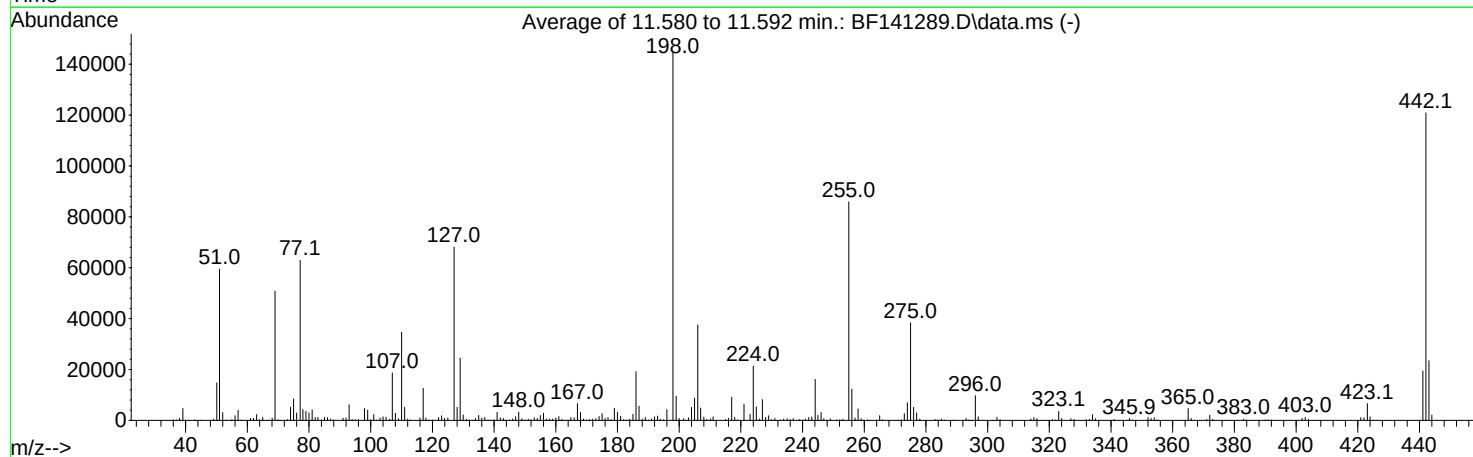
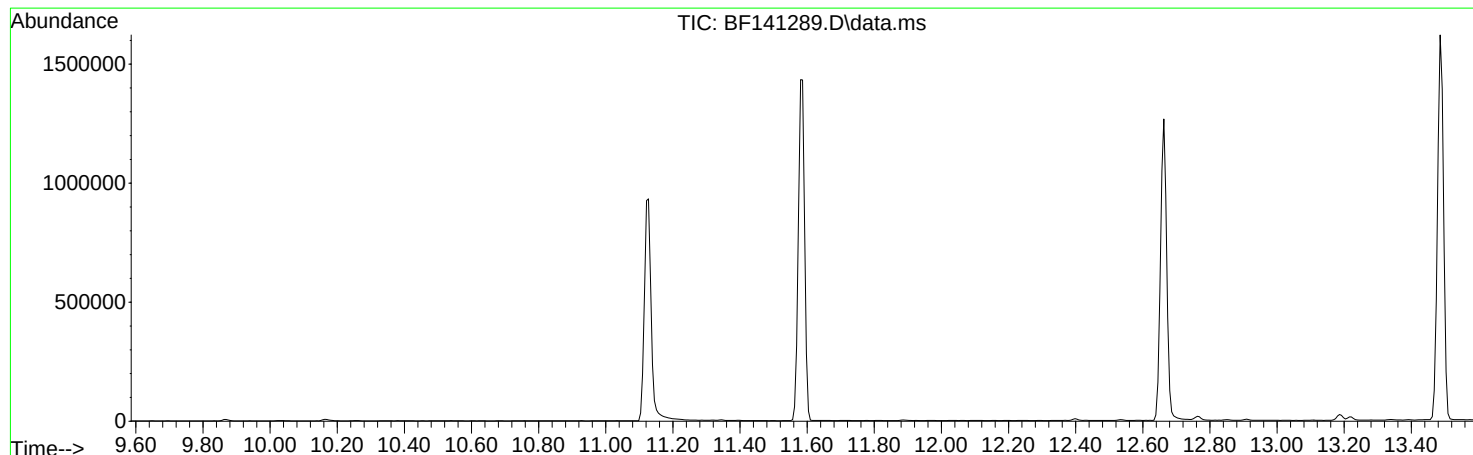
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

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



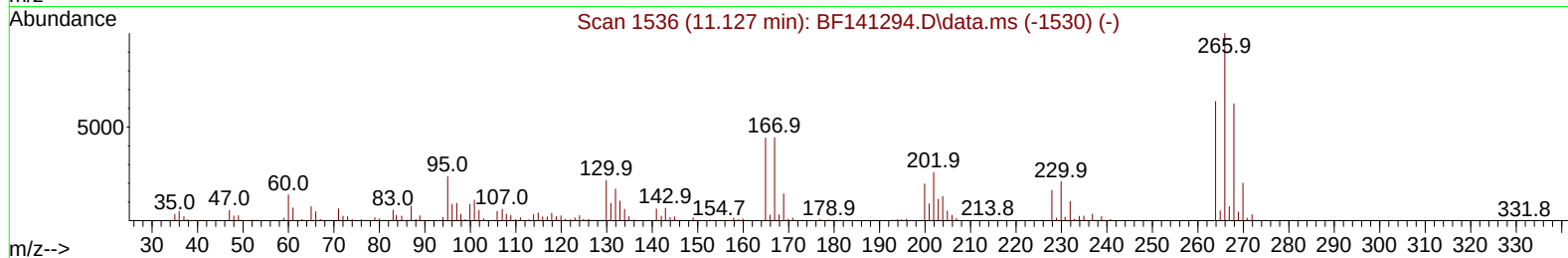
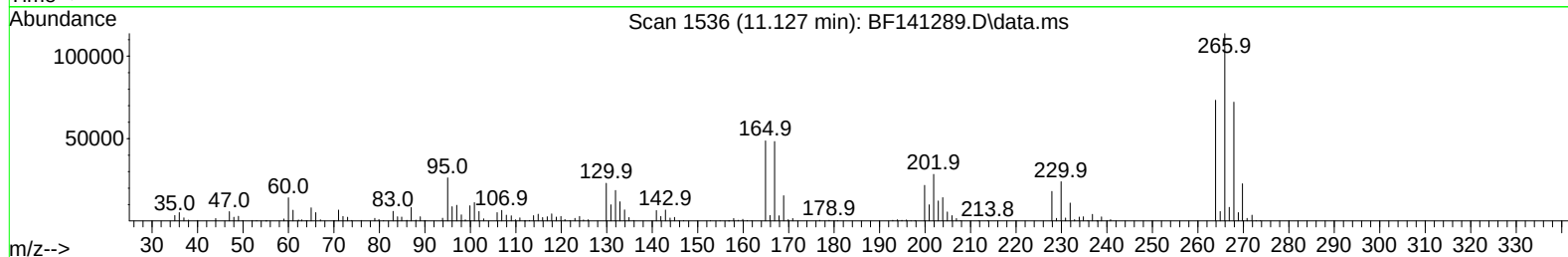
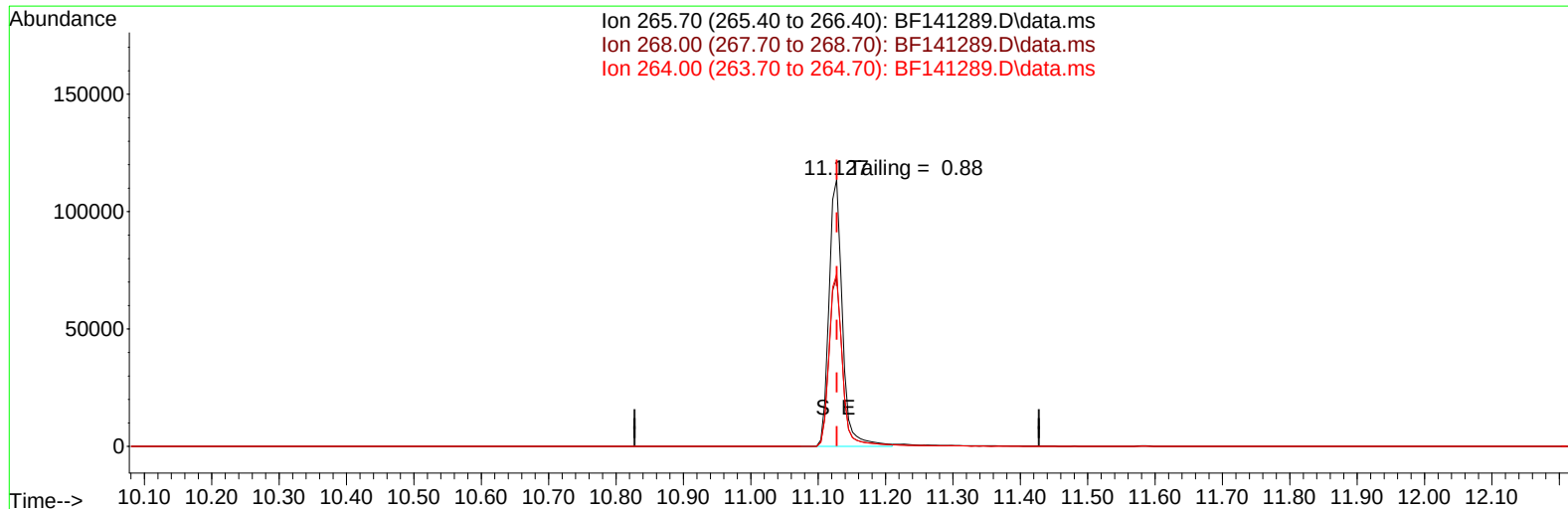
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

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

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

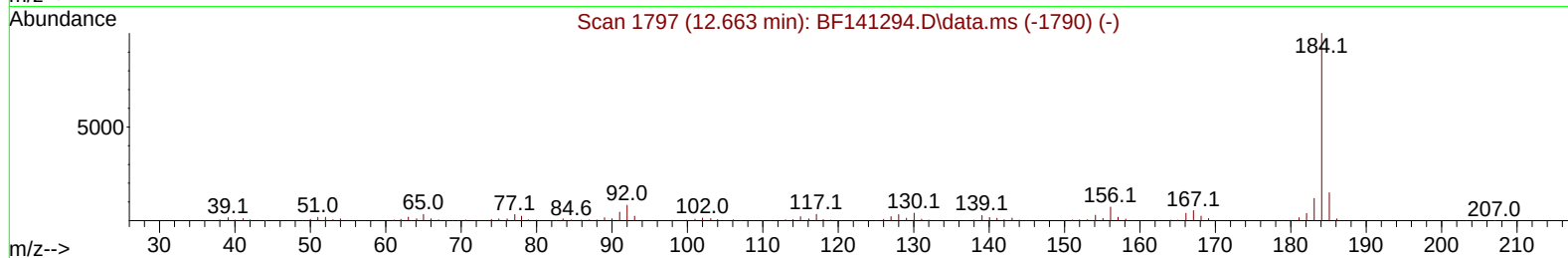
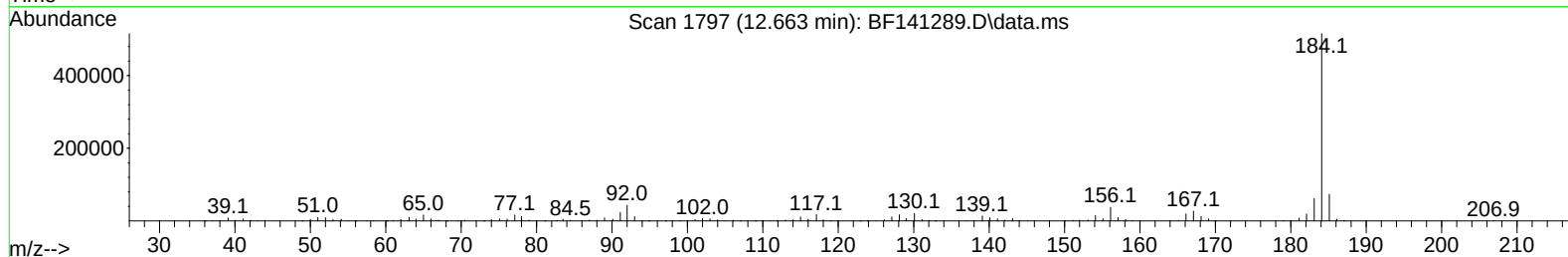
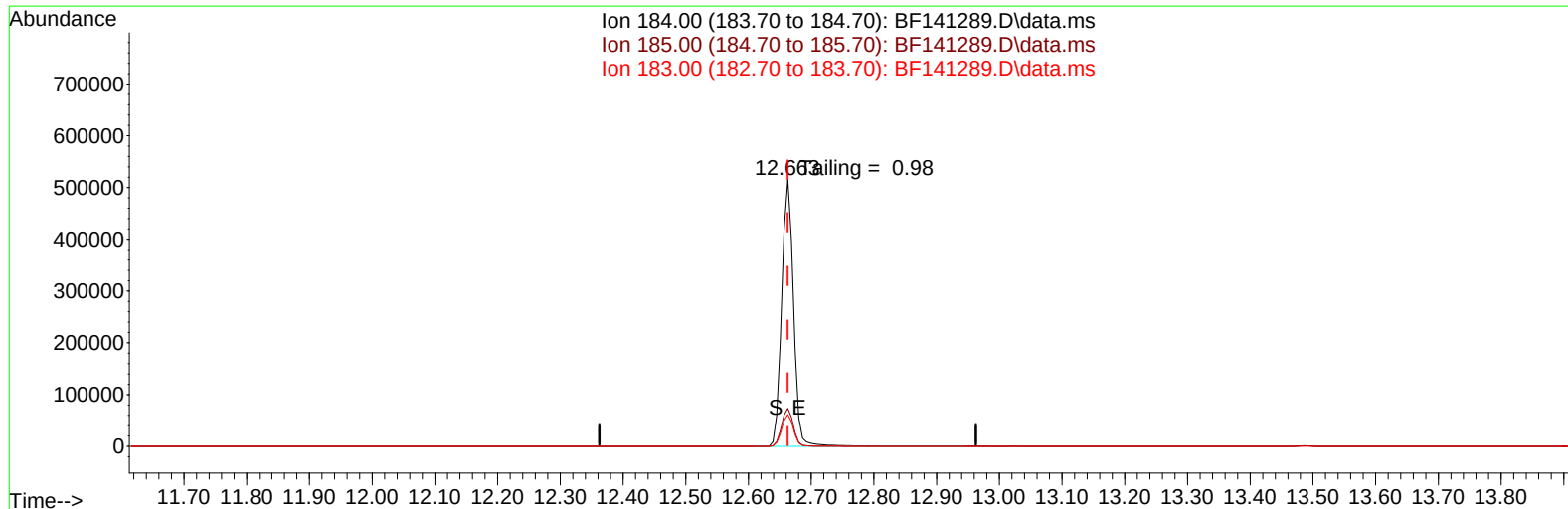
response 157302

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

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

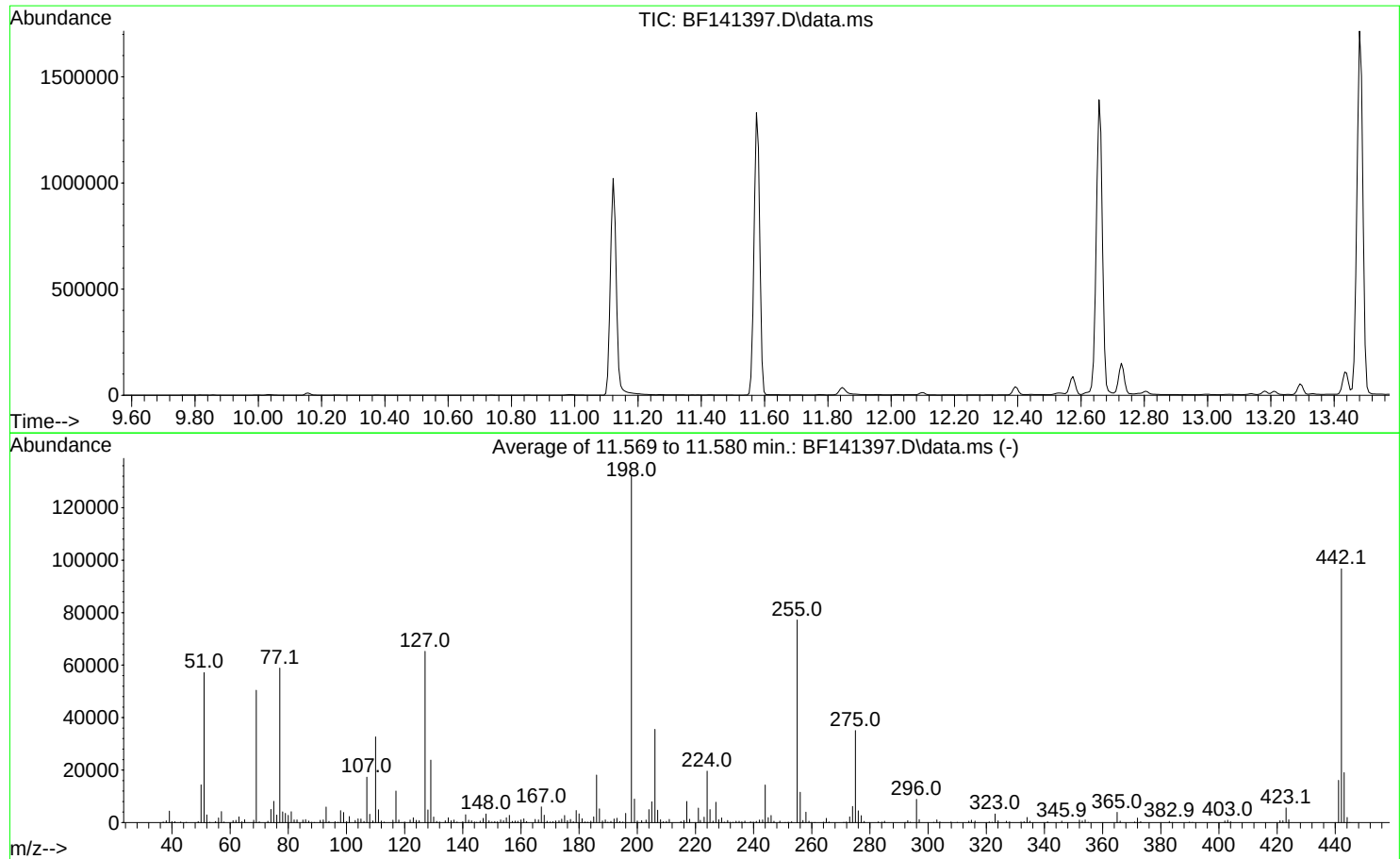
Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	<u>BF141289.D</u>
Compound Name	Response	Retention Time
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12170	419607	2.90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\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

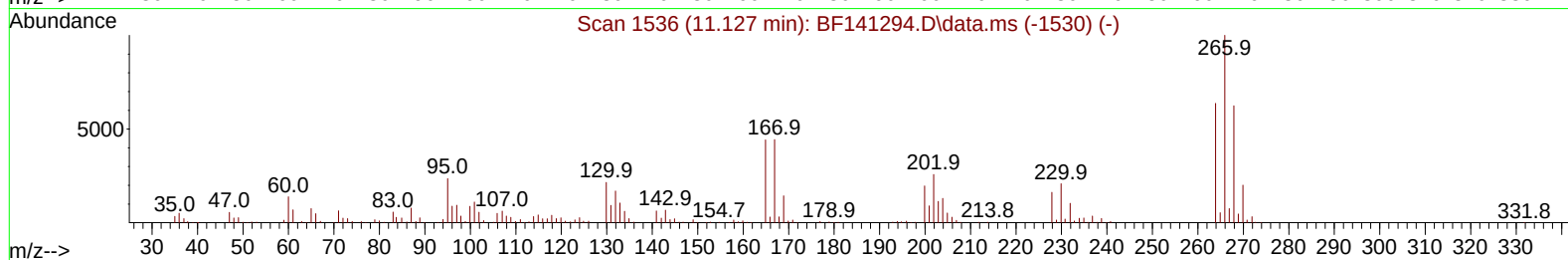
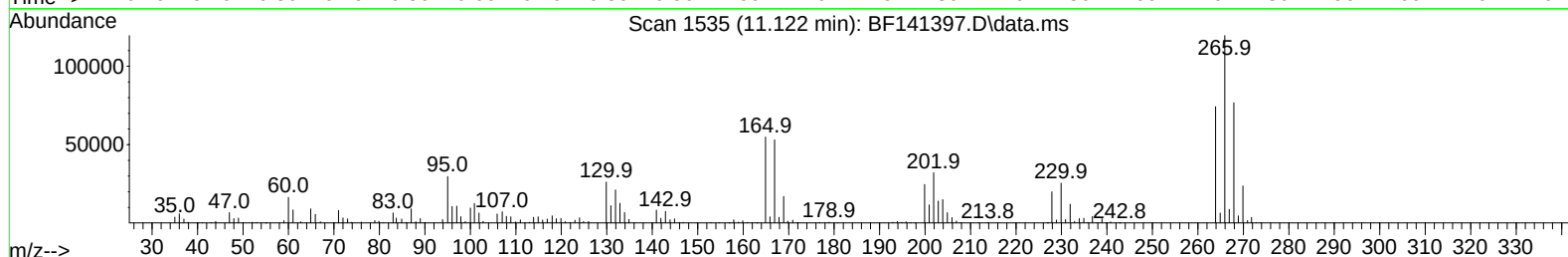
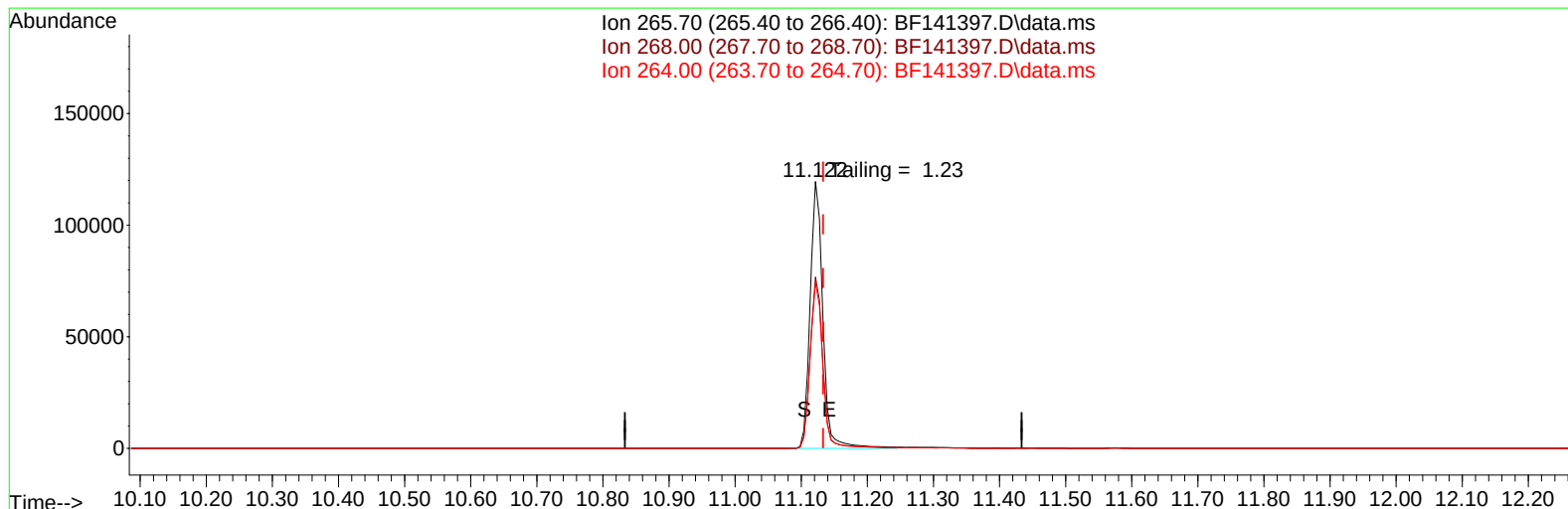
DDT Breakdown

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

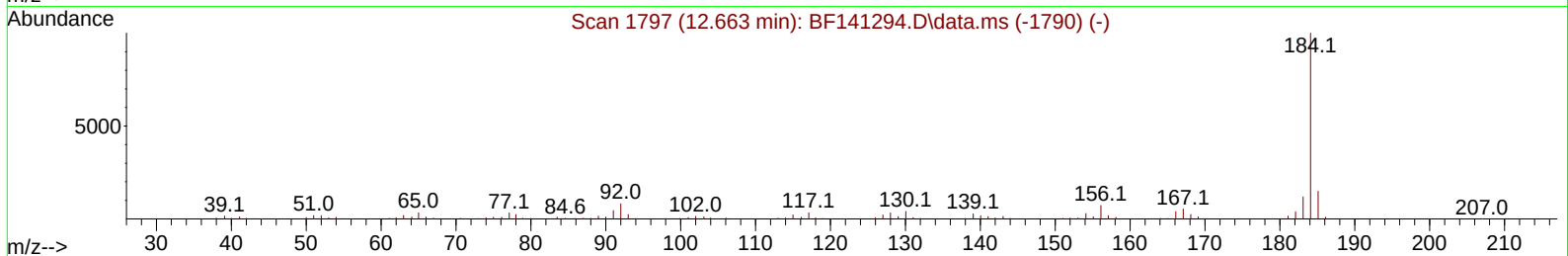
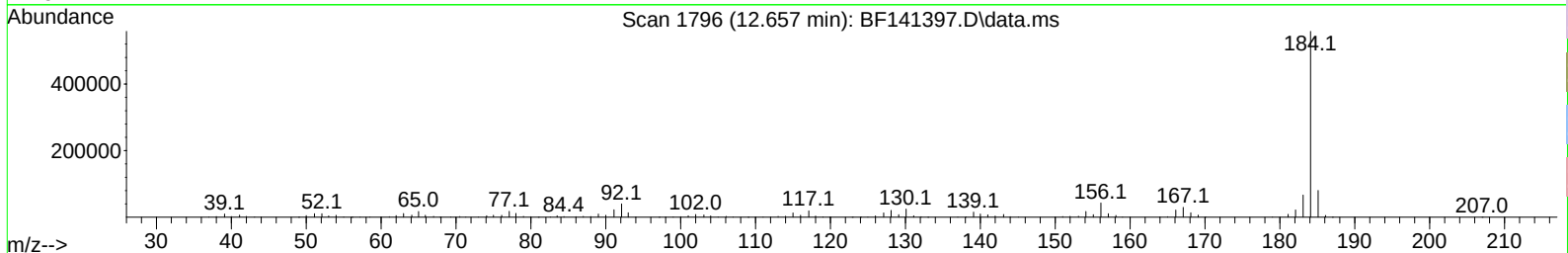
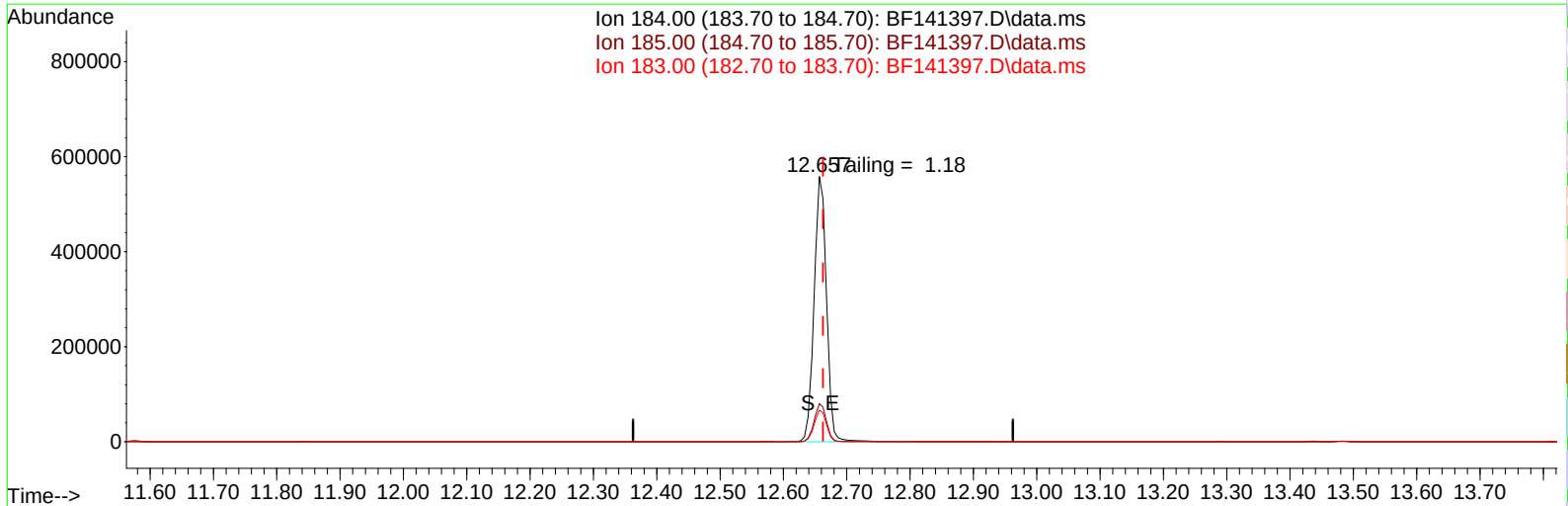
response 160702

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

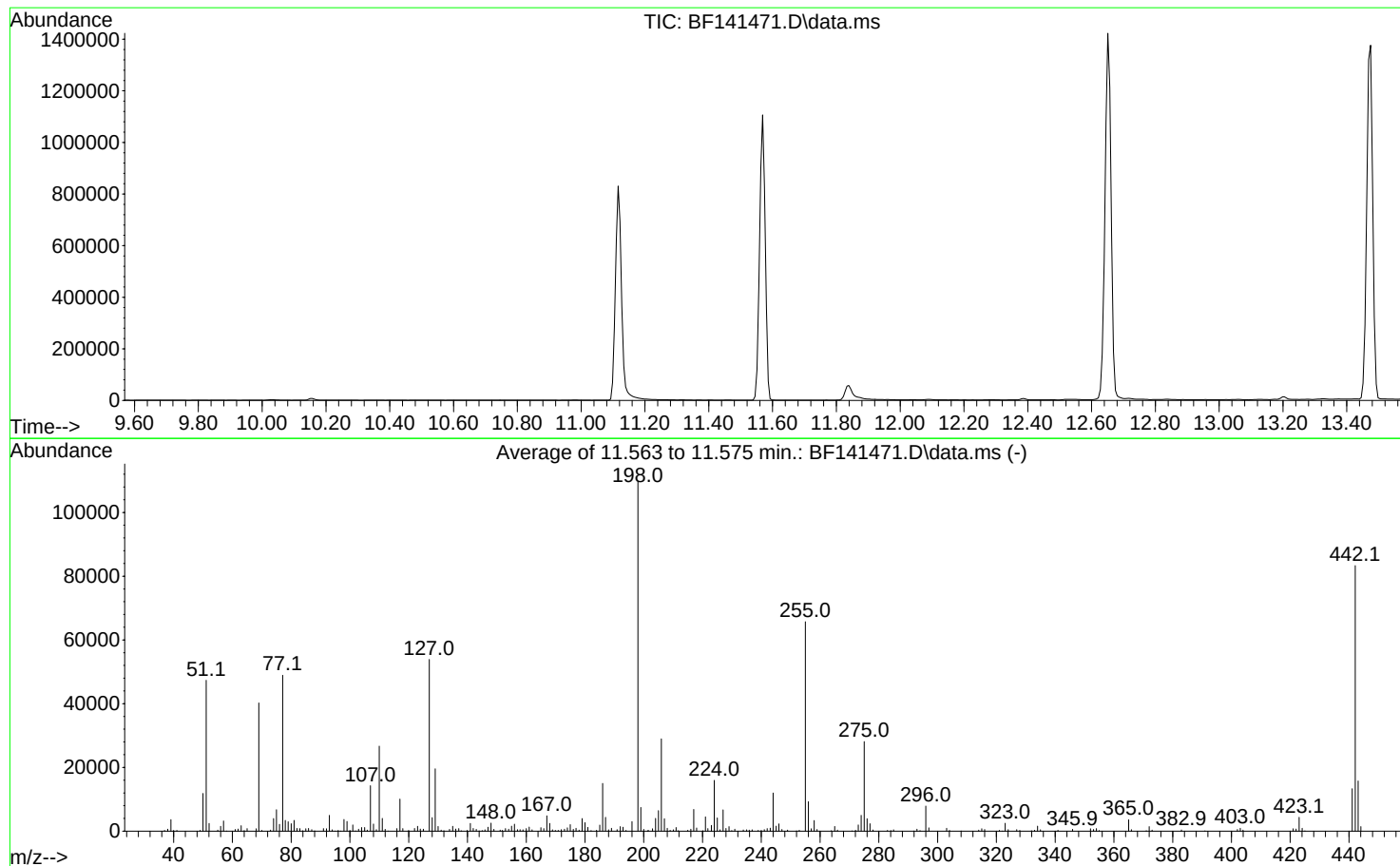
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.90	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\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

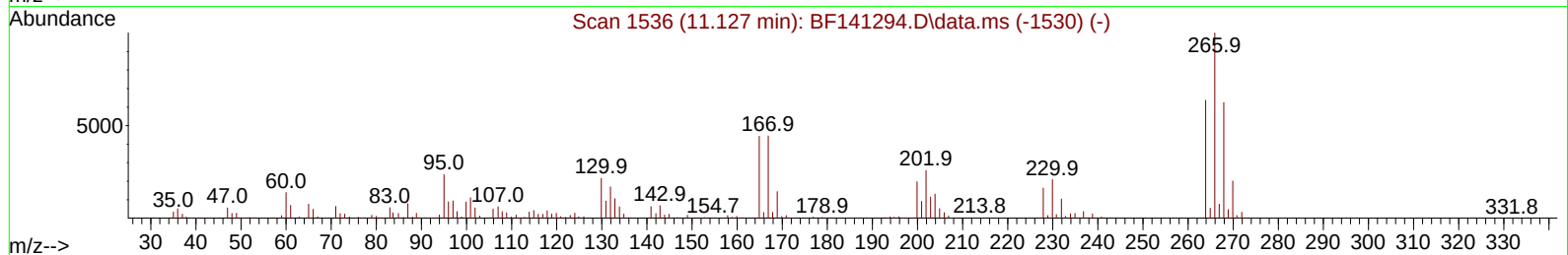
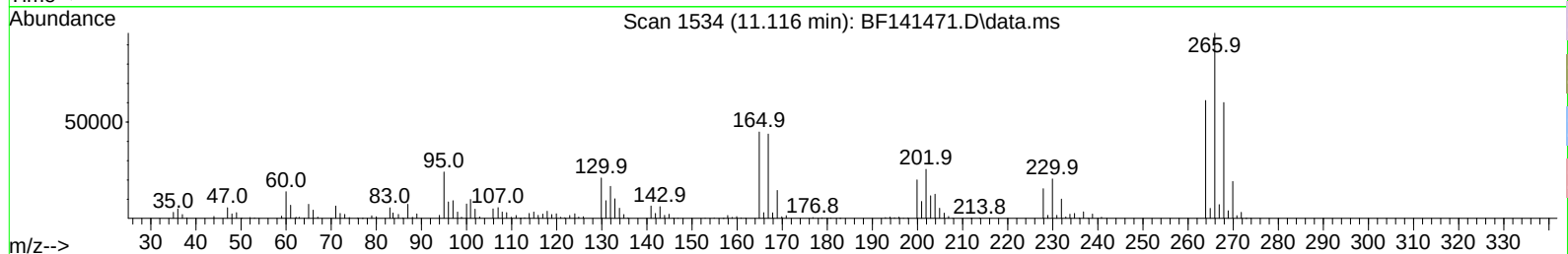
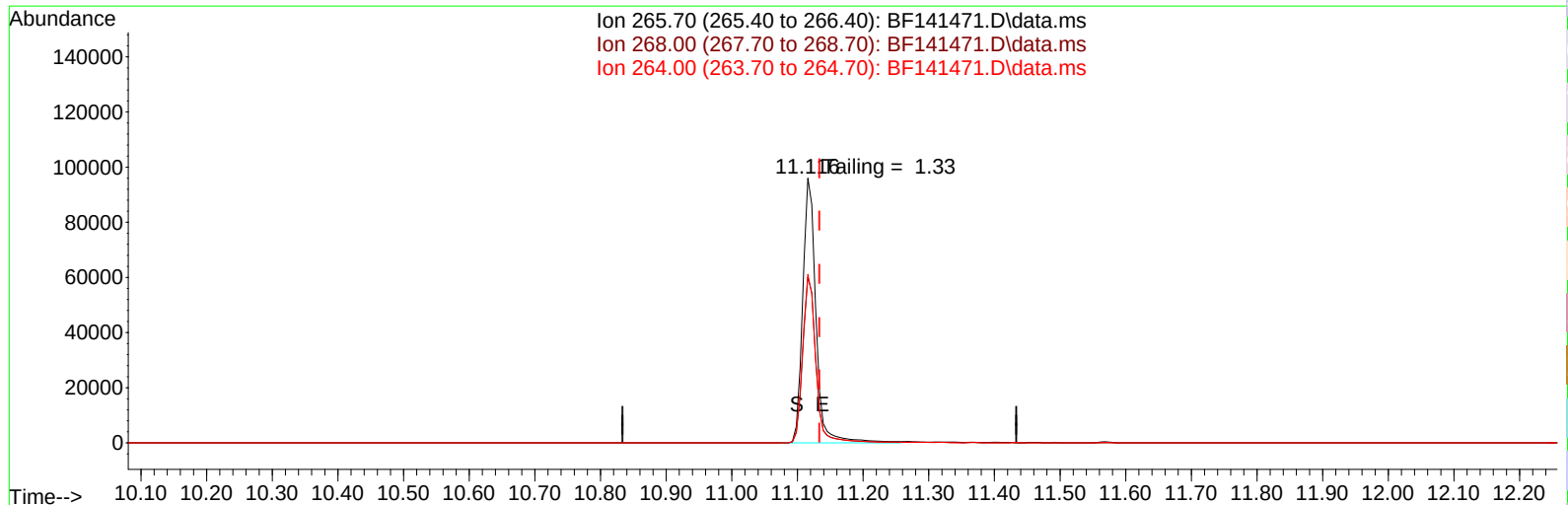
DDT Breakdown

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

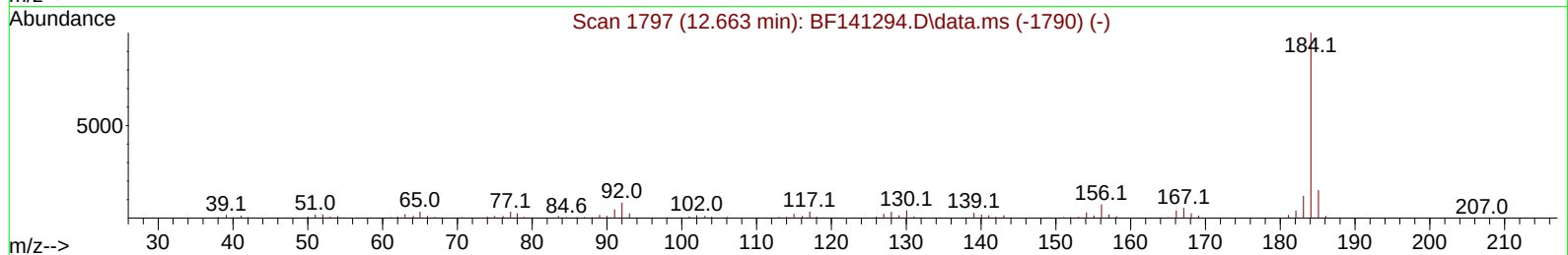
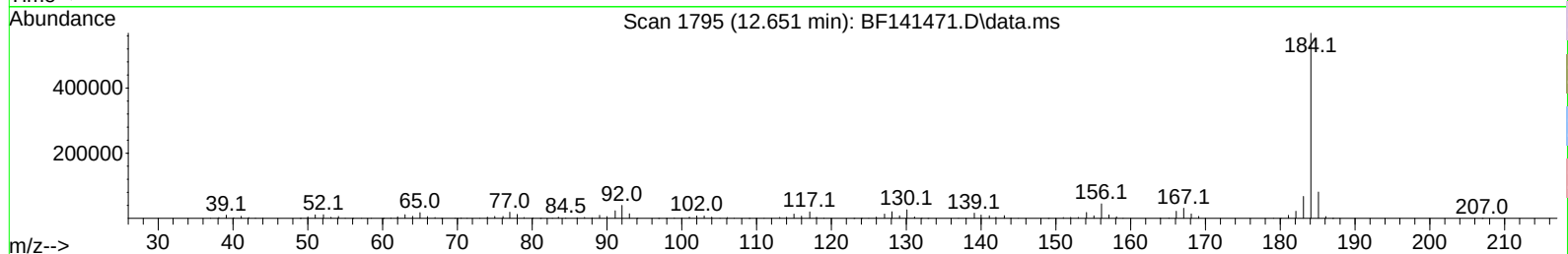
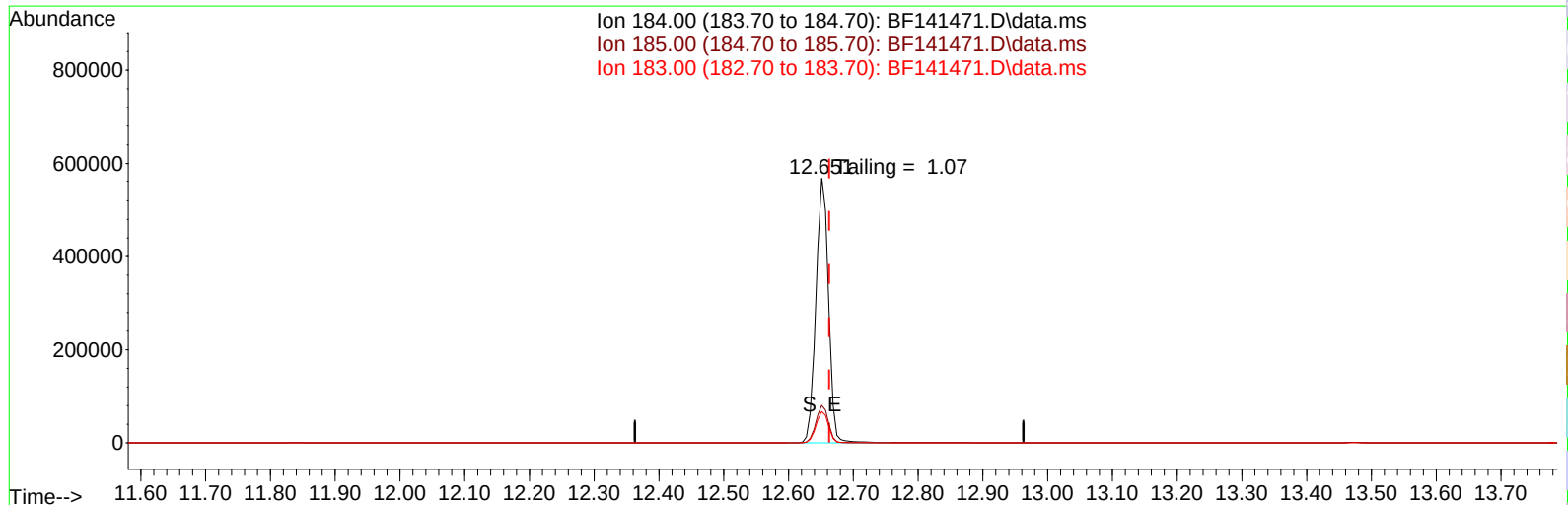
response 135048

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

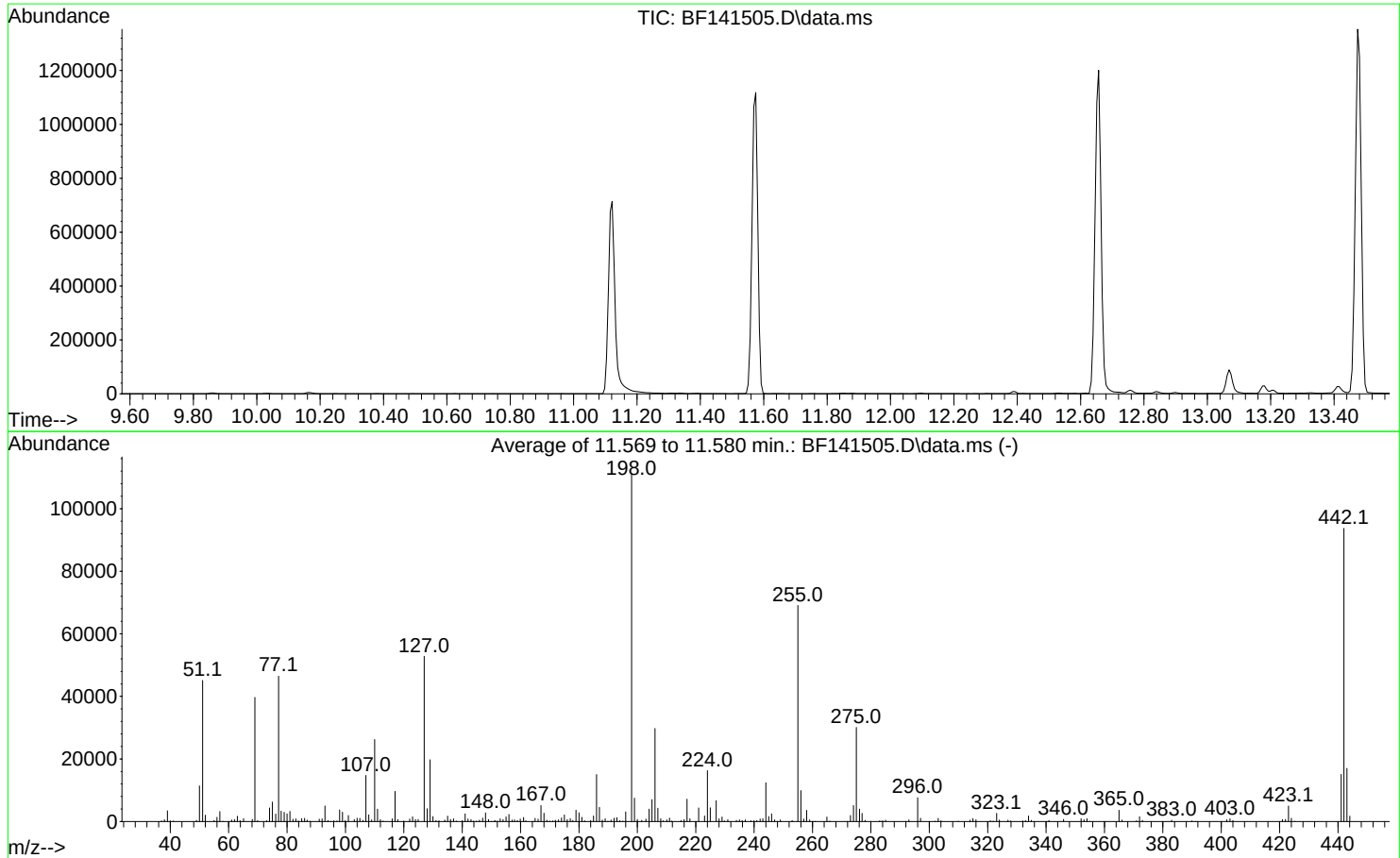
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
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 1611, 1612, 1613; Background Corrected with Scan 1604

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	40.6	45085	PASS
68	69	0.00	2	1.7	677	PASS
69	198	0.00	100	35.7	39669	PASS
70	69	0.00	2	0.7	272	PASS
127	198	10	80	47.6	52811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	110989	PASS
199	198	5	9	6.7	7473	PASS
275	198	10	60	27.1	30101	PASS
365	198	1	100	3.3	3633	PASS
441	198	0.01	100	13.6	15067	PASS
442	442	50	100	100.0	93723	PASS
443	442	15	24	18.1	16972	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

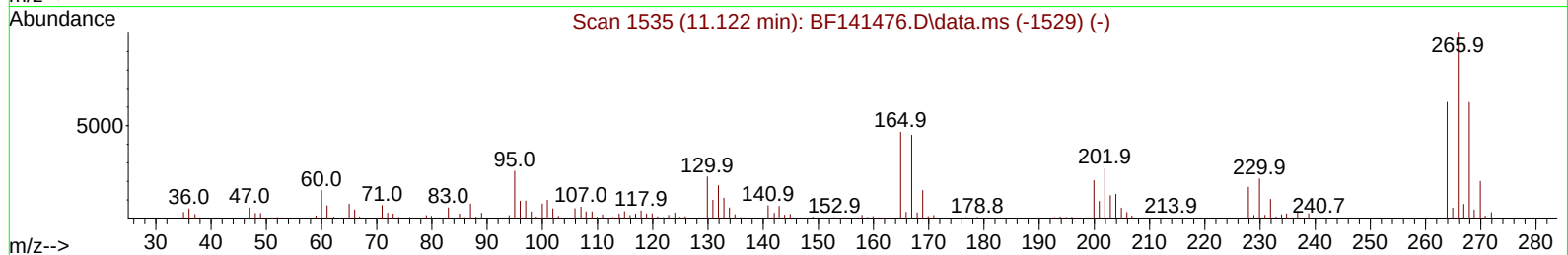
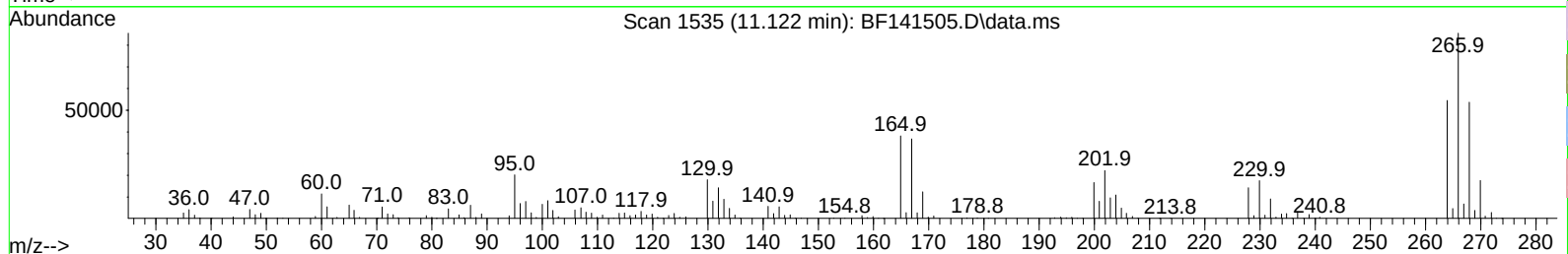
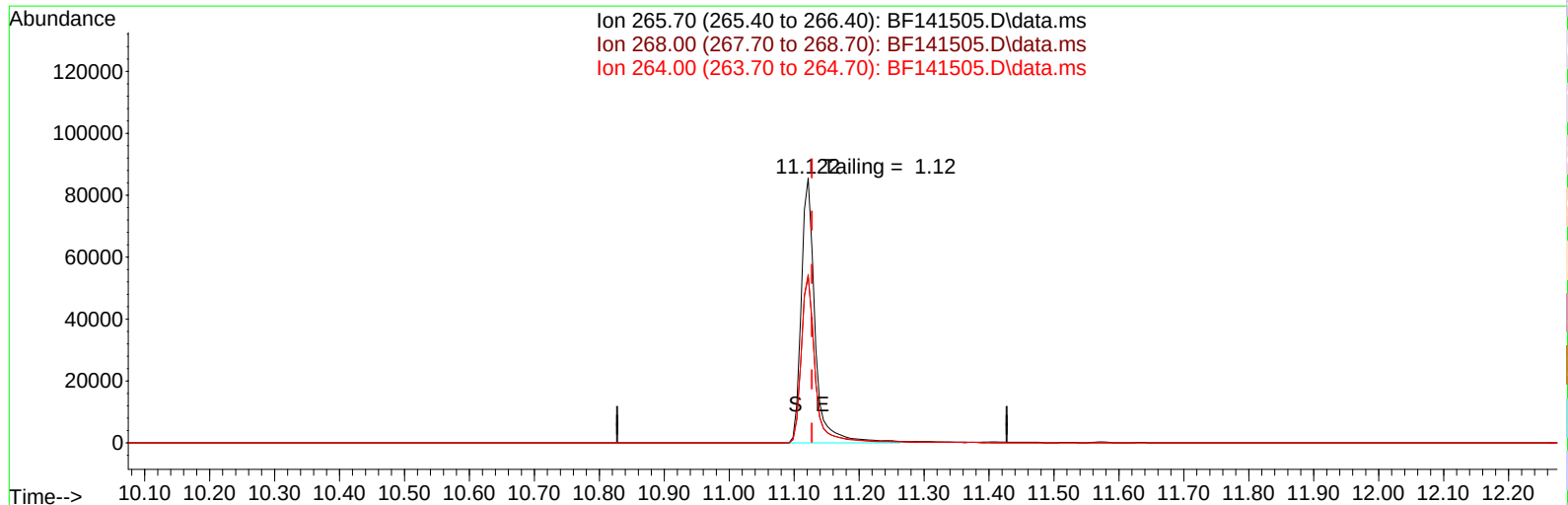
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/7/2025	BNA_F	<u>BF141505.D</u>
Compound Name	Response	Retention Time
DDT	346517	13.474
DDD	12084	13.18
DDE	2082	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14166	360683	3.93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 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



TIC: BF141505.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 20208.15 ng

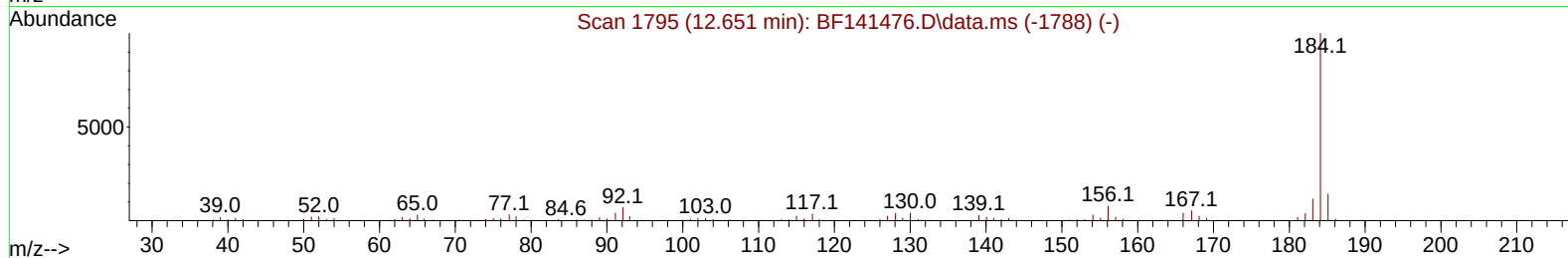
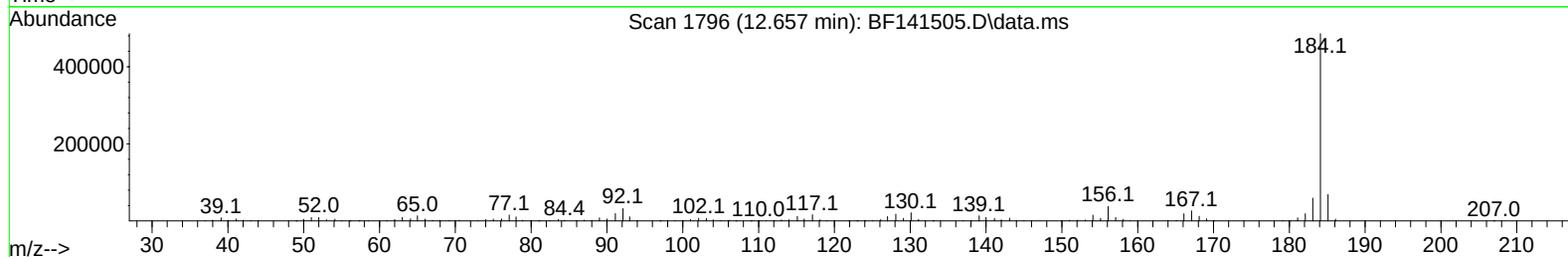
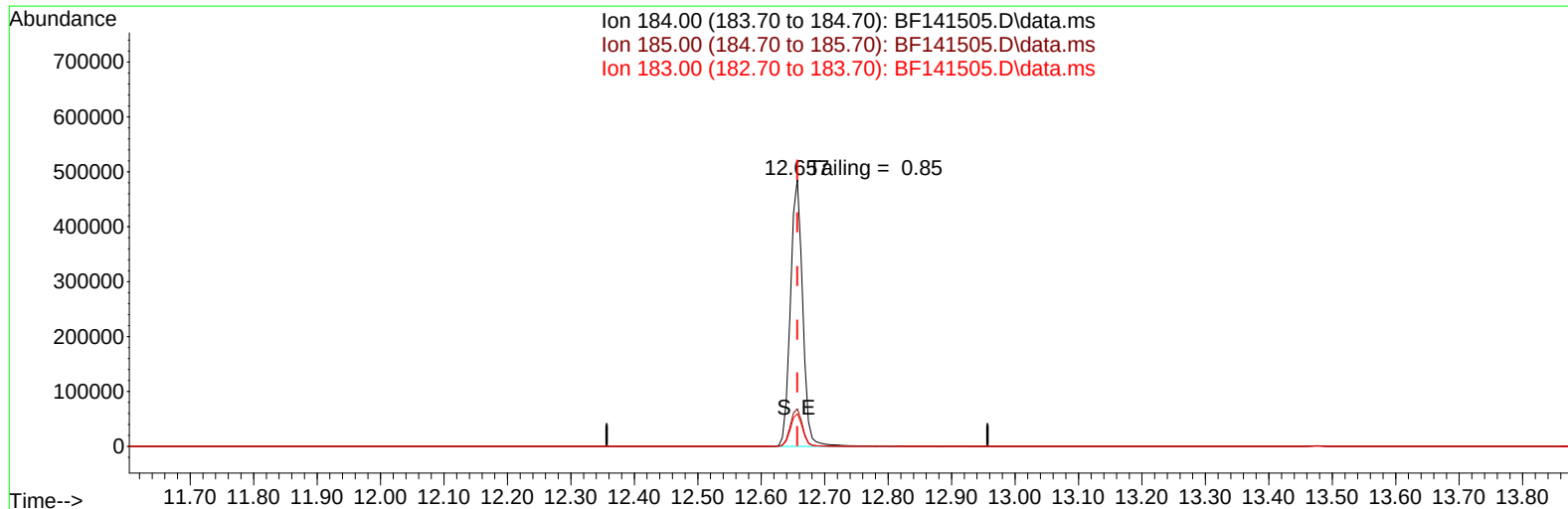
response 127294

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.80
264.00	62.60	63.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 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



TIC: BF141505.D\data.ms

(77) Benzidine

12.657min (+ 0.000) 44608.91 ng

response 656208

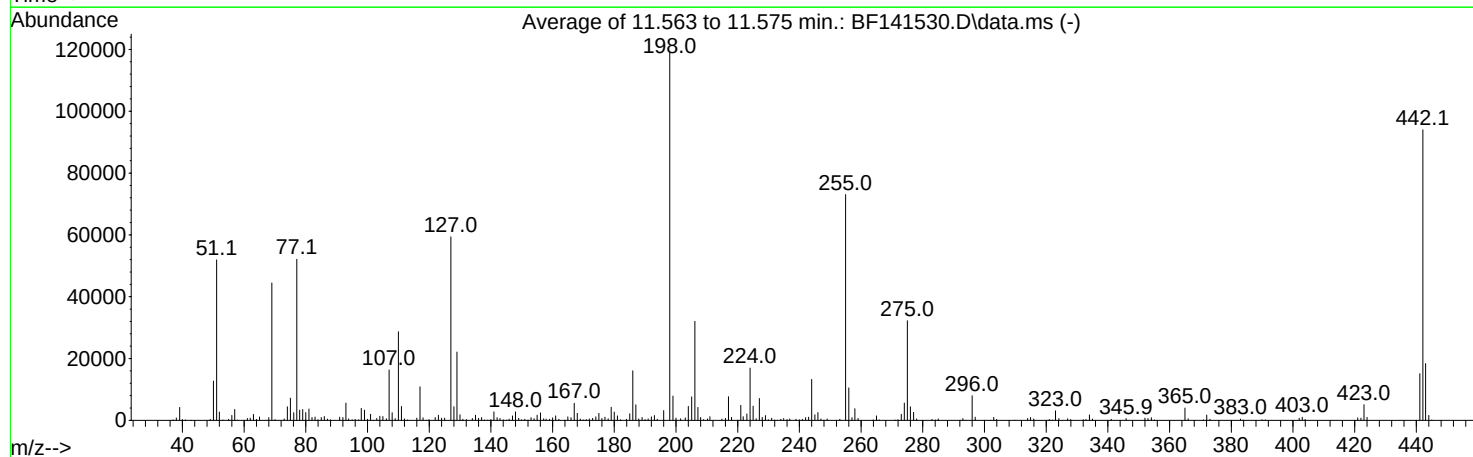
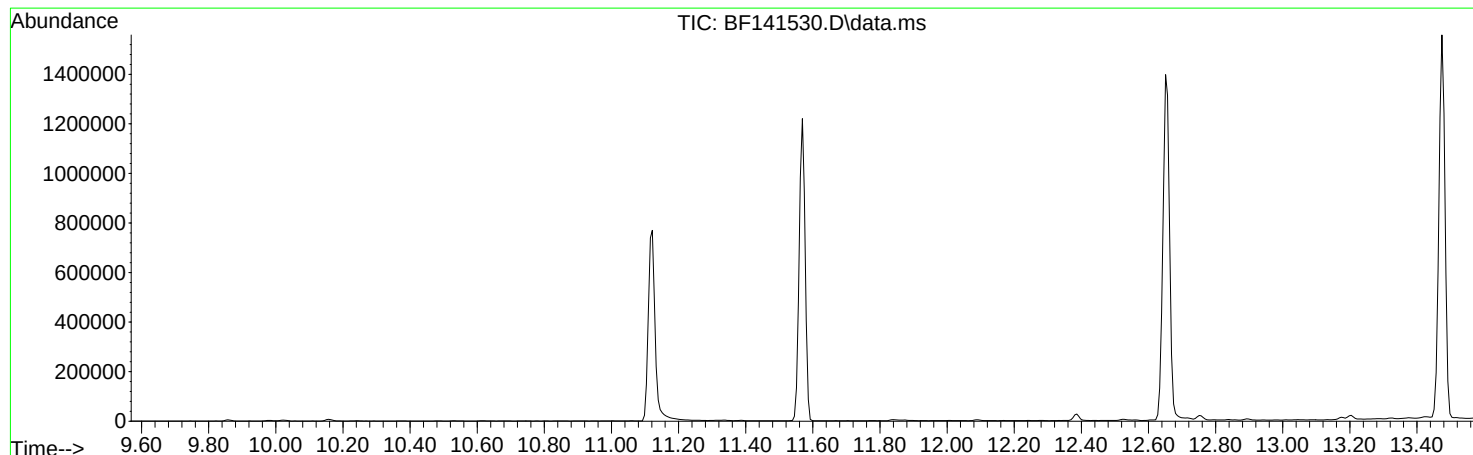
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.11
183.00	11.60	12.23
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
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 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.6	51904	PASS
68	69	0.00	2	1.9	860	PASS
69	198	0.00	100	37.3	44448	PASS
70	69	0.00	2	0.5	238	PASS
127	198	10	80	49.9	59352	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	119008	PASS
199	198	5	9	6.6	7849	PASS
275	198	10	60	27.1	32248	PASS
365	198	1	100	3.4	3990	PASS
441	198	0.01	100	12.7	15136	PASS
442	442	50	100	100.0	94021	PASS
443	442	15	24	19.5	18358	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

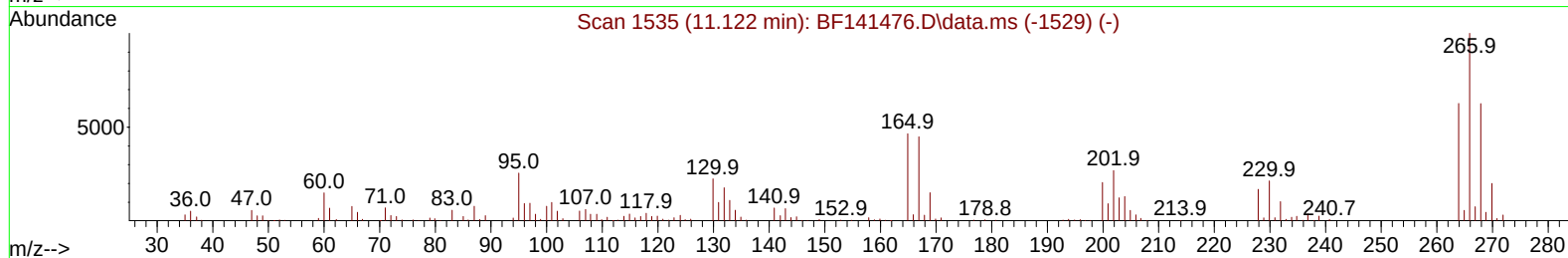
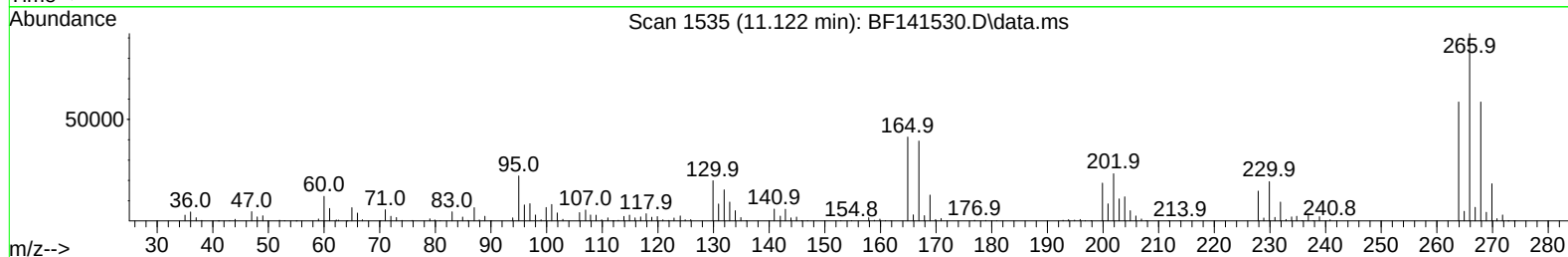
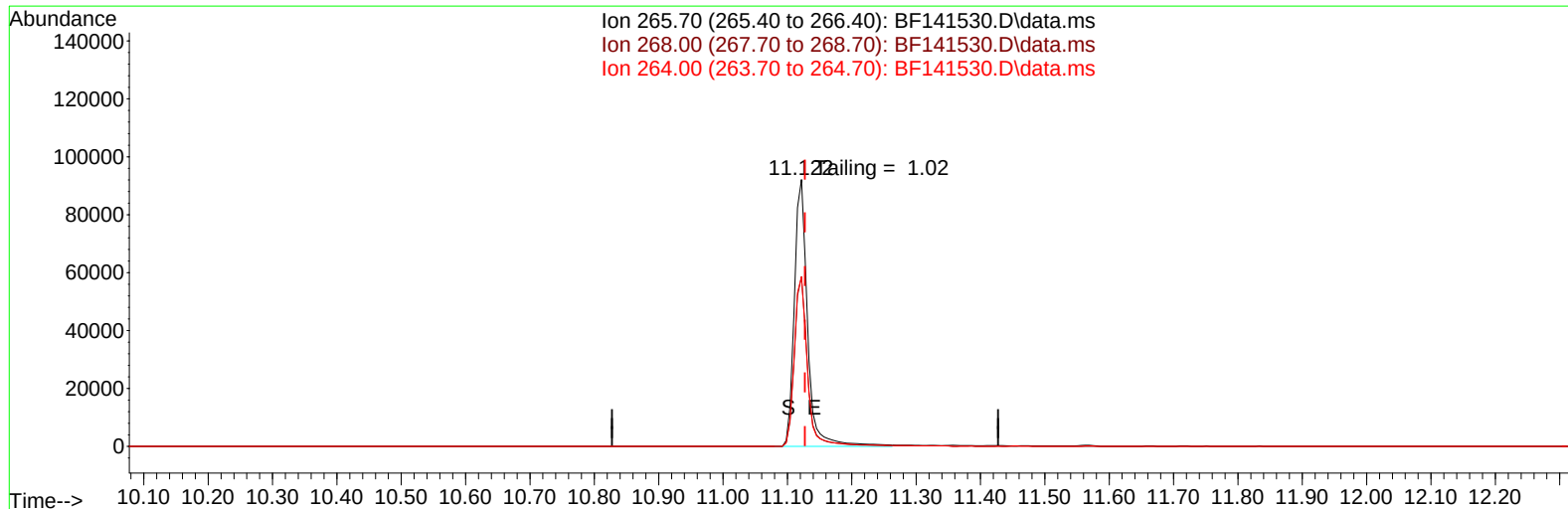
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/10/2025	BNA_F	<u>BF141530.D</u>
Compound Name	Response	Retention Time
DDT	386356	13.474
DDD	7404	13.204
DDE	837	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8241	394597	2.09

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 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



TIC: BF141530.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 15920.77 ng

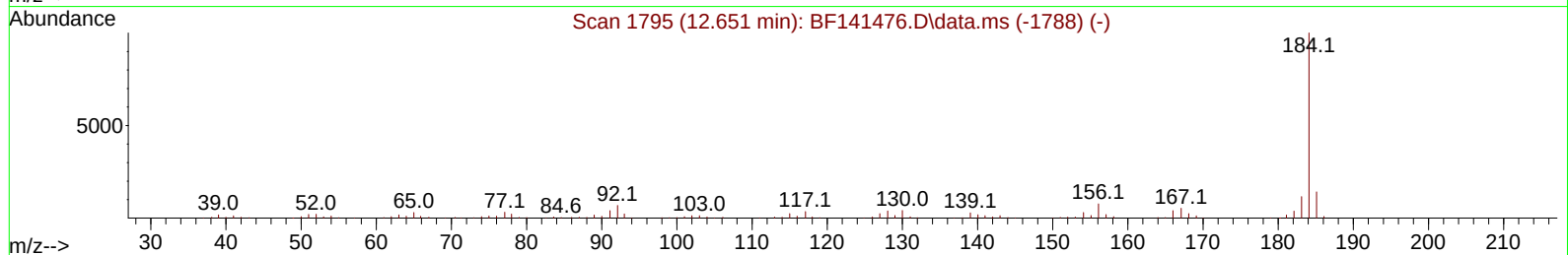
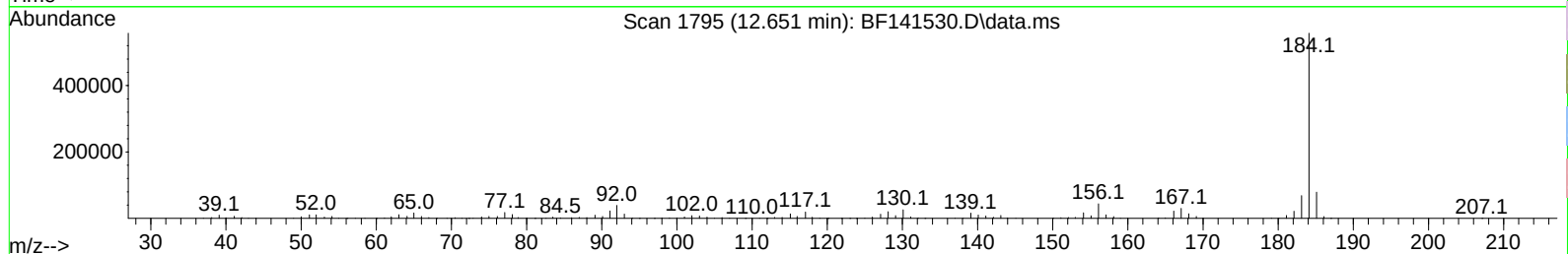
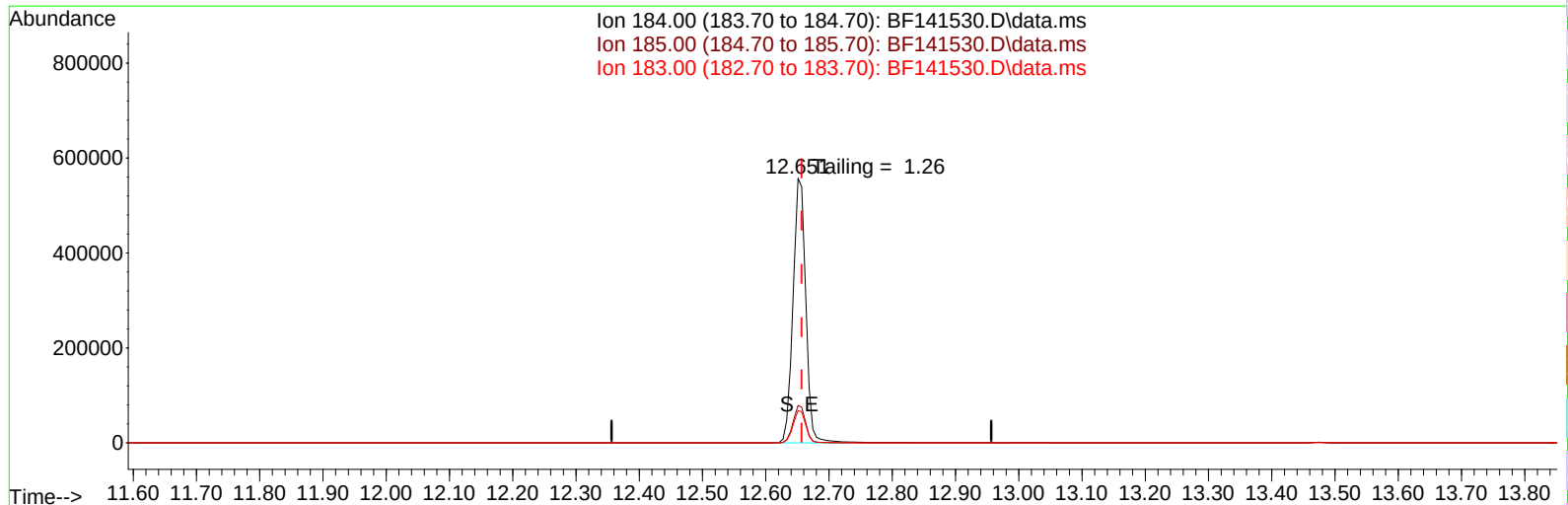
response 133560

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	63.58
264.00	62.60	63.58
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 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



TIC: BF141530.D\data.ms

(77) Benzidine

12.651min (-0.006) 32112.35 ng

response 784704

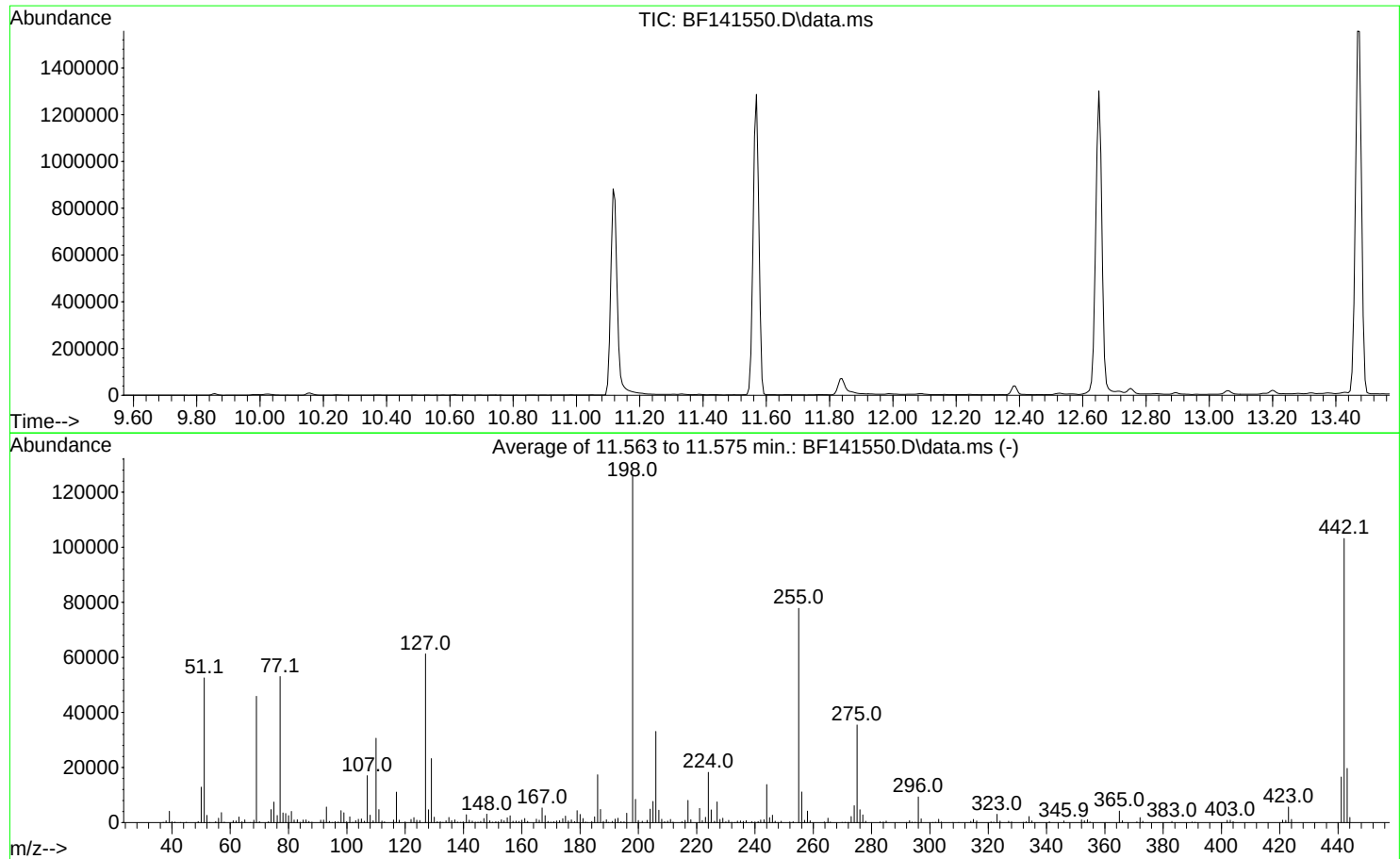
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.14
183.00	11.60	12.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
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 Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	52576	PASS
68	69	0.00	2	1.9	880	PASS
69	198	0.00	100	36.4	45864	PASS
70	69	0.00	2	0.7	312	PASS
127	198	10	80	48.6	61283	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125976	PASS
199	198	5	9	6.7	8465	PASS
275	198	10	60	28.2	35464	PASS
365	198	1	100	3.3	4164	PASS
441	198	0.01	100	13.1	16543	PASS
442	442	50	100	100.0	103163	PASS
443	442	15	24	19.1	19671	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

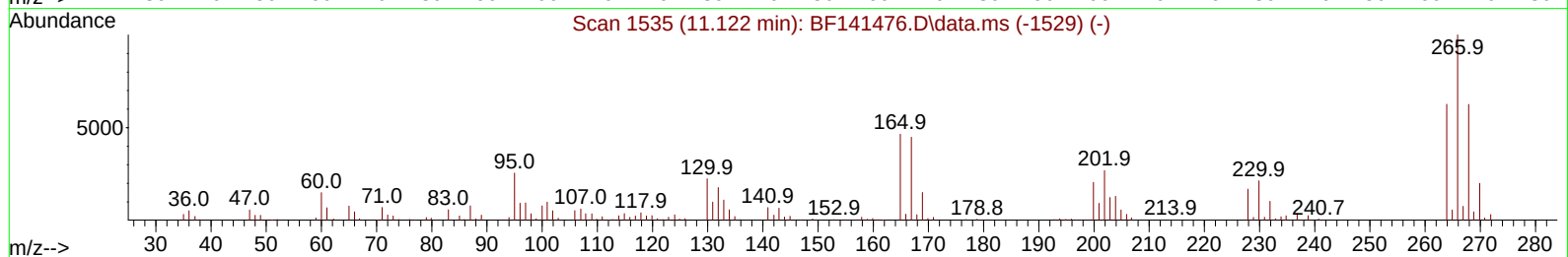
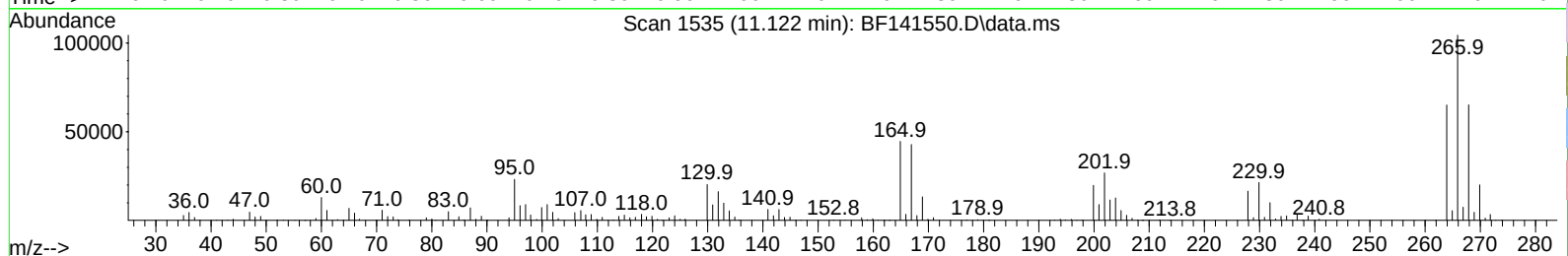
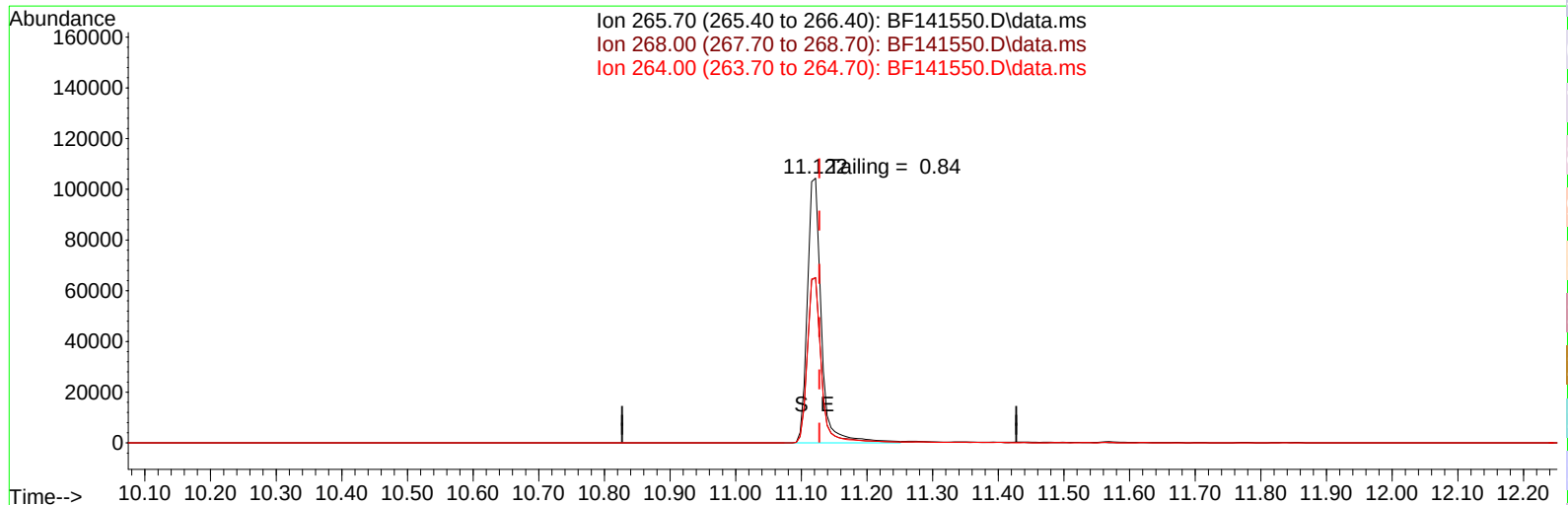
DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/11/2025	BNA_F	<u>BF141550.D</u>
Compound Name	Response	Retention Time
DDT	411059	13.474
DDD	6230	13.204
DDE	573	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6803	417862	1.63

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 11 10:57:59 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



TIC: BF141550.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 16244.81 ng

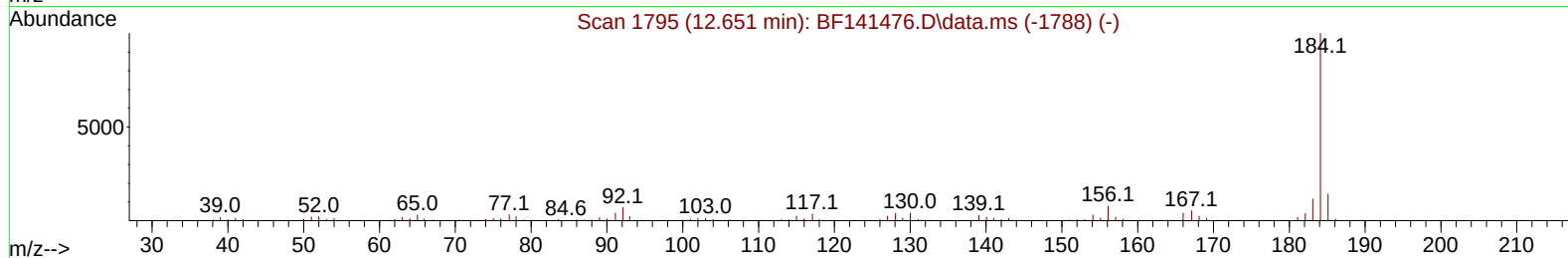
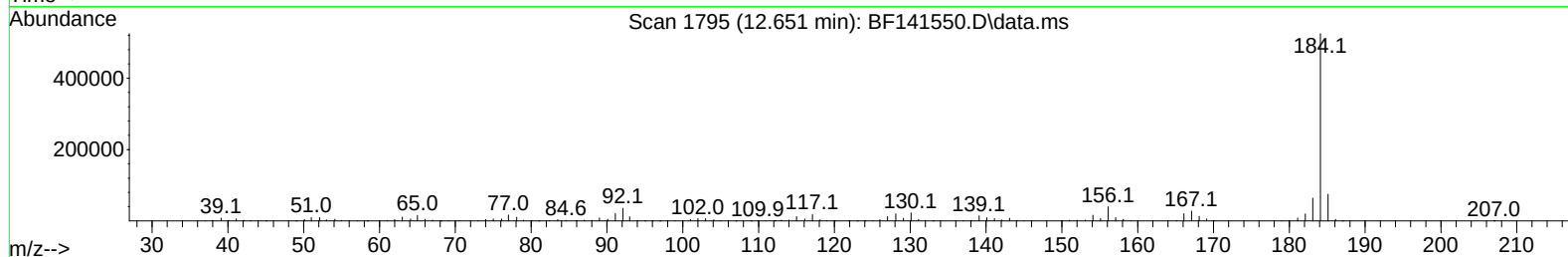
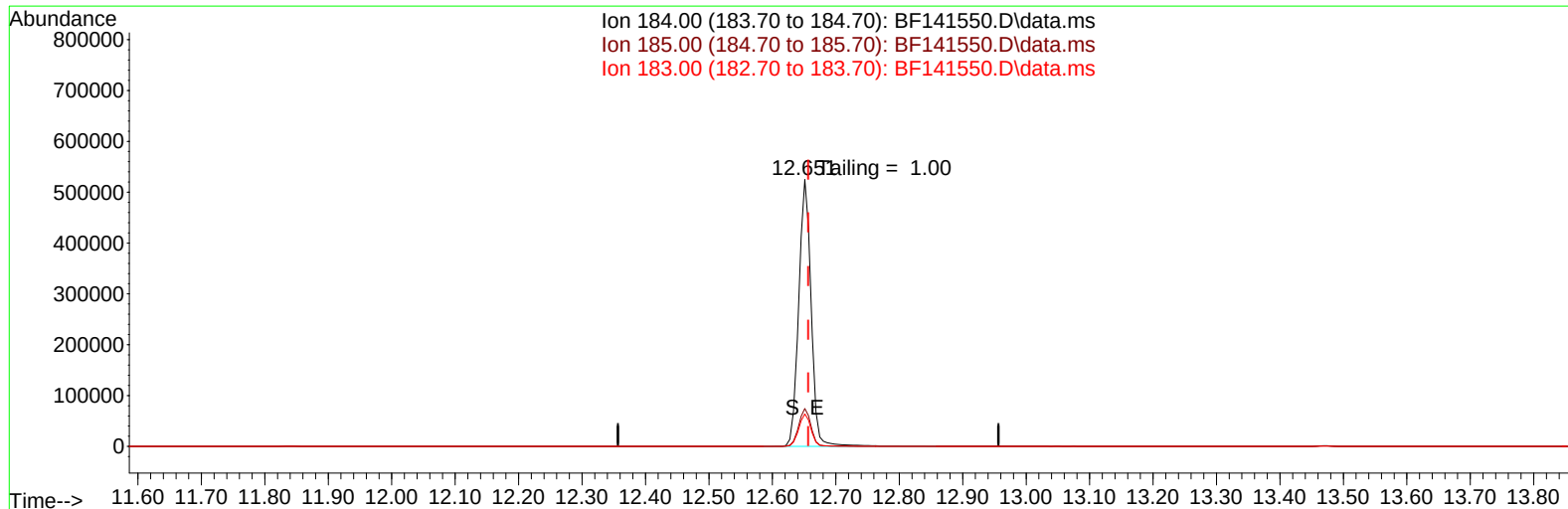
response 154688

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.47
264.00	62.60	62.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 11 10:57:59 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



TIC: BF141550.D\data.ms

(77) Benzidine

12.651min (-0.006) 26925.30 ng

response 718522

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.23
183.00	11.60	12.19
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:	PB166360BL	SDG No.:	Q1215
Lab Sample ID:	PB166360BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141404.D	1	01/30/25 09:15	02/04/25 13:21	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	U	180	330	ug/Kg
108-95-2	Phenol	170	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	170	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	170	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	90.8	170	ug/Kg
98-86-2	Acetophenone	170	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	170	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	170	U	90.7	170	ug/Kg
78-59-1	Isophorone	170	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	170	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	75.4	170	ug/Kg
91-20-3	Naphthalene	170	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	170	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	83.2	170	ug/Kg
105-60-2	Caprolactam	330	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	170	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	170	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	170	U	81.6	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BL	SDG No.:	Q1215
Lab Sample ID:	PB166360BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141404.D	1	01/30/25 09:15	02/04/25 13:21	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	170	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	170	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	330	U	120	330	ug/Kg
132-64-9	Dibenzofuran	170	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	170	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	85.5	170	ug/Kg
86-73-7	Fluorene	170	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	170	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	170	U	84.9	170	ug/Kg
1912-24-9	Atrazine	170	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	330	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	170	U	83.9	170	ug/Kg
120-12-7	Anthracene	170	U	84.3	170	ug/Kg
86-74-8	Carbazole	170	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	170	U	81.6	170	ug/Kg
129-00-0	Pyrene	170	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	80.6	170	ug/Kg
218-01-9	Chrysene	170	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	81.0	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BL	SDG No.:	Q1215
Lab Sample ID:	PB166360BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141404.D	1	01/30/25 09:15	02/04/25 13:21	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	74.7	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	147		18 - 112	98%	SPK: 150
13127-88-3	Phenol-d6	142		15 - 107	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		18 - 107	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	100.0		20 - 109	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		10 - 116	105%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		10 - 105	93%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	87800	6.786
1146-65-2	Naphthalene-d8	356000	8.069
15067-26-2	Acenaphthene-d10	197000	9.827
1517-22-2	Phenanthrene-d10	342000	11.316
1719-03-5	Chrysene-d12	264000	13.957
1520-96-3	Perylene-d12	208000	15.409

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	170	J	2.16	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	83.9	A	5.01	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BL	SDG No.:	Q1215
Lab Sample ID:	PB166360BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141404.D	1	01/30/25 09:15	02/04/25 13:21	PB166360

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

Quant Time: Feb 04 13:57:48 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	6.786	152	87808	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	356027	20.000	ng	-0.02
39) Acenaphthene-d10	9.827	164	197186	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	341529	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	264448	20.000	ng	-0.02
86) Perylene-d12	15.409	264	208461	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	841178	147.068	ng	0.00
7) Phenol-d6	6.428	99	1034463	142.172	ng	-0.01
23) Nitrobenzene-d5	7.351	82	684826	101.401	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	285932	158.171	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1280476	99.951	ng	-0.01
79) Terphenyl-d14	12.904	244	1599284	93.266	ng	-0.01

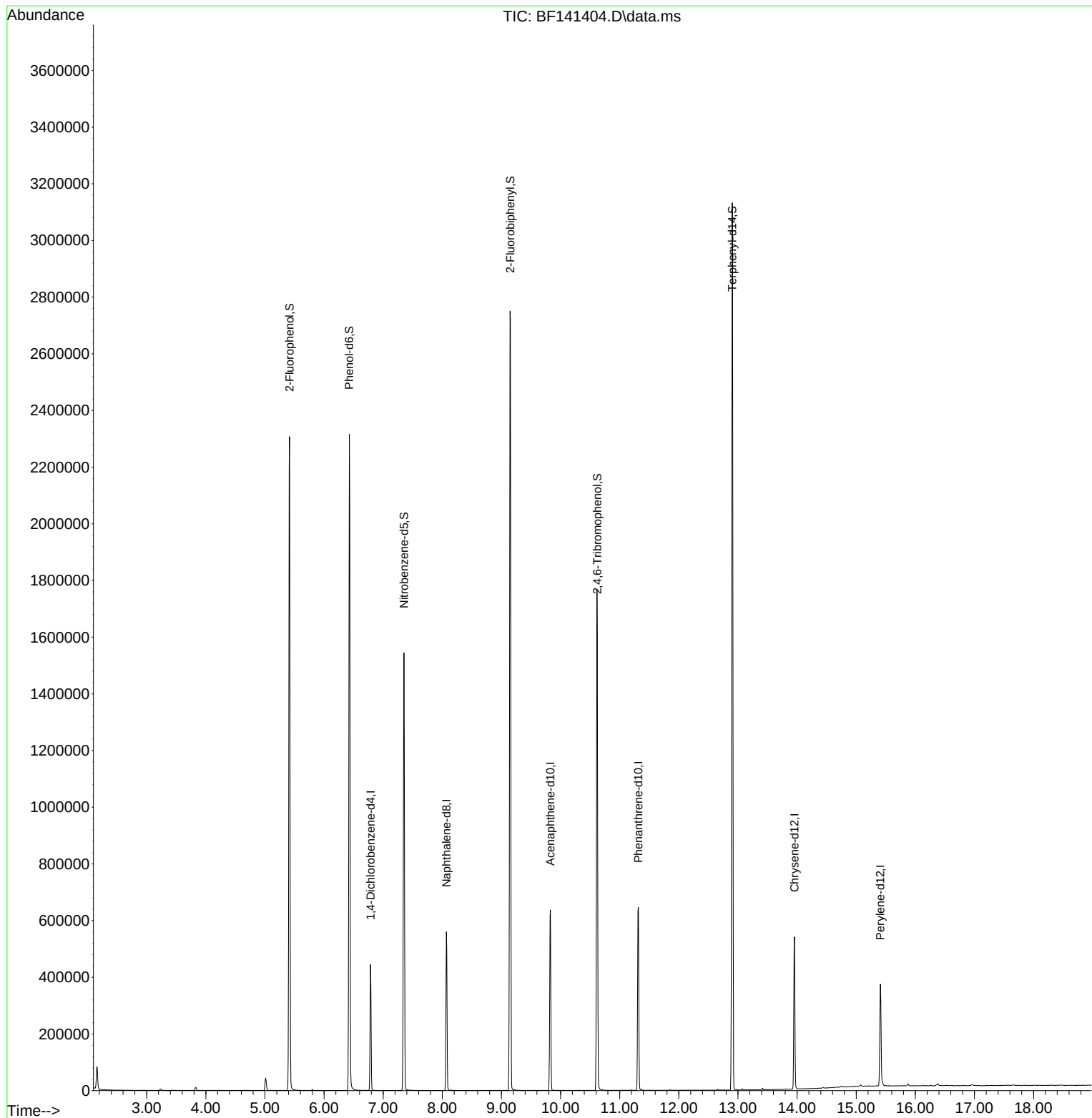
Target Compounds	Qvalue
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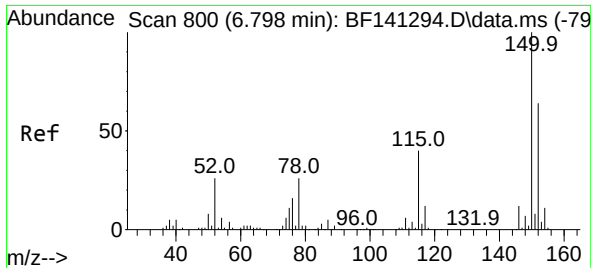
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

Quant Time: Feb 04 13:57:48 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

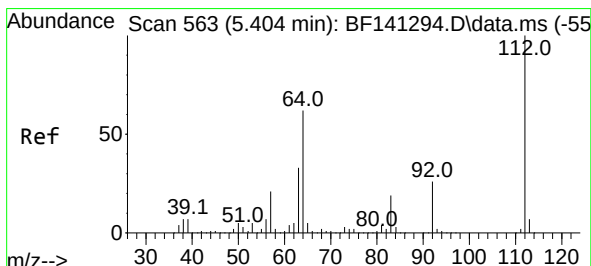
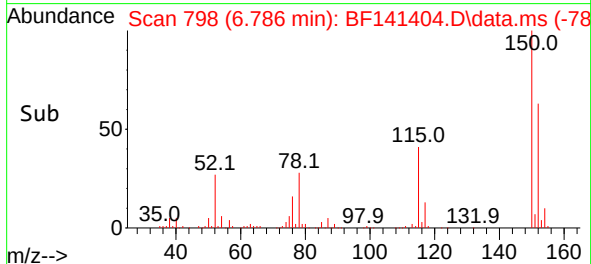
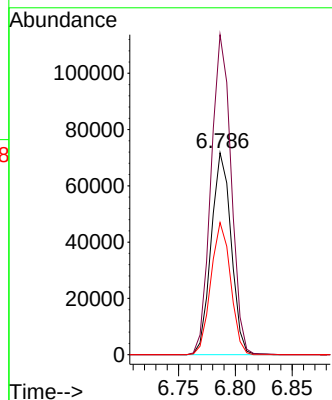
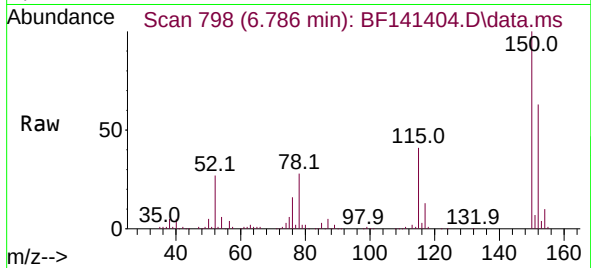




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

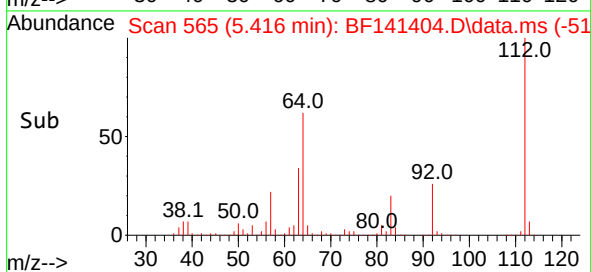
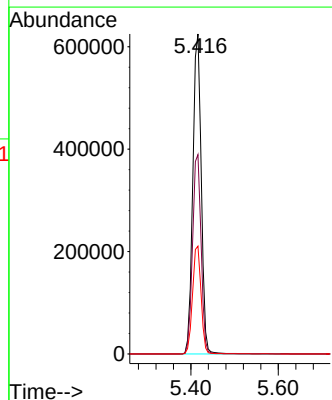
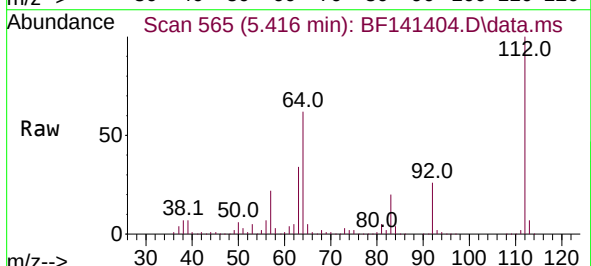
Instrument :
BNA_F
ClientSampleId :
PB166360BL

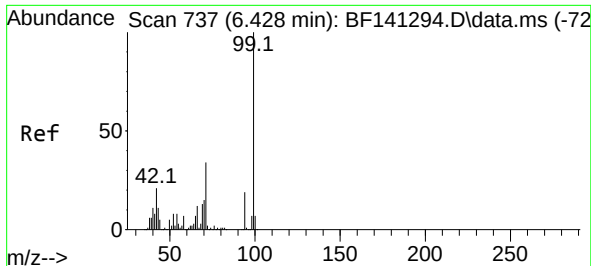
Tgt Ion:152 Resp: 87808
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 65.5 49.7 74.5



#5
2-Fluorophenol
Concen: 147.068 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion:112 Resp: 841178
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.7 26.1 39.1

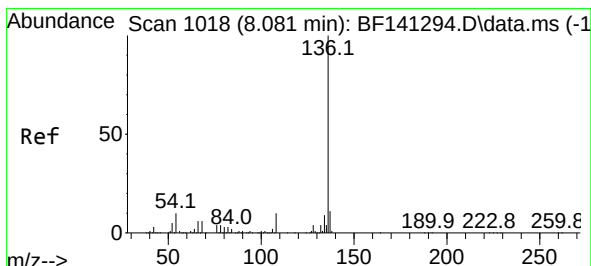
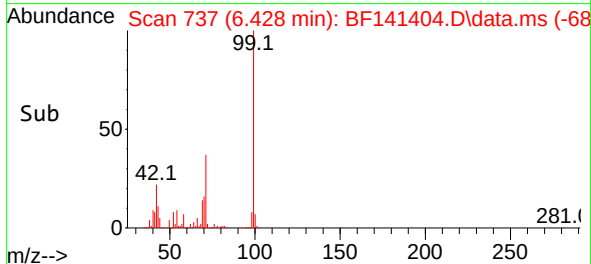
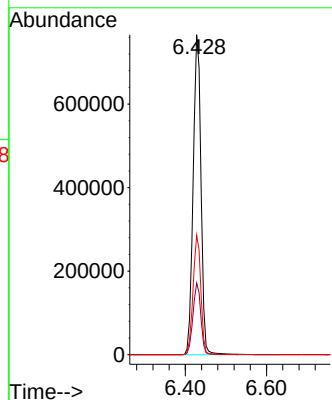
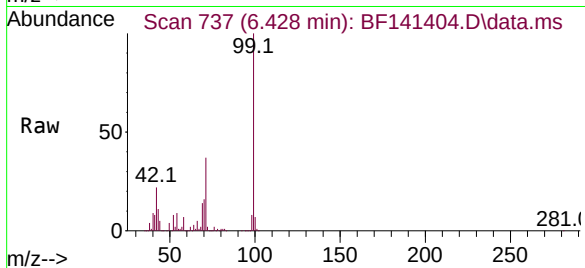




#7
Phenol-d6
Concen: 142.172 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

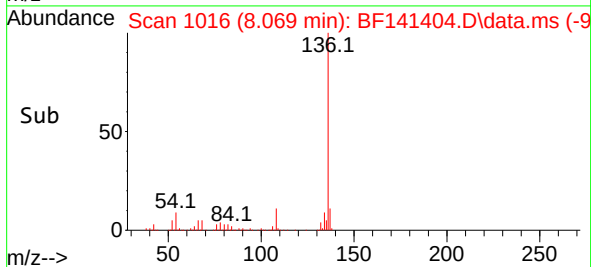
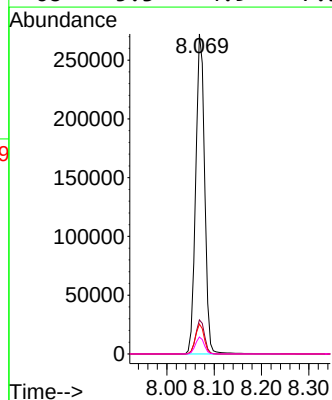
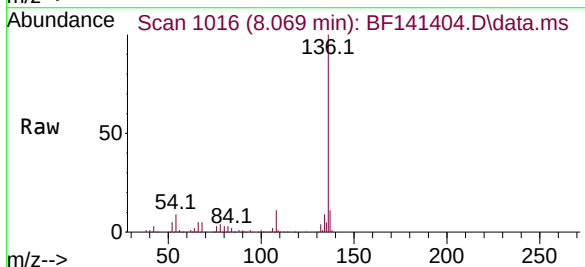
Instrument :
BNA_F
ClientSampleId :
PB166360BL

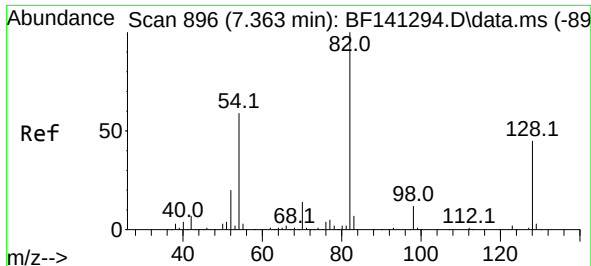
Tgt Ion: 99 Resp: 1034463
Ion Ratio Lower Upper
99 100
42 22.4 17.1 25.7
71 37.3 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

Tgt Ion: 136 Resp: 356027
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 7.8 11.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 101.401 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141404.D

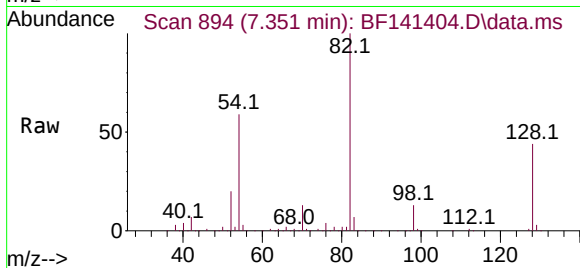
Acq: 04 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

PB166360BL



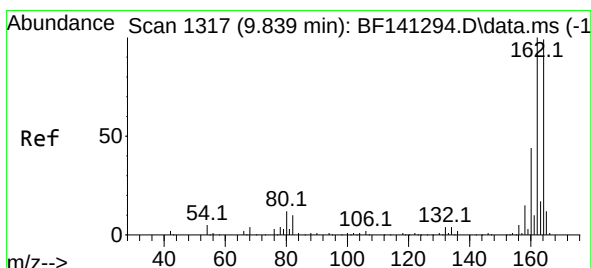
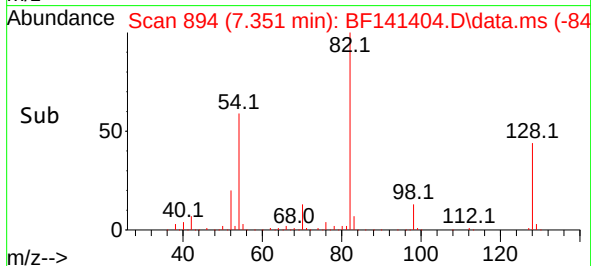
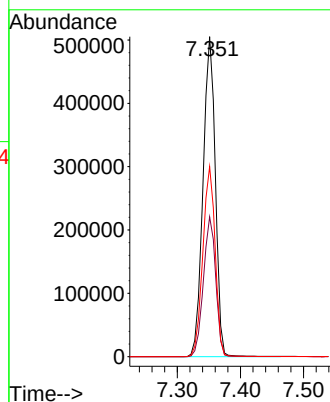
Tgt Ion: 82 Resp: 684826

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

54 59.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

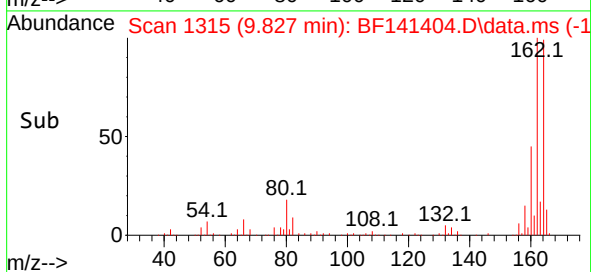
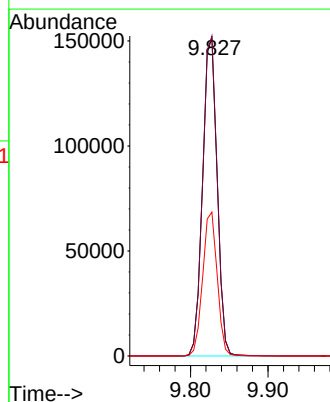
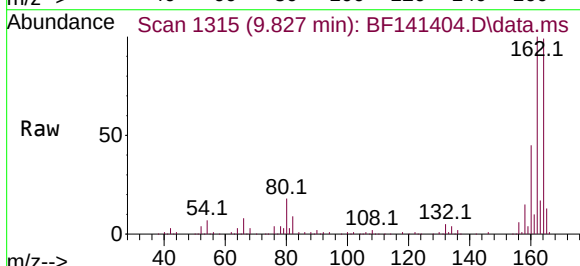
Tgt Ion:164 Resp: 197186

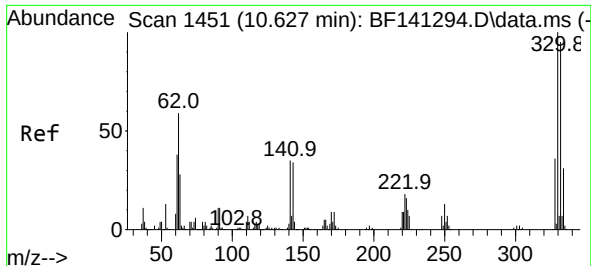
Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 45.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 158.171 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141404.D

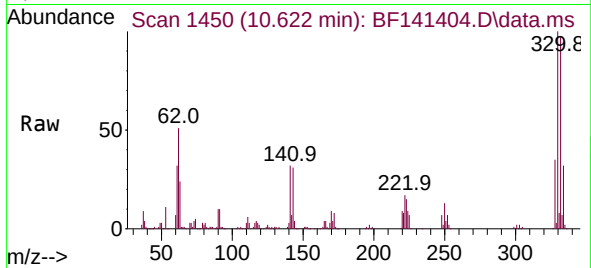
Acq: 04 Feb 2025 13:21

Instrument :

BNA_F

ClientSampleId :

PB166360BL



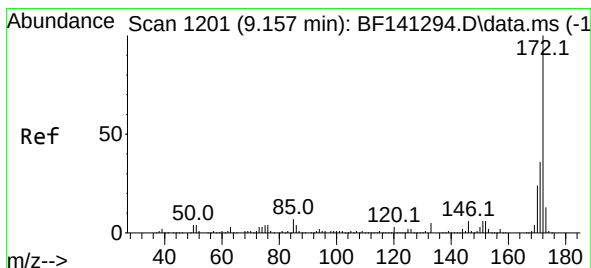
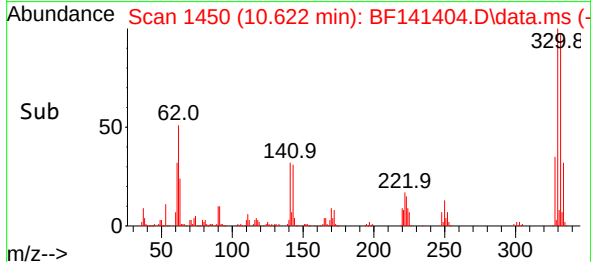
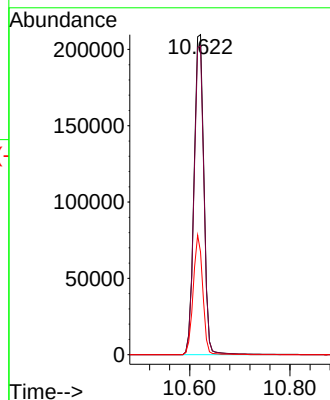
Tgt Ion:330 Resp: 285932

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

141 36.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 99.951 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141404.D

Acq: 04 Feb 2025 13:21

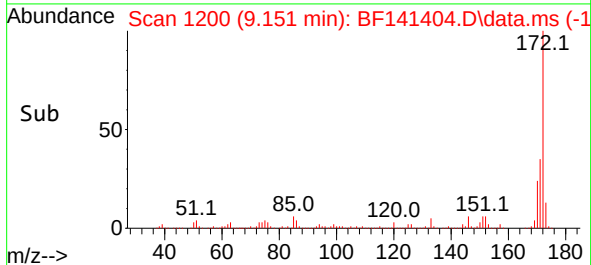
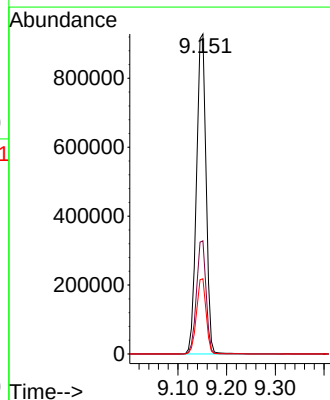
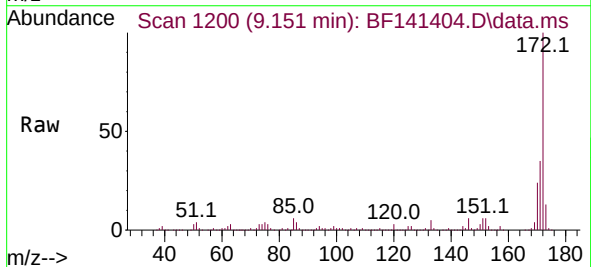
Tgt Ion:172 Resp: 1280476

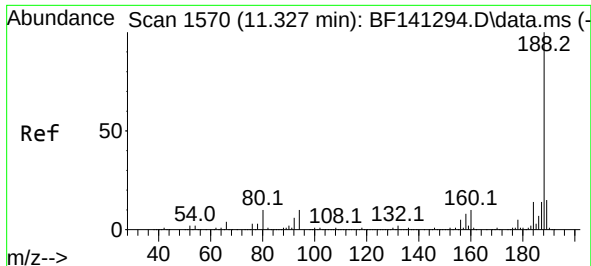
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.0 28.6

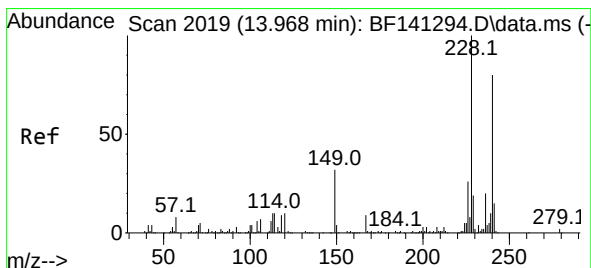
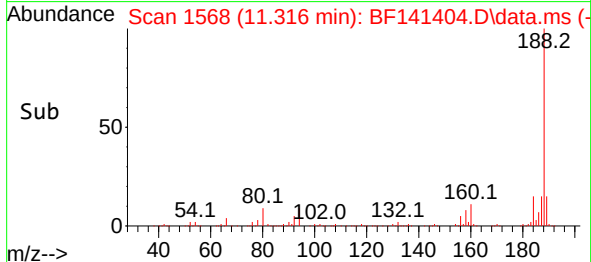
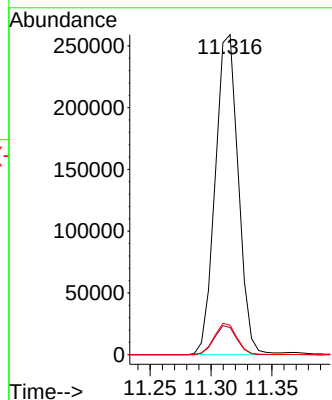
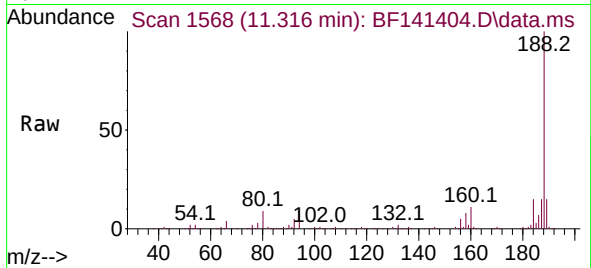




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

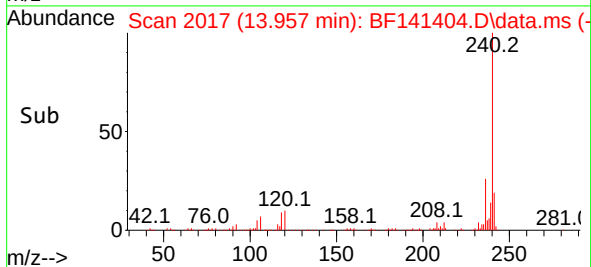
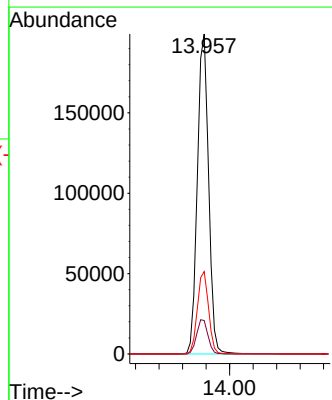
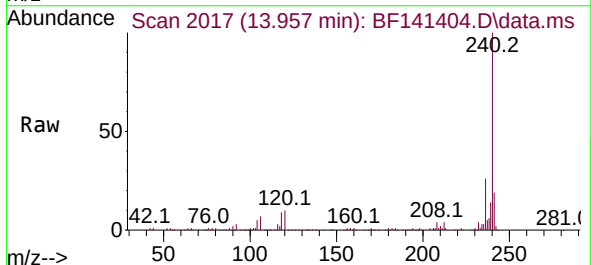
Instrument :
BNA_F
ClientSampleId :
PB166360BL

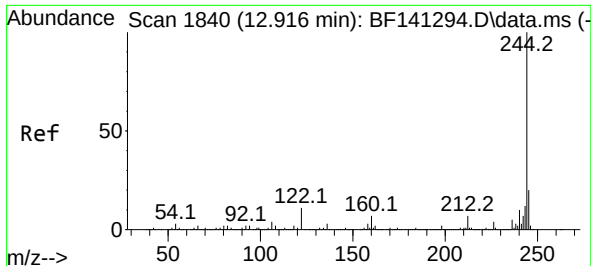
Tgt Ion:188 Resp: 341529
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.2 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141404.D
Acq: 04 Feb 2025 13:21

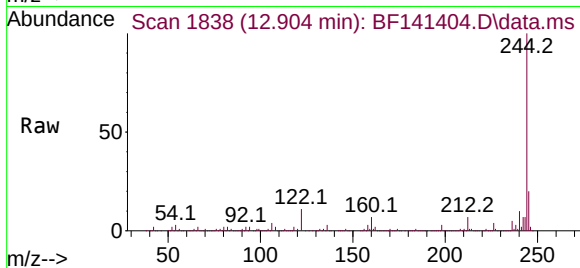
Tgt Ion:240 Resp: 264448
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.7 19.7 29.5



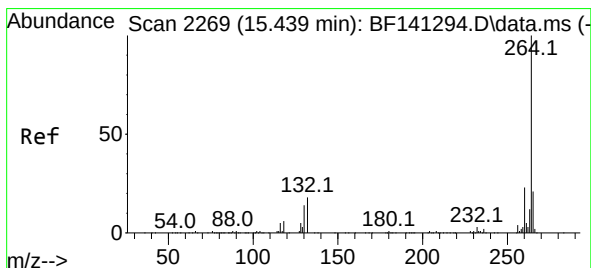
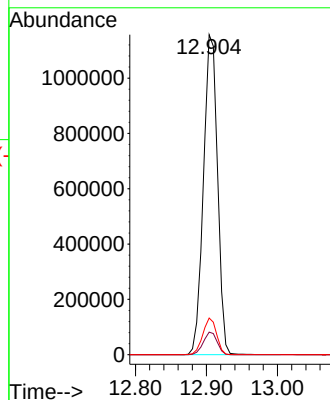
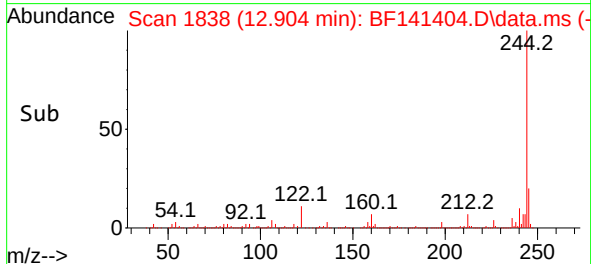


#79
 Terphenyl-d14
 Concen: 93.266 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141404.D
 Acq: 04 Feb 2025 13:21

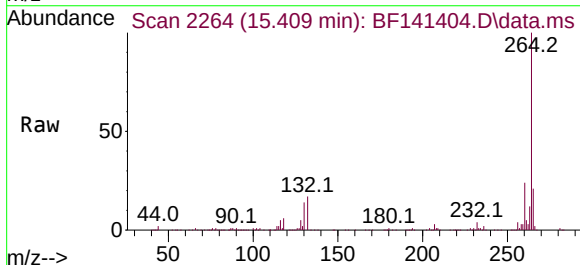
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BL



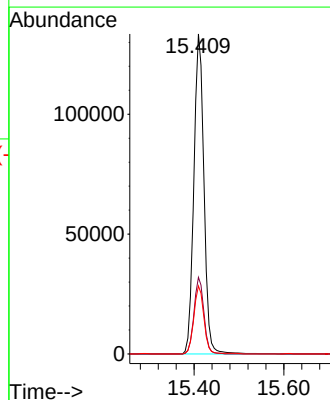
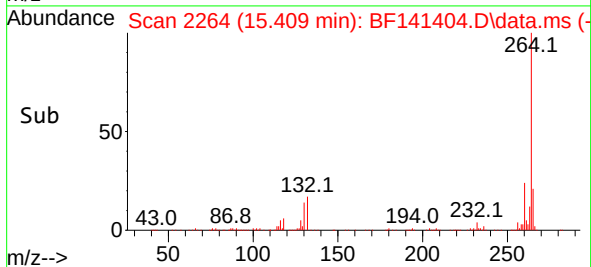
Tgt Ion:244 Resp: 1599284
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.5 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2264
 Delta R.T. -0.030 min
 Lab File: BF141404.D
 Acq: 04 Feb 2025 13:21



Tgt Ion:264 Resp: 208461
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 27.8
 265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141404.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	6	11	27	rVB	81029	139283	3.26%	0.602%
2	5.010	490	496	505	rBV	42297	67961	1.59%	0.294%
3	5.416	559	565	589	rBV	2307688	3124590	73.24%	13.501%
4	6.428	731	737	769	rBV	2316247	3134214	73.46%	13.543%
5	6.786	793	798	803	rBV	444350	539548	12.65%	2.331%
6	7.351	887	894	899	rBV	1544844	2085667	48.88%	9.012%
7	8.069	1011	1016	1028	rBV	559876	720864	16.90%	3.115%
8	9.145	1193	1199	1205	rBV	2749867	3768059	88.32%	16.282%
9	9.827	1309	1315	1326	rBV	637153	832716	19.52%	3.598%
10	10.616	1443	1449	1469	rBV	1768273	2343008	54.92%	10.124%
11	11.316	1562	1568	1575	rBV	645228	849027	19.90%	3.669%
12	12.904	1832	1838	1844	rBV	3131349	4266491	100.00%	18.435%
13	13.957	2011	2017	2026	rBV	536791	710417	16.65%	3.070%
14	15.409	2258	2264	2275	rBV	359543	561348	13.16%	2.426%

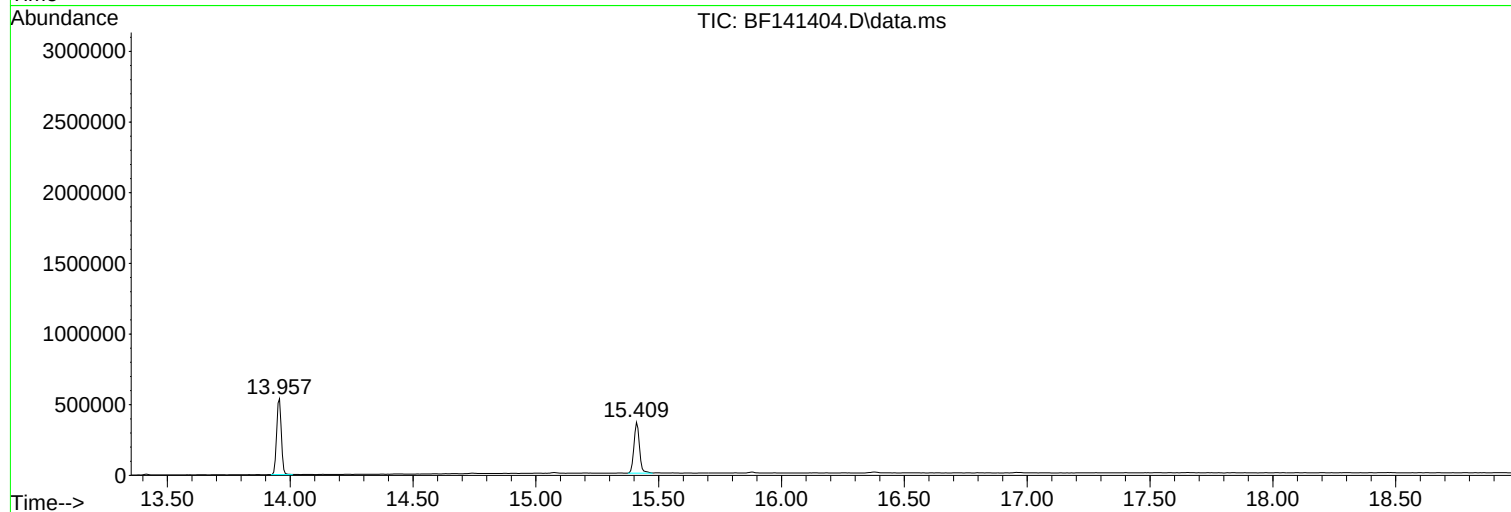
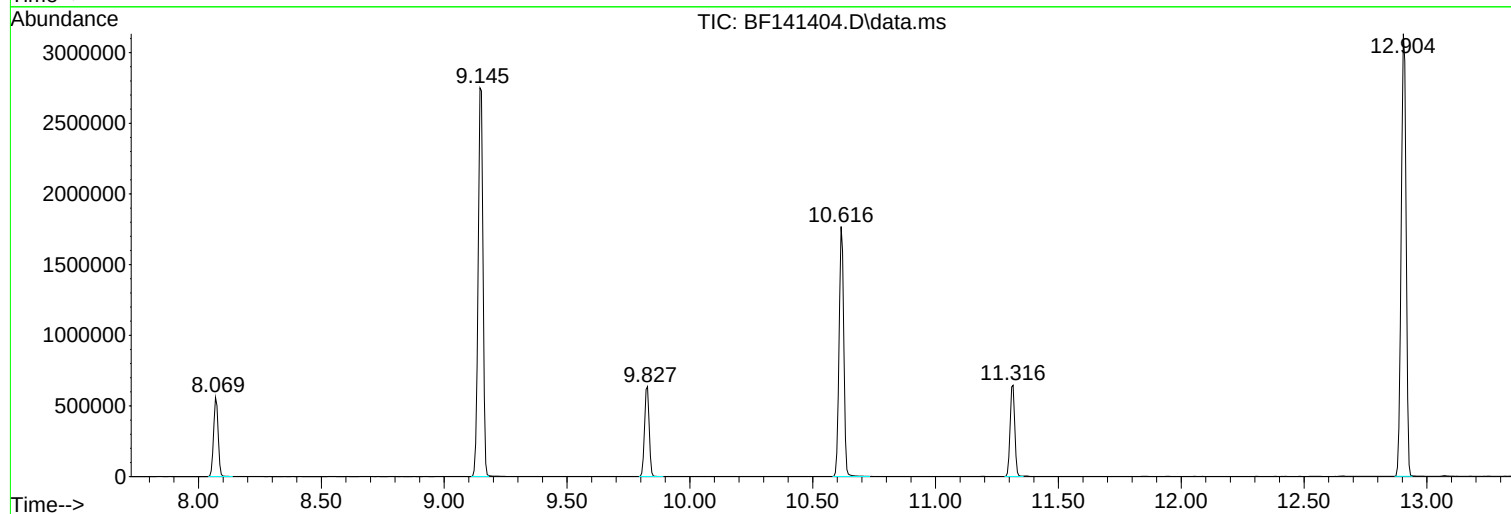
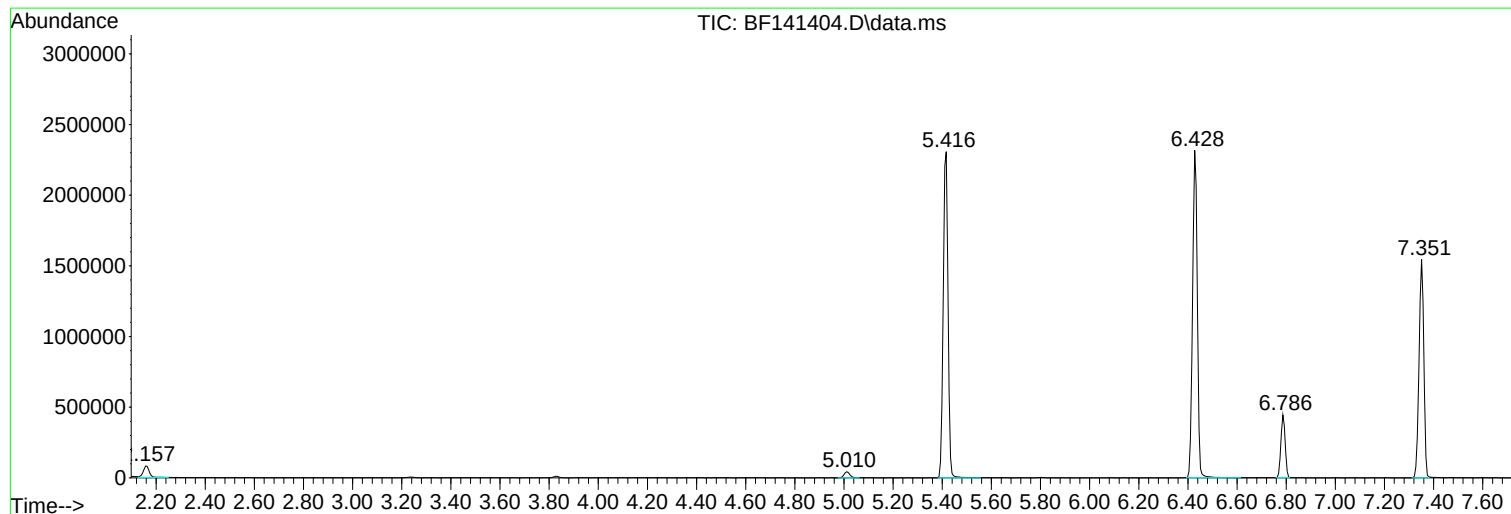
Sum of corrected areas: 23143193

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

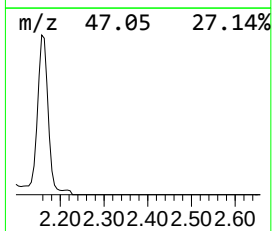
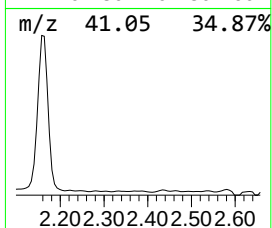
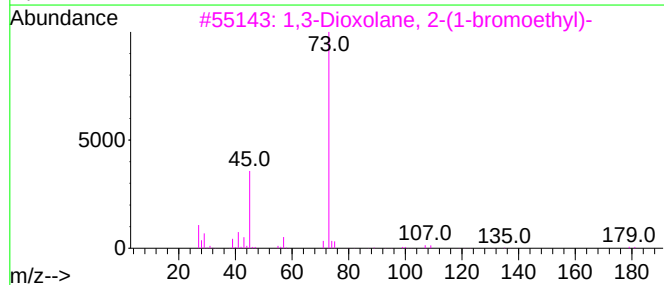
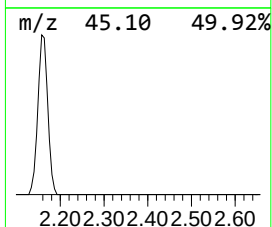
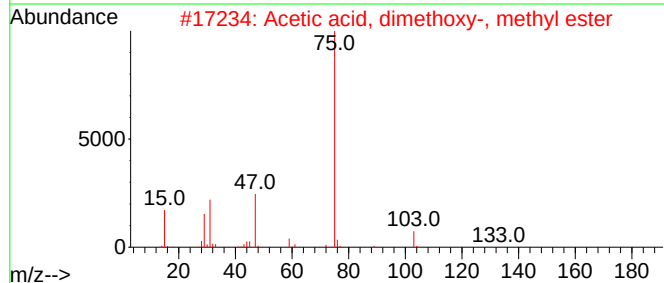
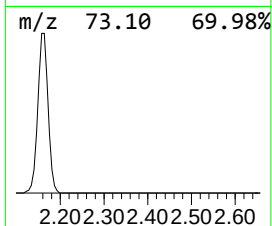
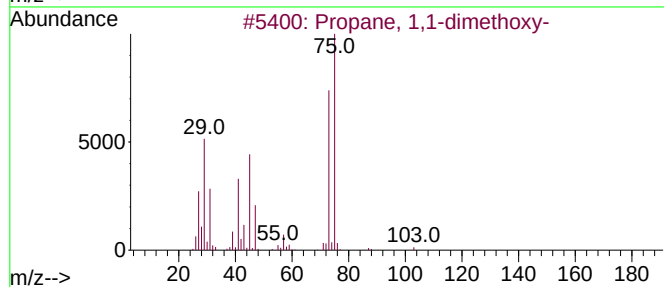
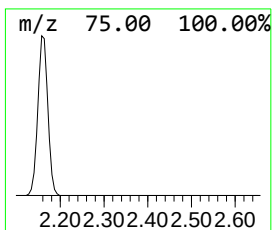
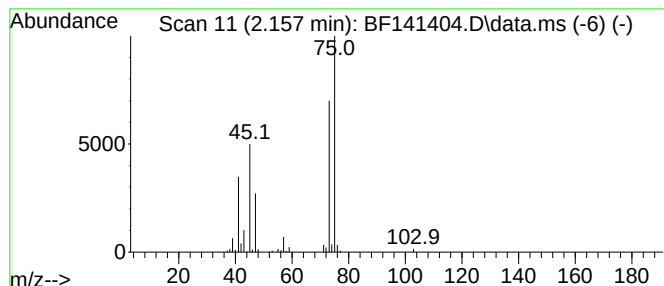
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	5.16 ng	139283	1,4-Dichlorobenzene-d4	6.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2			Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
3			1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	22
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

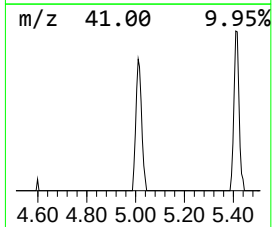
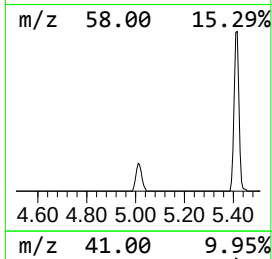
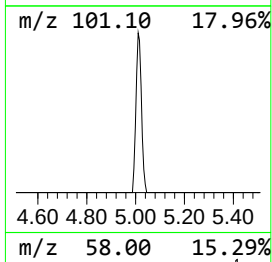
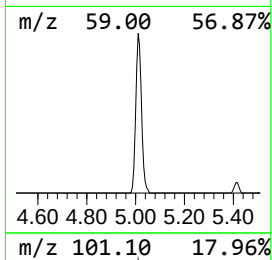
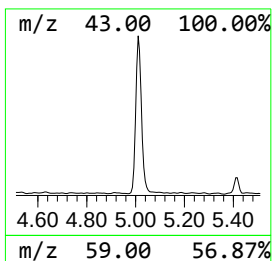
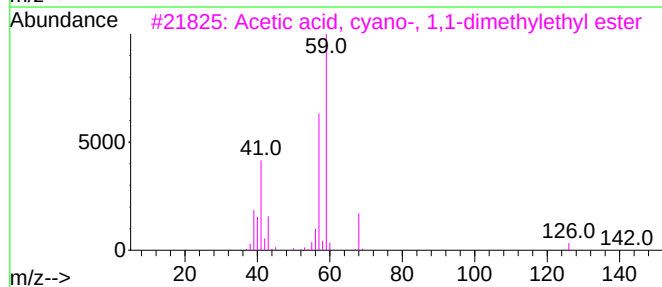
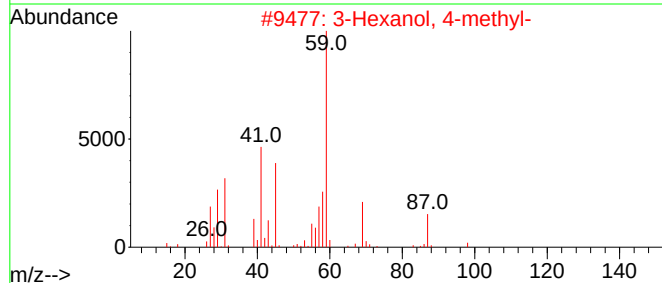
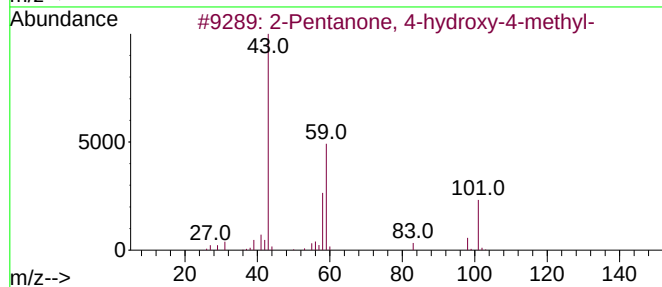
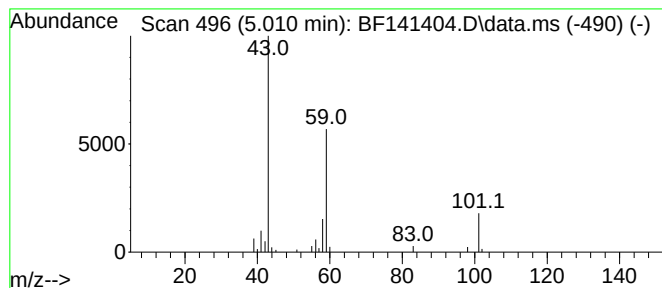
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	2.52 ng	67961	1,4-Dichlorobenzene-d4	6.786

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56	
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141404.D
Acq On : 04 Feb 2025 13:21
Operator : RC/JU
Sample : PB166360BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166360BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propane, 1,1-di...	2.157	5.2	ng	139283	1	6.786	539548	20.0
2-Pentanone, 4-...	5.010	2.5	ng	67961	1	6.786	539548	20.0

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BS	SDG No.:	Q1215
Lab Sample ID:	PB166360BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141405.D	1	01/30/25 09:15	02/04/25 13:47	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	330	ug/Kg
108-95-2	Phenol	1300		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1600		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	610		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	170	ug/Kg
105-60-2	Caprolactam	1500		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6300	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BS	SDG No.:	Q1215
Lab Sample ID:	PB166360BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141405.D	1	01/30/25 09:15	02/04/25 13:47	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	770		89.2	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1500		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1500		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1200		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	690		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		80.7	170	ug/Kg
218-01-9	Chrysene	1400		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166360BS	SDG No.:	Q1215
Lab Sample ID:	PB166360BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141405.D	1	01/30/25 09:15	02/04/25 13:47	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.7		18 - 107	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		20 - 109	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		10 - 116	103%	SPK: 150
1718-51-0	Terphenyl-d14	85.1		10 - 105	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88400	6.787			
1146-65-2	Naphthalene-d8	354000	8.075			
15067-26-2	Acenaphthene-d10	192000	9.828			
1517-22-2	Phenanthrene-d10	332000	11.316			
1719-03-5	Chrysene-d12	257000	13.963			
1520-96-3	Perylene-d12	211000	15.421			

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 : BF141405.D
 Acq On : 04 Feb 2025 13:47
 Operator : RC/JU
 Sample : PB166360BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

Quant Time: Feb 04 14:17:57 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 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88432	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	354444	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	192238	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	331523	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	256577	20.000	ng	-0.01
86) Perylene-d12	15.421	264	210910	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	769318	133.556	ng	0.00
7) Phenol-d6	6.434	99	936922	127.858	ng	0.00
23) Nitrobenzene-d5	7.357	82	623241	92.695	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	271316	153.949	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1183823	94.785	ng	-0.01
79) Terphenyl-d14	12.904	244	1416066	85.114	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.546	88	99205	39.160	ng	99
3) Pyridine	3.275	79	223408	36.601	ng	98
4) n-Nitrosodimethylamine	3.216	42	151052	43.320	ng	90
6) Aniline	6.451	93	235017	37.888	ng	# 22
8) 2-Chlorophenol	6.581	128	264577	42.853	ng	96
9) Benzaldehyde	6.340	77	205545	48.426	ng	98
10) Phenol	6.446	94	311602	40.114	ng	# 65
11) bis(2-Chloroethyl)ether	6.528	93	239698	40.245	ng	98
12) 1,3-Dichlorobenzene	6.728	146	274342	40.300	ng	99
13) 1,4-Dichlorobenzene	6.804	146	276285	40.400	ng	99
14) 1,2-Dichlorobenzene	6.957	146	266079	41.550	ng	99
15) Benzyl Alcohol	6.934	79	230635	46.055	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	403685	38.977	ng	55
17) 2-Methylphenol	7.057	107	204968	40.848	ng	# 89
18) Hexachloroethane	7.298	117	104293	41.339	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	182475	41.908	ng	99
20) 3+4-Methylphenols	7.204	107	263250	42.728	ng	91
22) Acetophenone	7.198	105	403906	47.941	ng	# 97
24) Nitrobenzene	7.375	77	280239	40.220	ng	100
25) Isophorone	7.610	82	496476	42.717	ng	99
26) 2-Nitrophenol	7.687	139	137753	41.920	ng	94
27) 2,4-Dimethylphenol	7.734	122	218249m	52.180	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	296047	39.933	ng	99
29) 2,4-Dichlorophenol	7.940	162	219155	42.800	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	235183	40.218	ng	100
31) Naphthalene	8.092	128	760572	40.619	ng	100
32) Benzoic acid	7.857	122	180009	46.816	ng	97
33) 4-Chloroaniline	8.145	127	115619	18.209	ng	98
34) Hexachlorobutadiene	8.210	225	146819	42.813	ng	99
35) Caprolactam	8.510	113	76562m	45.783	ng	
36) 4-Chloro-3-methylphenol	8.640	107	240374	43.764	ng	96
37) 2-Methylnaphthalene	8.787	142	481699	40.476	ng	99
38) 1-Methylnaphthalene	8.887	142	466741	39.925	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	256112	46.830	ng	99
41) Hexachlorocyclopentadiene	8.939	237	304265	188.383	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	157506	44.001	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141405.D
 Acq On : 04 Feb 2025 13:47
 Operator : RC/JU
 Sample : PB166360BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 04 14:17:57 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

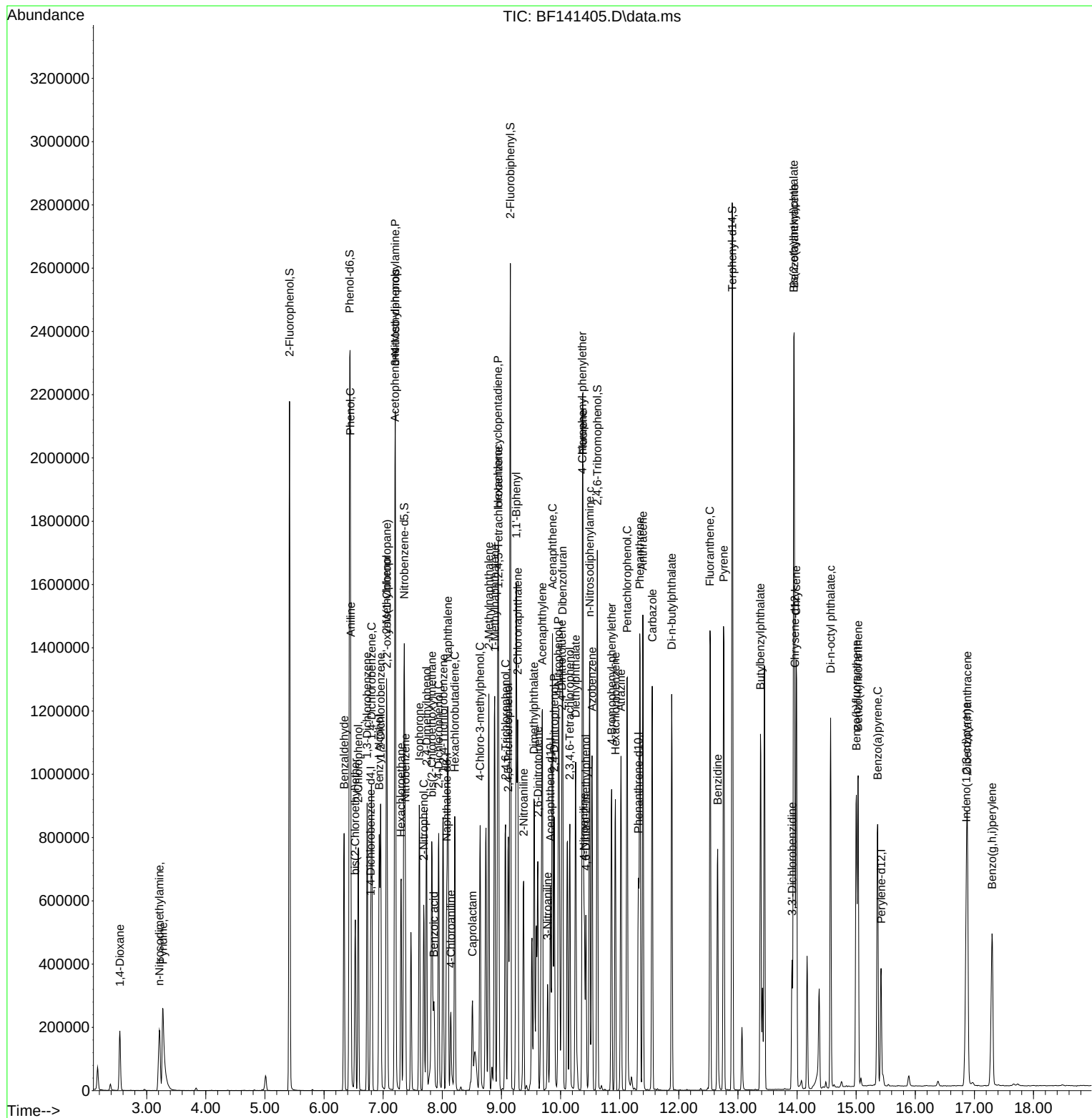
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	166270	42.677	ng	99
46) 1,1'-Biphenyl	9.251	154	697536	46.526	ng	99
47) 2-Chloronaphthalene	9.275	162	474573	40.612	ng	99
48) 2-Nitroaniline	9.375	65	160837	43.758	ng	97
49) Acenaphthylene	9.692	152	742670	45.402	ng	100
50) Dimethylphthalate	9.551	163	559047	43.058	ng	99
51) 2,6-Dinitrotoluene	9.616	165	122811	40.738	ng	98
52) Acenaphthene	9.863	154	562051m	48.096	ng	
53) 3-Nitroaniline	9.781	138	68407	23.152	ng	94
54) 2,4-Dinitrophenol	9.892	184	154202	110.036	ng	92
55) Dibenzofuran	10.034	168	670888	42.889	ng	97
56) 4-Nitrophenol	9.963	139	216899	100.375	ng	91
57) 2,4-Dinitrotoluene	10.022	165	172043	44.078	ng	94
58) Fluorene	10.381	166	529308	43.624	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	144118	47.020	ng	98
60) Diethylphthalate	10.257	149	546694	43.426	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	253263	42.731	ng	96
62) 4-Nitroaniline	10.398	138	125138	43.079	ng	90
63) Azobenzene	10.533	77	534762	42.436	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	99101	50.537	ng	98
66) n-Nitrosodiphenylamine	10.492	169	467566	43.605	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	160678	43.292	ng	98
68) Hexachlorobenzene	10.928	284	171129	43.467	ng	98
69) Atrazine	11.022	200	183809	51.270	ng	99
70) Pentachlorophenol	11.128	266	221801	96.208	ng	99
71) Phenanthrene	11.339	178	802178	45.014	ng	100
72) Anthracene	11.392	178	822918	47.129	ng	100
73) Carbazole	11.551	167	716227	46.259	ng	99
74) Di-n-butylphthalate	11.880	149	862780	45.981	ng	99
75) Fluoranthene	12.527	202	863695	49.085	ng	98
77) Benzidine	12.657	184	410980	49.964	ng	99
78) Pyrene	12.757	202	881155	35.777	ng	100
80) Butylbenzylphthalate	13.380	149	360119	41.853	ng	98
81) Benzo(a)anthracene	13.951	228	716906	40.491	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	115963	20.593	ng	99
83) Chrysene	13.986	228	689060	42.465	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	480602	44.032	ng	99
85) Di-n-octyl phthalate	14.569	149	750526	44.271	ng	99
87) Indeno(1,2,3-cd)pyrene	16.863	276	575069	42.245	ng	96
88) Benzo(b)fluoranthene	15.004	252	598008	45.076	ng	98
89) Benzo(k)fluoranthene	15.033	252	545420	46.408	ng	99
90) Benzo(a)pyrene	15.363	252	528708	47.160	ng	98
91) Dibenzo(a,h)anthracene	16.880	278	463193	42.293	ng	98
92) Benzo(g,h,i)perylene	17.298	276	436604	38.340	ng	96

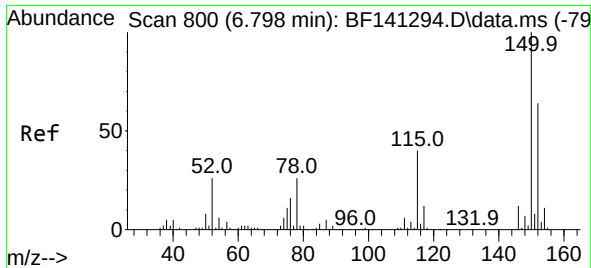
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 04 14:17:57 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





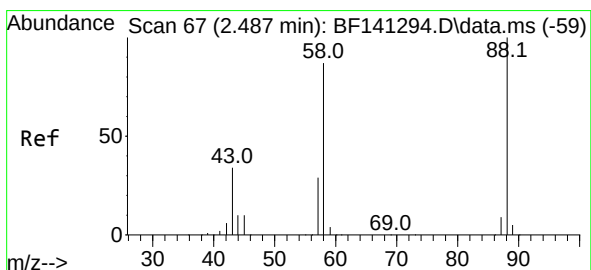
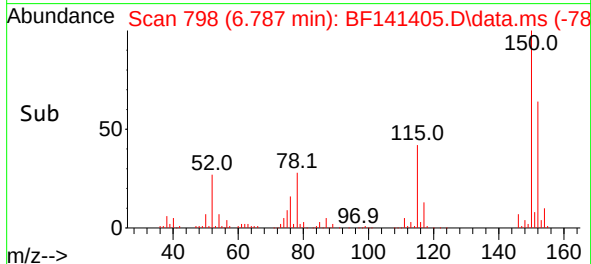
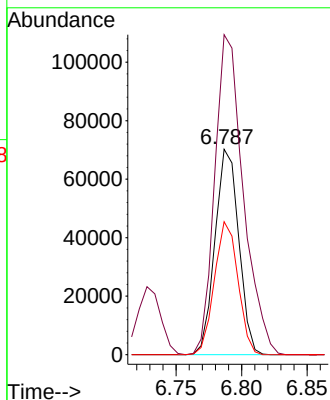
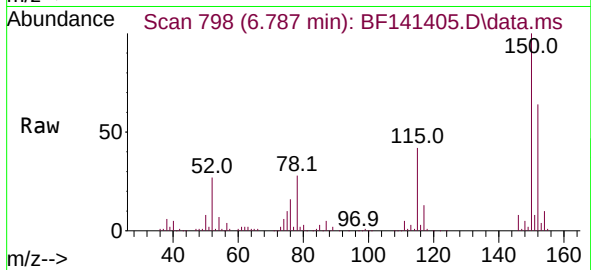
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:152 Resp: 8843
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 64.7 49.7 74.5

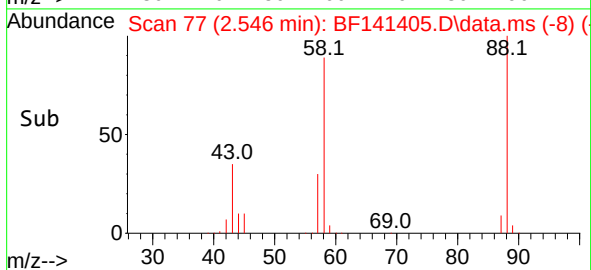
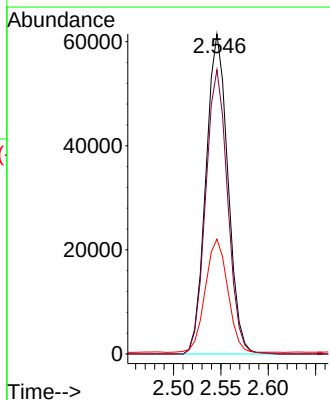
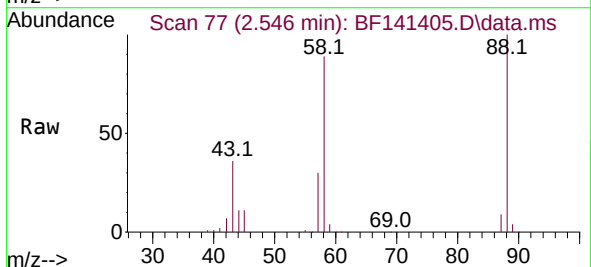
Manual Integrations
APPROVED

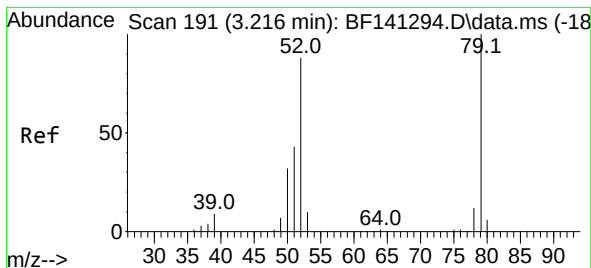
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#2
1,4-Dioxane
Concen: 39.160 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 88 Resp: 99205
Ion Ratio Lower Upper
88 100
58 88.6 70.2 105.4
43 36.0 27.6 41.4





#3

Pyridine

Concen: 36.601 ng

RT: 3.275 min Scan# 201

Delta R.T. 0.047 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

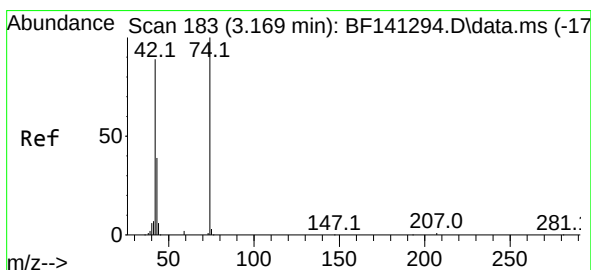
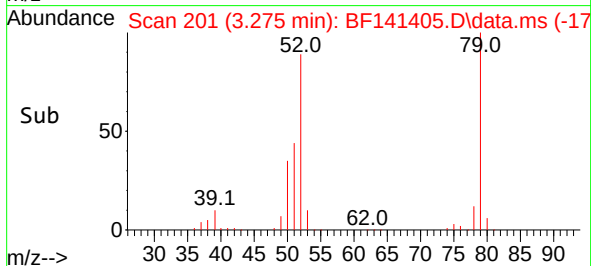
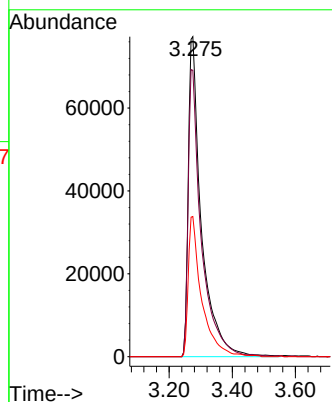
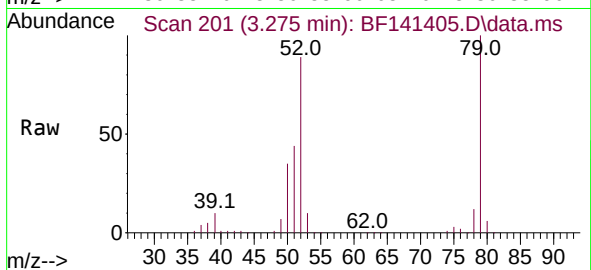
ClientSampleId :

PB166360BS

Tgt Ion:	79	Resp:	223408
Ion Ratio	Lower	Upper	
79	100		
52	89.5	70.3	105.5
51	43.8	34.3	51.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#4

n-Nitrosodimethylamine

Concen: 43.320 ng

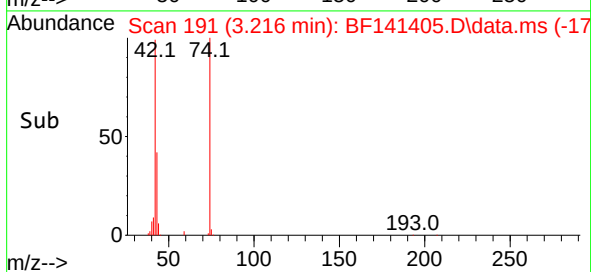
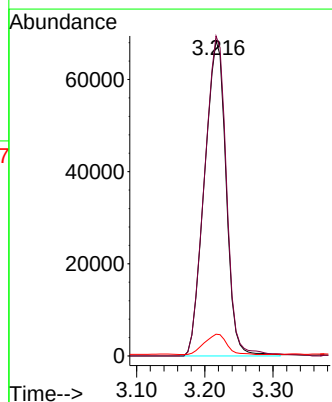
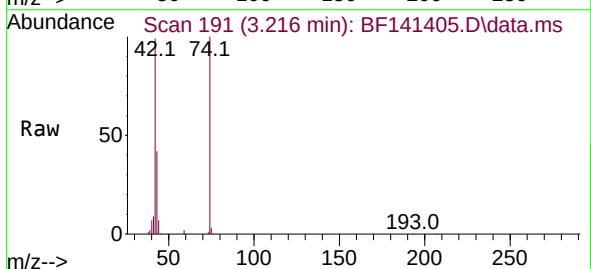
RT: 3.216 min Scan# 191

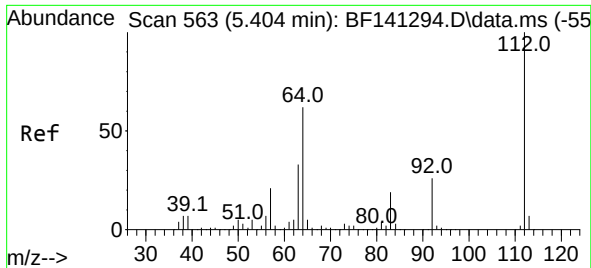
Delta R.T. 0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:	42	Resp:	151052
Ion Ratio	Lower	Upper	
42	100		
74	101.5	90.3	135.5
44	6.9	5.7	8.5





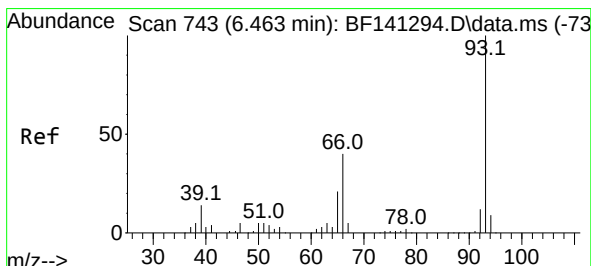
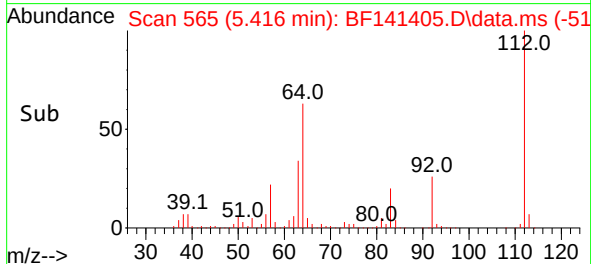
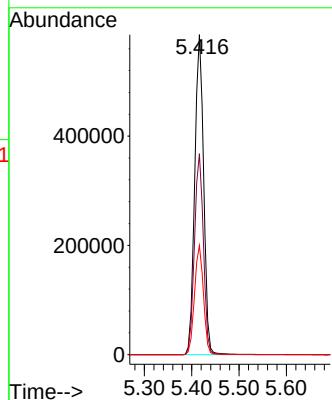
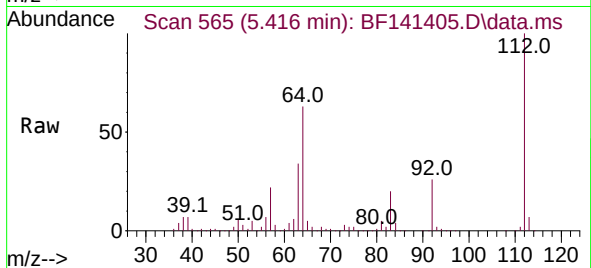
#5
2-Fluorophenol
Concen: 133.556 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:112 Resp: 769318
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 34.1 26.1 39.1

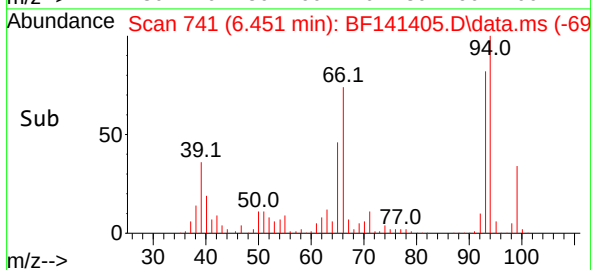
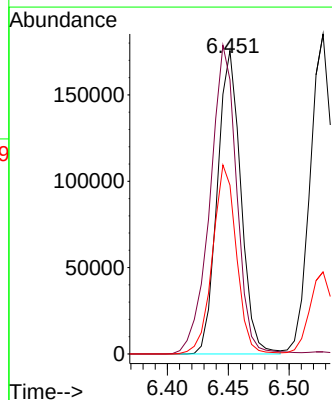
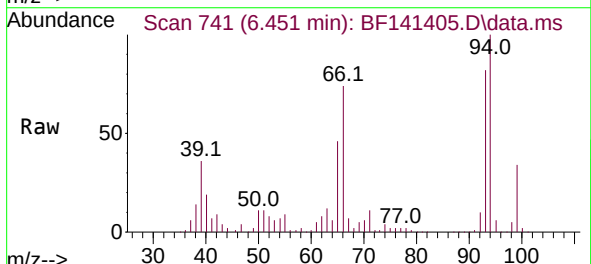
Manual Integrations
APPROVED

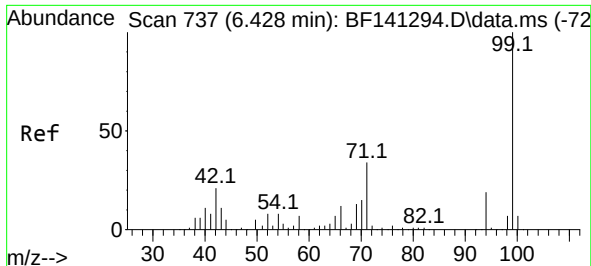
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#6
Aniline
Concen: 37.888 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 93 Resp: 235017
Ion Ratio Lower Upper
93 100
66 90.4 32.5 48.7#
65 55.6 17.0 25.6#





#7

Phenol-d6

Concen: 127.858 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion: 99 Resp: 93692

Ion Ratio Lower Upper

99 100

42 22.7 17.1 25.7

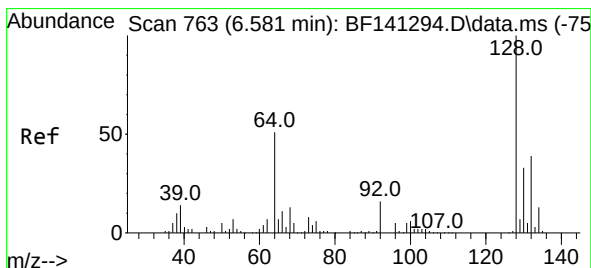
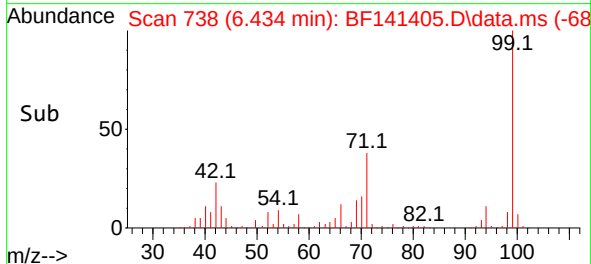
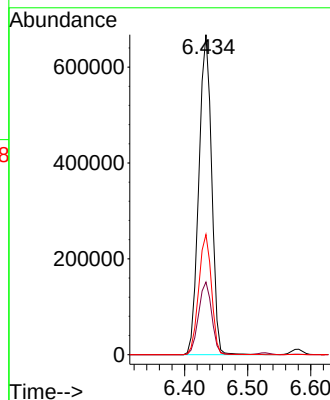
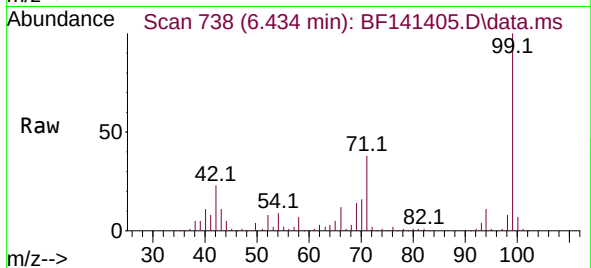
71 37.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#8

2-Chlorophenol

Concen: 42.853 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

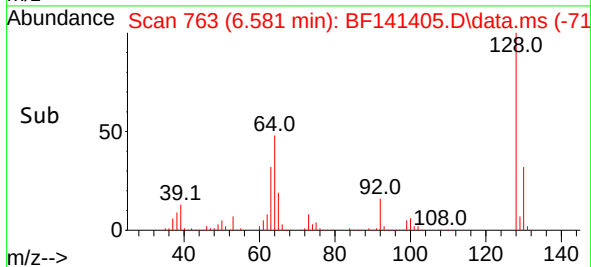
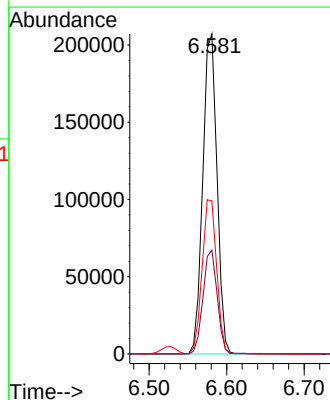
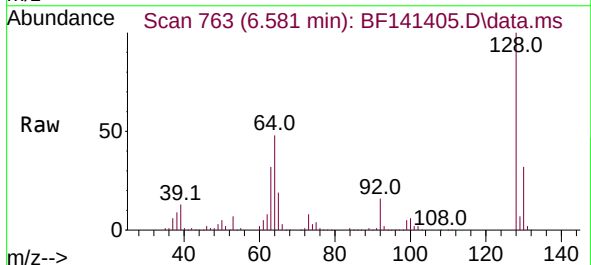
Tgt Ion:128 Resp: 264577

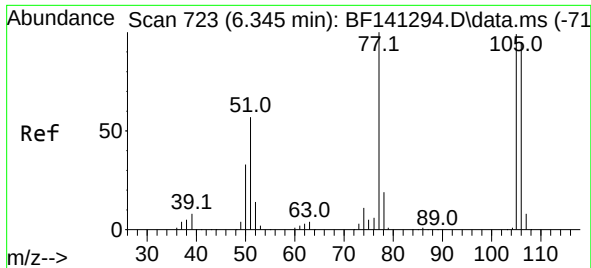
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

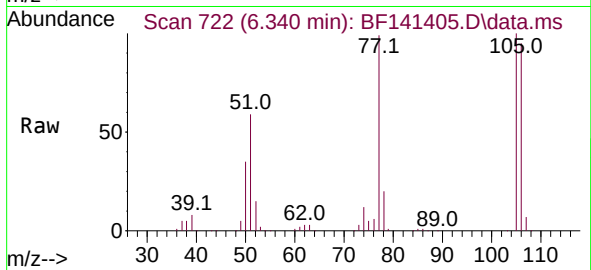
64 47.8 32.9 72.9





#9
Benzaldehyde
Concen: 48.426 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

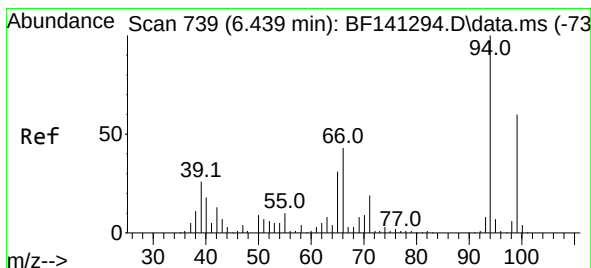
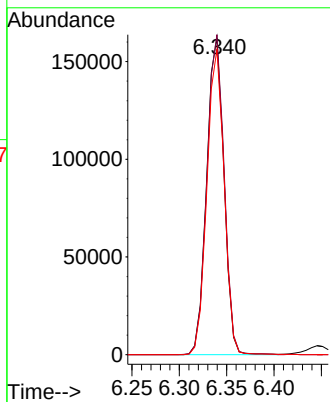
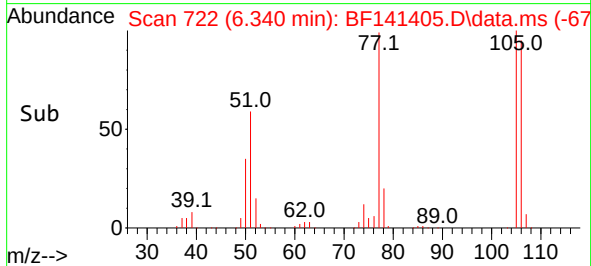
Instrument :
BNA_F
ClientSampleId :
PB166360BS



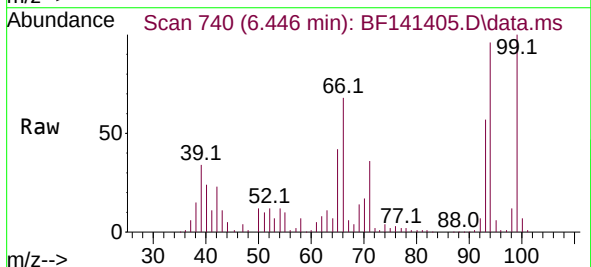
Tgt Ion: 77 Resp: 20554
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 96.3 74.6 114.6

Manual Integrations
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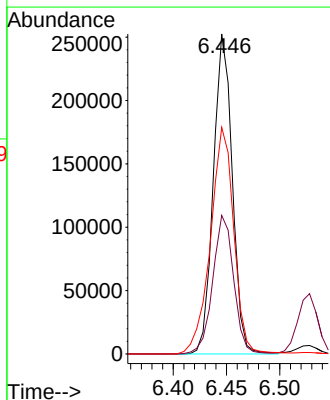
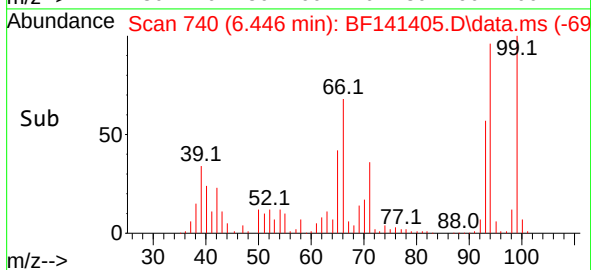
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

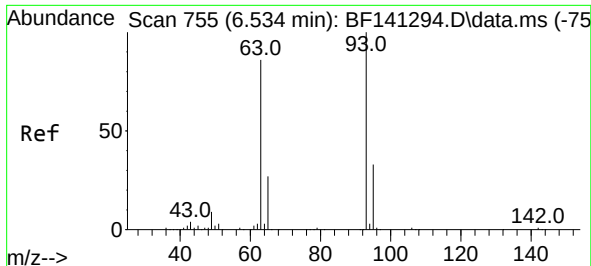


#10
Phenol
Concen: 40.114 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion: 94 Resp: 311602
Ion Ratio Lower Upper
94 100
65 43.3 10.8 50.8
66 70.8 23.3 63.3#





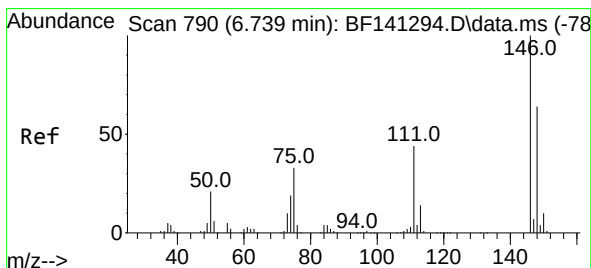
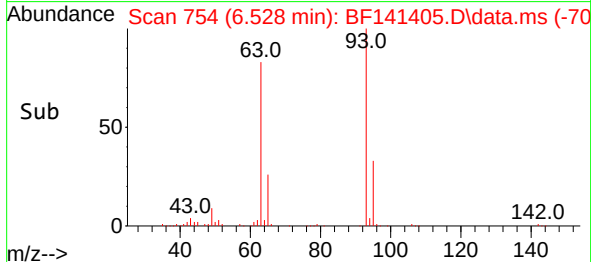
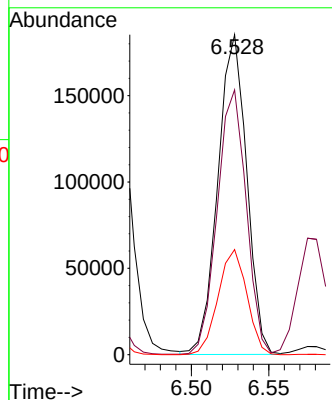
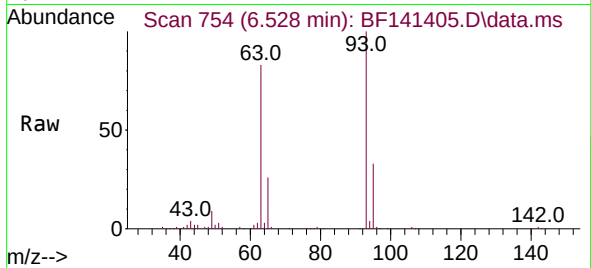
#11
bis(2-Chloroethyl)ether
Concen: 40.245 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion: 93 Resp: 239698
Ion Ratio Lower Upper
93 100
63 82.7 65.0 105.0
95 32.8 12.4 52.4

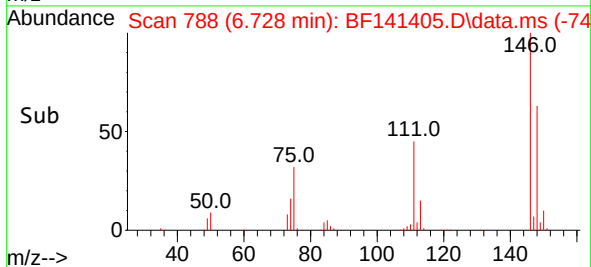
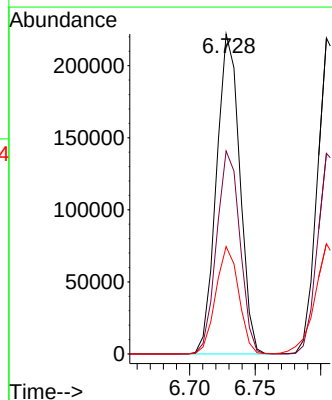
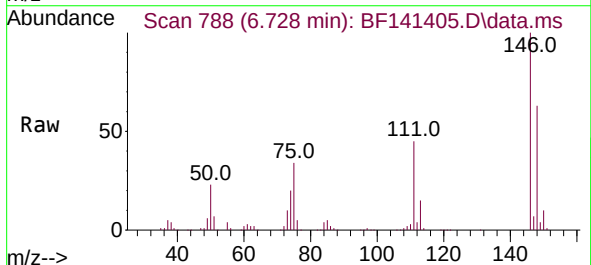
Manual Integrations
APPROVED

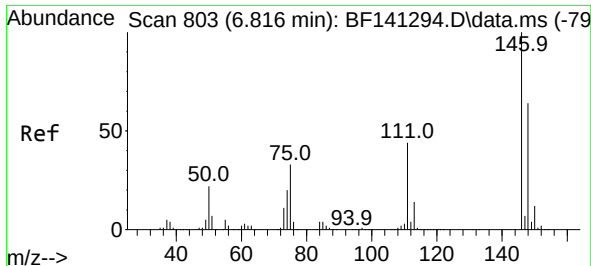
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#12
1,3-Dichlorobenzene
Concen: 40.300 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:146 Resp: 274342
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 33.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.400 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

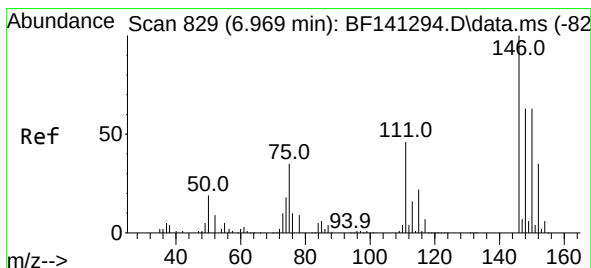
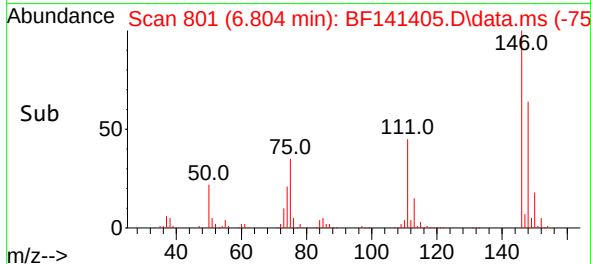
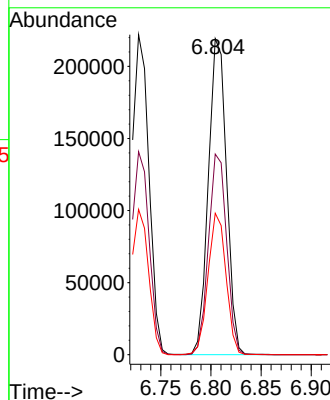
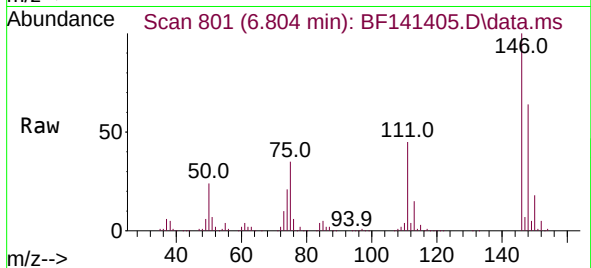
ClientSampleId :

PB166360BS

Tgt Ion:146 Resp: 276285
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.2 76.8
 111 44.8 35.0 52.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#14

1,2-Dichlorobenzene

Concen: 41.550 ng

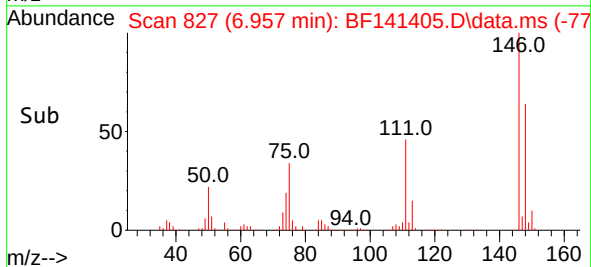
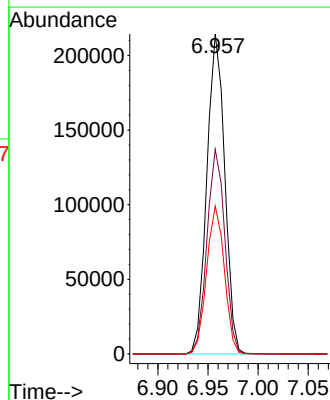
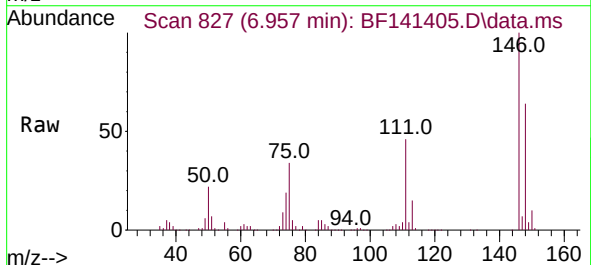
RT: 6.957 min Scan# 827

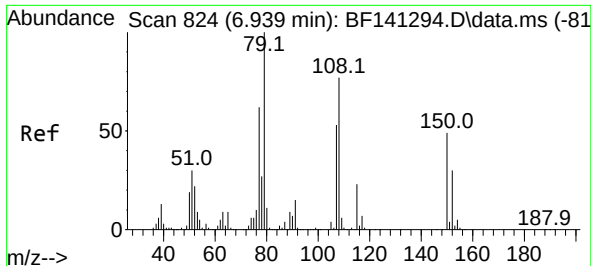
Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

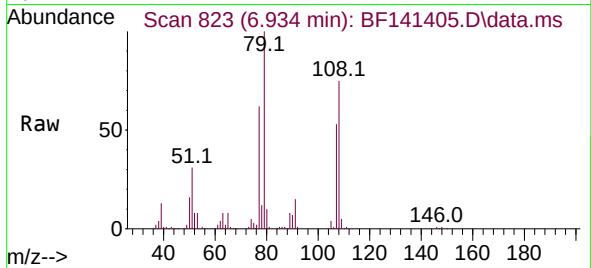
Tgt Ion:146 Resp: 266079
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.5 75.7
 111 46.2 36.6 55.0





#15
Benzyl Alcohol
Concen: 46.055 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

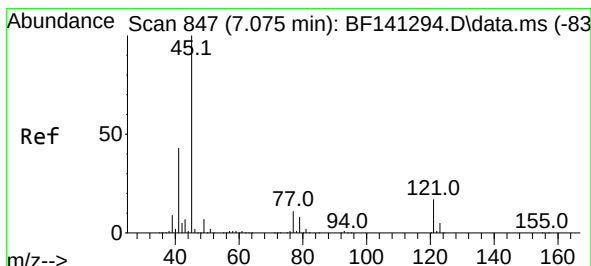
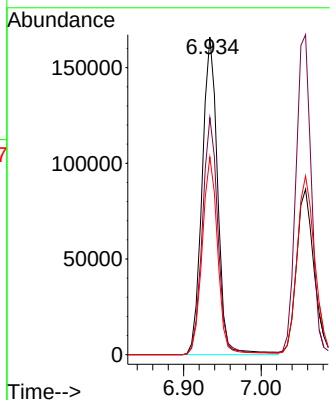
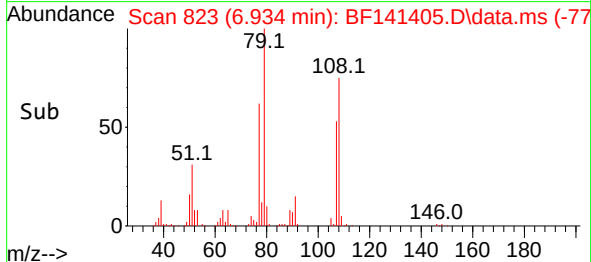
Instrument :
BNA_F
ClientSampleId :
PB166360BS



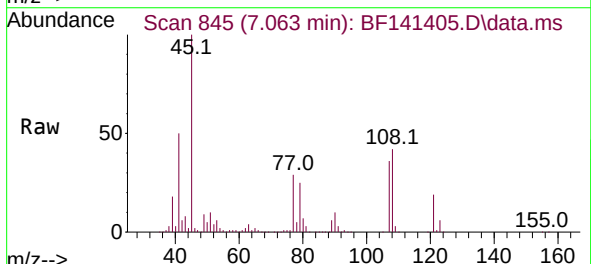
Tgt Ion: 79 Resp: 230635
Ion Ratio Lower Upper
79 100
108 74.6 61.4 92.0
77 62.2 49.9 74.9

Manual Integrations
APPROVED

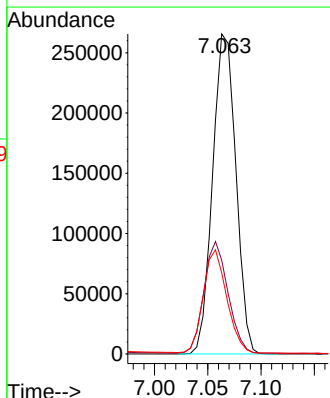
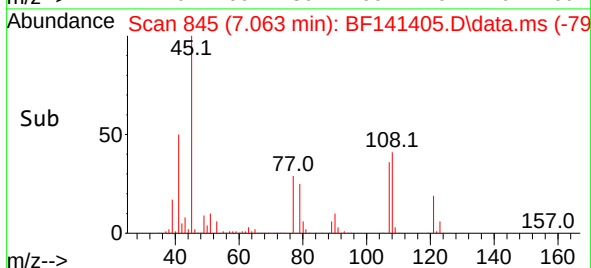
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

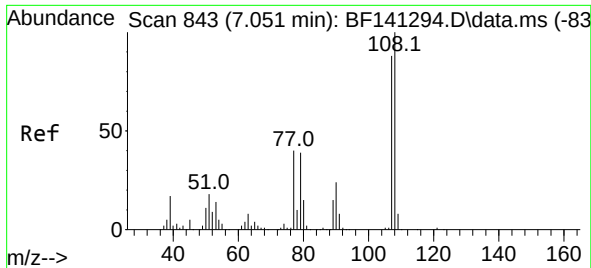


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.977 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



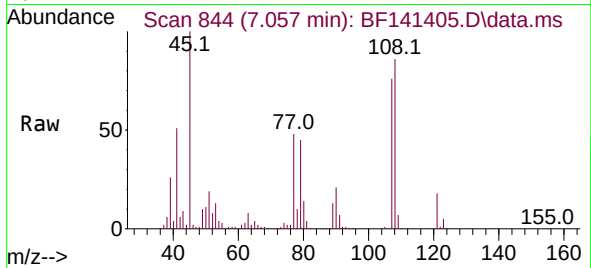
Tgt Ion: 45 Resp: 403685
Ion Ratio Lower Upper
45 100
77 29.3 0.0 31.8
79 25.3 0.0 29.1





#17
2-Methylphenol
Concen: 40.848 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

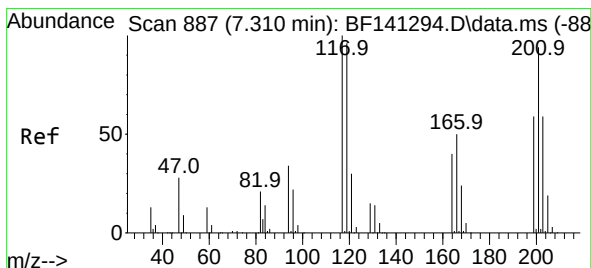
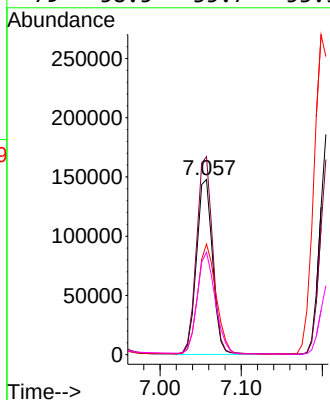
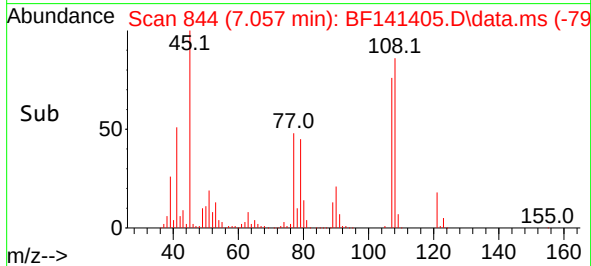
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:107 Resp: 204968
Ion Ratio Lower Upper
107 100
108 113.1 90.8 136.2
77 63.2 36.2 54.4
79 58.5 35.7 53.5#

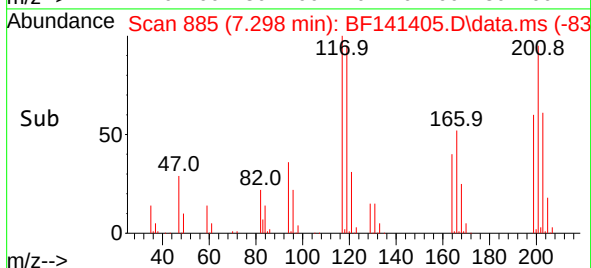
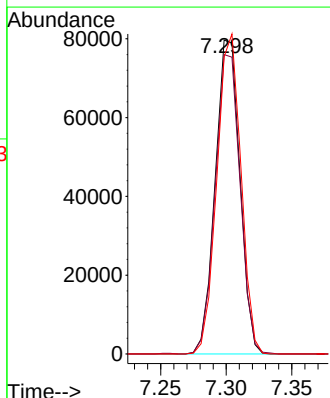
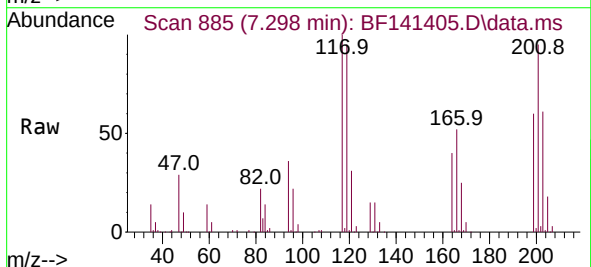
Manual Integrations
APPROVED

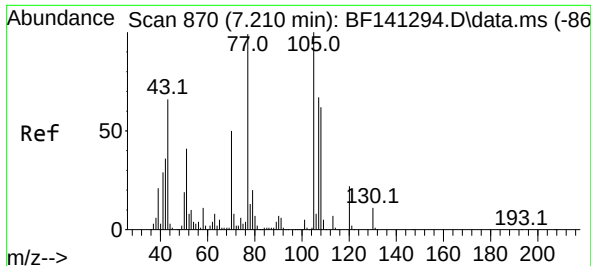
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

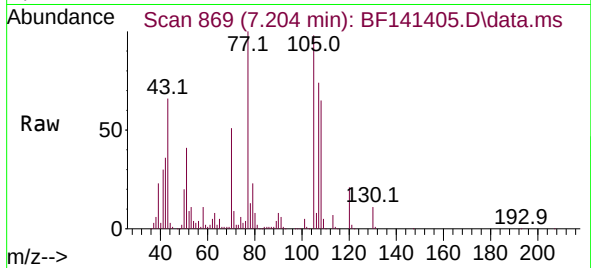
Tgt Ion:117 Resp: 104293
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8
201 94.6 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 41.908 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

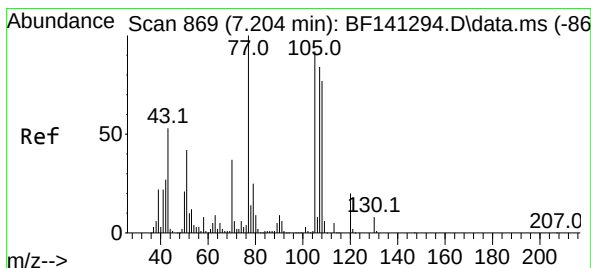
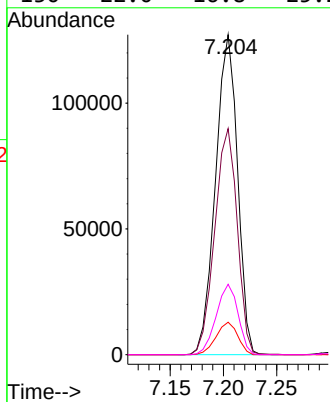
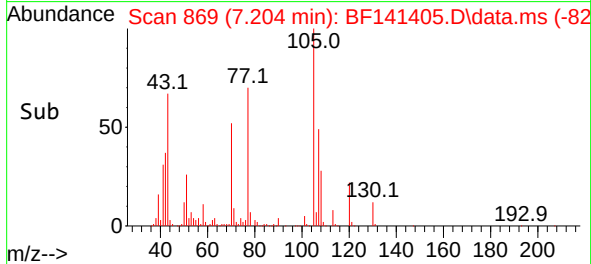
Instrument :
BNA_F
ClientSampleId :
PB166360BS



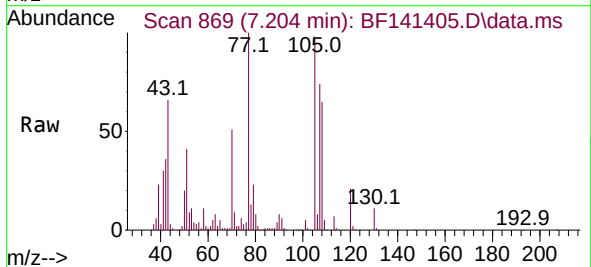
Tgt Ion: 70 Resp: 182475
Ion Ratio Lower Upper
70 100
42 70.6 56.8 85.2
101 10.2 7.7 11.5
130 22.0 16.8 25.2

Manual Integrations
APPROVED

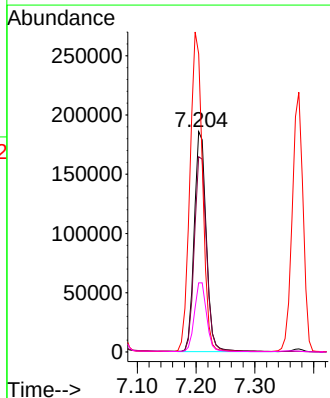
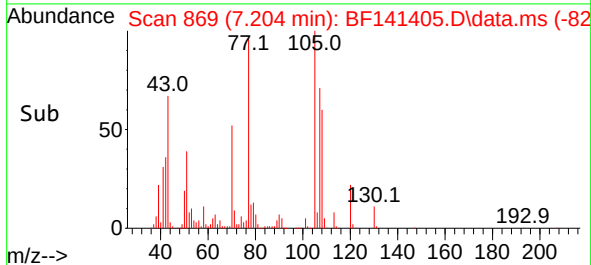
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

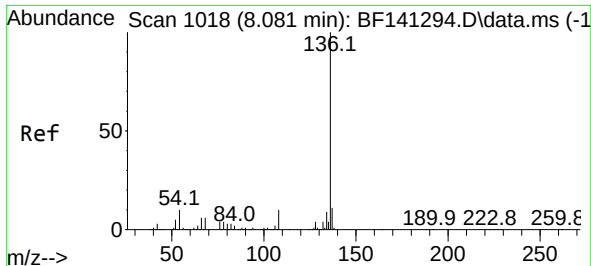


#20
3+4-Methylphenols
Concen: 42.728 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



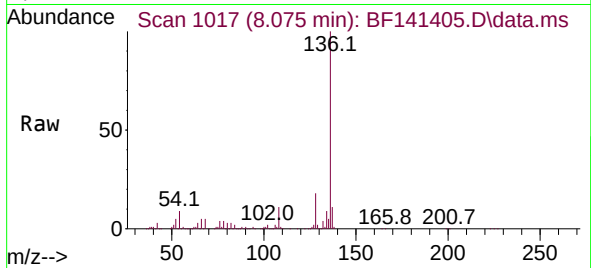
Tgt Ion:107 Resp: 263250
Ion Ratio Lower Upper
107 100
108 88.6 70.9 110.9
77 135.3 98.5 138.5
79 31.4 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

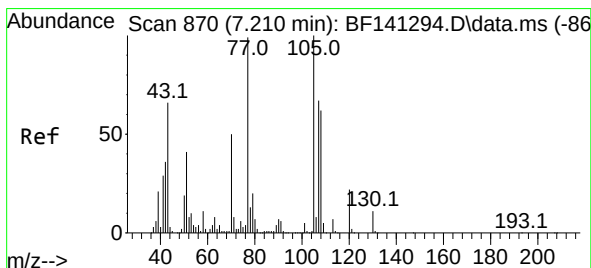
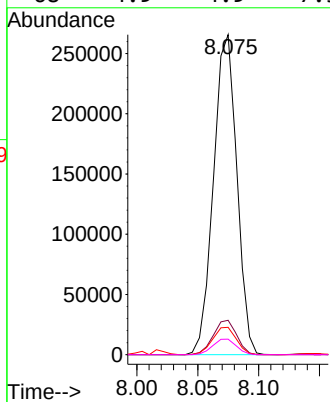
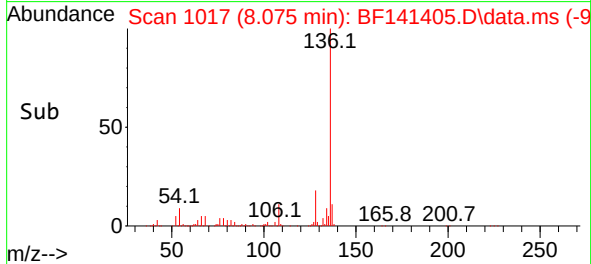
Instrument :
BNA_F
ClientSampleId :
PB166360BS



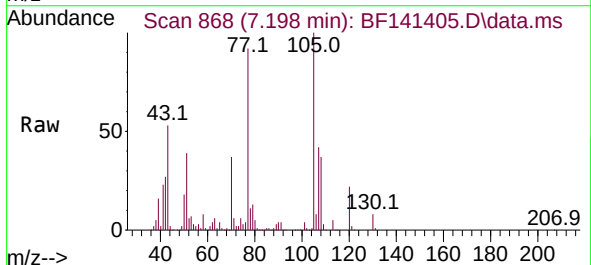
Tgt Ion:136 Resp: 354444
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.8 11.8
68 4.9 4.9 7.3#

Manual Integrations
APPROVED

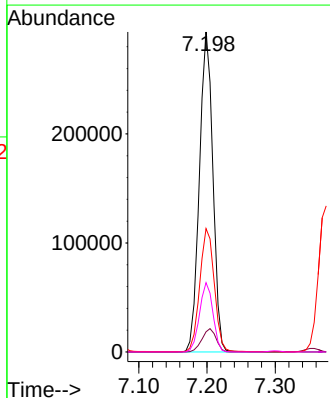
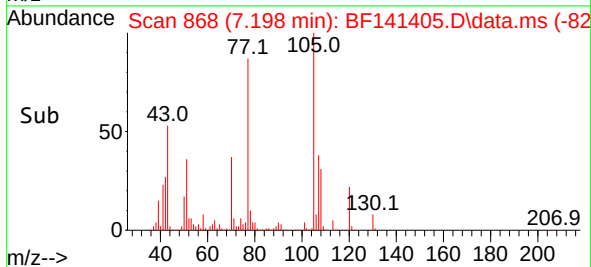
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

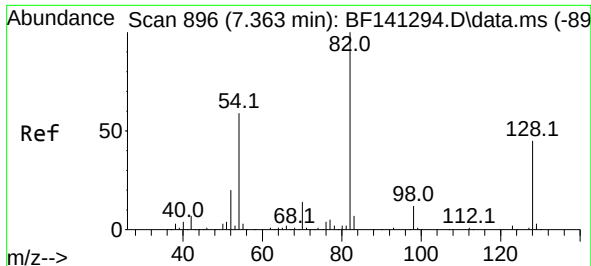


#22
Acetophenone
Concen: 47.941 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:105 Resp: 403906
Ion Ratio Lower Upper
105 100
71 6.3 6.8 10.2#
51 38.6 32.6 49.0
120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.695 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

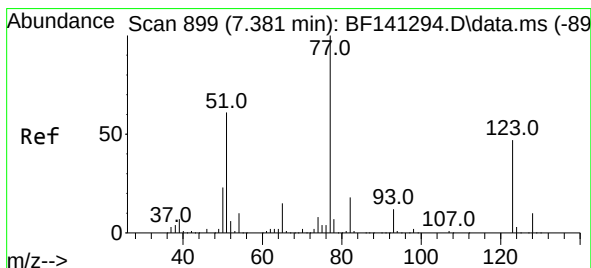
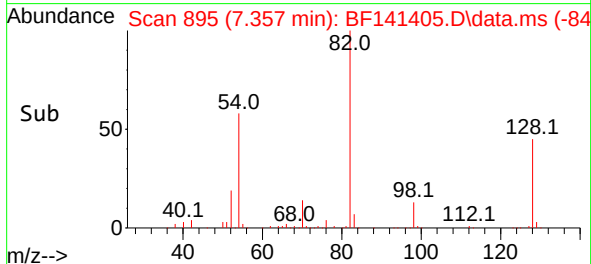
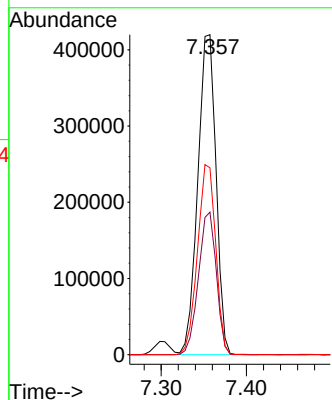
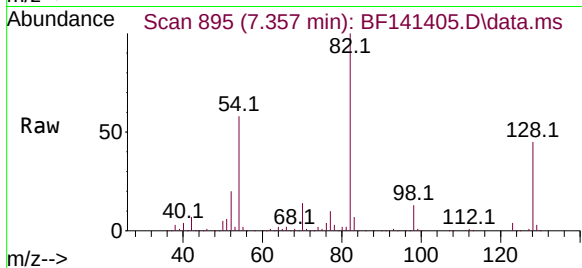
PB166360BS

Tgt Ion: 82 Resp: 62324

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.4	47.1	70.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#24

Nitrobenzene

Concen: 40.220 ng

RT: 7.375 min Scan# 898

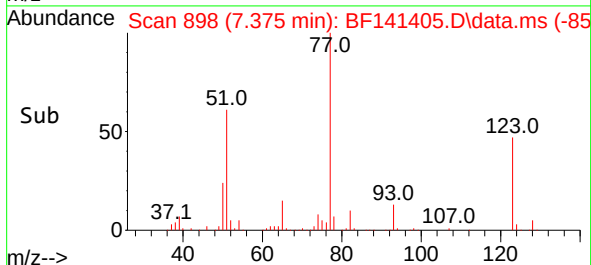
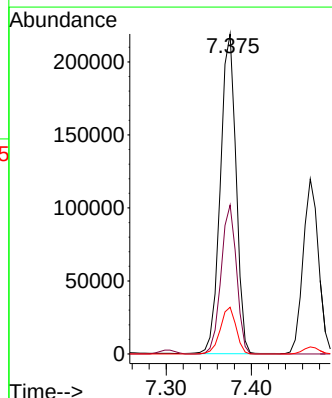
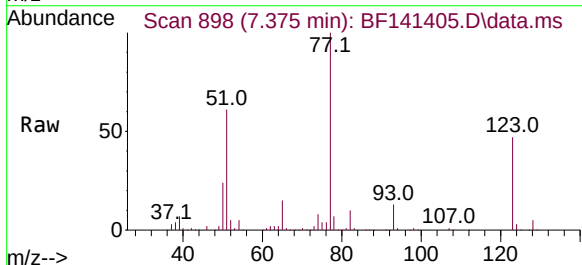
Delta R.T. -0.018 min

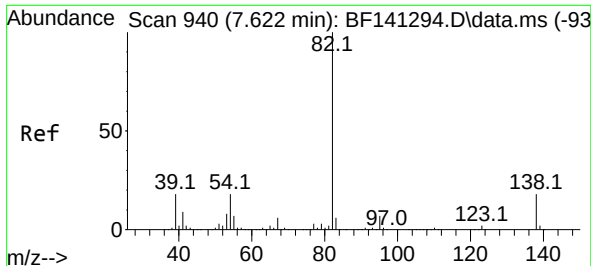
Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion: 77 Resp: 280239

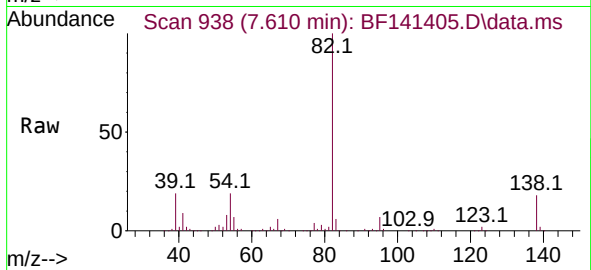
Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.6	11.8	17.6





#25
Isophorone
Concen: 42.717 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

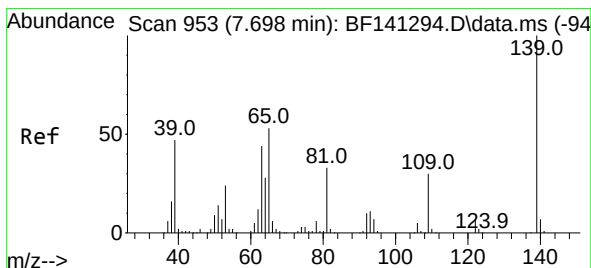
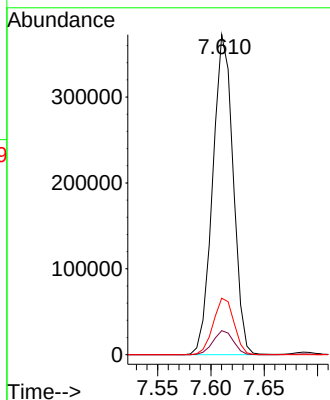
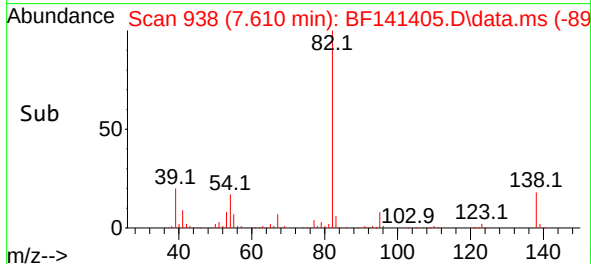
Instrument :
BNA_F
ClientSampleId :
PB166360BS



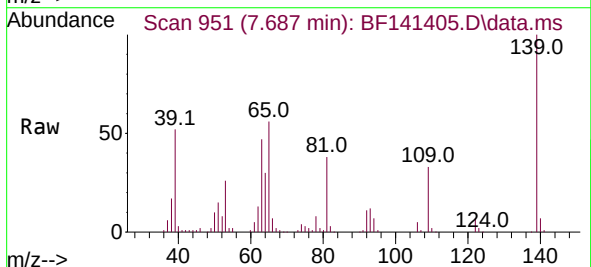
Tgt Ion: 82 Resp: 496470
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
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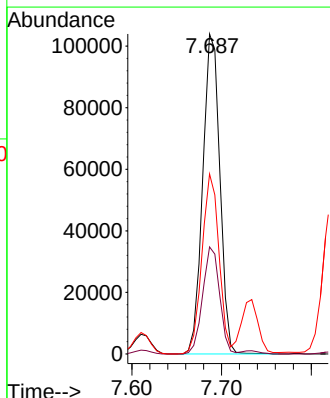
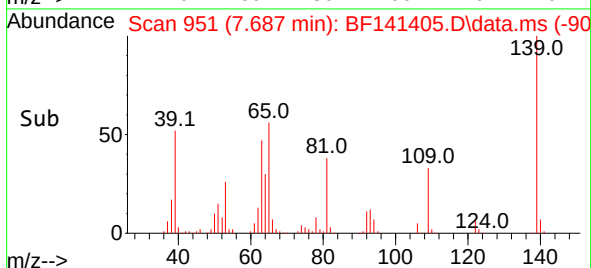
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

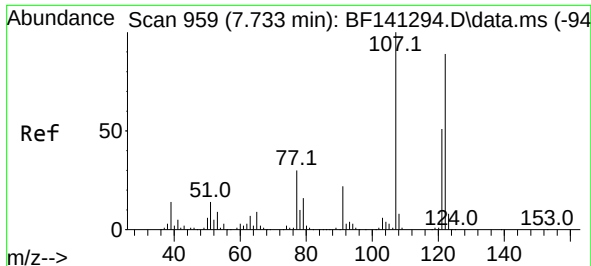


#26
2-Nitrophenol
Concen: 41.920 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:139 Resp: 137753
Ion Ratio Lower Upper
139 100
109 33.5 23.8 35.6
65 56.3 42.2 63.4





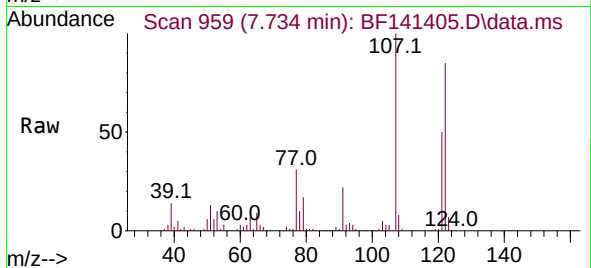
#27
2,4-Dimethylphenol
Concen: 52.180 ng m
RT: 7.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

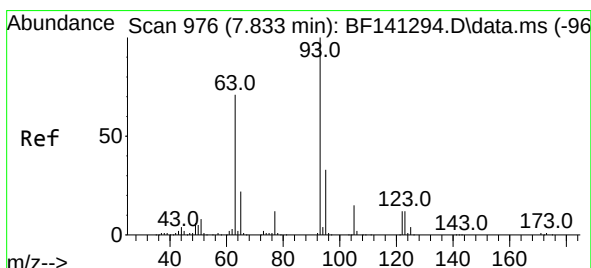
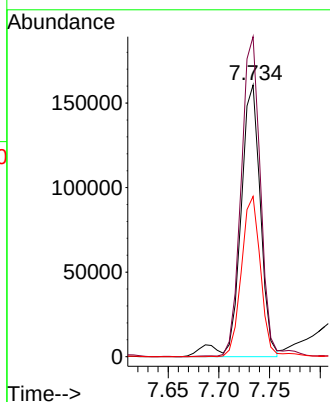
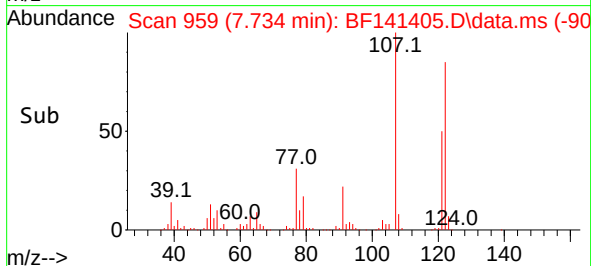
PB166360BS



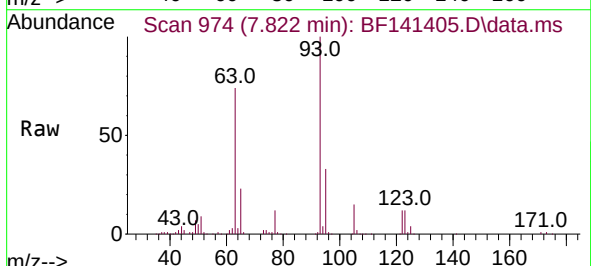
Tgt Ion:122 Resp: 218249
Ion Ratio Lower Upper
122 100
107 117.8 89.9 134.9
121 59.0 46.1 69.1

Manual Integrations
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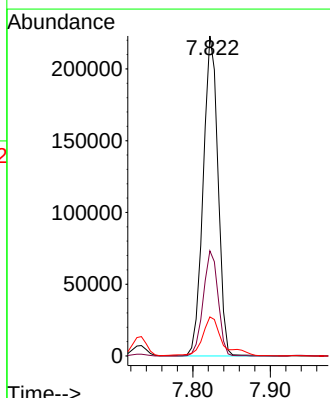
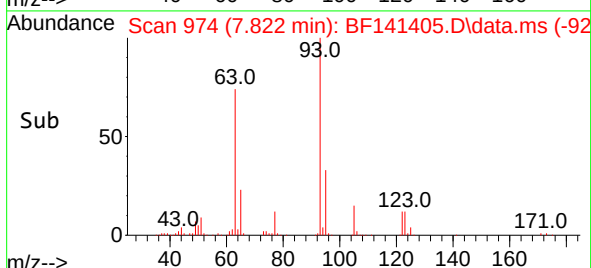
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

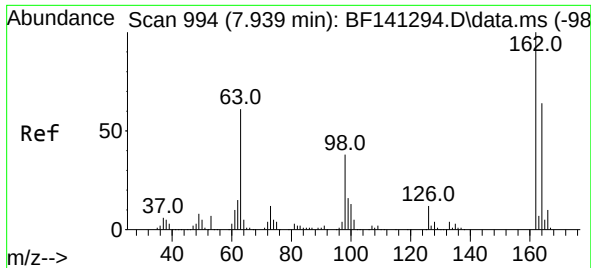


#28
bis(2-Chloroethoxy)methane
Concen: 39.933 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion: 93 Resp: 296047
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.2
123 12.2 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 42.800 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141405.D

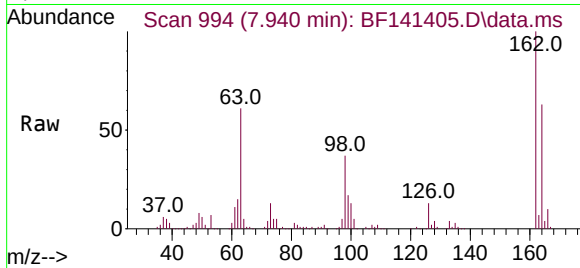
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



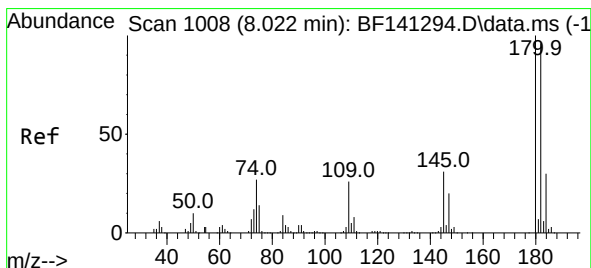
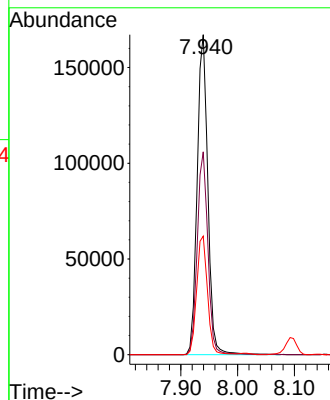
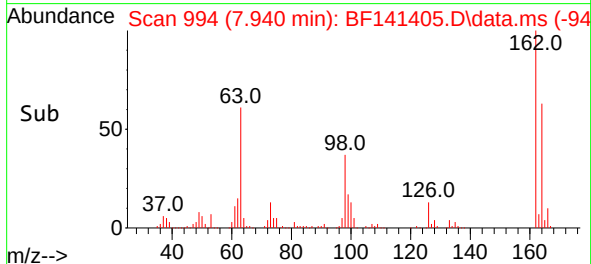
Tgt Ion:162	Resp:	21915
Ion Ratio	Lower	Upper
162	100	
164	63.4	44.2 84.2
98	37.0	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#30

1,2,4-Trichlorobenzene

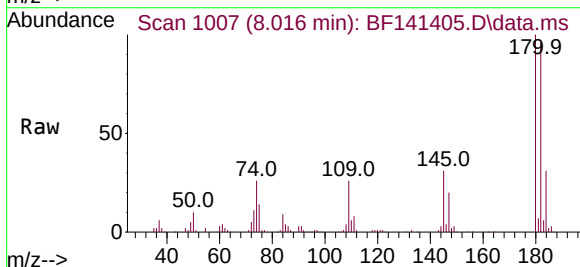
Concen: 40.218 ng

RT: 8.016 min Scan# 1007

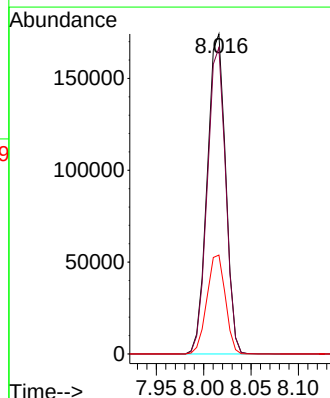
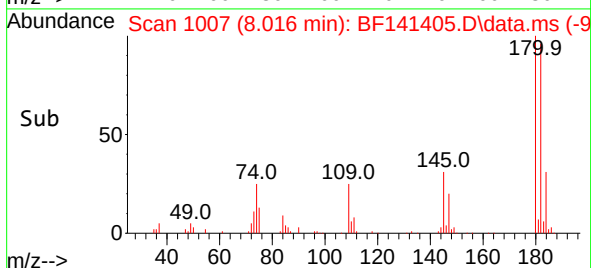
Delta R.T. -0.012 min

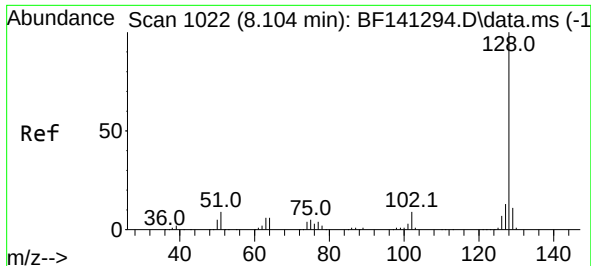
Lab File: BF141405.D

Acq: 04 Feb 2025 13:47



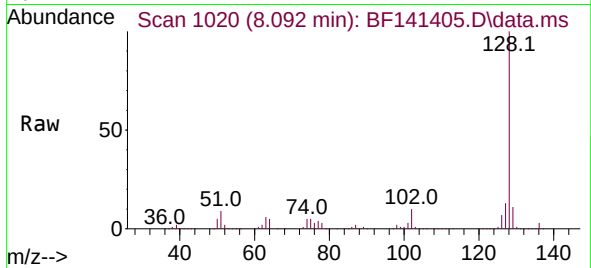
Tgt Ion:180	Resp:	235183
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.4 114.6
145	30.9	24.9 37.3





#31
Naphthalene
Concen: 40.619 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

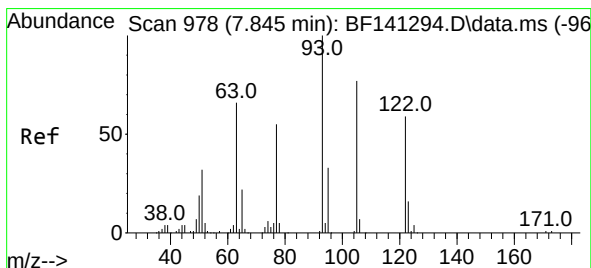
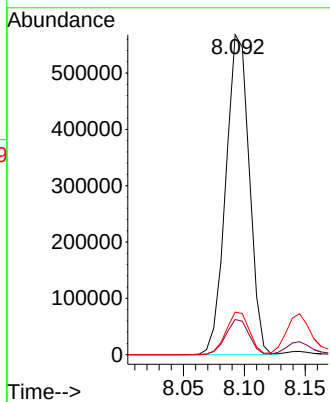
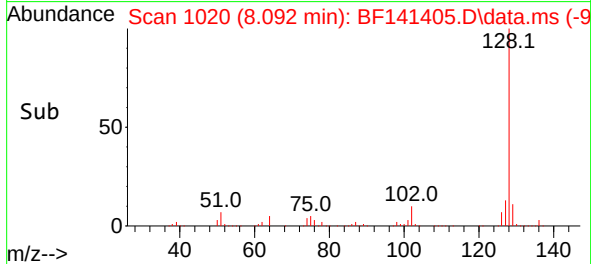
Instrument :
BNA_F
ClientSampleId :
PB166360BS



Tgt Ion:128 Resp: 760572
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.6 15.8

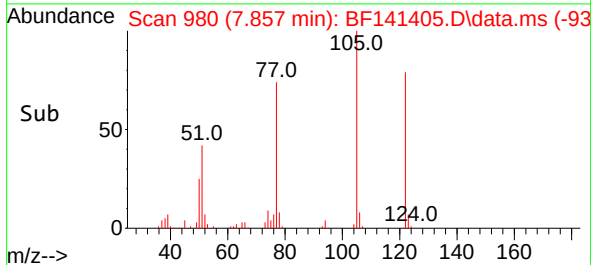
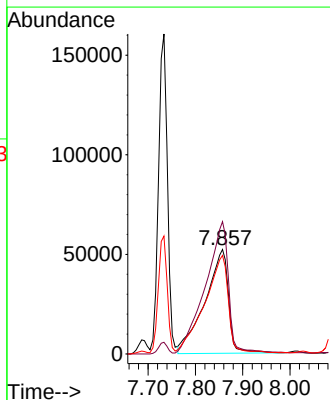
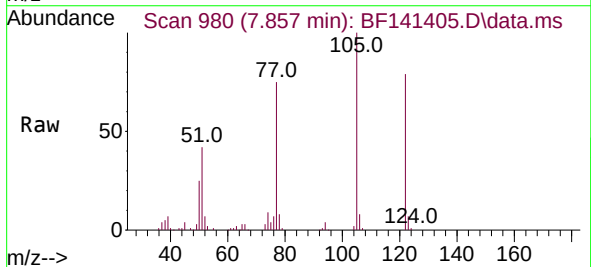
Manual Integrations
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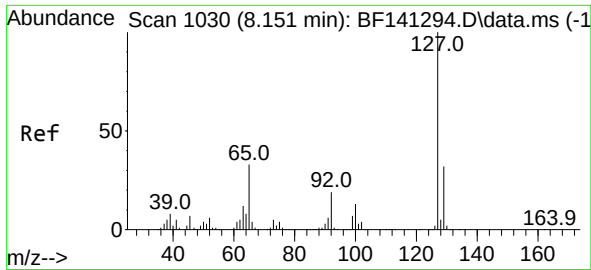
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#32
Benzoic acid
Concen: 46.816 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:122 Resp: 180009
Ion Ratio Lower Upper
122 100
105 126.6 103.4 143.4
77 94.3 70.9 110.9





#33
4-Chloroaniline
Concen: 18.209 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

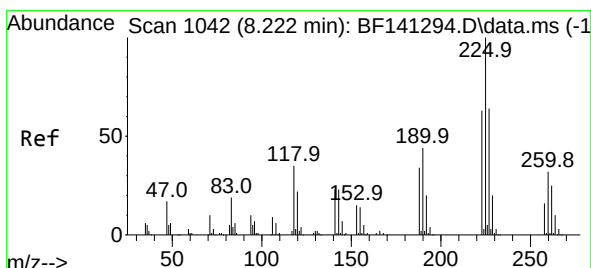
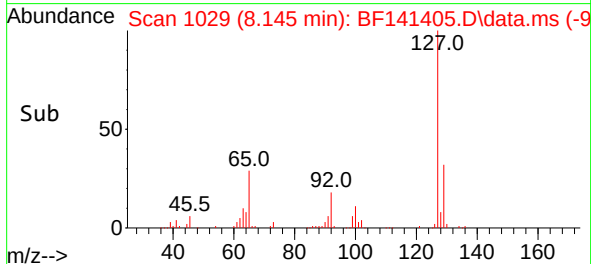
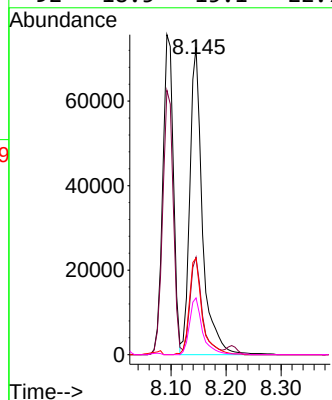
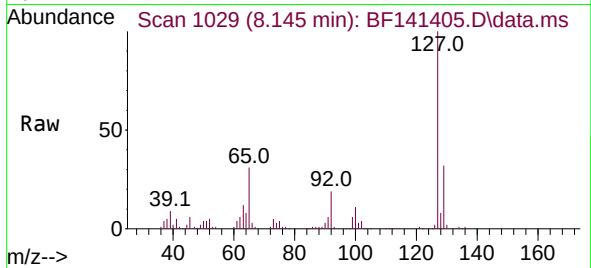
ClientSampleId :

PB166360BS

Tgt Ion:127 Resp: 115619
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 31.4 26.4 39.6
92 18.5 15.1 22.7

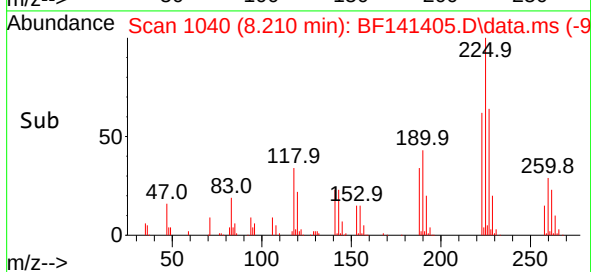
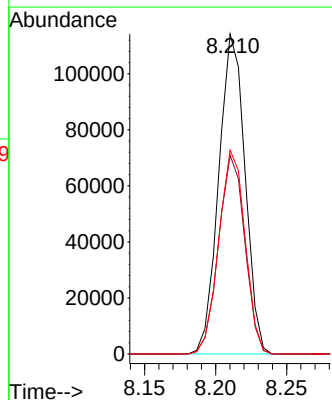
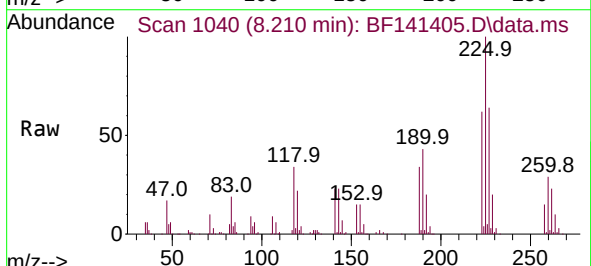
Manual Integrations
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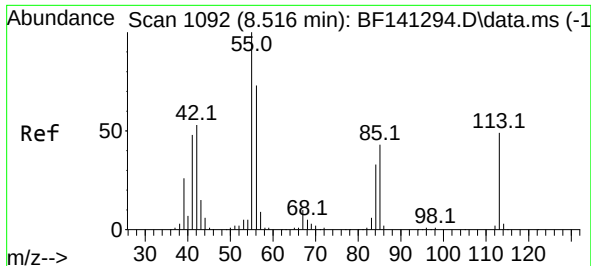
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#34
Hexachlorobutadiene
Concen: 42.813 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

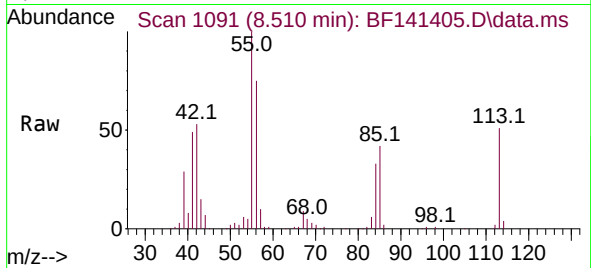
Tgt Ion:225 Resp: 146819
Ion Ratio Lower Upper
225 100
223 62.1 50.4 75.6
227 63.7 51.3 76.9





#35
Caprolactam
Concen: 45.783 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

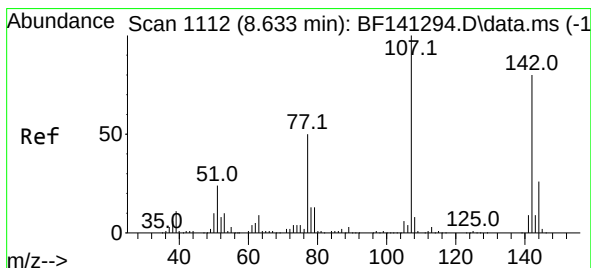
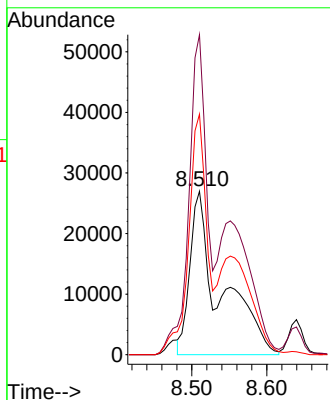
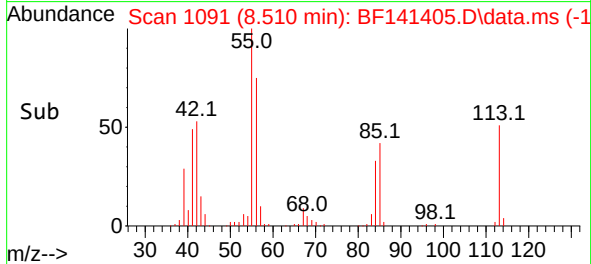
Instrument :
BNA_F
ClientSampleId :
PB166360BS



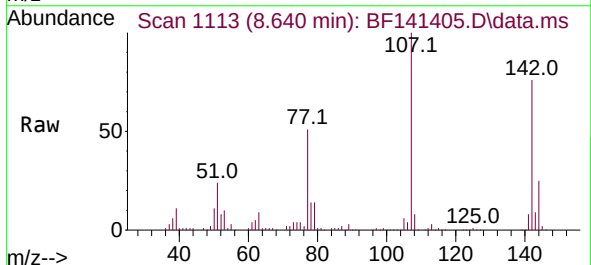
Tgt Ion:113 Resp: 76562
Ion Ratio Lower Upper
113 100
55 195.8 182.9 222.9
56 147.2 127.9 167.9

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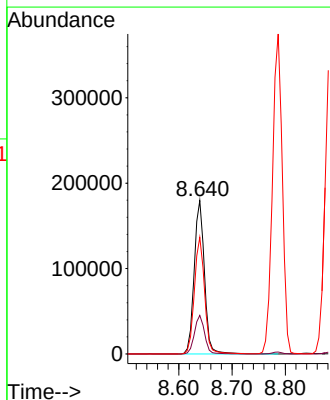
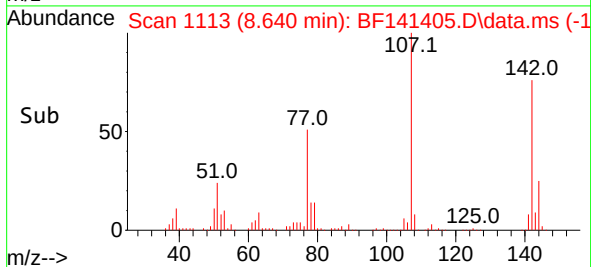
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

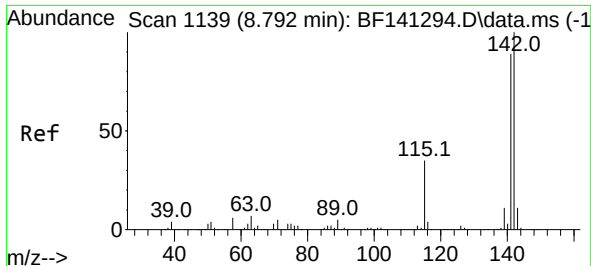


#36
4-Chloro-3-methylphenol
Concen: 43.764 ng
RT: 8.640 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:107 Resp: 240374
Ion Ratio Lower Upper
107 100
144 25.1 20.7 31.1
142 76.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 40.476 ng

RT: 8.787 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141405.D

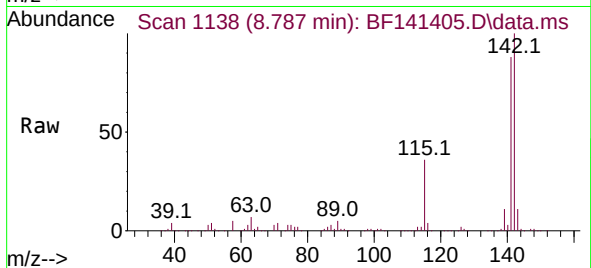
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:142 Resp: 481699

Ion Ratio Lower Upper

142 100

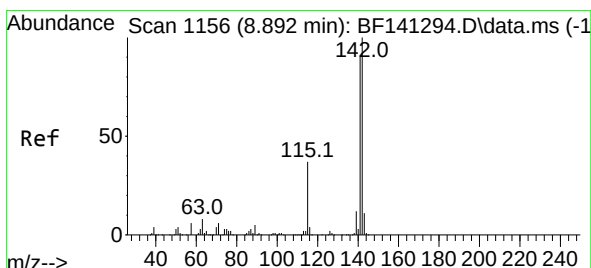
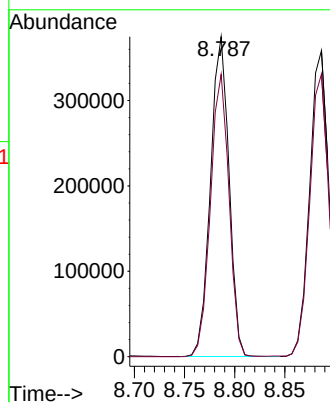
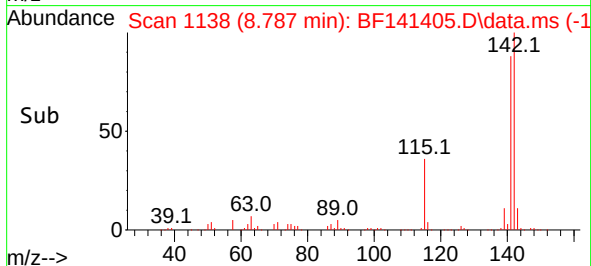
141 88.2 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#38

1-Methylnaphthalene

Concen: 39.925 ng

RT: 8.887 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141405.D

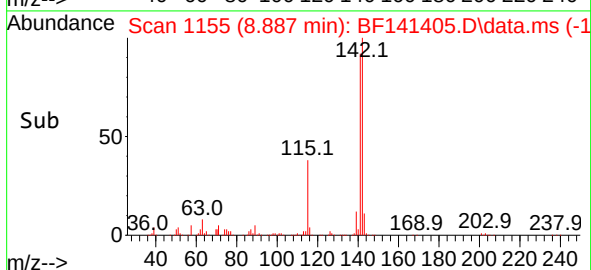
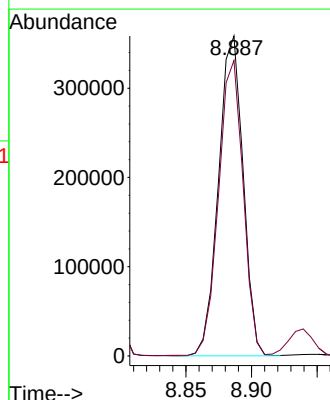
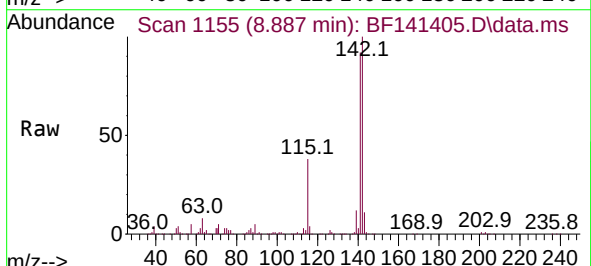
Acq: 04 Feb 2025 13:47

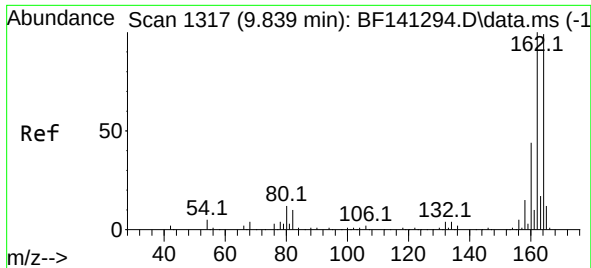
Tgt Ion:142 Resp: 466741

Ion Ratio Lower Upper

142 100

141 92.3 73.2 109.8





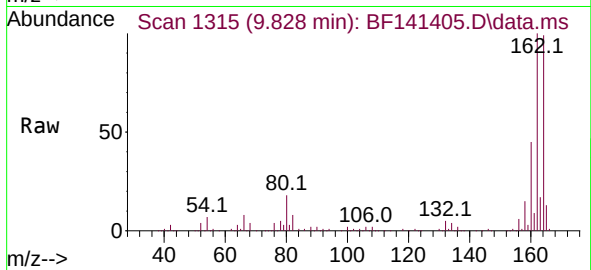
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

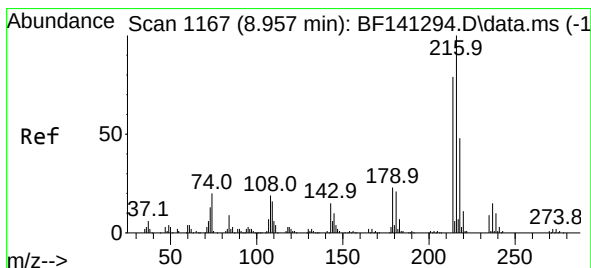
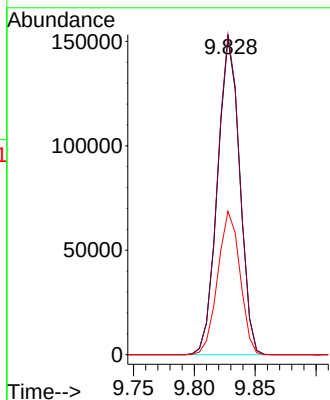
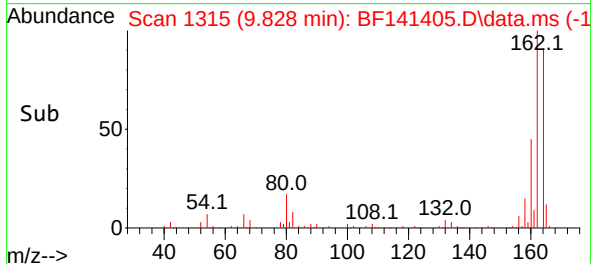
PB166360BS



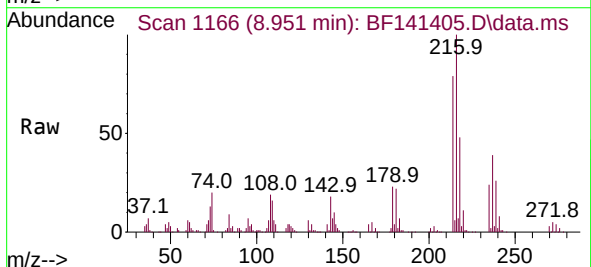
Tgt Ion:164 Resp: 192238
Ion Ratio Lower Upper
164 100
162 101.2 80.6 121.0
160 45.3 35.8 53.6

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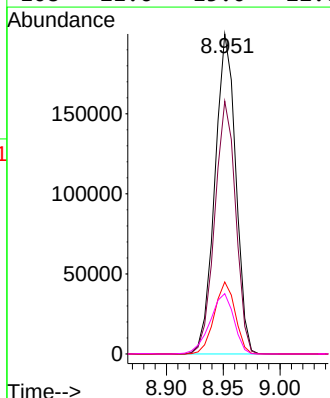
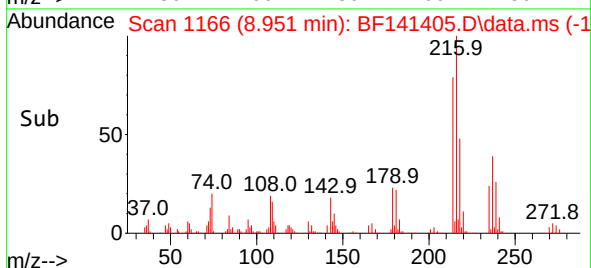
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

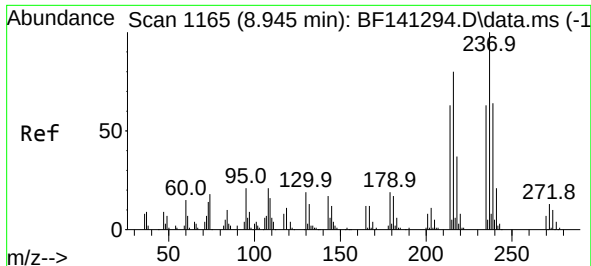


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.830 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



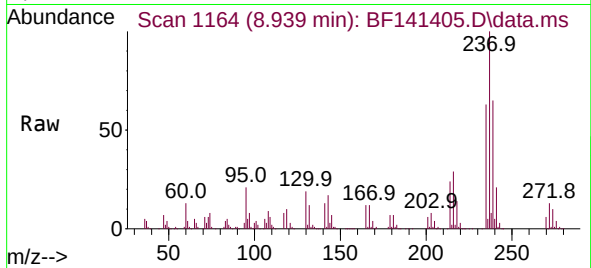
Tgt Ion:216 Resp: 256112
Ion Ratio Lower Upper
216 100
214 79.0 63.2 94.8
179 22.4 17.8 26.8
108 21.6 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 188.383 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

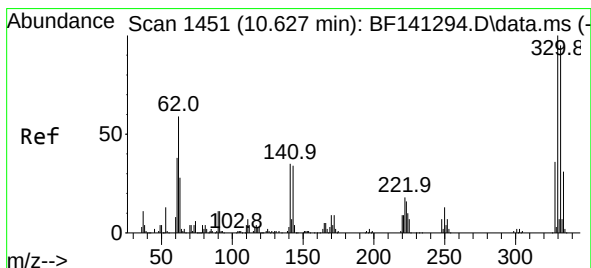
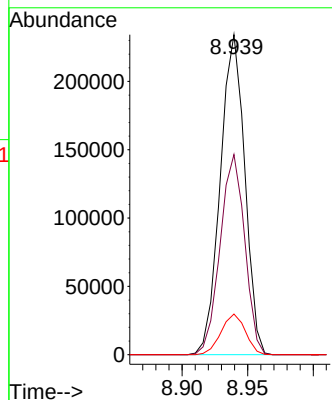
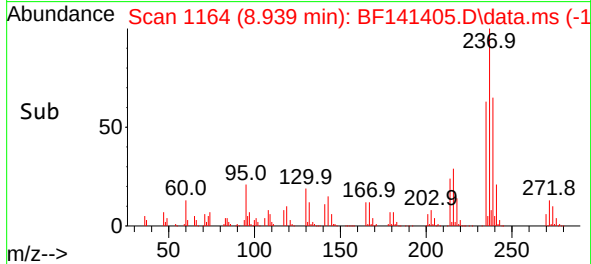
Instrument :
BNA_F
ClientSampleId :
PB166360BS



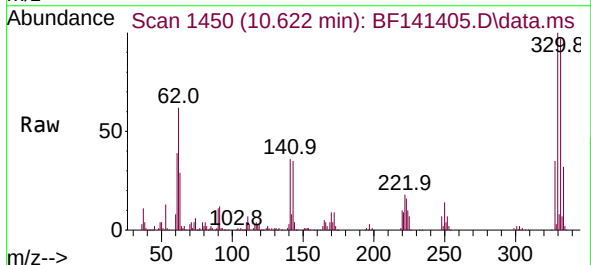
Tgt Ion: 237 Resp: 30426
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.7 0.0 32.8

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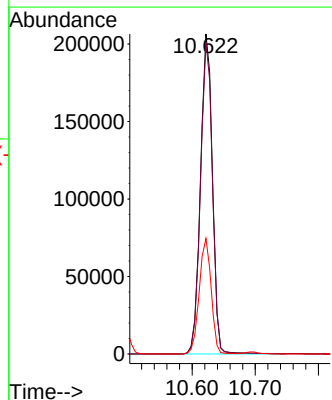
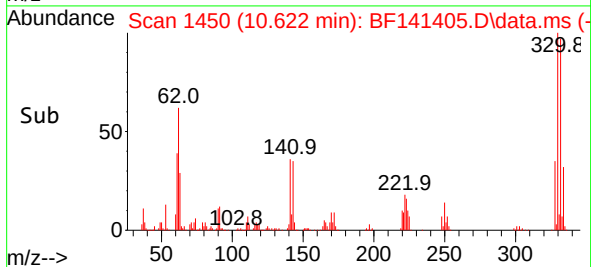
Reviewed By : Yogesh Patel 02/05/2025
Supervised By : mohammad ahmed 02/05/2025

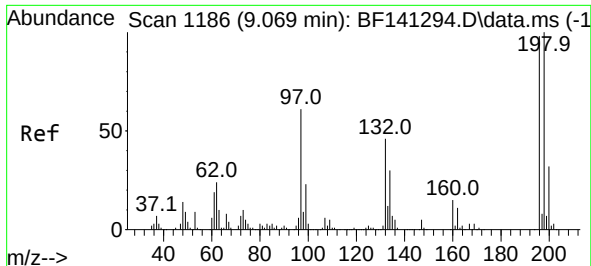


#42
2,4,6-Tribromophenol
Concen: 153.949 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion: 330 Resp: 271316
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 35.9 28.8 43.2





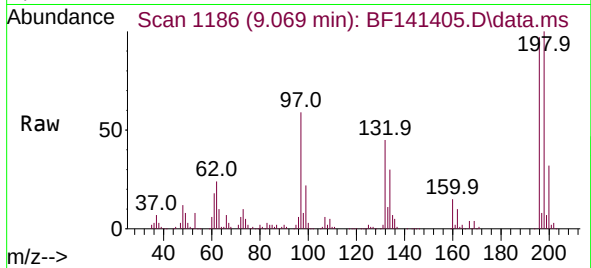
#43
2,4,6-Trichlorophenol
Concen: 44.001 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



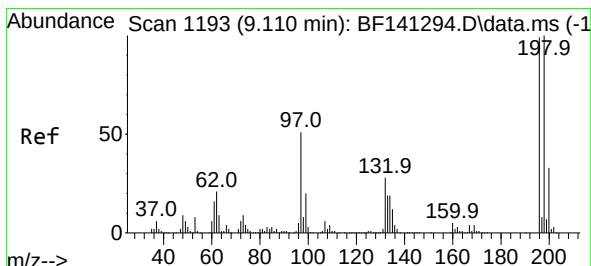
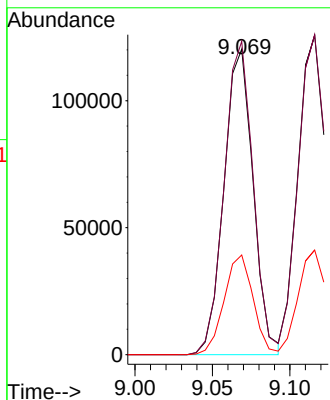
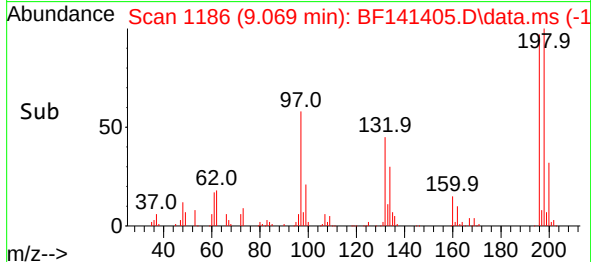
Tgt Ion:196 Resp: 157500
Ion Ratio Lower Upper
196 100
198 102.6 81.8 122.6
200 32.6 26.3 39.5

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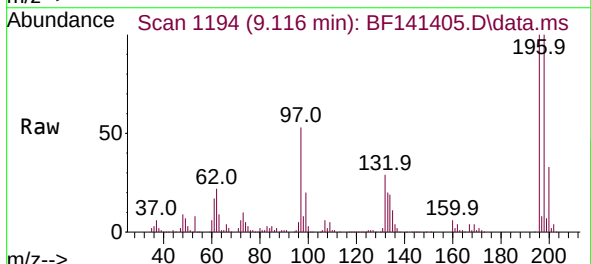
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

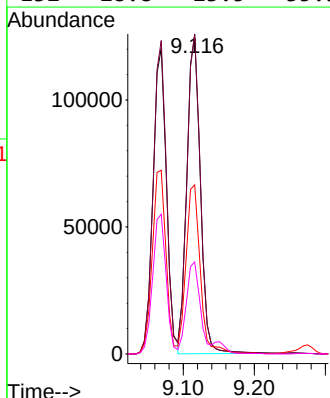
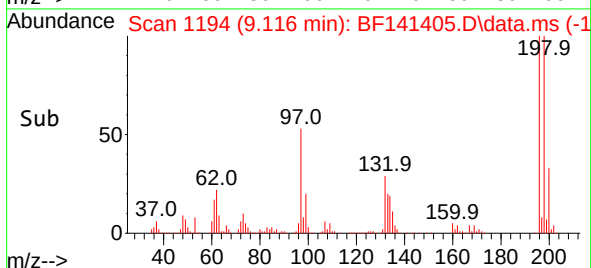
Supervised By :mohammad ahmed 02/05/2025

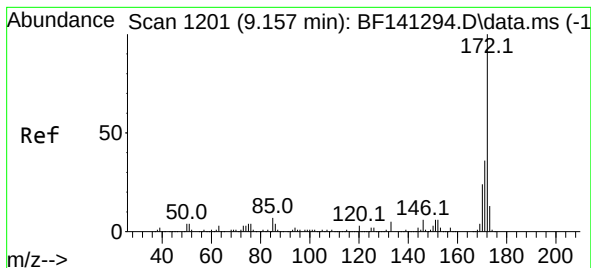


#44
2,4,5-Trichlorophenol
Concen: 42.677 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



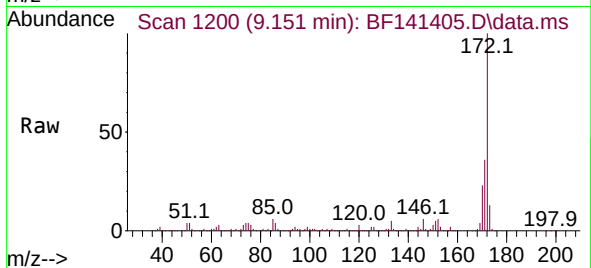
Tgt Ion:196 Resp: 166270
Ion Ratio Lower Upper
196 100
198 100.2 80.5 120.7
97 53.0 42.8 64.2
132 28.8 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 94.785 ng
RT: 9.151 min Scan# 118382
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

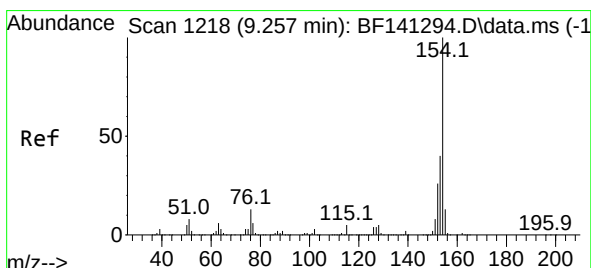
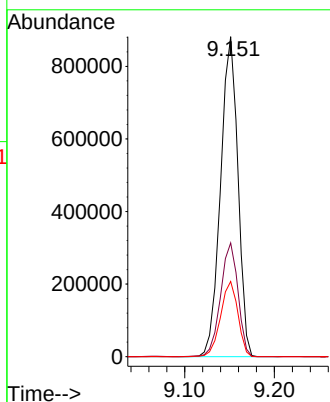
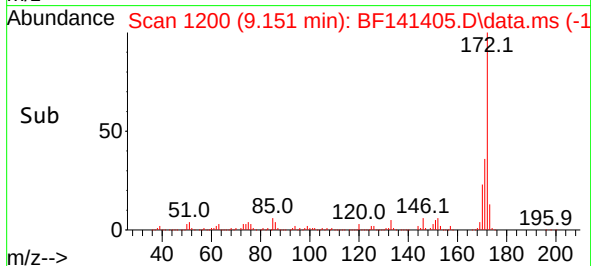
Instrument :
BNA_F
ClientSampleId :
PB166360BS



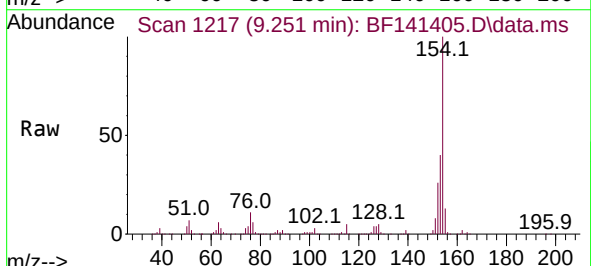
Tgt Ion:172 Resp: 118382
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6

Manual Integrations
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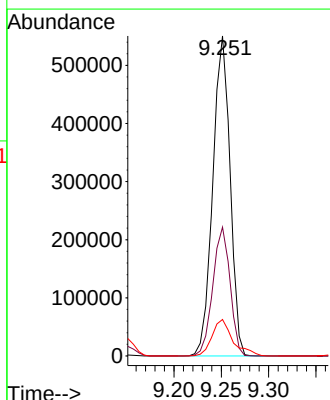
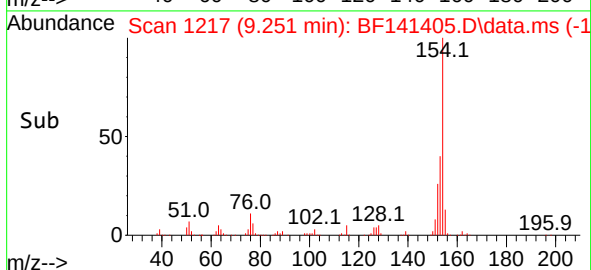
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

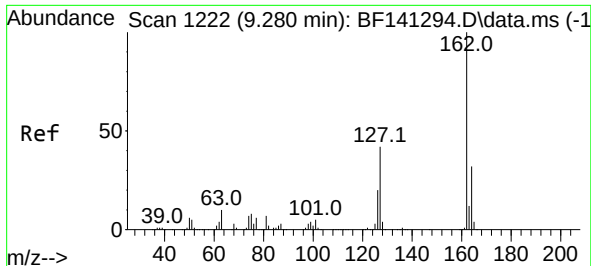


#46
1,1'-Biphenyl
Concen: 46.526 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:154 Resp: 697536
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.612 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

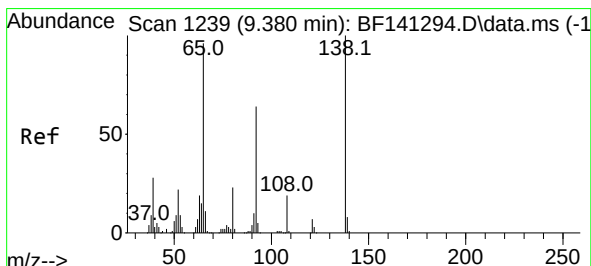
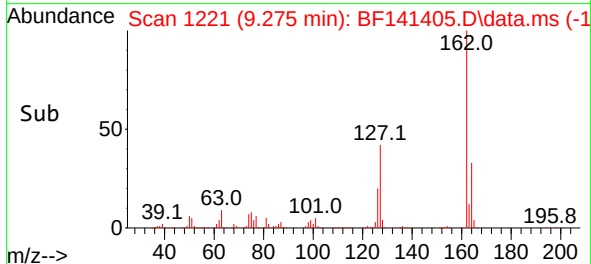
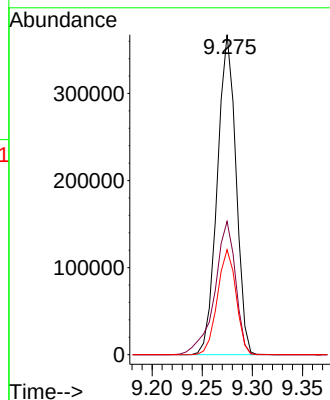
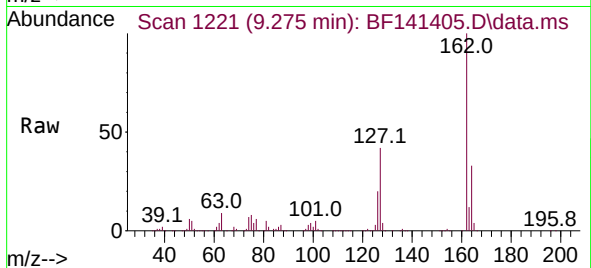
ClientSampleId :

PB166360BS

Tgt Ion:162 Resp: 47457
 Ion Ratio Lower Upper
 162 100
 127 41.7 33.7 50.5
 164 32.8 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#48

2-Nitroaniline

Concen: 43.758 ng

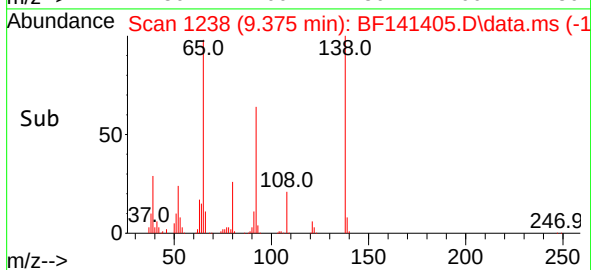
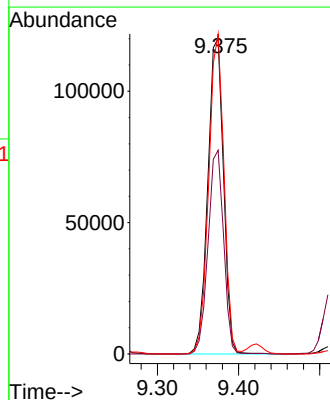
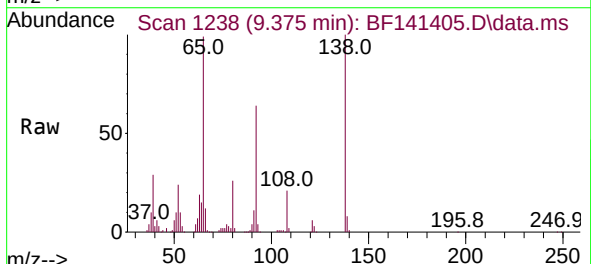
RT: 9.375 min Scan# 1238

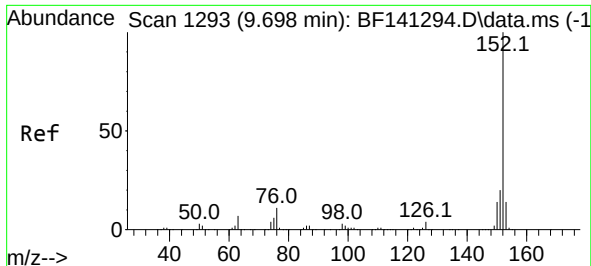
Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion: 65 Resp: 160837
 Ion Ratio Lower Upper
 65 100
 92 64.6 53.3 79.9
 138 101.4 83.6 125.4





#49

Acenaphthylene

Concen: 45.402 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141405.D

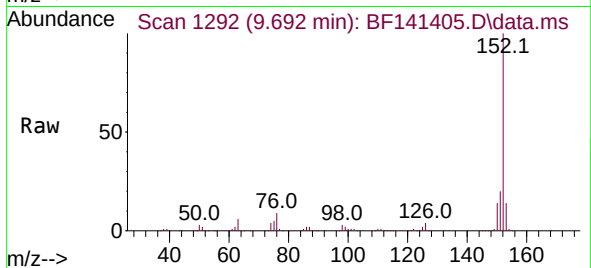
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:152 Resp: 742670

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

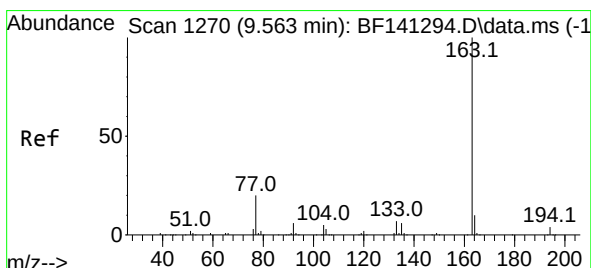
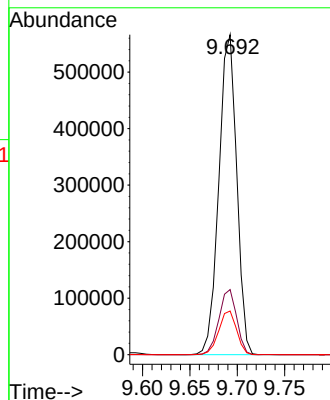
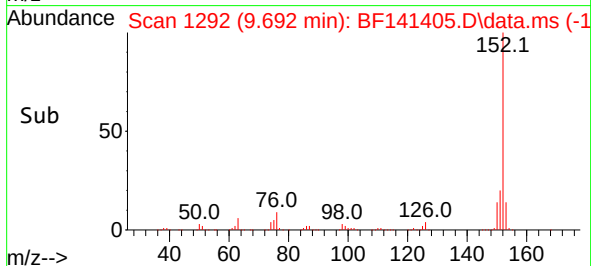
153 13.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#50

Dimethylphthalate

Concen: 43.058 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

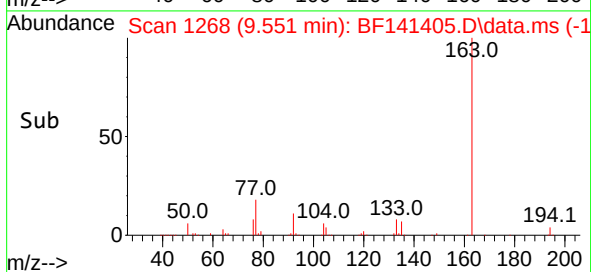
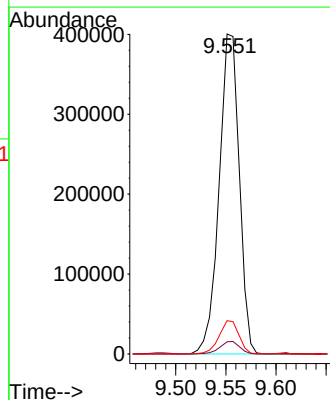
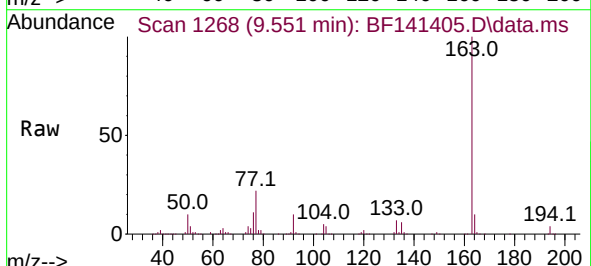
Tgt Ion:163 Resp: 559047

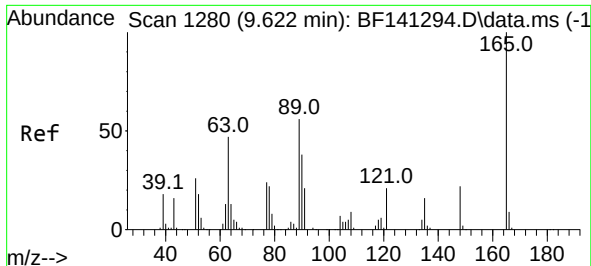
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.4 8.0 12.0





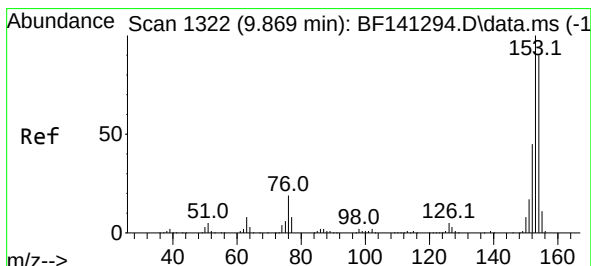
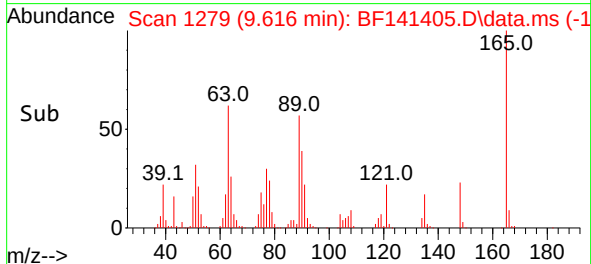
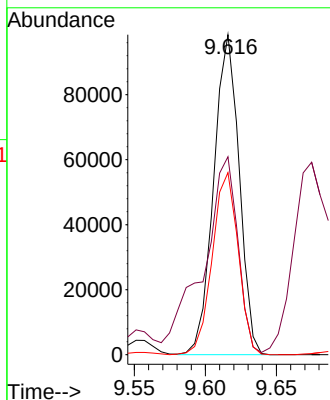
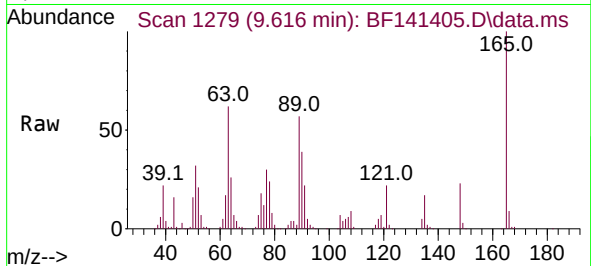
#51
2,6-Dinitrotoluene
Concen: 40.738 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
Client SampleId :
PB166360BS

Tgt Ion:165 Resp: 12281
Ion Ratio Lower Upper
165 100
63 61.9 48.1 72.1
89 56.9 44.9 67.3

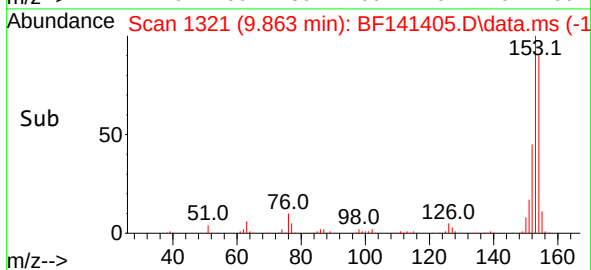
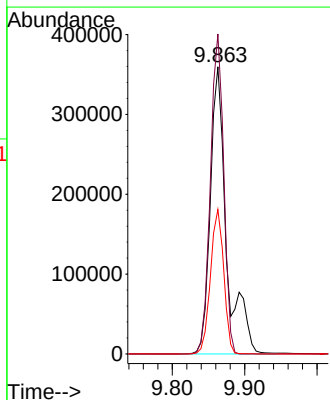
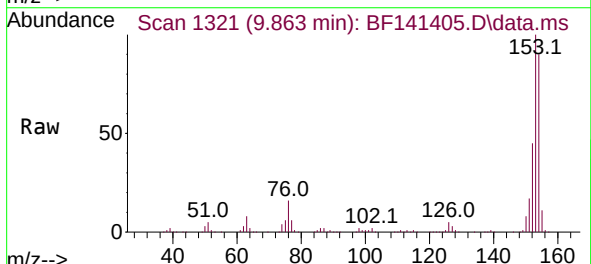
Manual Integrations
APPROVED

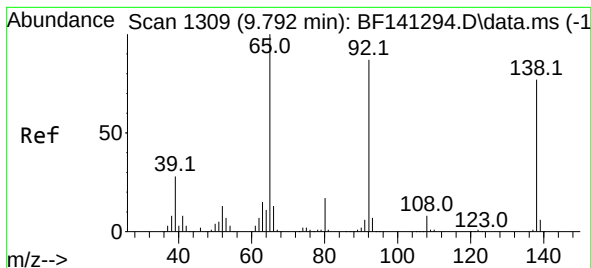
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#52
Acenaphthene
Concen: 48.096 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

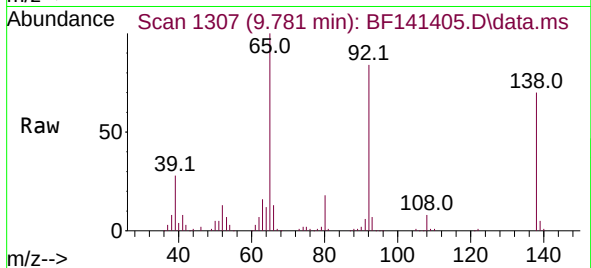
Tgt Ion:154 Resp: 562051
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.4
152 50.3 40.2 60.4





#53
3-Nitroaniline
Concen: 23.152 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

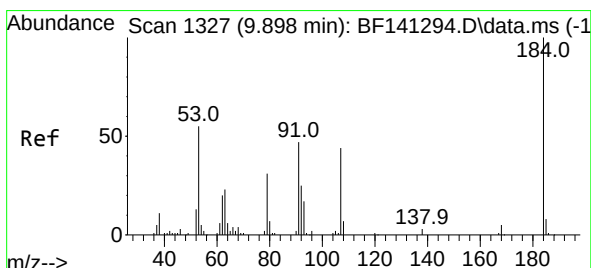
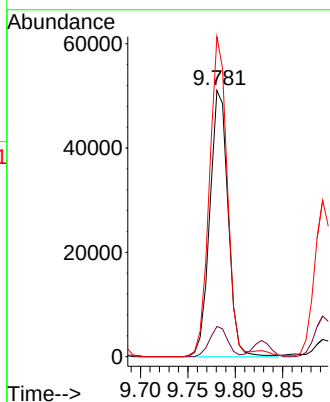
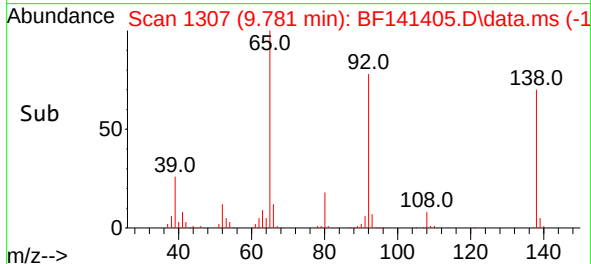
Instrument :
BNA_F
ClientSampleId :
PB166360BS



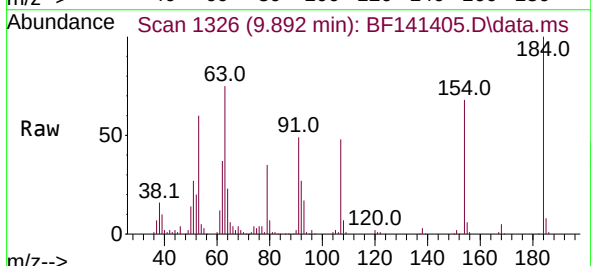
Tgt Ion:138 Resp: 6840
Ion Ratio Lower Upper
138 100
108 11.4 8.6 12.8
92 120.2 91.0 136.6

Manual Integrations
APPROVED

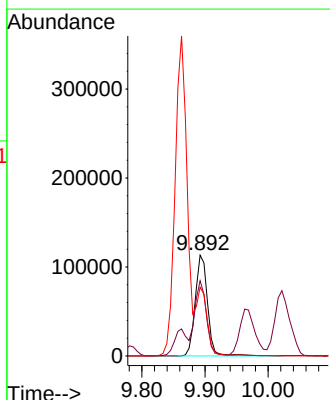
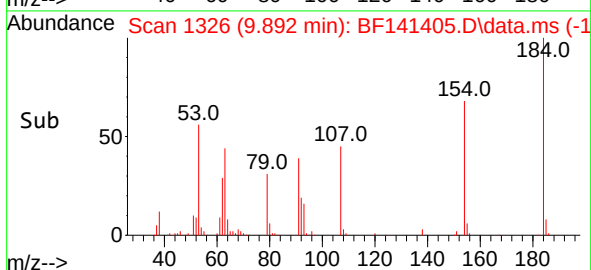
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

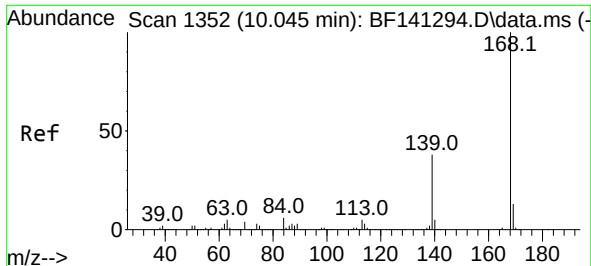


#54
2,4-Dinitrophenol
Concen: 110.036 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



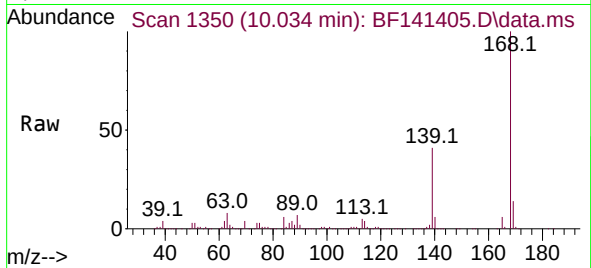
Tgt Ion:184 Resp: 154202
Ion Ratio Lower Upper
184 100
63 74.7 54.1 81.1
154 68.3 50.7 76.1





#55
Dibenzenofuran
Concen: 42.889 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

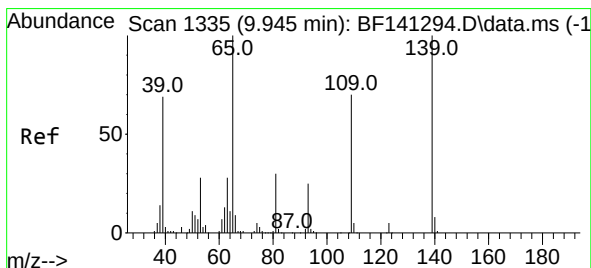
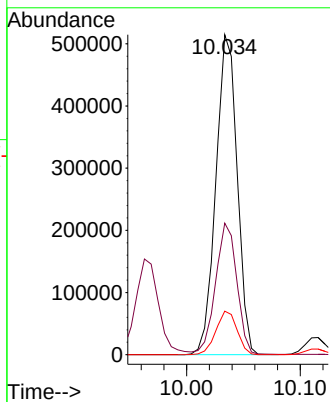
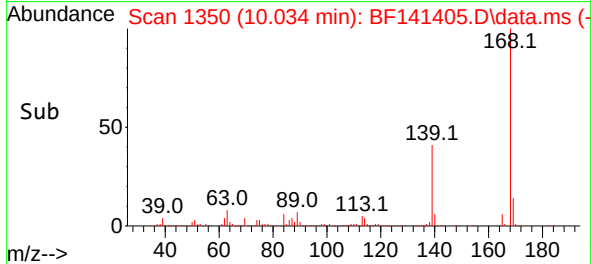
Instrument :
BNA_F
ClientSampleId :
PB166360BS



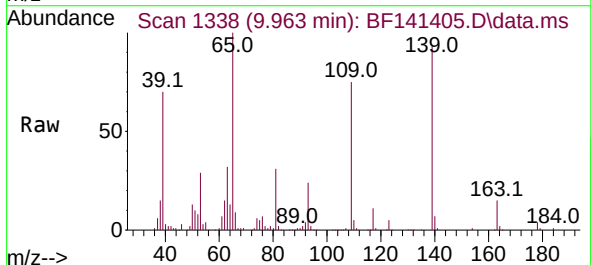
Tgt Ion:168 Resp: 670888
Ion Ratio Lower Upper
168 100
139 41.1 30.6 46.0
169 13.6 10.8 16.2

Manual Integrations
APPROVED

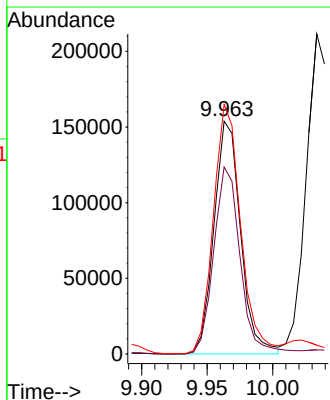
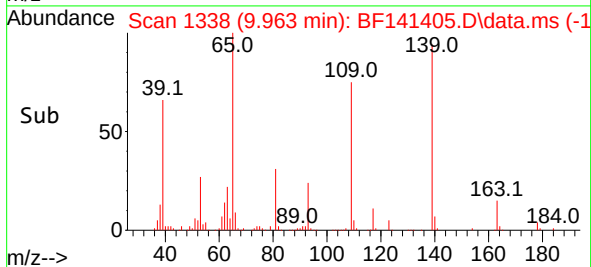
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

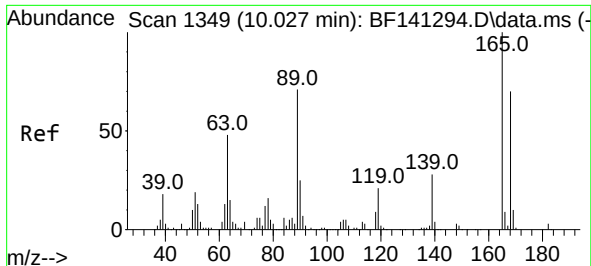


#56
4-Nitrophenol
Concen: 100.375 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



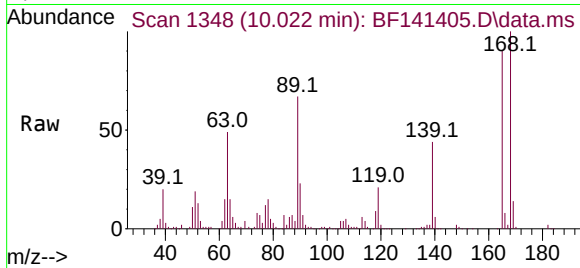
Tgt Ion:139 Resp: 216899
Ion Ratio Lower Upper
139 100
109 80.3 50.2 90.2
65 107.2 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 44.078 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

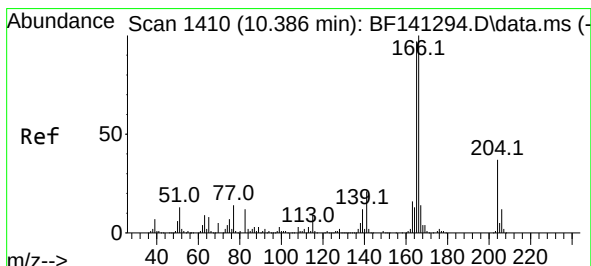
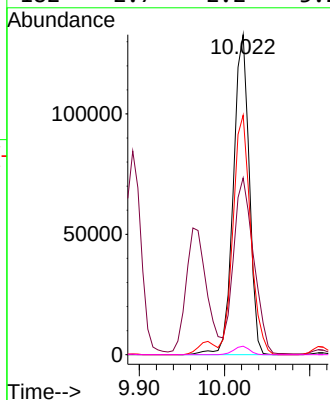
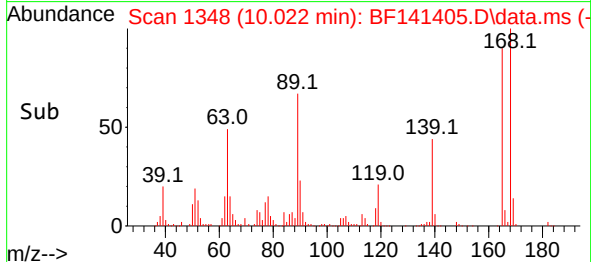
Instrument :
BNA_F
ClientSampleId :
PB166360BS



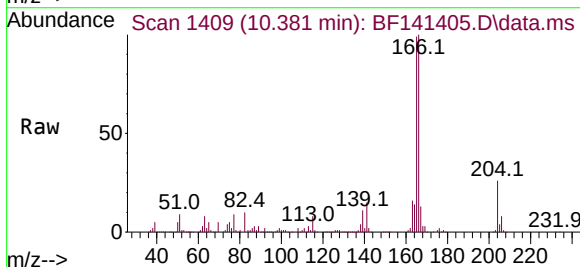
Tgt Ion:165 Resp: 17204
Ion Ratio Lower Upper
165 100
63 55.2 39.2 58.8
89 74.8 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

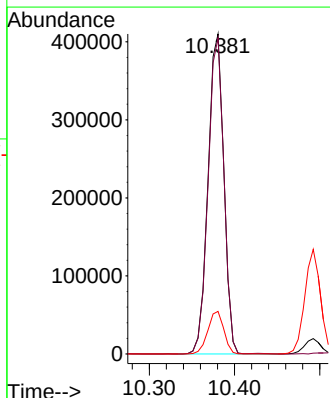
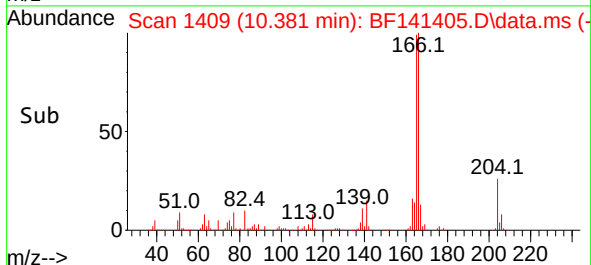
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

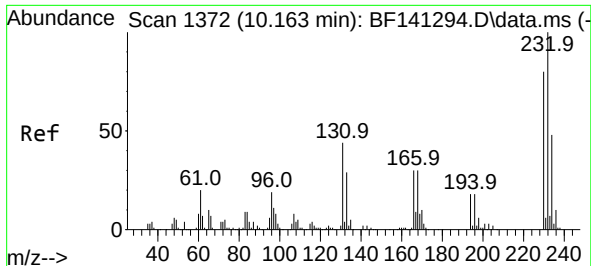


#58
Fluorene
Concen: 43.624 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



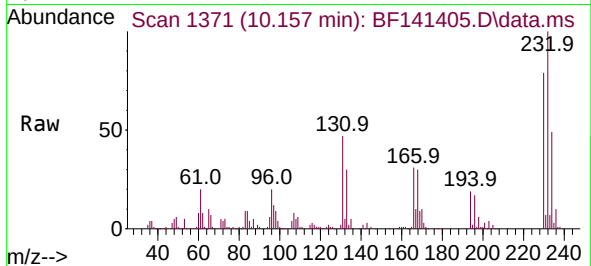
Tgt Ion:166 Resp: 529308
Ion Ratio Lower Upper
166 100
165 98.7 77.5 116.3
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.020 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

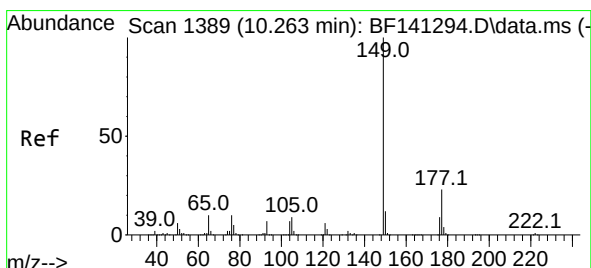
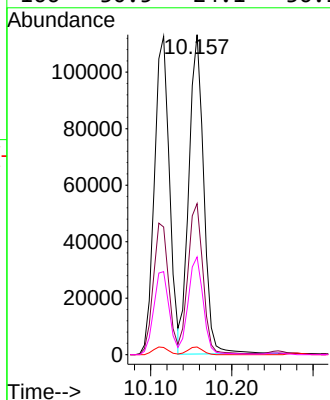
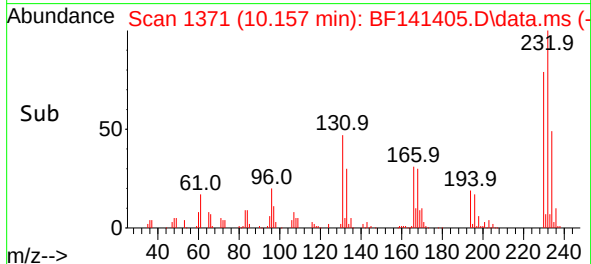
Instrument :
BNA_F
ClientSampleId :
PB166360BS



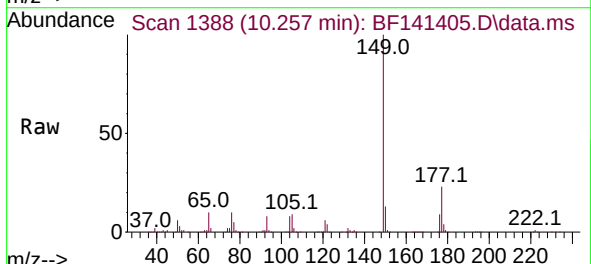
Tgt Ion:232 Resp: 144118
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.4 1.9 2.9
166 30.5 24.1 36.1

Manual Integrations
APPROVED

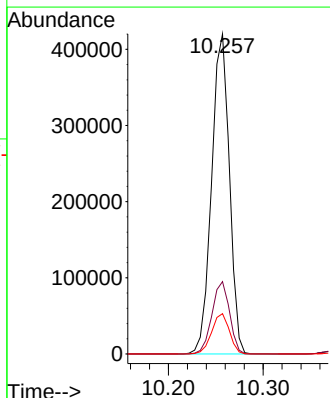
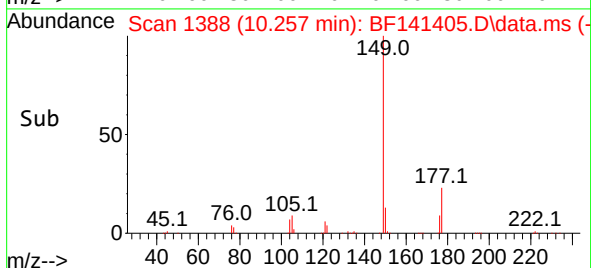
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

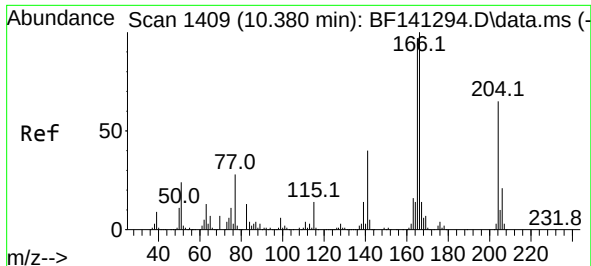


#60
Diethylphthalate
Concen: 43.426 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



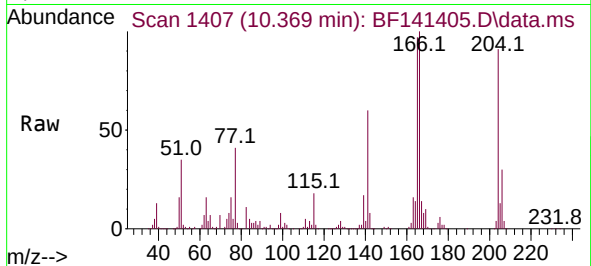
Tgt Ion:149 Resp: 546694
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.6 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 42.731 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

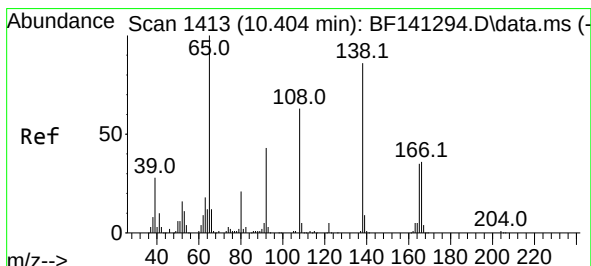
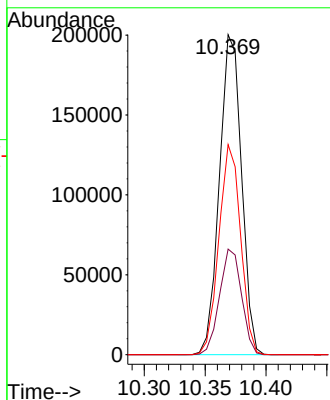
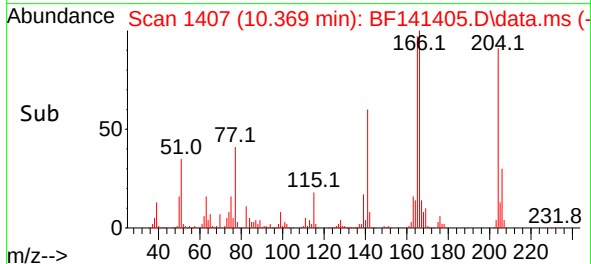
Instrument :
BNA_F
ClientSampleId :
PB166360BS



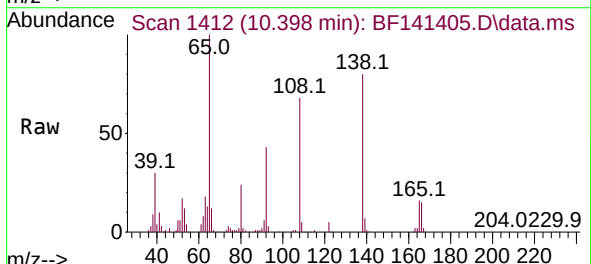
Tgt Ion:204 Resp: 25326
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 65.7 49.5 74.3

Manual Integrations
APPROVED

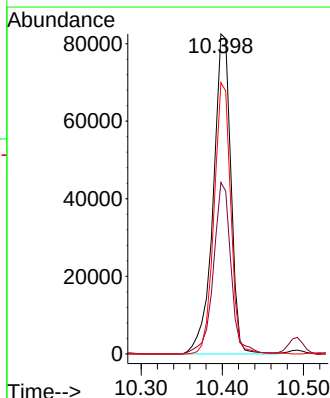
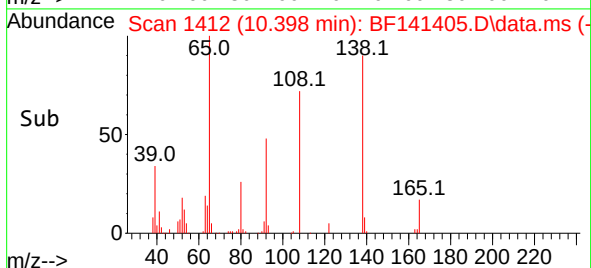
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

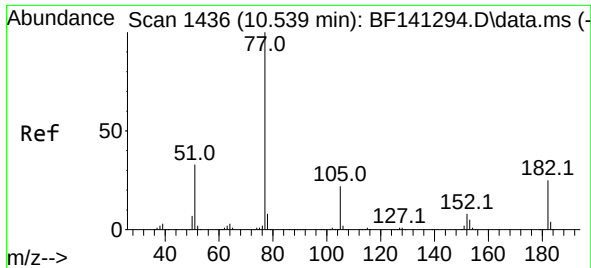


#62
4-Nitroaniline
Concen: 43.079 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:138 Resp: 125138
Ion Ratio Lower Upper
138 100
92 53.6 30.1 70.1
108 84.8 53.1 93.1





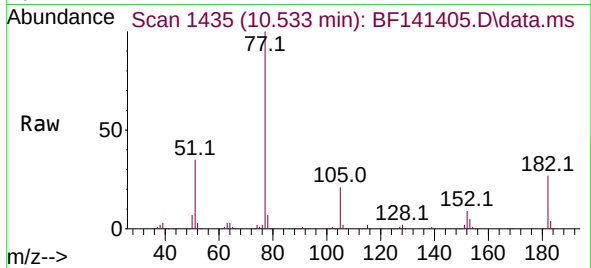
#63
Azobenzene
Concen: 42.436 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

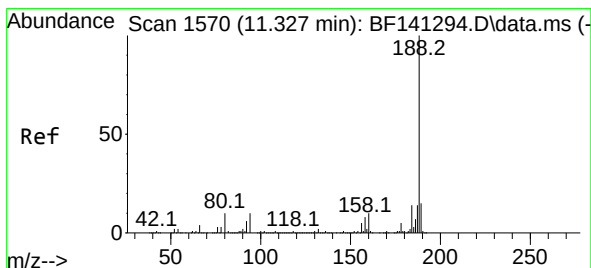
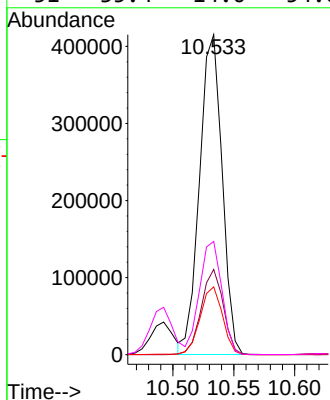
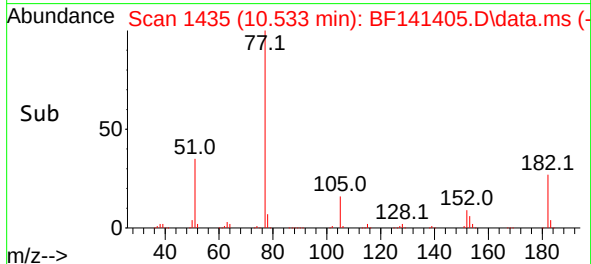
PB166360BS



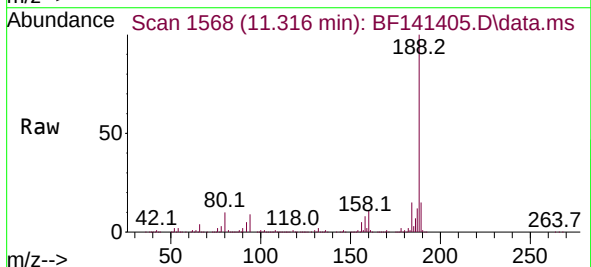
Tgt Ion: 77 Resp: 534762
Ion Ratio Lower Upper
77 100
182 26.7 5.1 45.1
105 21.2 1.8 41.8
51 35.4 14.0 54.0

Manual Integrations
APPROVED

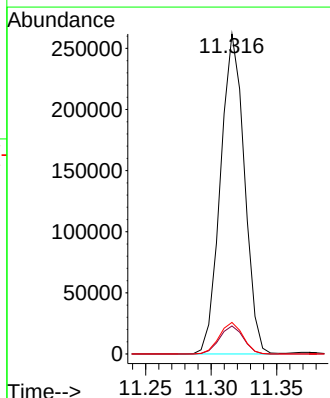
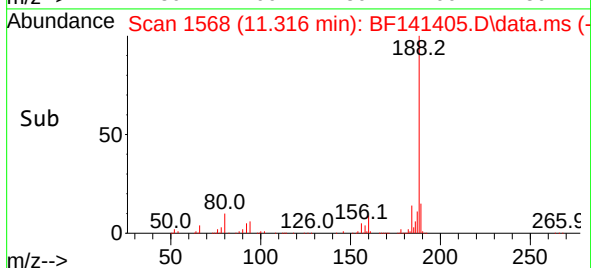
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

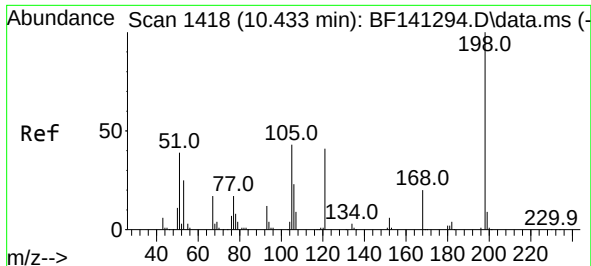


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:188 Resp: 331523
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.9 8.2 12.4





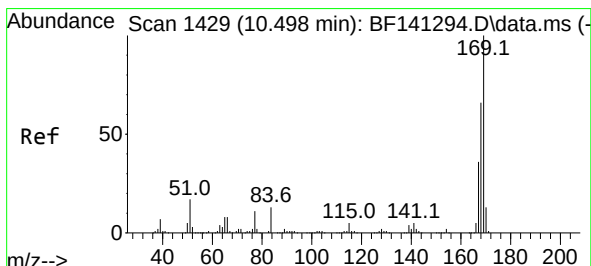
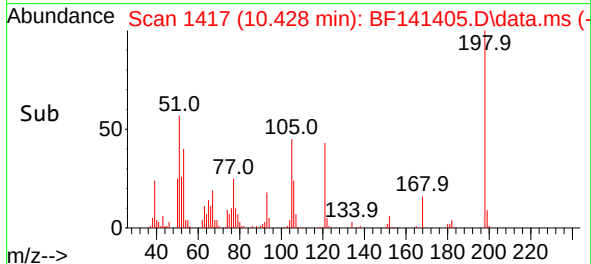
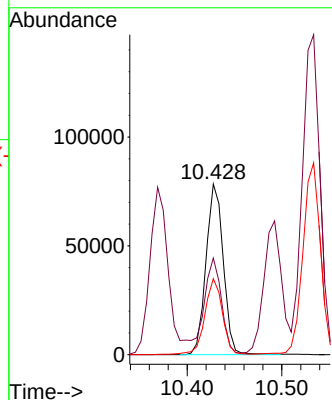
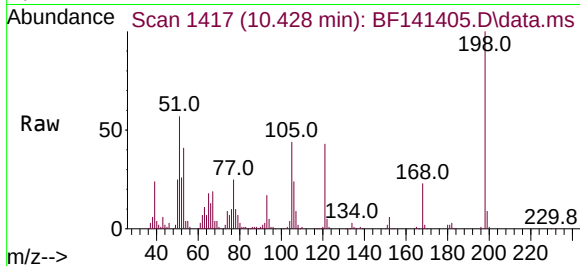
#65
4,6-Dinitro-2-methylphenol
Concen: 50.537 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:198 Resp: 9910
Ion Ratio Lower Upper
198 100
51 56.6 33.4 73.4
105 44.5 24.4 64.4

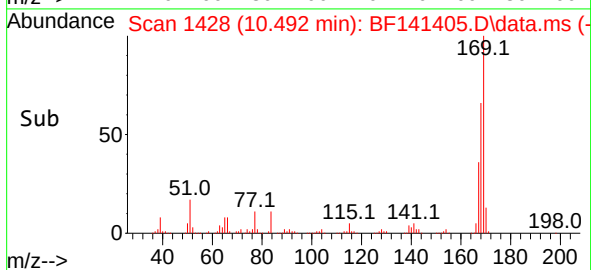
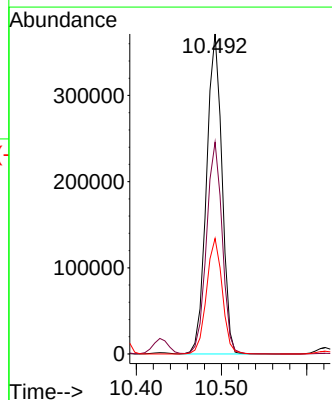
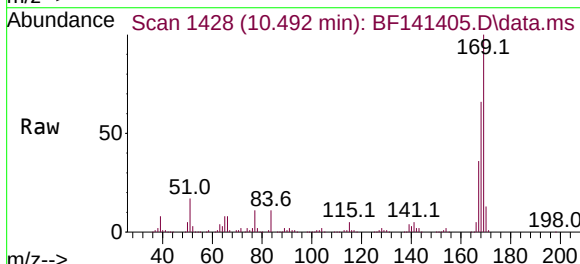
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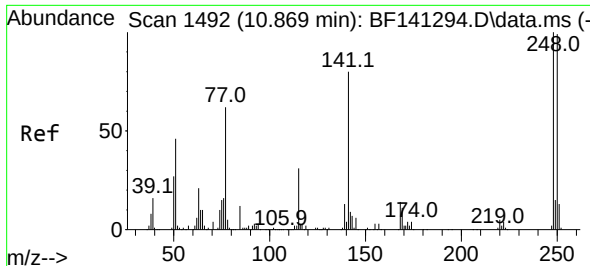
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#66
n-Nitrosodiphenylamine
Concen: 43.605 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:169 Resp: 467566
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.1 28.8 43.2





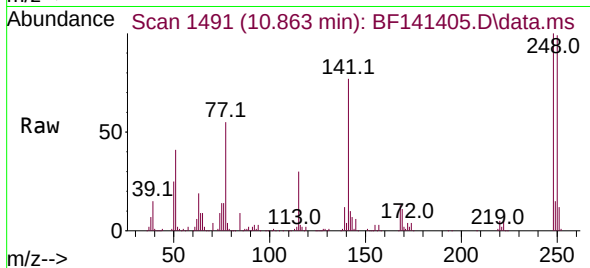
#67
4-Bromophenyl-phenylether
Concen: 43.292 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

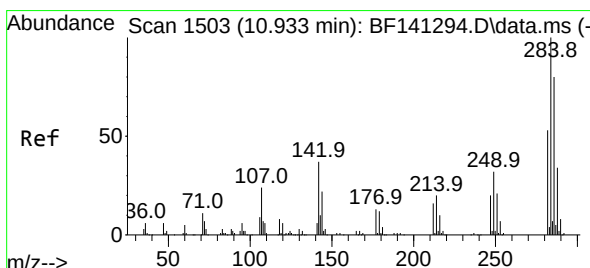
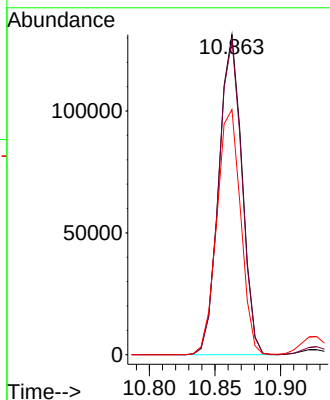
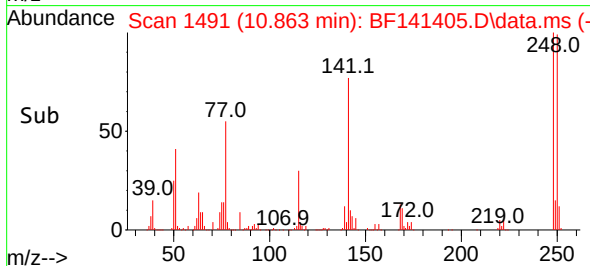
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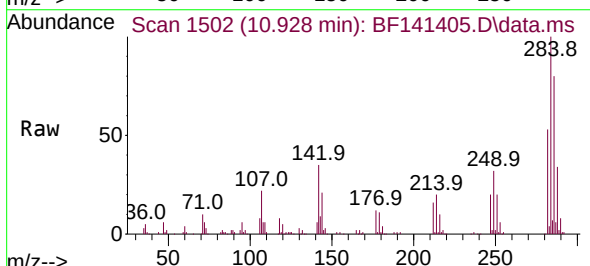
Tgt Ion:248 Resp: 160678
Ion Ratio Lower Upper
248 100
250 98.5 79.0 118.4
141 76.6 63.7 95.5

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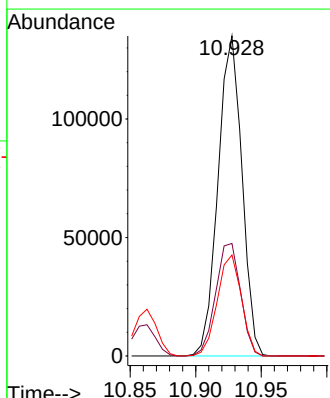
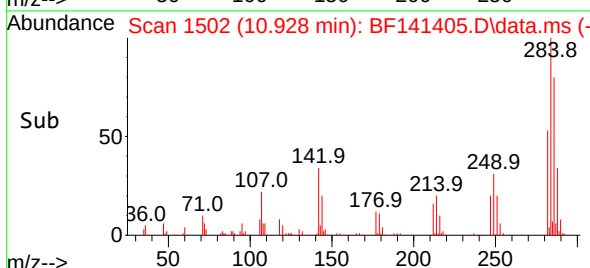
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

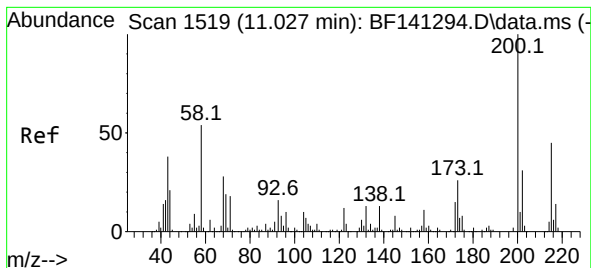


#68
Hexachlorobenzene
Concen: 43.467 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:284 Resp: 171129
Ion Ratio Lower Upper
284 100
142 35.2 29.5 44.3
249 31.6 25.4 38.2





#69

Atrazine

Concen: 51.270 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

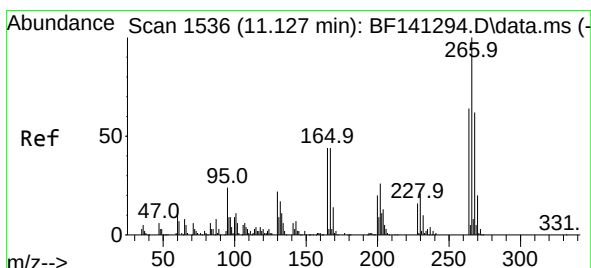
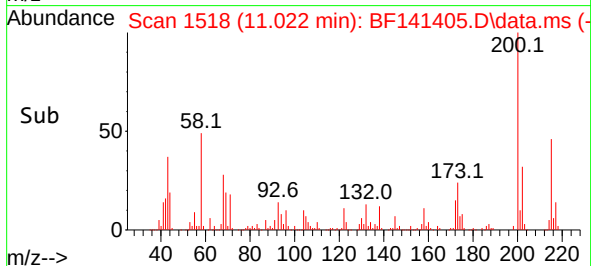
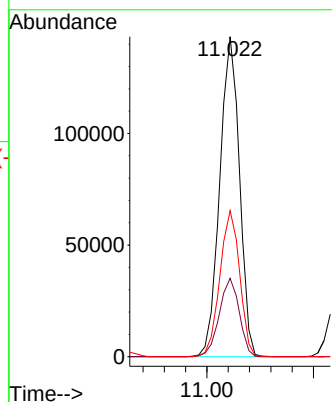
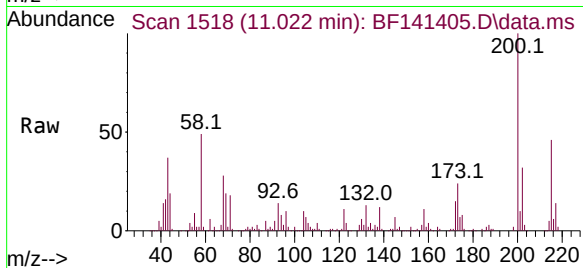
ClientSampleId :

PB166360BS

Tgt Ion:200 Resp: 183809
 Ion Ratio Lower Upper
 200 100
 173 24.5 5.9 45.9
 215 45.6 25.2 65.2

Manual Integrations
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Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 96.208 ng

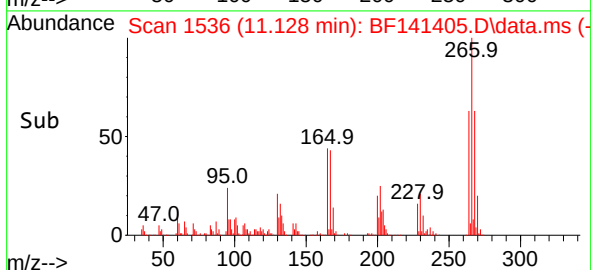
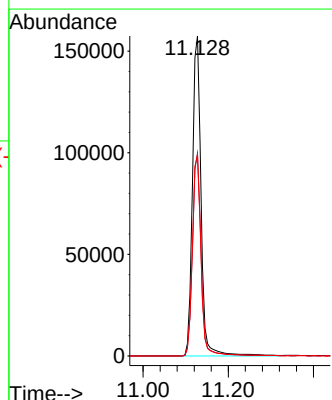
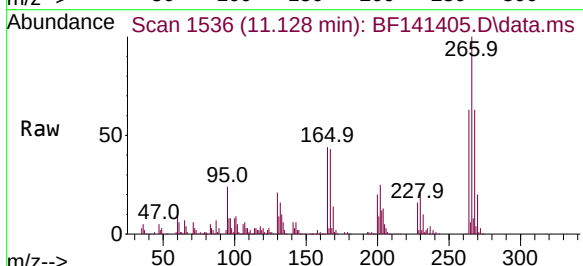
RT: 11.128 min Scan# 1536

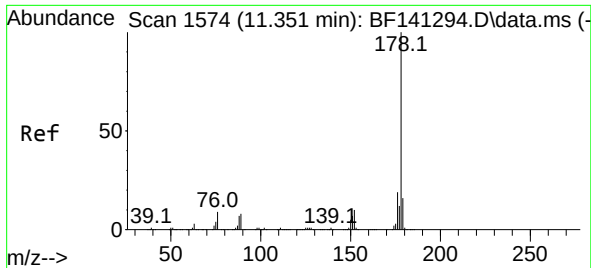
Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:266 Resp: 221801
 Ion Ratio Lower Upper
 266 100
 268 63.2 49.9 74.9
 264 62.9 51.0 76.4





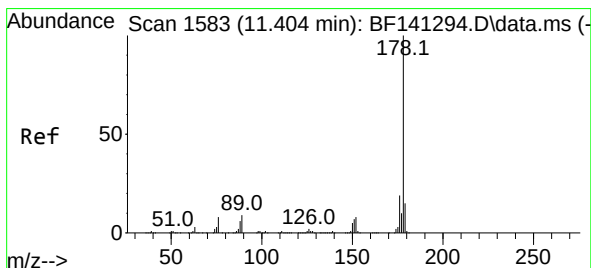
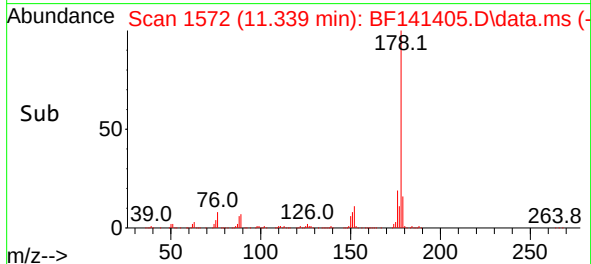
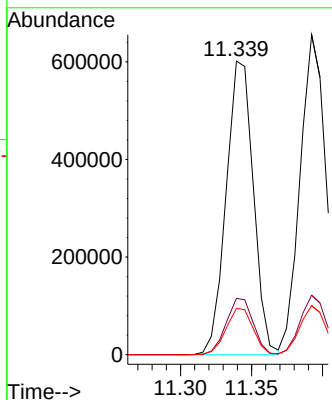
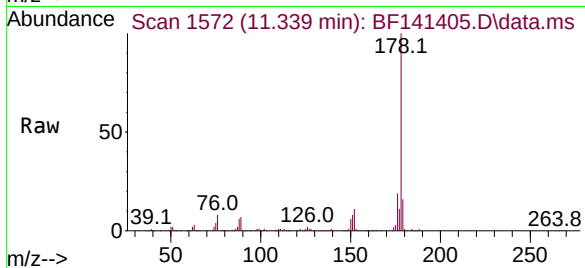
#71
Phenanthrene
Concen: 45.014 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:178 Resp: 802178
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.8 12.5 18.7

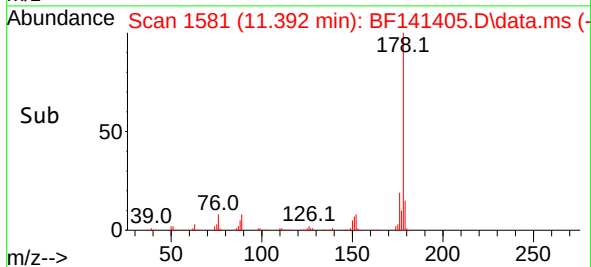
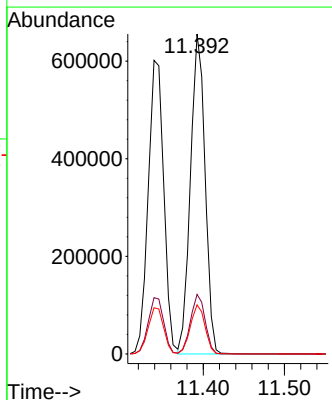
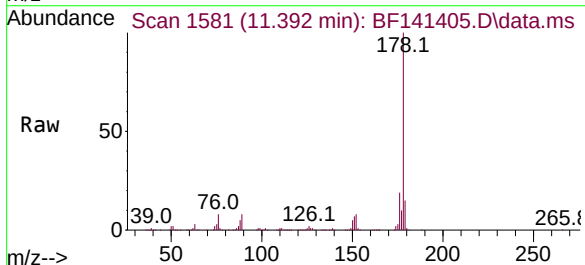
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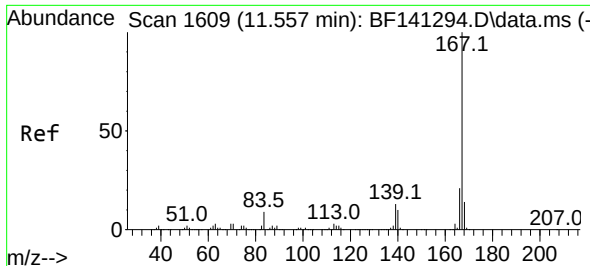
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#72
Anthracene
Concen: 47.129 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

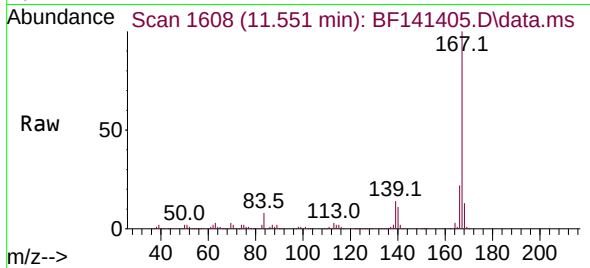
Tgt Ion:178 Resp: 822918
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.3 12.3 18.5





#73
 Carbazole
 Concen: 46.259 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

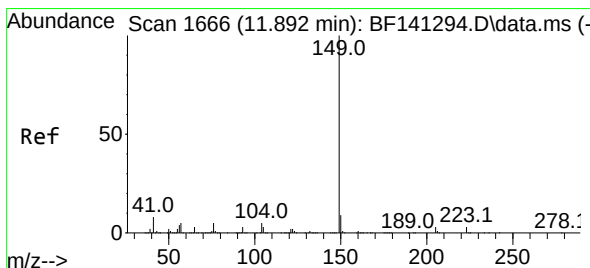
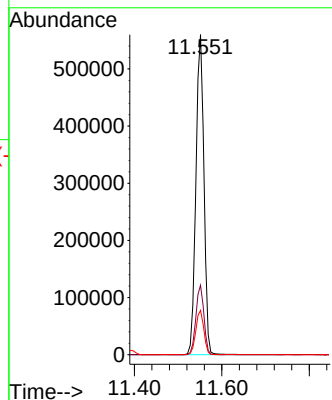
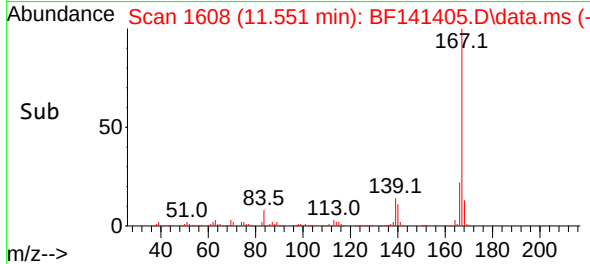
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS



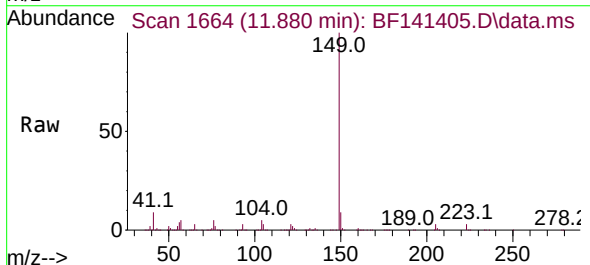
Tgt Ion:167 Resp: 71622
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.9 10.6 16.0

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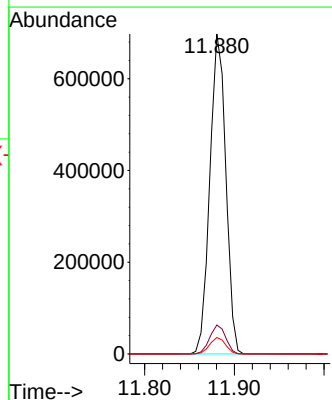
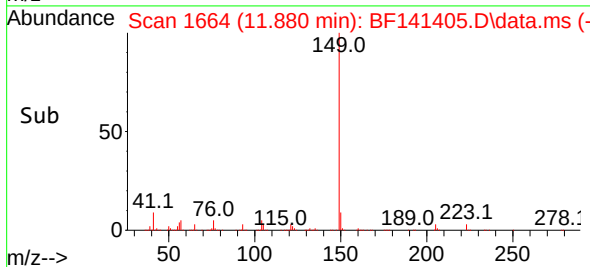
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

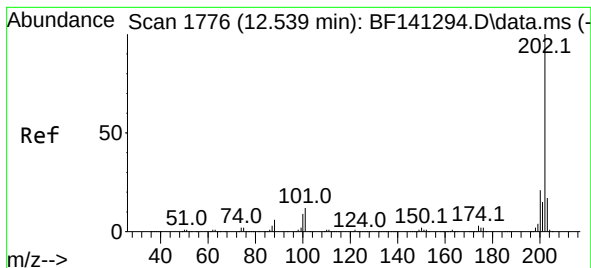


#74
 Di-n-butylphthalate
 Concen: 45.981 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47



Tgt Ion:149 Resp: 862780
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 49.085 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

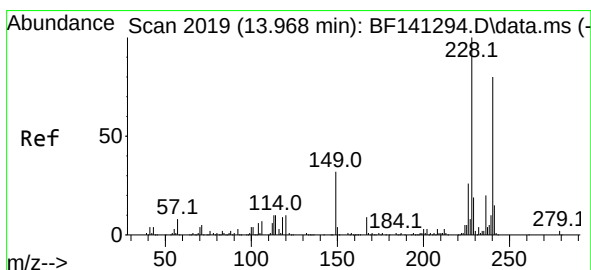
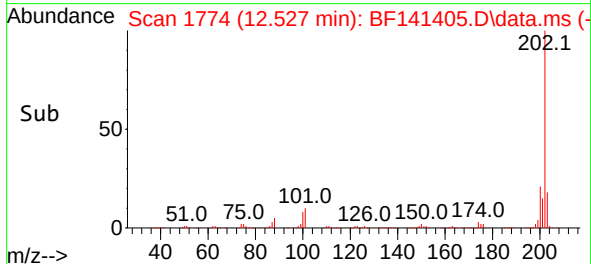
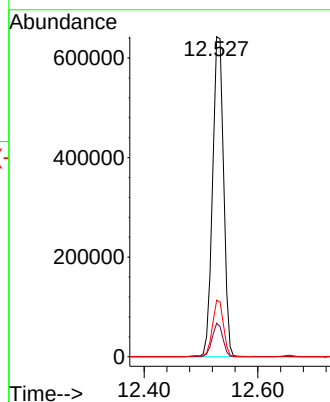
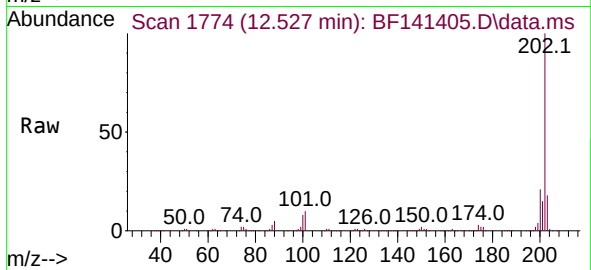
Tgt Ion:	202	Resp:	86369
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.7
203	17.7	0.0	37.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#76

Chrysene-d12

Concen: 20.000 ng

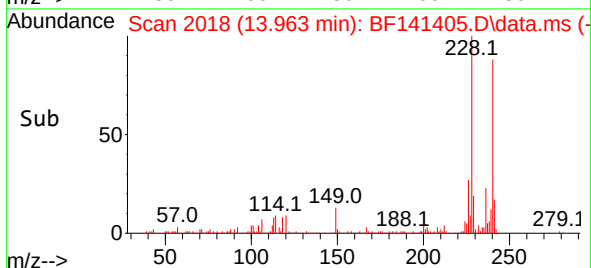
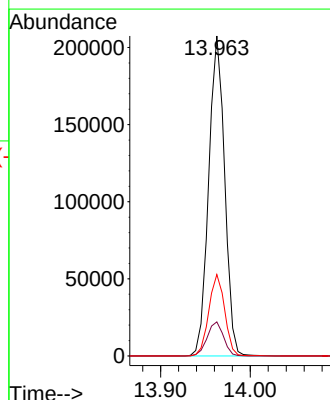
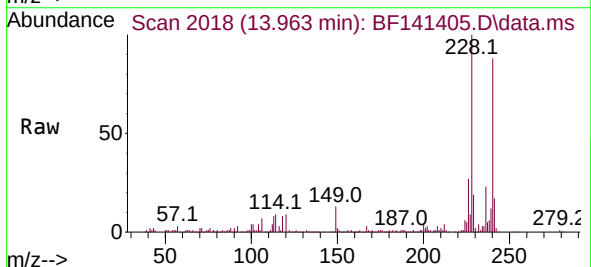
RT: 13.963 min Scan# 2018

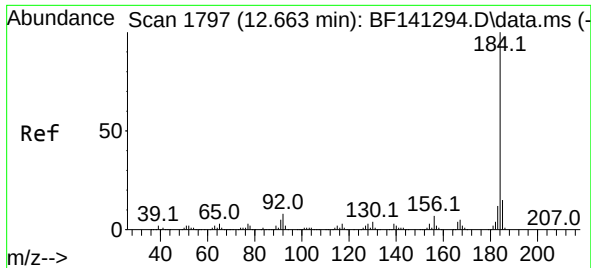
Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

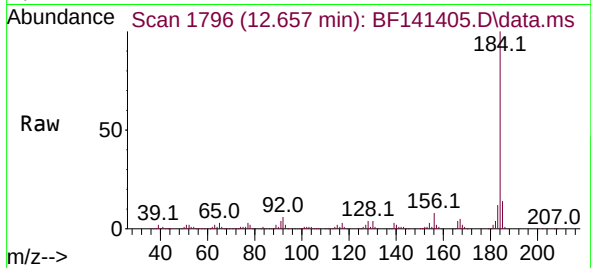
Tgt Ion:	240	Resp:	256577
Ion Ratio	Lower	Upper	
240	100		
120	10.6	10.0	15.0
236	25.4	19.7	29.5





#77
Benzidine
Concen: 49.964 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

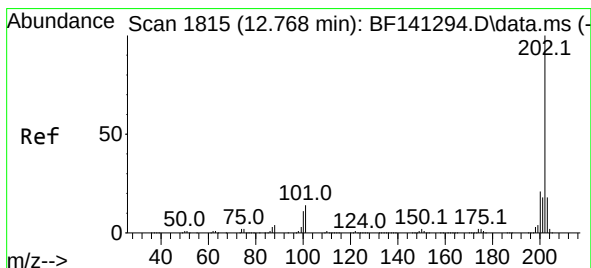
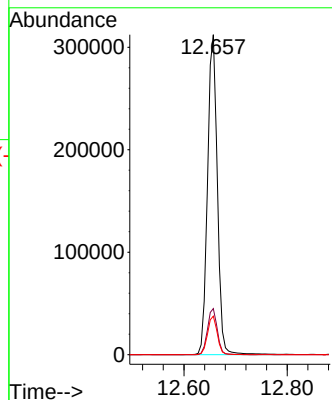
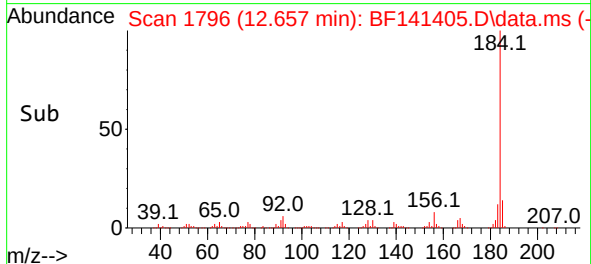
Instrument :
BNA_F
ClientSampleId :
PB166360BS



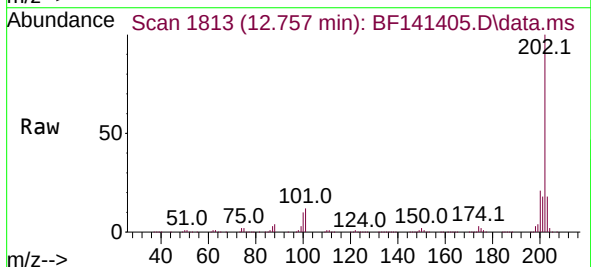
Tgt Ion:184 Resp: 410980
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 12.1 9.5 14.3

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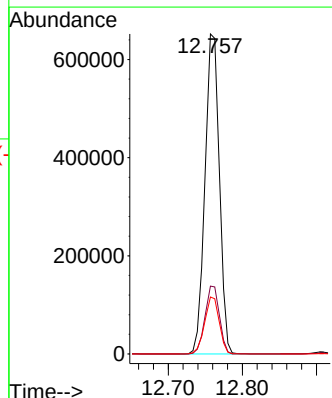
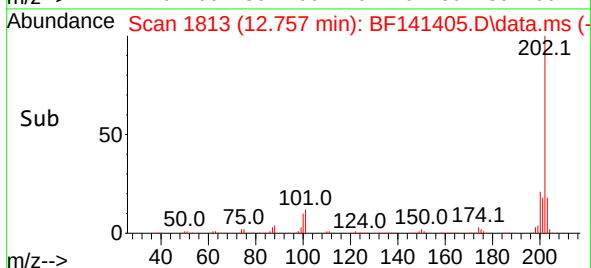
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

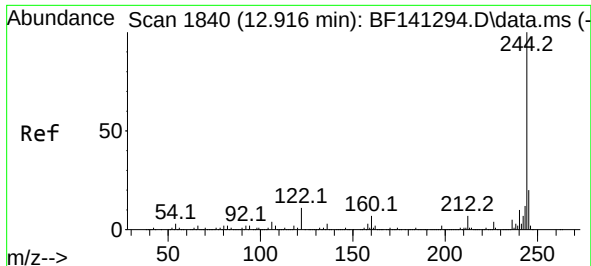


#78
Pyrene
Concen: 35.777 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



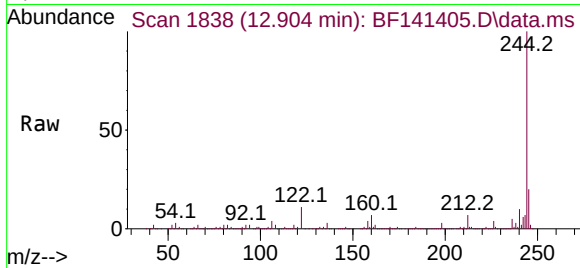
Tgt Ion:202 Resp: 881155
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 85.114 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

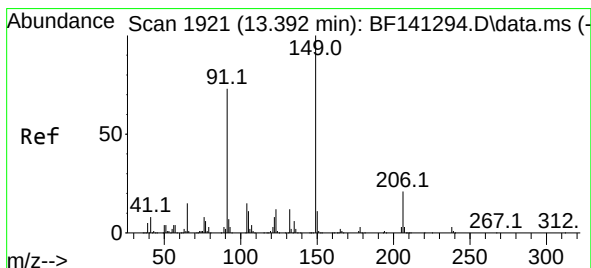
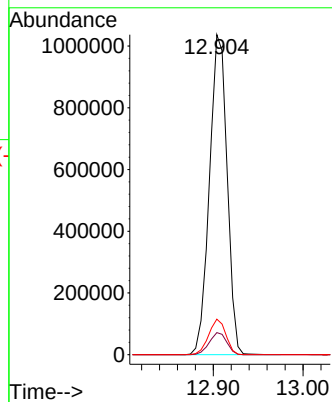
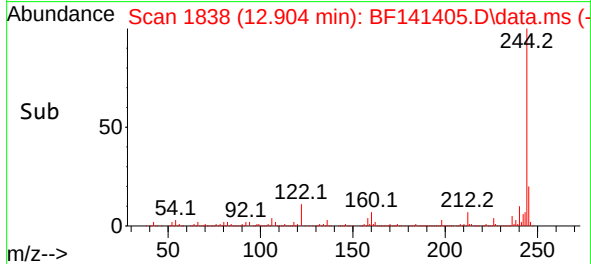
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS



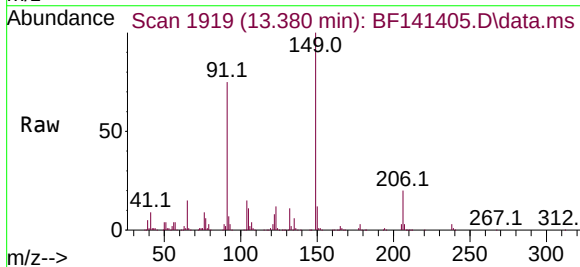
Tgt Ion:244 Resp: 141606
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.1 8.8 13.2

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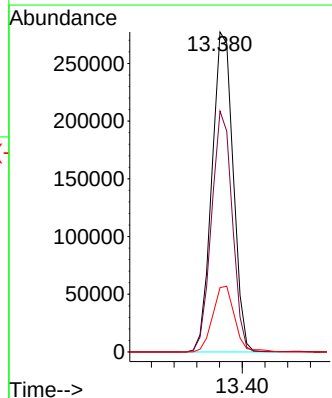
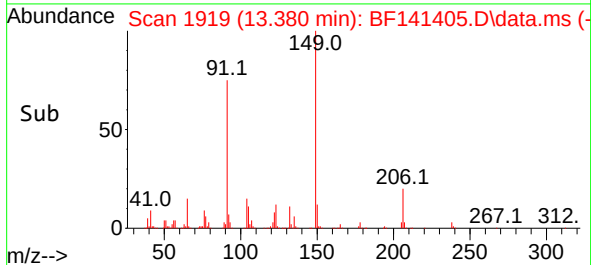
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

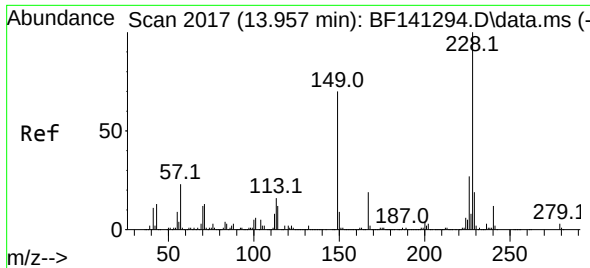


#80
 Butylbenzylphthalate
 Concen: 41.853 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47



Tgt Ion:149 Resp: 360119
 Ion Ratio Lower Upper
 149 100
 91 75.2 58.6 87.8
 206 20.1 16.7 25.1





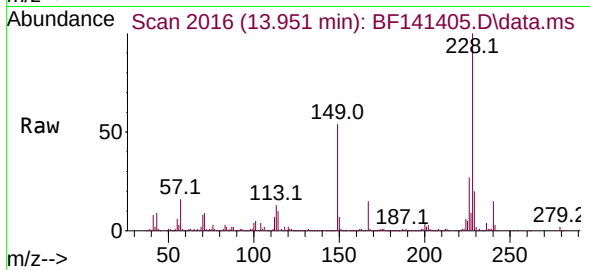
#81
Benzo(a)anthracene
Concen: 40.491 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

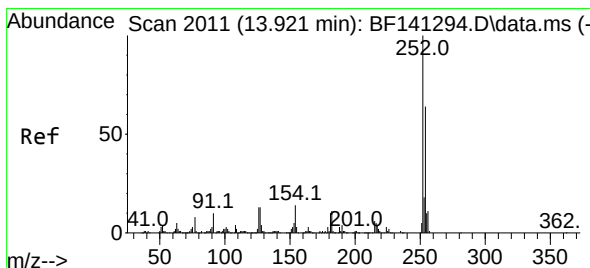
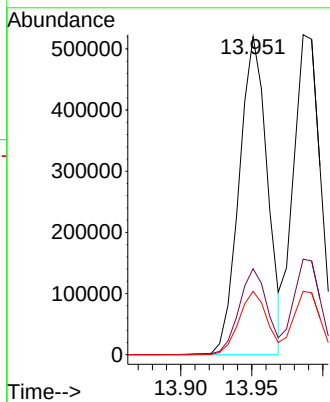
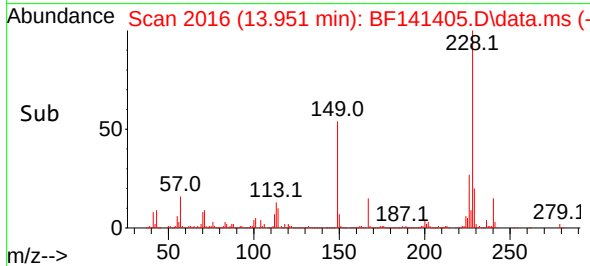
PB166360BS



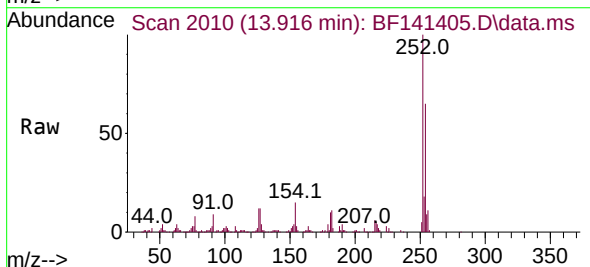
Tgt Ion:228 Resp: 716900
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

Manual Integrations
APPROVED

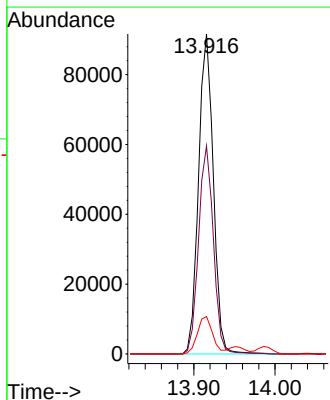
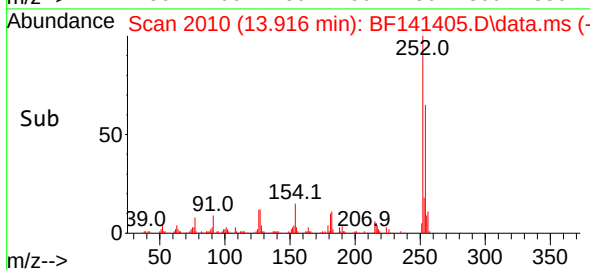
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

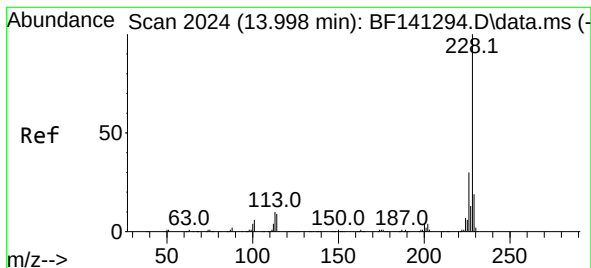


#82
3,3'-Dichlorobenzidine
Concen: 20.593 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:252 Resp: 115963
Ion Ratio Lower Upper
252 100
254 65.0 51.3 76.9
126 11.7 10.0 15.0





#83

Chrysene

Concen: 42.465 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

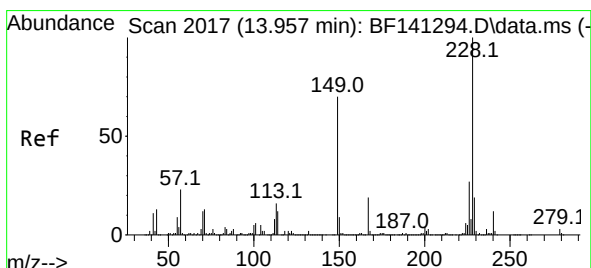
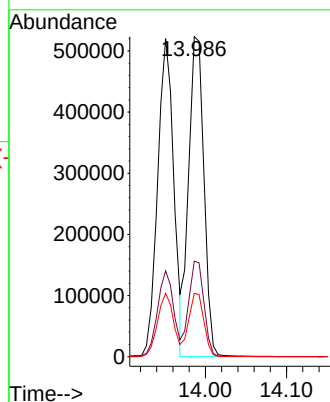
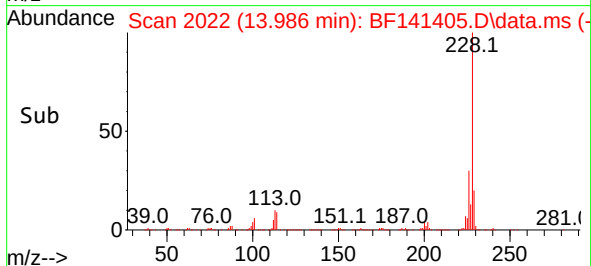
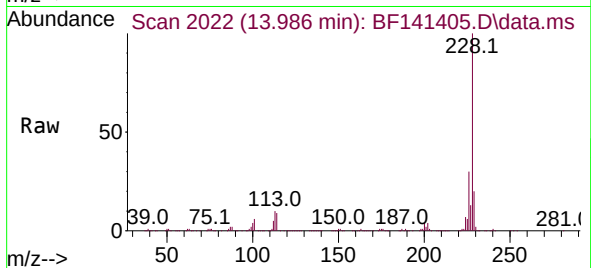
Tgt Ion:228 Resp: 689060
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.032 ng

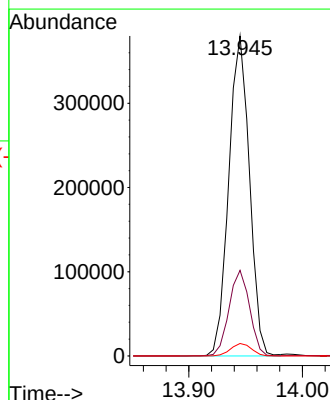
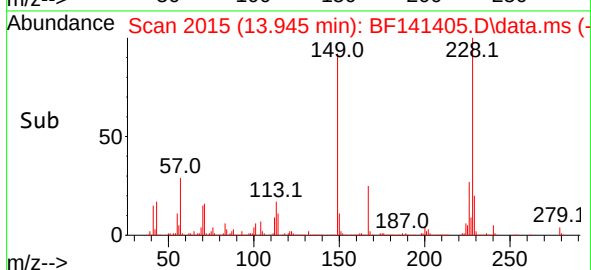
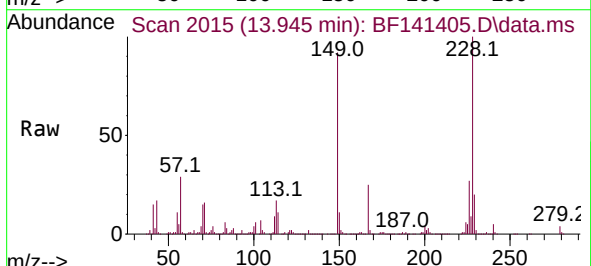
RT: 13.945 min Scan# 2015

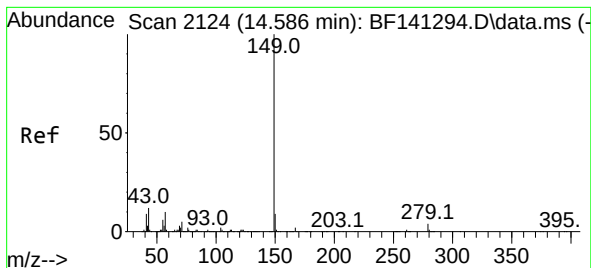
Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 480602
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: 44.271 ng

RT: 14.569 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF141405.D

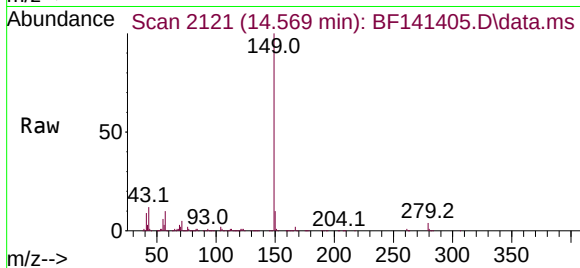
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:149 Resp: 750520

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

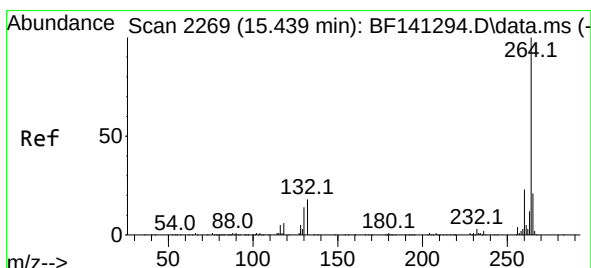
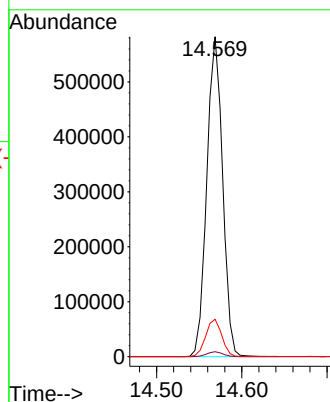
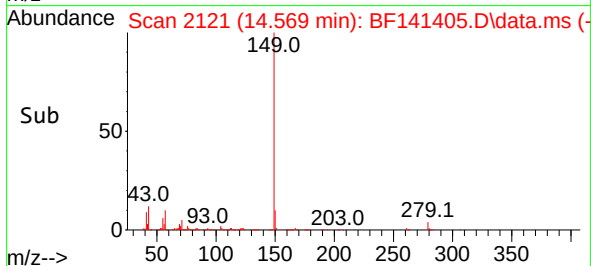
43 11.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

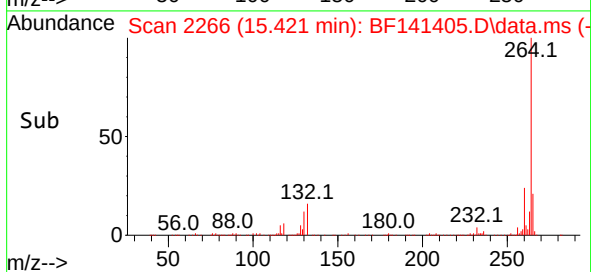
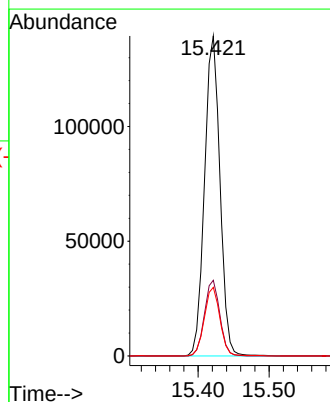
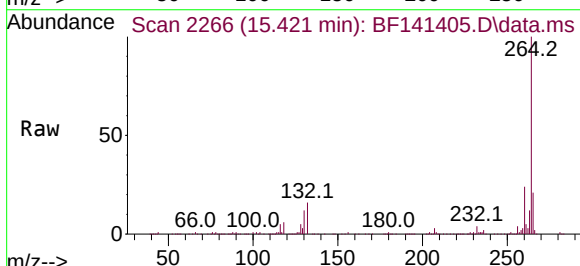
Tgt Ion:264 Resp: 210910

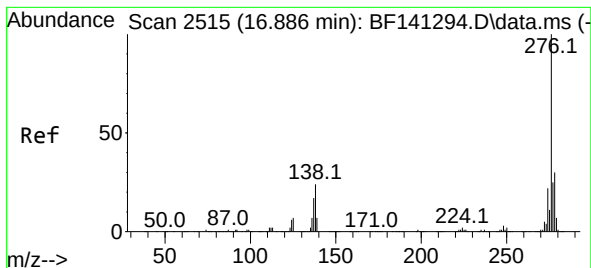
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.245 ng

RT: 16.863 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF141405.D

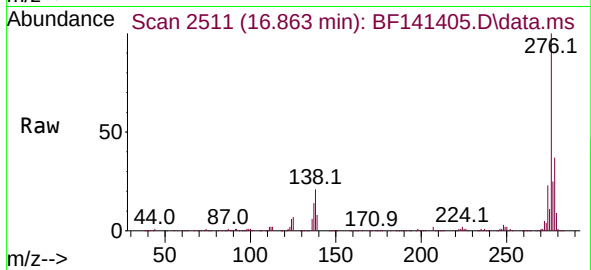
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



Tgt Ion:276 Resp: 575069

Ion Ratio Lower Upper

276 100

138 23.2 21.7 32.5

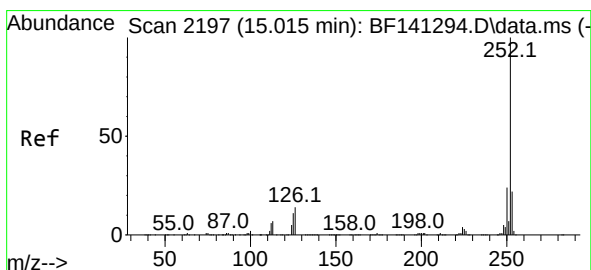
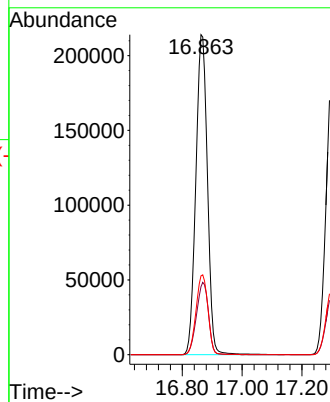
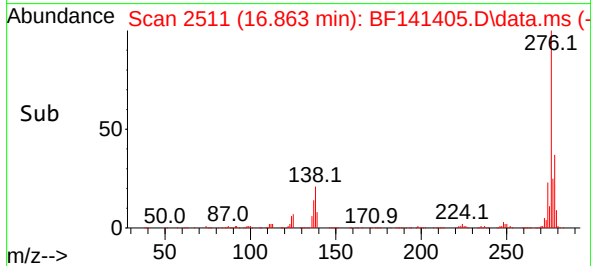
277 25.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#88

Benzo(b)fluoranthene

Concen: 45.076 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

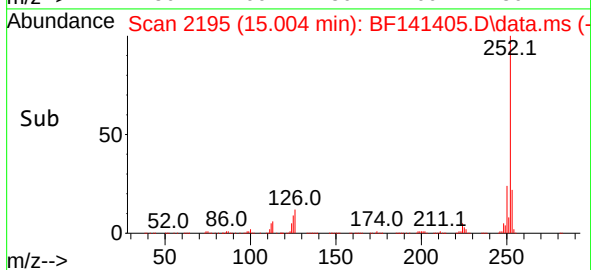
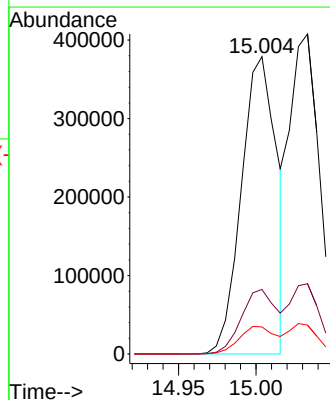
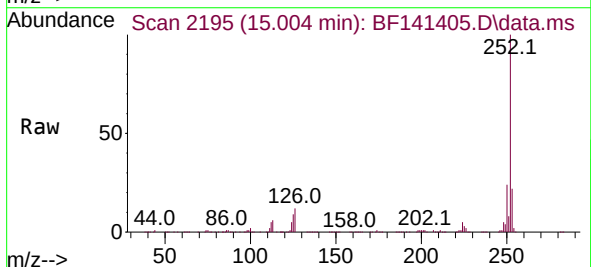
Tgt Ion:252 Resp: 598008

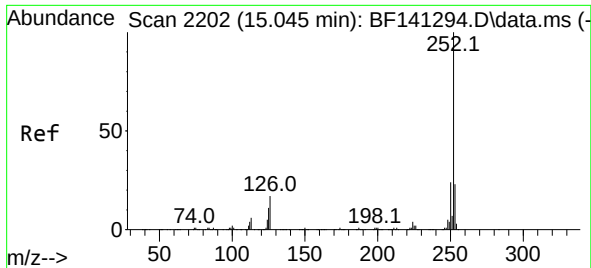
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.1 8.6 12.8





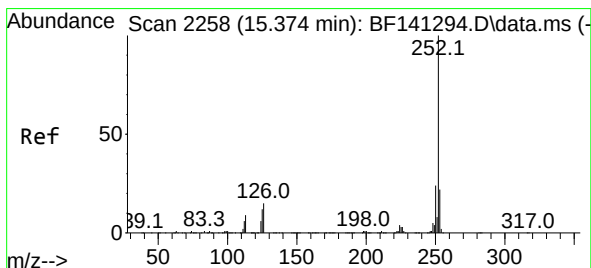
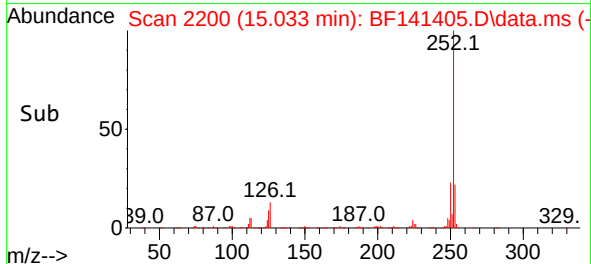
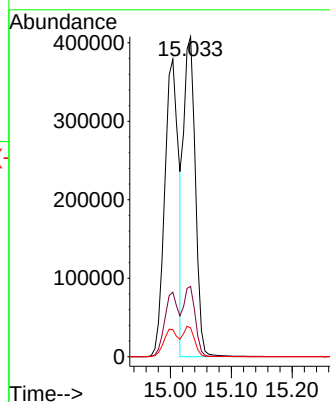
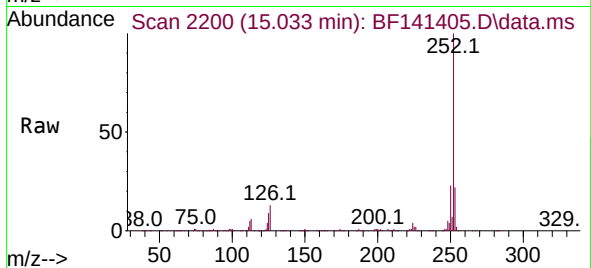
#89
Benzo(k)fluoranthene
Concen: 46.408 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:252 Resp: 545420
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.0 8.4 12.6

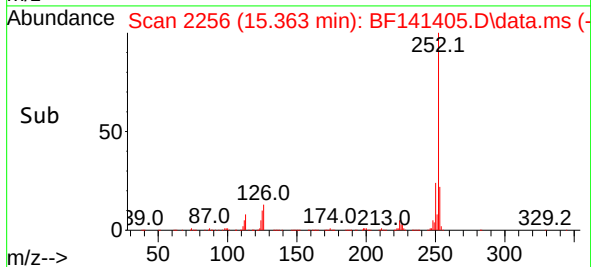
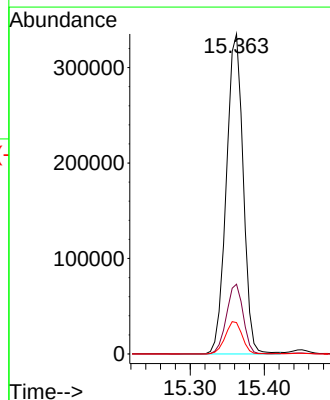
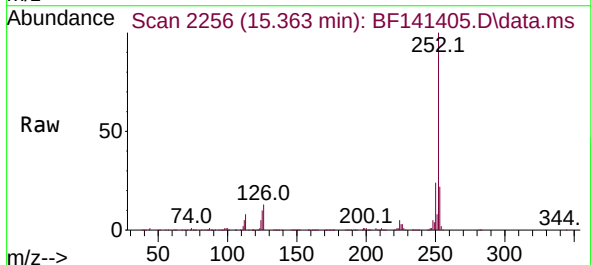
Manual Integrations
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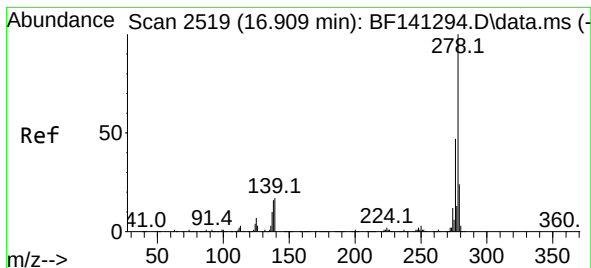
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#90
Benzo(a)pyrene
Concen: 47.160 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

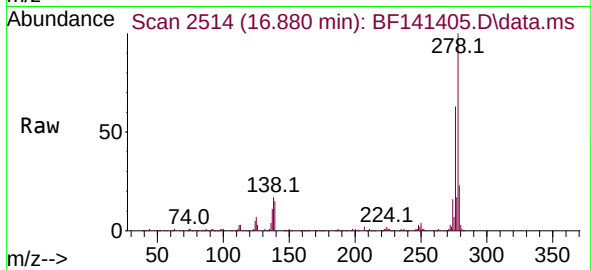
Tgt Ion:252 Resp: 528708
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 9.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 42.293 ng
RT: 16.880 min Scan# 2519
Delta R.T. -0.041 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

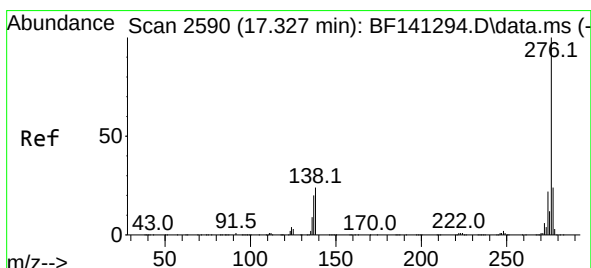
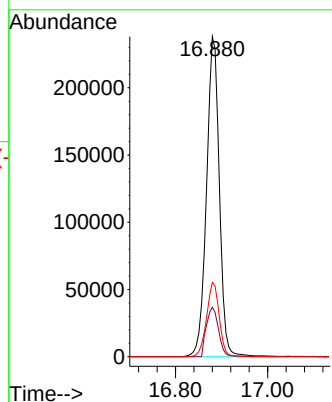
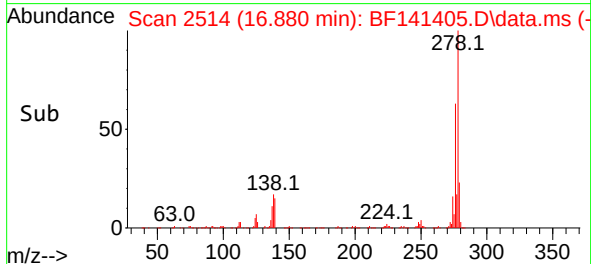
Instrument :
BNA_F
ClientSampleId :
PB166360BS



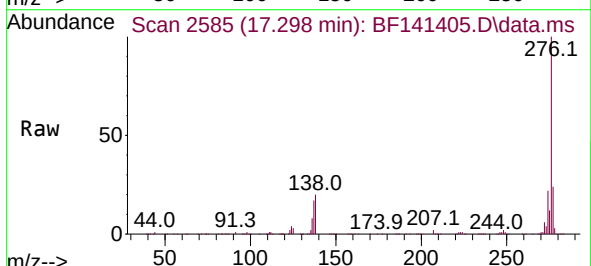
Tgt Ion:278 Resp: 46319
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.2 18.8 28.2

Manual Integrations
APPROVED

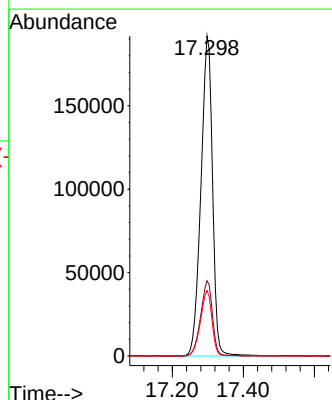
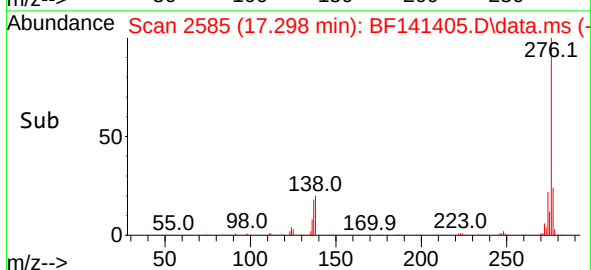
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 38.340 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:276 Resp: 436604
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 20.4 19.0 28.4



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-29.1-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141573.D	1	01/30/25 09:15	02/11/25 20:11	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2200		200	370	ug/Kg
108-95-2	Phenol	1700		93.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		94.1	190	ug/Kg
95-57-8	2-Chlorophenol	1700		93.8	190	ug/Kg
95-48-7	2-Methylphenol	1700		90.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	190	ug/Kg
98-86-2	Acetophenone	2000		97.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		89.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		45.3	89.9	ug/Kg
67-72-1	Hexachloroethane	1700		93.3	190	ug/Kg
98-95-3	Nitrobenzene	1700		100	190	ug/Kg
78-59-1	Isophorone	1900		95.1	190	ug/Kg
88-75-5	2-Nitrophenol	1800		110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		96.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		84.9	190	ug/Kg
91-20-3	Naphthalene	1800		92.8	190	ug/Kg
106-47-8	4-Chloroaniline	380		92.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		93.6	190	ug/Kg
105-60-2	Caprolactam	1900		97.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		87.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		92.7	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100		180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		80.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		83.2	190	ug/Kg
92-52-4	1,1-Biphenyl	2000		98.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1800		93.6	190	ug/Kg
88-74-4	2-Nitroaniline	1800		110	190	ug/Kg
131-11-3	Dimethylphthalate	1800		91.8	190	ug/Kg

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-29.1-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141573.D	1	01/30/25 09:15	02/11/25 20:11	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		97.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		93.5	190	ug/Kg
99-09-2	3-Nitroaniline	820		100	190	ug/Kg
83-32-9	Acenaphthene	1800		91.1	190	ug/Kg
51-28-5	2,4-Dinitrophenol	1900		270	370	ug/Kg
100-02-7	4-Nitrophenol	3200	E	130	370	ug/Kg
132-64-9	Dibenzofuran	1700		94.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		96.9	190	ug/Kg
84-66-2	Diethylphthalate	1700		90.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		96.2	190	ug/Kg
86-73-7	Fluorene	1700		96.1	190	ug/Kg
100-01-6	4-Nitroaniline	1300		120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		91.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		88.7	190	ug/Kg
118-74-1	Hexachlorobenzene	1900		95.5	190	ug/Kg
1912-24-9	Atrazine	2500		100	190	ug/Kg
87-86-5	Pentachlorophenol	3100	E	86.9	370	ug/Kg
85-01-8	Phenanthrene	2700		94.4	190	ug/Kg
120-12-7	Anthracene	2000		94.9	190	ug/Kg
86-74-8	Carbazole	1800		90.2	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		94.7	190	ug/Kg
206-44-0	Fluoranthene	3300	E	91.8	190	ug/Kg
129-00-0	Pyrene	2900		93.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	1900		110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	370	ug/Kg
56-55-3	Benzo(a)anthracene	2800		90.7	190	ug/Kg
218-01-9	Chrysene	2600		89.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2700		120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2900		91.1	190	ug/Kg

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-29.1-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141573.D	1	01/30/25 09:15	02/11/25 20:11	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2200		92.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	2800		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		87.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		91.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		90.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		97.6	190	ug/Kg
123-91-1	1,4-Dioxane	1800		120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		84.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	96.4		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	92.7		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.2		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.2		10 - 116	60%	SPK: 150
1718-51-0	Terphenyl-d14	59.0		10 - 105	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	77600	6.787			
1146-65-2	Naphthalene-d8	287000	8.069			
15067-26-2	Acenaphthene-d10	146000	9.822			
1517-22-2	Phenanthrene-d10	214000	11.31			
1719-03-5	Chrysene-d12	167000	13.957			
1520-96-3	Perylene-d12	163000	15.404			

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\BF021125\
 Data File : BF141573.D
 Acq On : 11 Feb 2025 20:11
 Operator : RC/JU
 Sample : Q1215-03MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MS

Quant Time: Feb 12 00:08:04 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77607	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	287166	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	145781	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	213944	20.000	ng	0.00
76) Chrysene-d12	13.957	240	166810	20.000	ng	0.00
86) Perylene-d12	15.404	264	163116	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	477086	96.376	ng	0.00
7) Phenol-d6	6.428	99	580198	92.732	ng	-0.01
23) Nitrobenzene-d5	7.351	82	397558	72.209	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	132136	90.230	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	692418	73.176	ng	0.00
79) Terphenyl-d14	12.892	244	583318	59.034	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.557	88	97239	48.806	ng	99
3) Pyridine	3.287	79	206639	43.585	ng	99
4) n-Nitrosodimethylamine	3.234	42	140096	44.627	ng	97
6) Aniline	6.451	93	103301	17.601	ng	# 51
8) 2-Chlorophenol	6.575	128	239596	44.793	ng	100
9) Benzaldehyde	6.339	77	195430	58.779	ng	99
10) Phenol	6.445	94	289881	44.515	ng	85
11) bis(2-Chloroethyl)ether	6.522	93	228943	46.807	ng	99
12) 1,3-Dichlorobenzene	6.728	146	259287	45.916	ng	98
13) 1,4-Dichlorobenzene	6.804	146	265055	45.940	ng	98
14) 1,2-Dichlorobenzene	6.957	146	248283	46.366	ng	100
15) Benzyl Alcohol	6.934	79	207989	43.350	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	376546	44.972	ng	85
17) 2-Methylphenol	7.051	107	187088	44.695	ng	96
18) Hexachloroethane	7.298	117	96008	44.963	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	167693	44.808	ng	100
20) 3+4-Methylphenols	7.204	107	244866	46.031	ng	94
22) Acetophenone	7.198	105	375710	52.595	ng	96
24) Nitrobenzene	7.369	77	248977	46.376	ng	100
25) Isophorone	7.610	82	438930	50.000	ng	98
26) 2-Nitrophenol	7.686	139	125964	47.159	ng	95
27) 2,4-Dimethylphenol	7.728	122	183107	58.682	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	270172	48.029	ng	100
29) 2,4-Dichlorophenol	7.933	162	194999	46.252	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	212812	46.353	ng	100
31) Naphthalene	8.092	128	704051	47.100	ng	100
32) Benzoic acid	7.851	122	136502	42.116	ng	98
33) 4-Chloroaniline	8.151	127	52415	10.043	ng	99
34) Hexachlorobutadiene	8.204	225	136802	49.634	ng	99
35) Caprolactam	8.510	113	65788m	51.251	ng	
36) 4-Chloro-3-methylphenol	8.633	107	204996	43.895	ng	100
37) 2-Methylnaphthalene	8.780	142	434342	44.652	ng	98
38) 1-Methylnaphthalene	8.880	142	412932	43.831	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	228072	54.076	ng	98
41) Hexachlorocyclopentadiene	8.933	237	77126	54.979	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	128073	46.984	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141573.D
 Acq On : 11 Feb 2025 20:11
 Operator : RC/JU
 Sample : Q1215-03MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MS

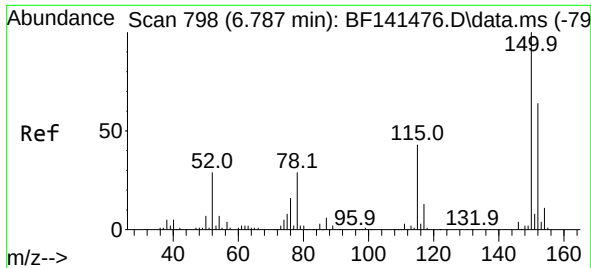
Quant Time: Feb 12 00:08:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

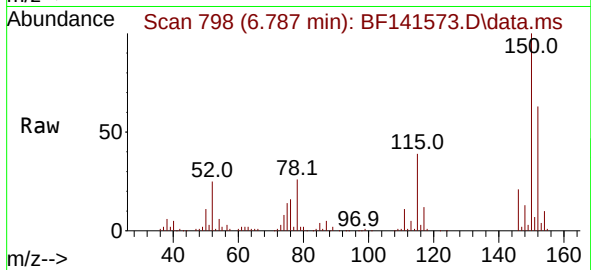
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	135865	45.990	ng	99
46) 1,1'-Biphenyl	9.245	154	609161	53.898	ng	99
47) 2-Chloronaphthalene	9.269	162	408164	48.838	ng	99
48) 2-Nitroaniline	9.369	65	131322	46.820	ng	99
49) Acenaphthylene	9.686	152	603329	48.534	ng	99
50) Dimethylphthalate	9.545	163	482543	48.758	ng	100
51) 2,6-Dinitrotoluene	9.610	165	102238	47.256	ng	99
52) Acenaphthene	9.857	154	401919	48.093	ng	100
53) 3-Nitroaniline	9.780	138	50932	21.873	ng	99
54) 2,4-Dinitrophenol	9.892	184	66715	51.885	ng	92
55) Dibenzofuran	10.027	168	550486	44.876	ng	100
56) 4-Nitrophenol	9.957	139	146759	84.902	ng	95
57) 2,4-Dinitrotoluene	10.016	165	129414	44.933	ng	99
58) Fluorene	10.374	166	430766	45.417	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	106602	41.913	ng	95
60) Diethylphthalate	10.245	149	451106	46.328	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	209301	45.869	ng	99
62) 4-Nitroaniline	10.392	138	83129	35.158	ng	99
63) Azobenzene	10.522	77	453856	46.886	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	46539	31.315	ng	93
66) n-Nitrosodiphenylamine	10.480	169	365475	53.365	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	122445	51.209	ng	99
68) Hexachlorobenzene	10.922	284	123400	50.118	ng	99
69) Atrazine	11.010	200	135307	65.856	ng	99
70) Pentachlorophenol	11.122	266	130475	82.874	ng	99
71) Phenanthrene	11.333	178	836700	71.047	ng	100
72) Anthracene	11.386	178	630026	53.219	ng	100
73) Carbazole	11.545	167	499177	46.862	ng	100
74) Di-n-butylphthalate	11.874	149	628802	51.124	ng	100
75) Fluoranthene	12.527	202	1086850	87.049	ng	99
77) Benzidine	12.645	184	130042	35.348	ng	99
78) Pyrene	12.757	202	1108693	78.077	ng	100
80) Butylbenzylphthalate	13.368	149	244644	49.740	ng	99
81) Benzo(a)anthracene	13.945	228	837812	75.557	ng	98
82) 3,3'-Dichlorobenzidine	13.904	252	102012	32.116	ng	99
83) Chrysene	13.980	228	709686	69.316	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	330164	59.518	ng	99
85) Di-n-octyl phthalate	14.545	149	564735	71.362	ng	99
87) Indeno(1,2,3-cd)pyrene	16.851	276	505098	50.115	ng	99
88) Benzo(b)fluoranthene	14.992	252	846904	77.326	ng	99
89) Benzo(k)fluoranthene	15.015	252	537534m	57.475	ng	
90) Benzo(a)pyrene	15.345	252	660314	74.508	ng	98
91) Dibenzo(a,h)anthracene	16.862	278	349535	42.800	ng	99
92) Benzo(g,h,i)perylene	17.280	276	399380	46.732	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

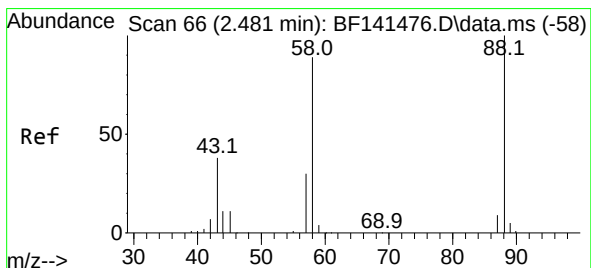
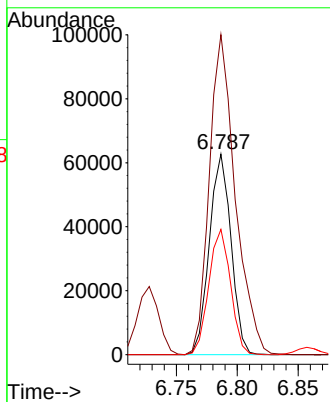
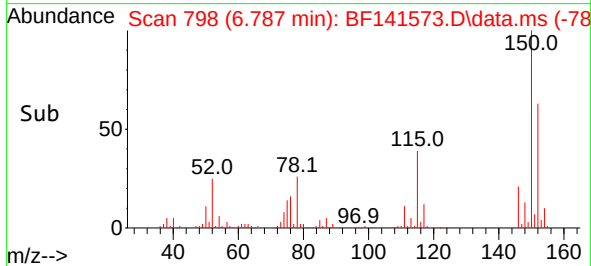
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



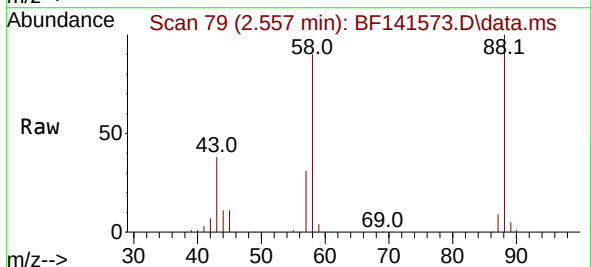
Tgt Ion:152 Resp: 7760
Ion Ratio Lower Upper
152 100
150 159.6 125.0 187.4
115 62.5 53.6 80.4

Manual Integrations
APPROVED

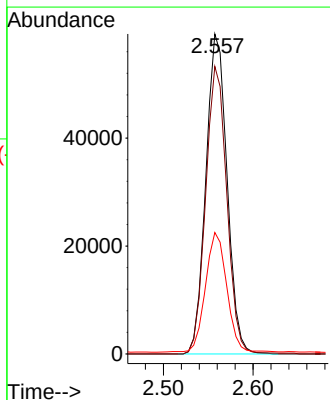
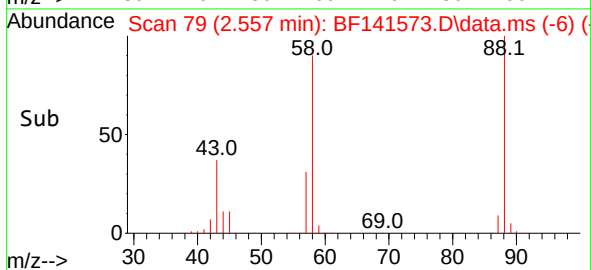
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

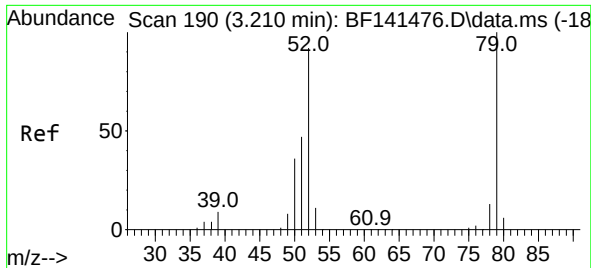


#2
1,4-Dioxane
Concen: 48.806 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.077 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



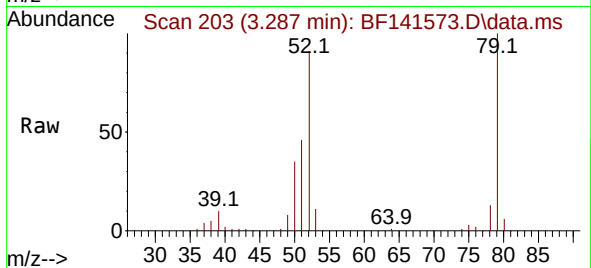
Tgt Ion: 88 Resp: 97239
Ion Ratio Lower Upper
88 100
58 89.9 71.1 106.7
43 37.8 30.6 46.0





#3
Pyridine
Concen: 43.585 ng
RT: 3.287 min Scan# 20
Delta R.T. 0.071 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

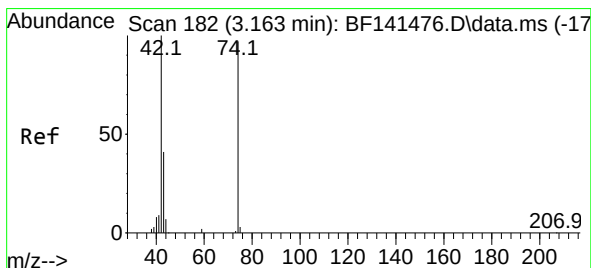
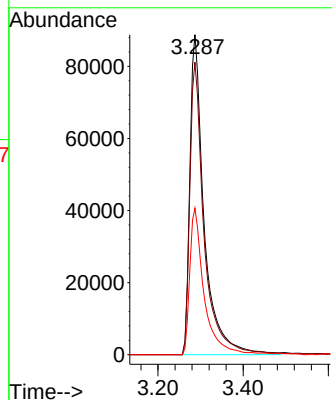
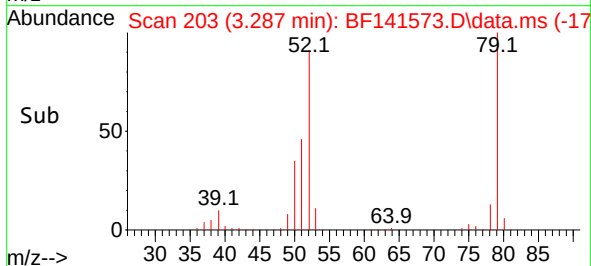
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



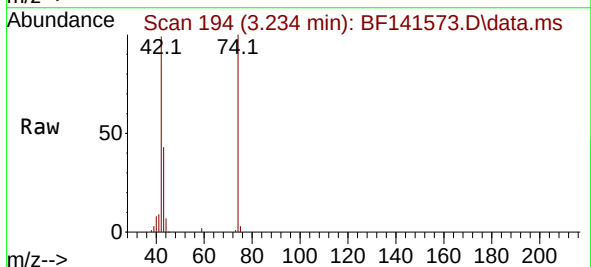
Tgt Ion: 79 Resp: 206639
Ion Ratio Lower Upper
79 100
52 91.4 73.7 110.5
51 45.8 37.5 56.3

Manual Integrations
APPROVED

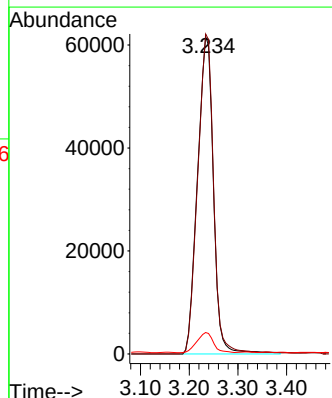
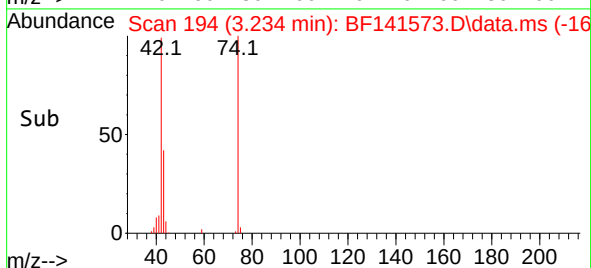
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

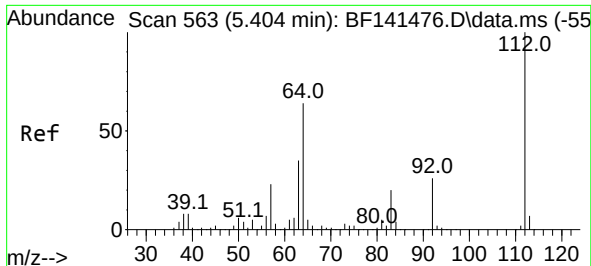


#4
n-Nitrosodimethylamine
Concen: 44.627 ng
RT: 3.234 min Scan# 194
Delta R.T. 0.047 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion: 42 Resp: 140096
Ion Ratio Lower Upper
42 100
74 100.9 78.0 117.0
44 6.8 5.4 8.2





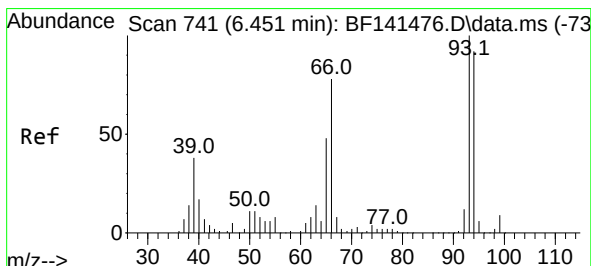
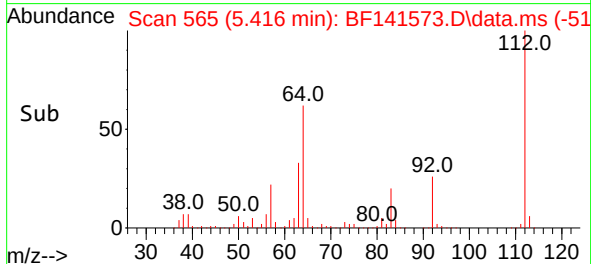
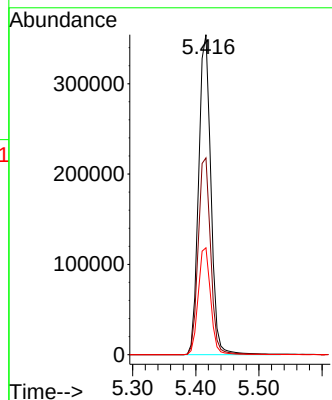
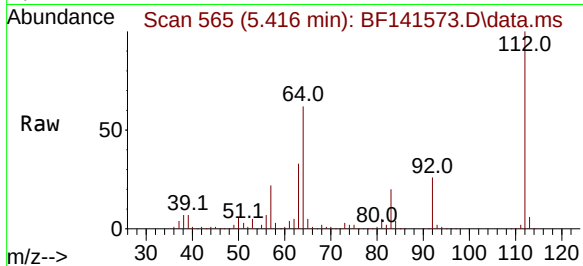
#5
2-Fluorophenol
Concen: 96.376 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS

Tgt Ion:112 Resp: 477080
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 33.4 28.4 42.6

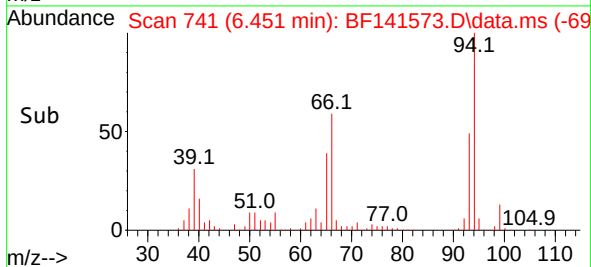
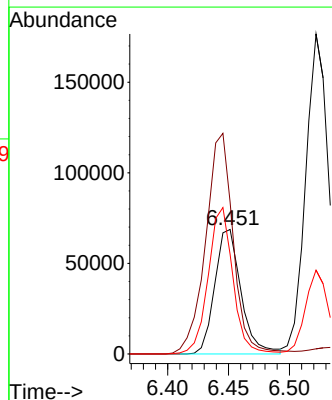
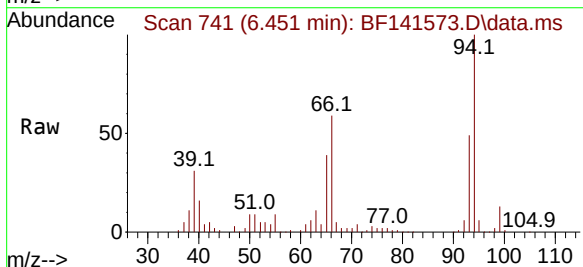
Manual Integrations
APPROVED

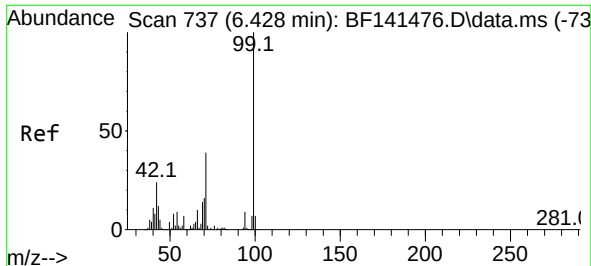
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#6
Aniline
Concen: 17.601 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

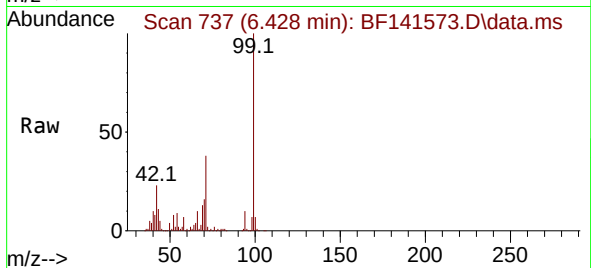
Tgt Ion: 93 Resp: 103301
Ion Ratio Lower Upper
93 100
66 121.8 62.6 94.0#
65 79.9 38.3 57.5#





#7
Phenol-d6
Concen: 92.732 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

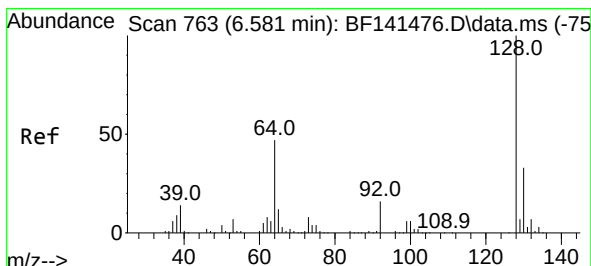
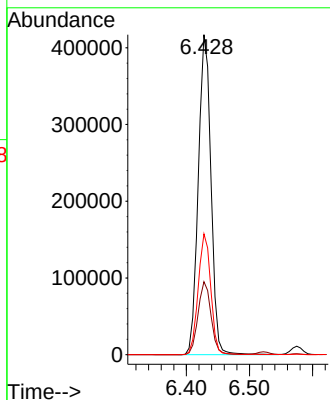
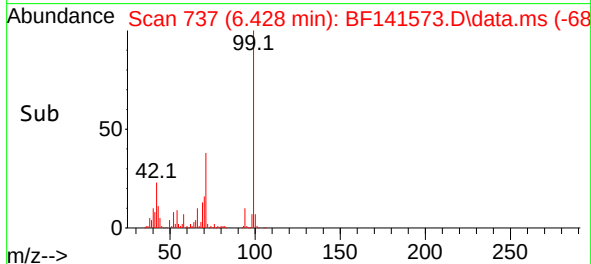
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



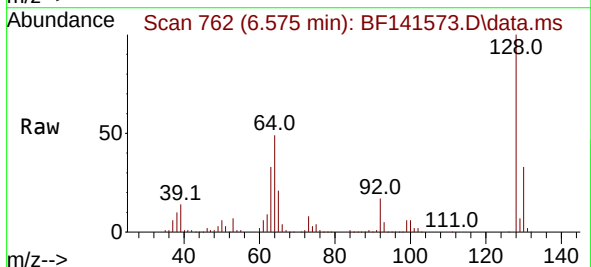
Tgt Ion: 99 Resp: 580198
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 37.7 31.1 46.7

Manual Integrations
APPROVED

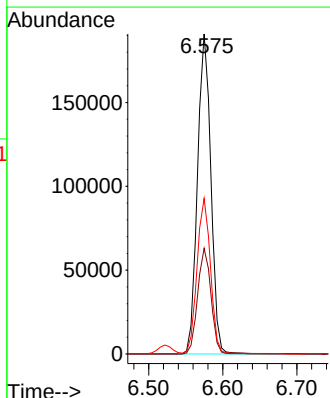
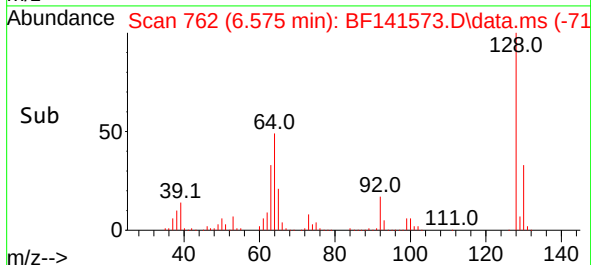
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

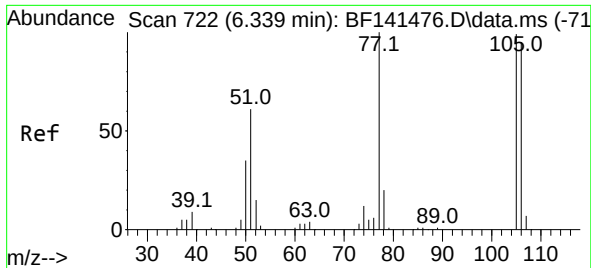


#8
2-Chlorophenol
Concen: 44.793 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



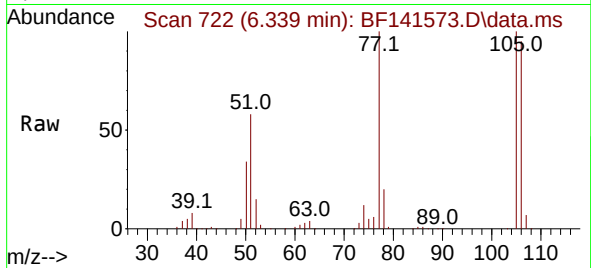
Tgt Ion:128 Resp: 239596
Ion Ratio Lower Upper
128 100
130 33.0 12.7 52.7
64 48.6 28.3 68.3





#9
Benzaldehyde
Concen: 58.779 ng
RT: 6.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

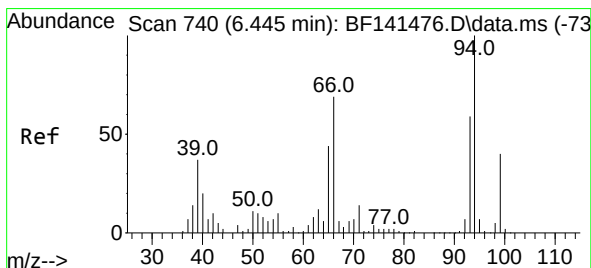
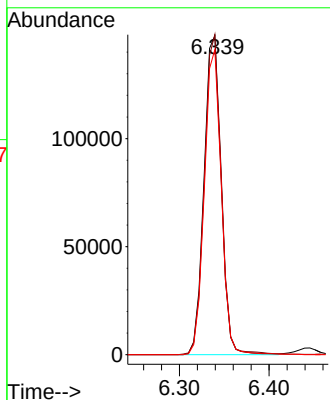
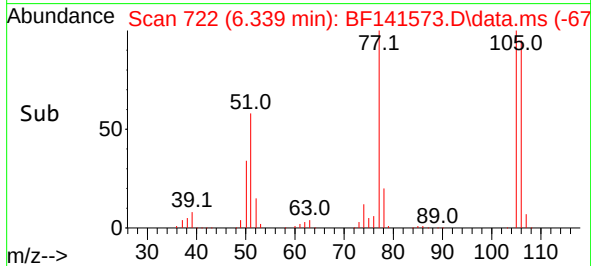
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



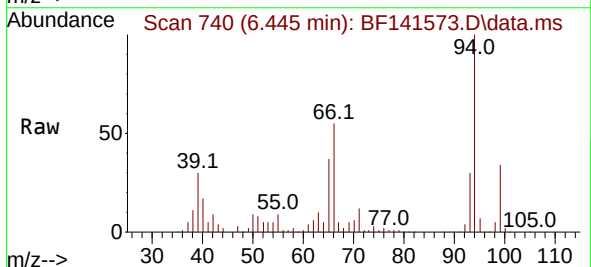
Tgt Ion: 77 Resp: 195430
Ion Ratio Lower Upper
77 100
105 100.3 79.4 119.4
106 95.6 75.1 115.1

Manual Integrations
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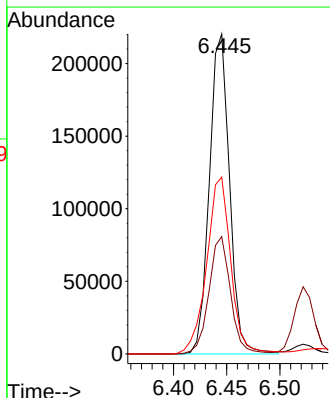
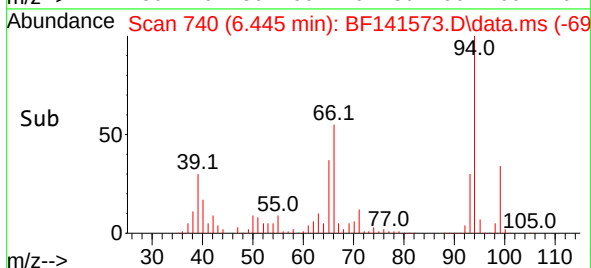
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

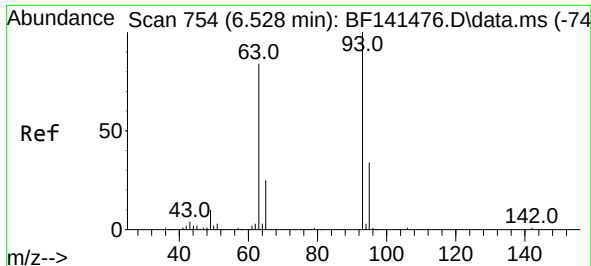


#10
Phenol
Concen: 44.515 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion: 94 Resp: 289881
Ion Ratio Lower Upper
94 100
65 36.7 23.7 63.7
66 55.3 49.3 89.3





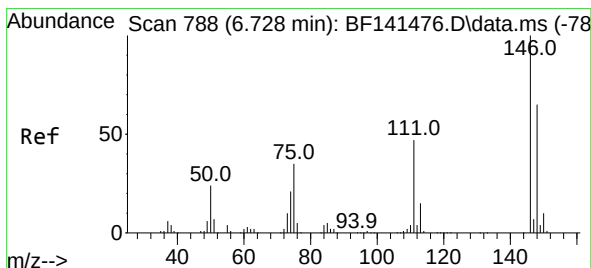
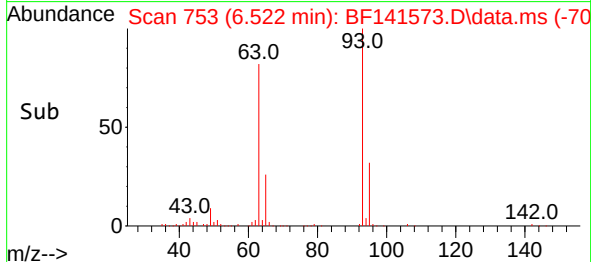
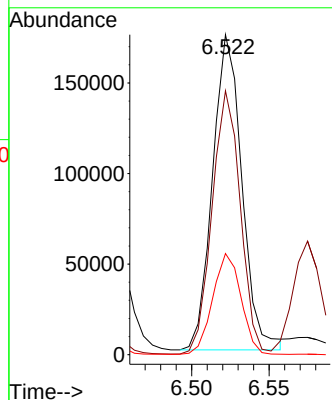
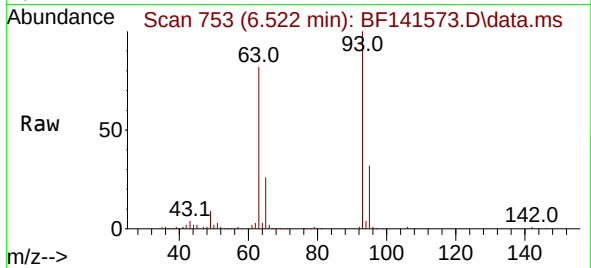
#11
bis(2-Chloroethyl)ether
Concen: 46.807 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS

Tgt Ion: 93 Resp: 22894
Ion Ratio Lower Upper
93 100
63 82.4 62.0 102.0
95 31.6 12.6 52.6

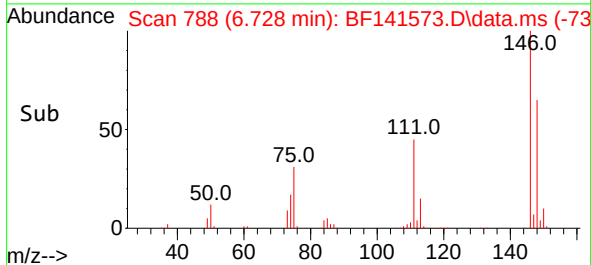
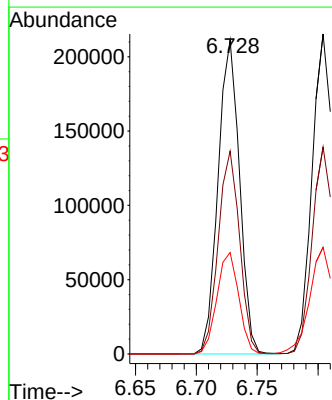
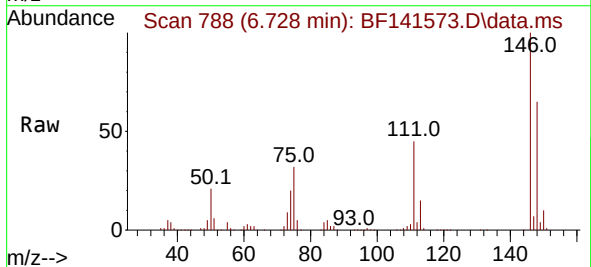
Manual Integrations
APPROVED

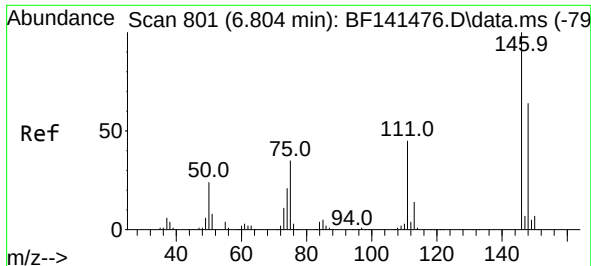
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#12
1,3-Dichlorobenzene
Concen: 45.916 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

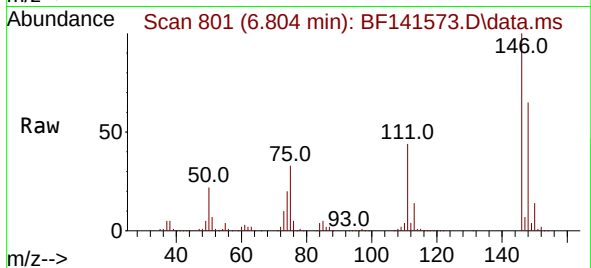
Tgt Ion:146 Resp: 259287
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
75 32.3 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 45.940 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

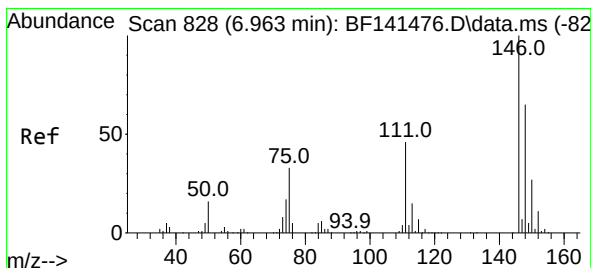
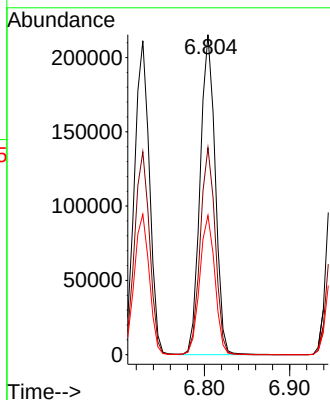
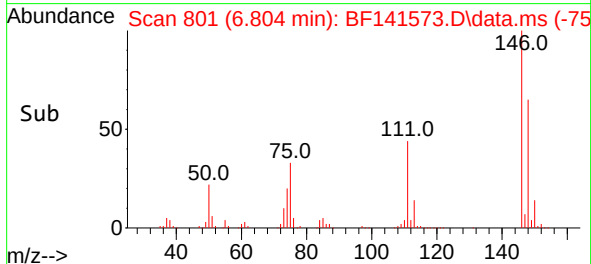
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



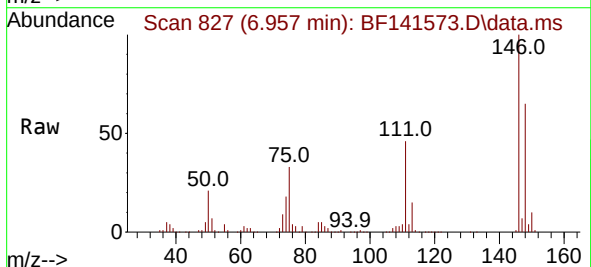
Tgt Ion:146 Resp: 26505
Ion Ratio Lower Upper
146 100
148 64.7 50.9 76.3
111 43.5 35.9 53.9

Manual Integrations
APPROVED

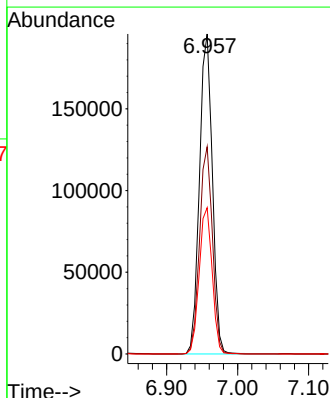
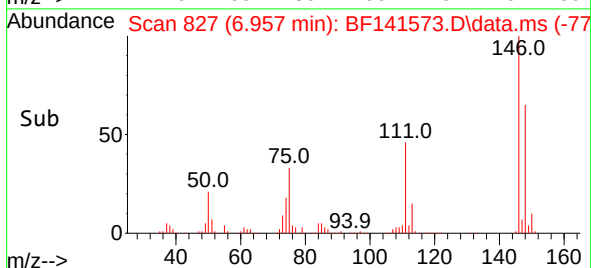
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

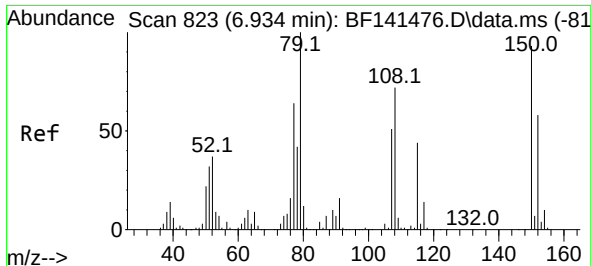


#14
1,2-Dichlorobenzene
Concen: 46.366 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



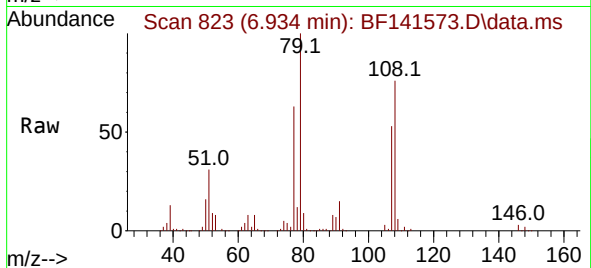
Tgt Ion:146 Resp: 248283
Ion Ratio Lower Upper
146 100
148 64.8 51.8 77.6
111 45.7 37.0 55.4





#15
Benzyl Alcohol
Concen: 43.350 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

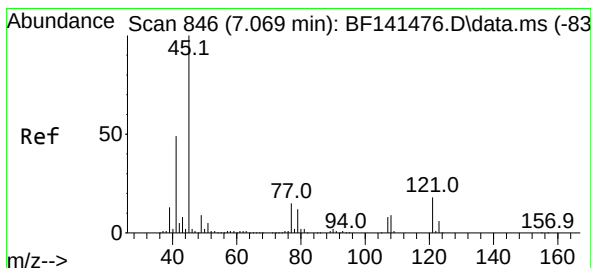
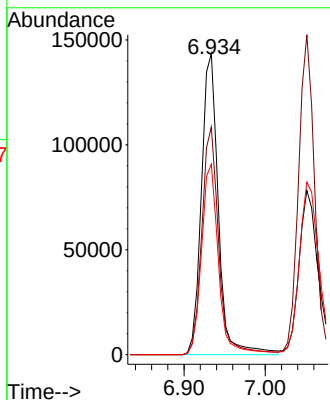
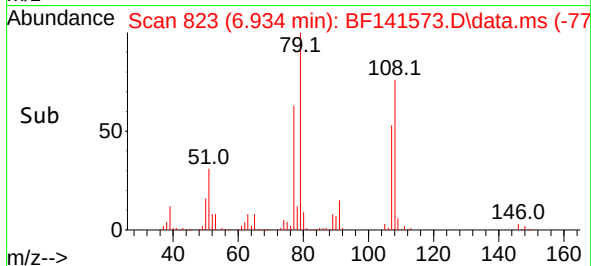
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



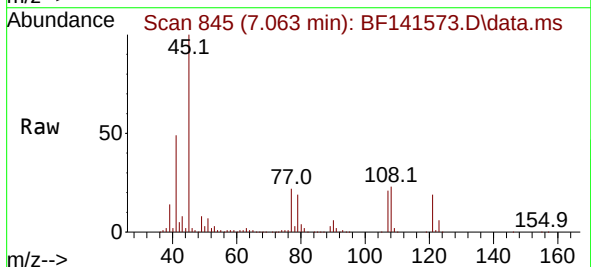
Tgt Ion: 79 Resp: 207989
Ion Ratio Lower Upper
79 100
108 75.6 57.4 86.2
77 63.3 50.9 76.3

Manual Integrations
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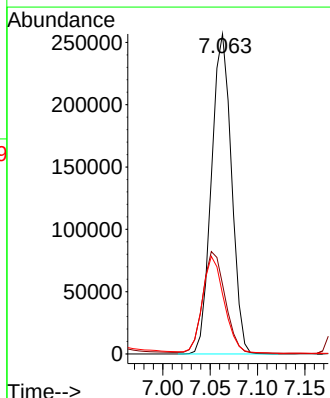
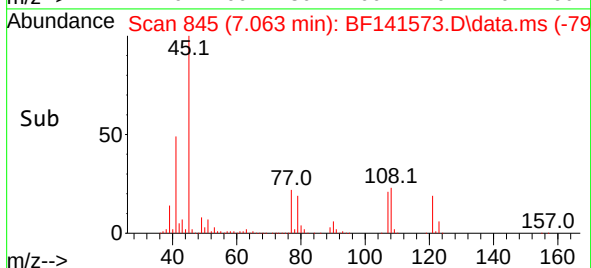
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

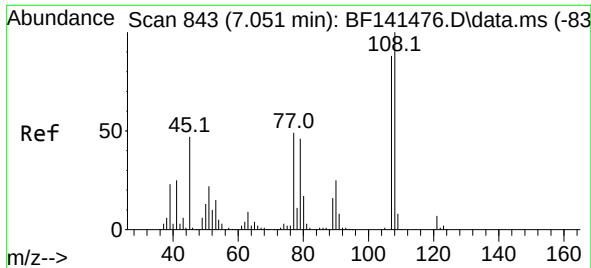


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.972 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



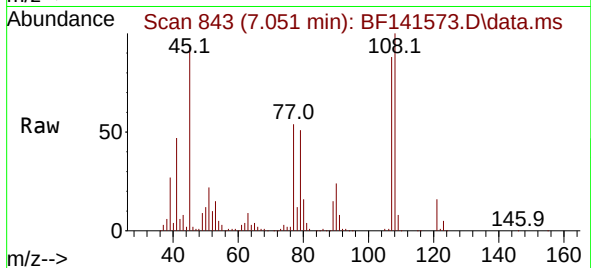
Tgt Ion: 45 Resp: 376546
Ion Ratio Lower Upper
45 100
77 21.8 0.0 35.8
79 18.7 0.0 32.7





#17
2-Methylphenol
Concen: 44.695 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

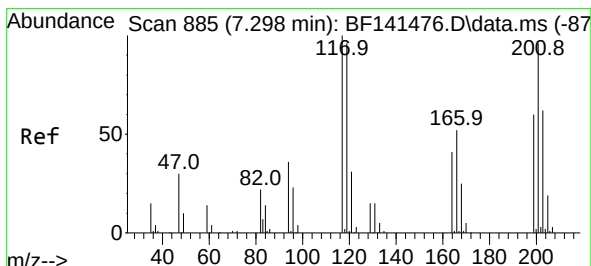
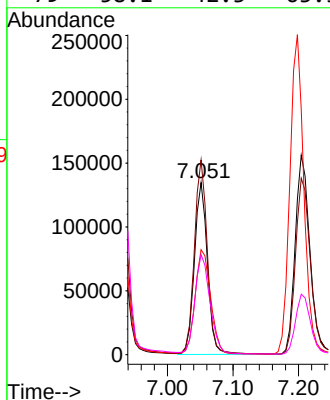
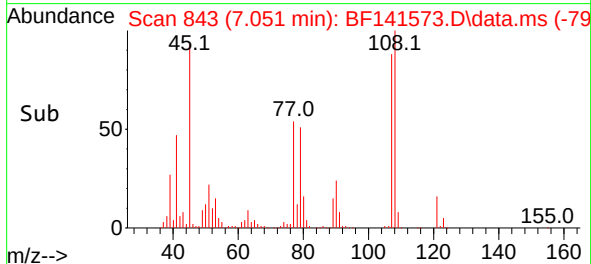
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



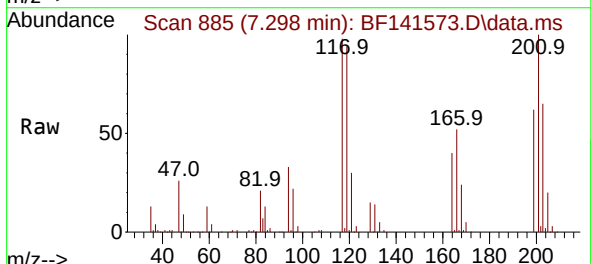
Tgt Ion:107 Resp: 187088
Ion Ratio Lower Upper
107 100
108 113.2 90.6 136.0
77 61.0 44.4 66.6
79 58.1 42.3 63.5

Manual Integrations
APPROVED

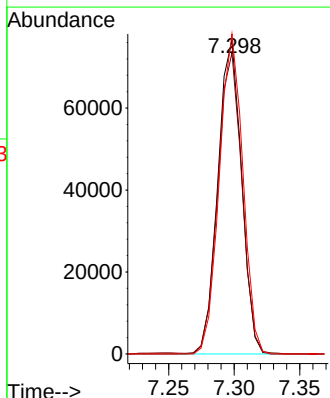
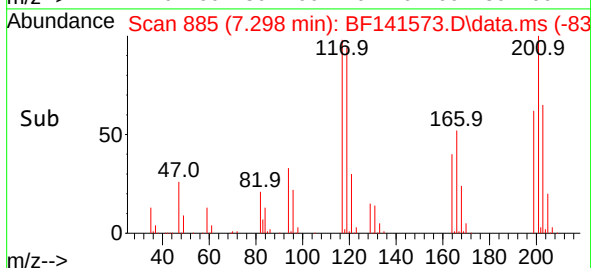
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

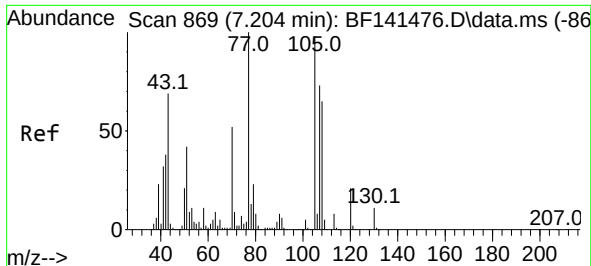


#18
Hexachloroethane
Concen: 44.963 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



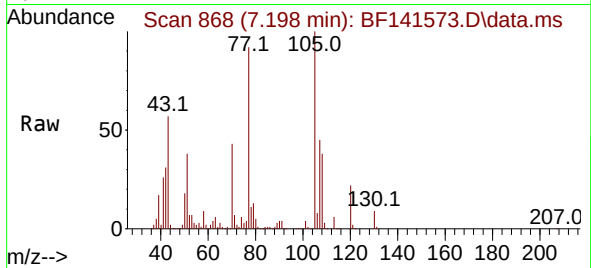
Tgt Ion:117 Resp: 96008
Ion Ratio Lower Upper
117 100
119 96.0 76.5 114.7
201 102.0 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 44.808 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

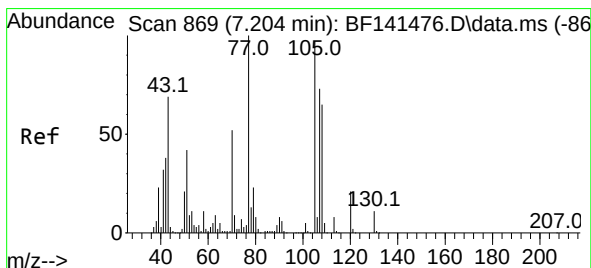
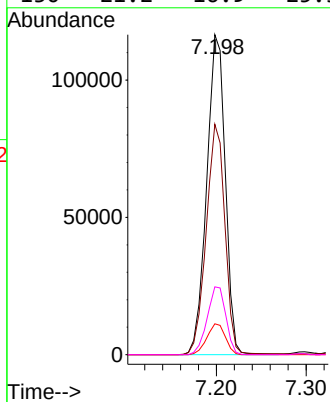
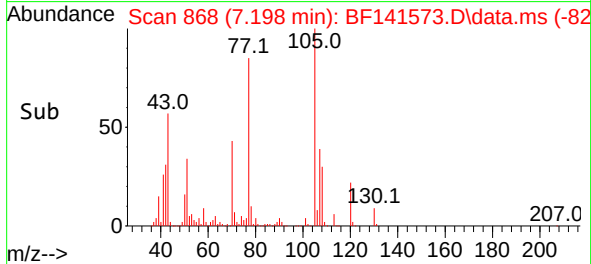
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



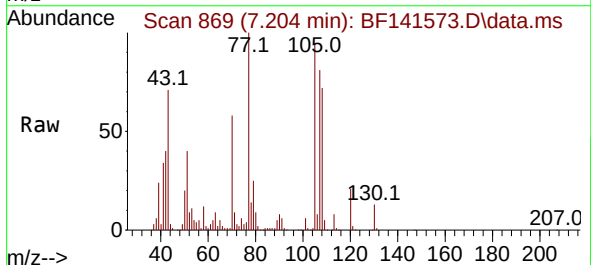
Tgt Ion: 70 Resp: 16769
Ion Ratio Lower Upper
70 100
42 72.0 57.4 86.2
101 9.6 8.0 12.0
130 21.2 16.9 25.3

Manual Integrations
APPROVED

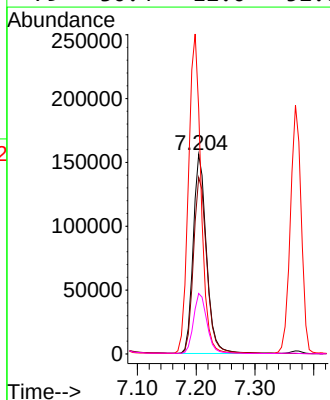
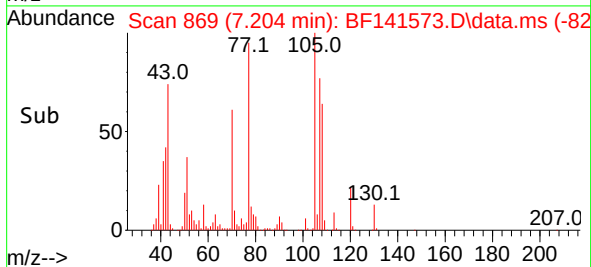
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

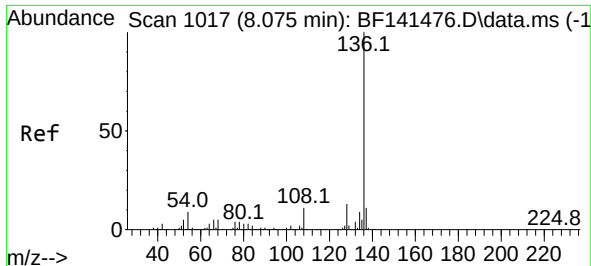


#20
3+4-Methylphenols
Concen: 46.031 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



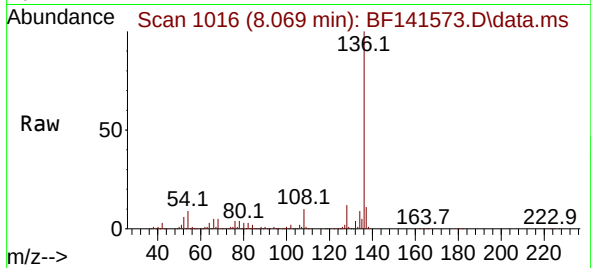
Tgt Ion:107 Resp: 244866
Ion Ratio Lower Upper
107 100
108 88.4 68.5 108.5
77 123.0 116.5 156.5
79 30.4 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

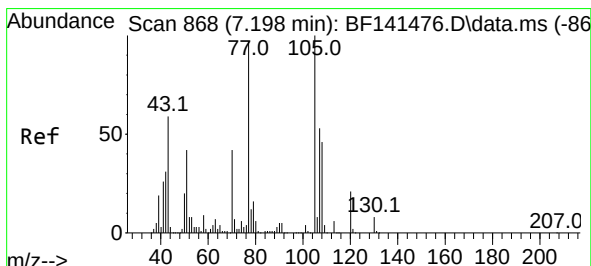
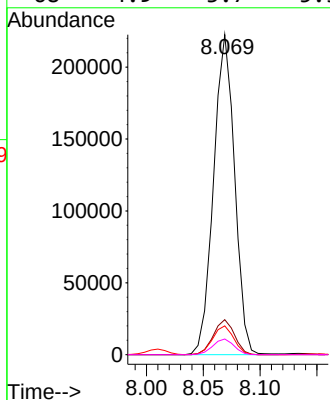
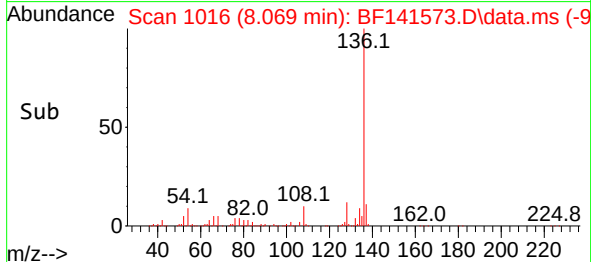
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



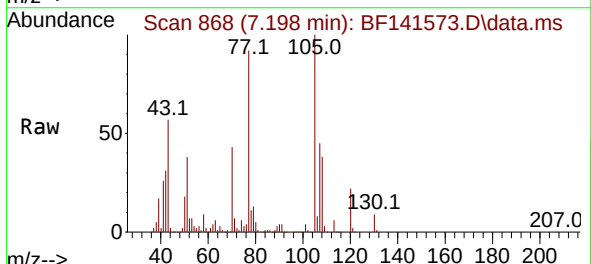
Tgt Ion:136 Resp: 287160
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5

Manual Integrations
APPROVED

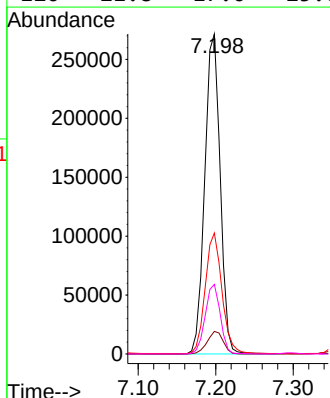
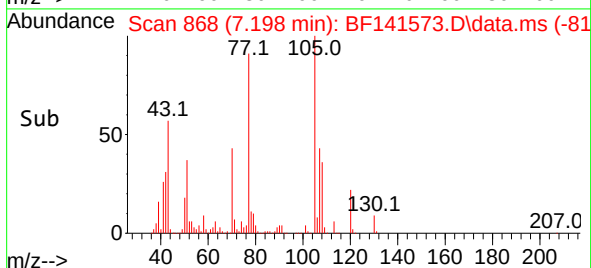
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

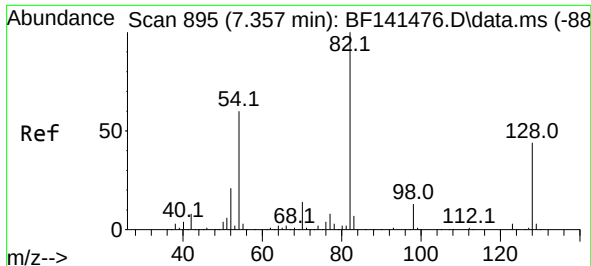


#22
Acetophenone
Concen: 52.595 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion:105 Resp: 375710
Ion Ratio Lower Upper
105 100
71 7.1 5.7 8.5
51 37.8 33.7 50.5
120 21.8 17.0 25.6





#23

Nitrobenzene-d5

Concen: 72.209 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MS

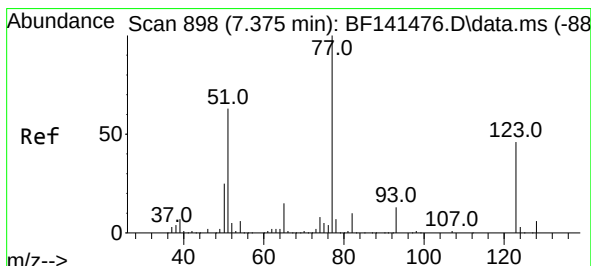
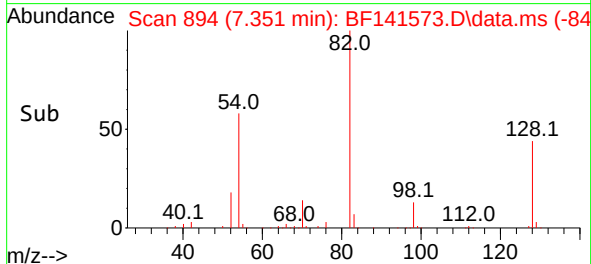
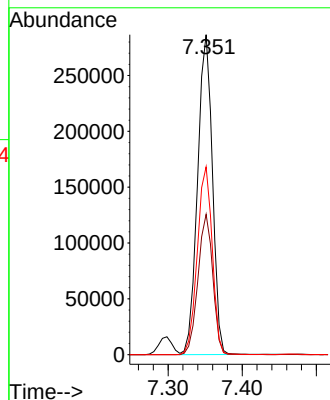
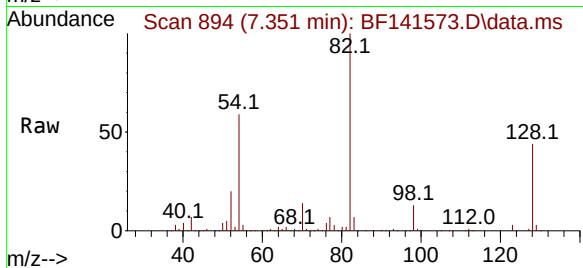
Tgt Ion: 82 Resp: 397558

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.8	52.2
54	58.7	48.2	72.4

Manual Integrations
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Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#24

Nitrobenzene

Concen: 46.376 ng

RT: 7.369 min Scan# 897

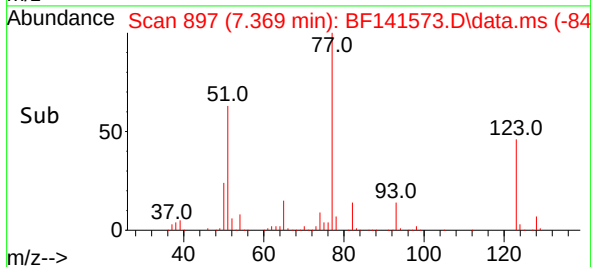
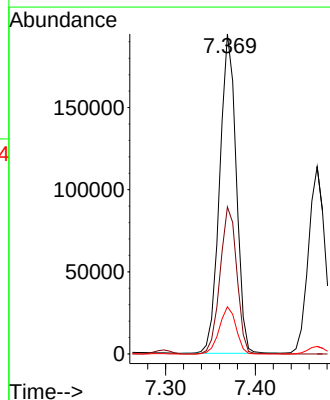
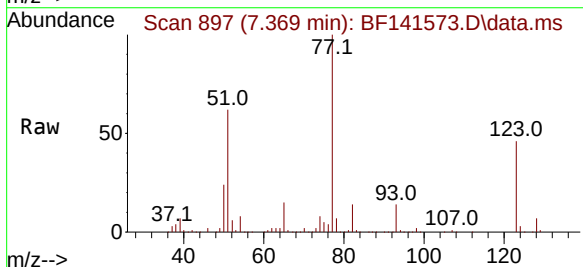
Delta R.T. -0.012 min

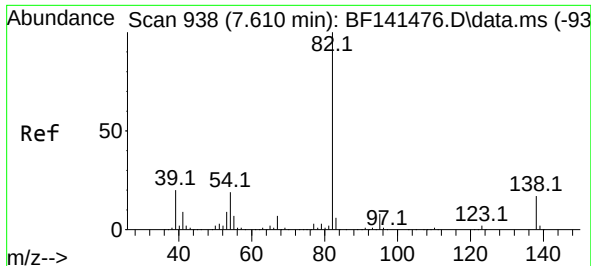
Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

Tgt Ion: 77 Resp: 248977

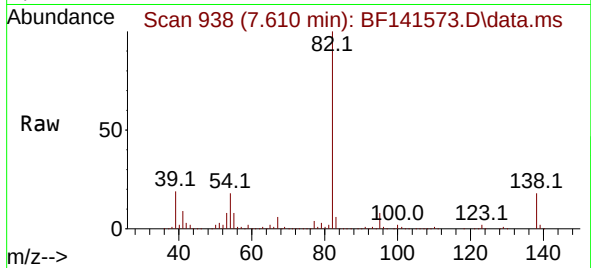
Ion	Ratio	Lower	Upper
77	100		
123	46.0	36.9	55.3
65	14.8	11.9	17.9





#25
Isophorone
Concen: 50.000 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

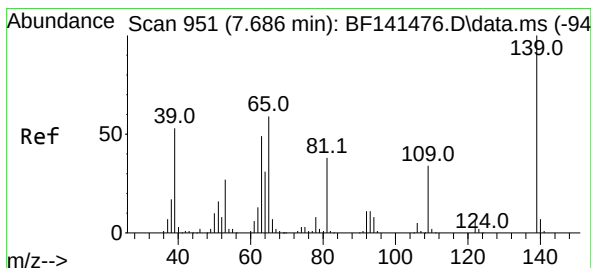
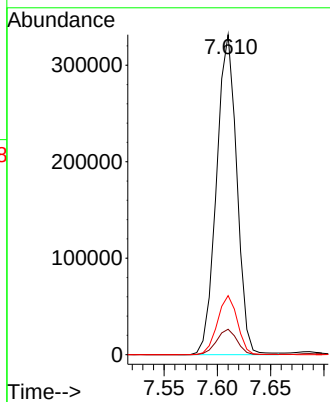
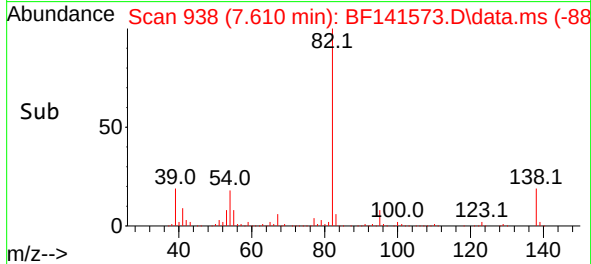
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion: 82 Resp: 438930
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.4 13.9 20.9

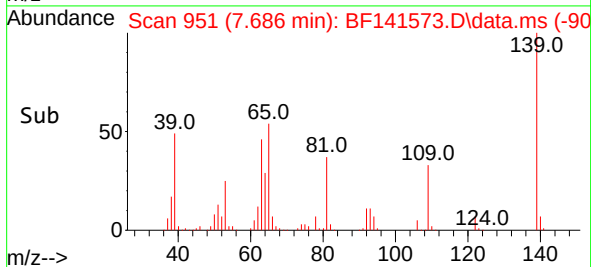
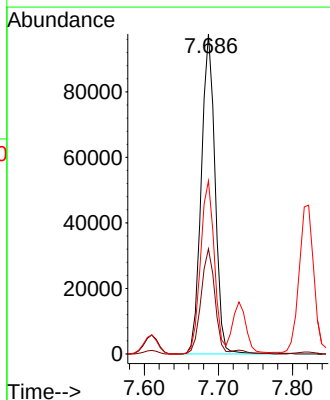
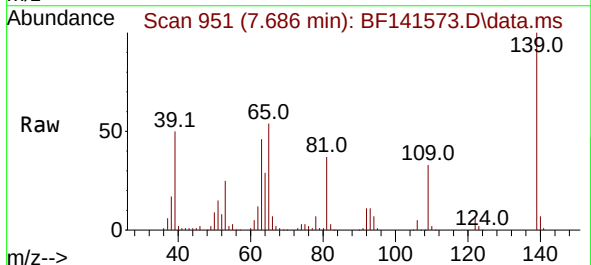
Manual Integrations
APPROVED

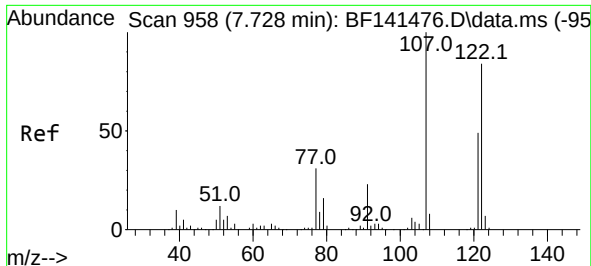
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#26
2-Nitrophenol
Concen: 47.159 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

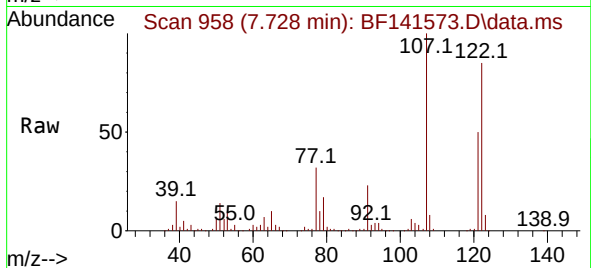
Tgt Ion:139 Resp: 125964
Ion Ratio Lower Upper
139 100
109 32.8 27.0 40.6
65 54.1 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 58.682 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

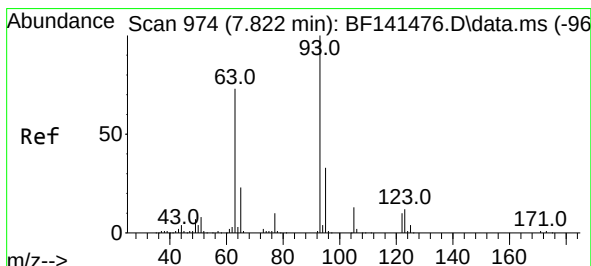
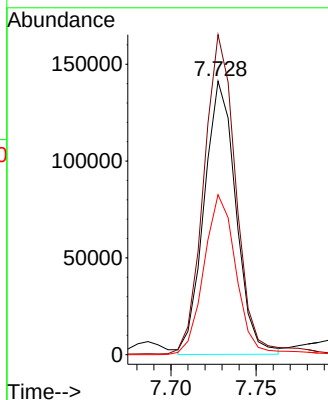
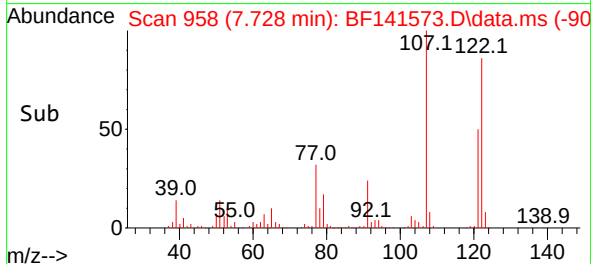
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



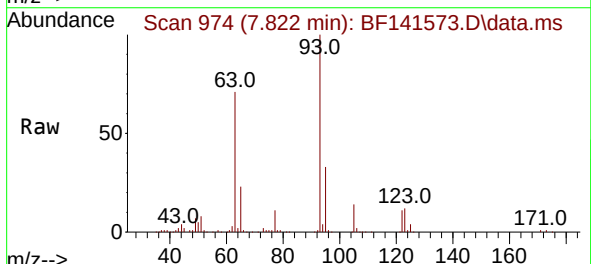
Tgt Ion:122 Resp: 18310
Ion Ratio Lower Upper
122 100
107 117.0 94.3 141.5
121 58.5 46.0 69.0

Manual Integrations
APPROVED

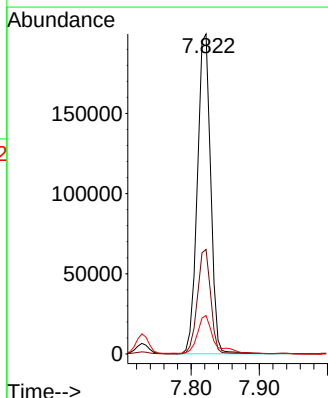
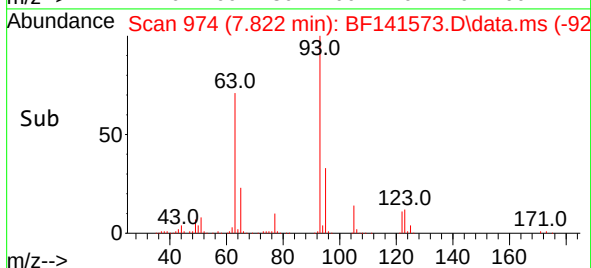
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

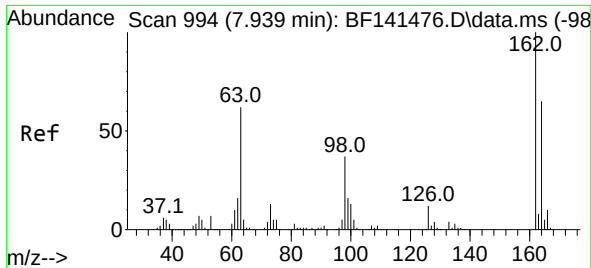


#28
bis(2-Chloroethoxy)methane
Concen: 48.029 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



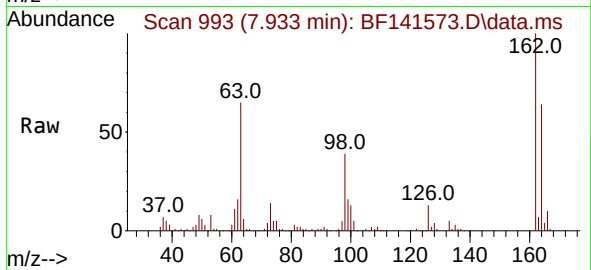
Tgt Ion: 93 Resp: 270172
Ion Ratio Lower Upper
93 100
95 32.7 26.1 39.1
123 12.0 9.5 14.3





#29
2,4-Dichlorophenol
Concen: 46.252 ng
RT: 7.933 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

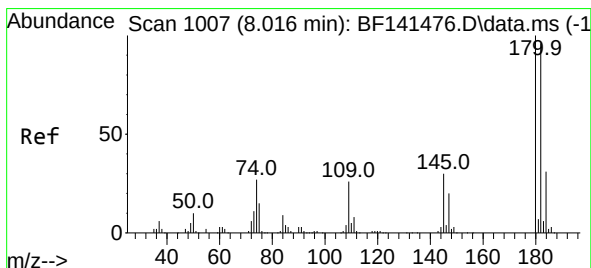
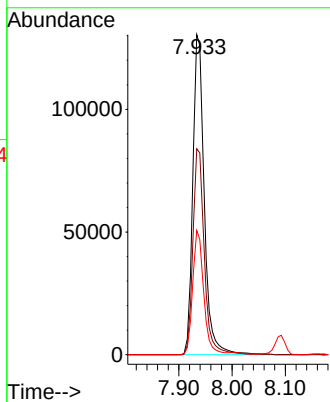
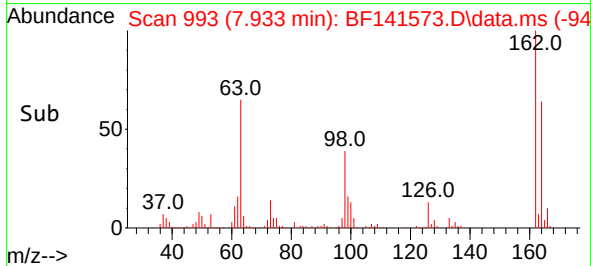
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



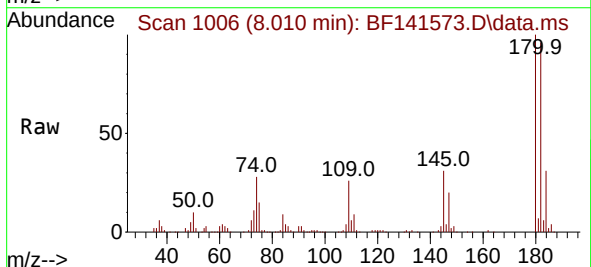
Tgt Ion:162 Resp: 194999
Ion Ratio Lower Upper
162 100
164 64.4 44.6 84.6
98 38.8 17.2 57.2

Manual Integrations
APPROVED

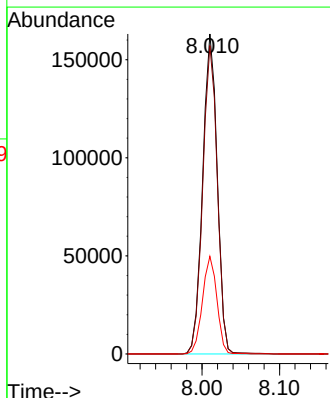
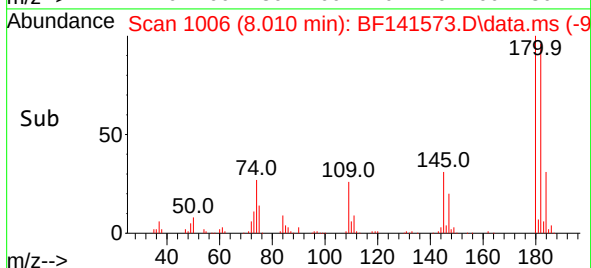
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

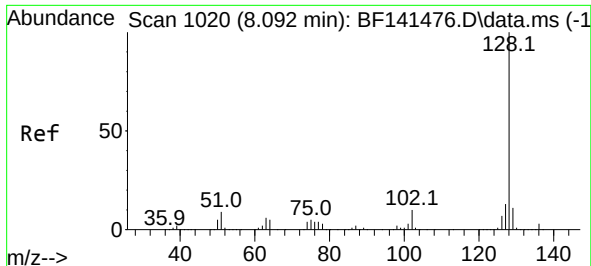


#30
1,2,4-Trichlorobenzene
Concen: 46.353 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



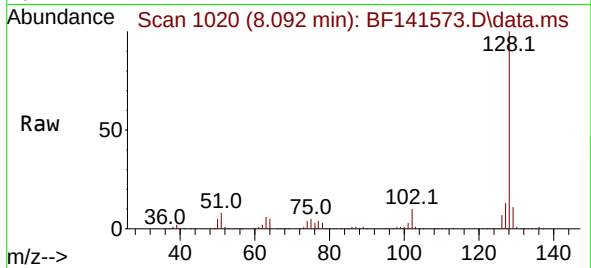
Tgt Ion:180 Resp: 212812
Ion Ratio Lower Upper
180 100
182 96.4 76.8 115.2
145 30.5 24.2 36.4





#31
Naphthalene
Concen: 47.100 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

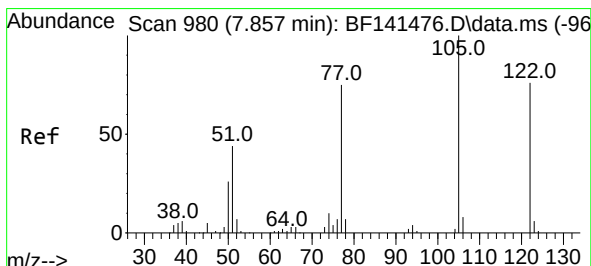
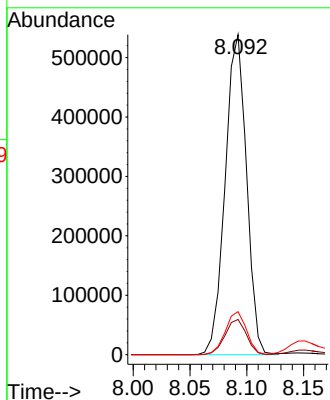
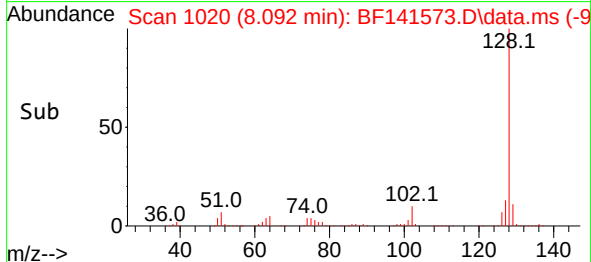
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



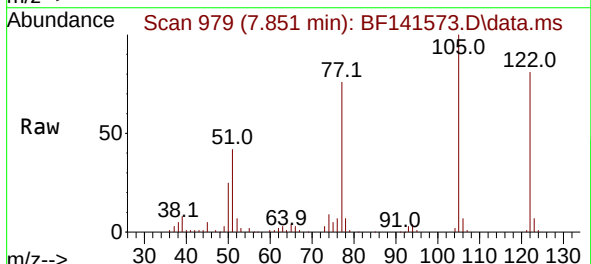
Tgt Ion:128 Resp: 70405
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.7 16.1

Manual Integrations
APPROVED

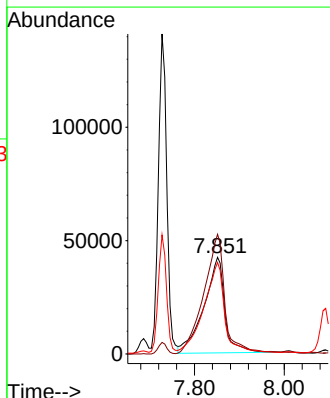
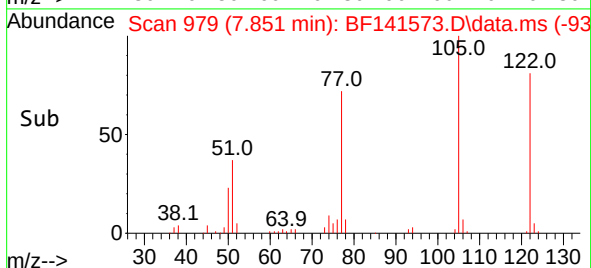
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

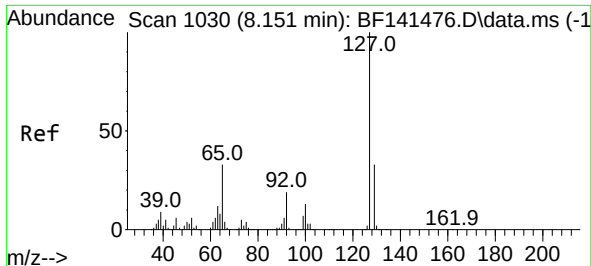


#32
Benzoic acid
Concen: 42.116 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion:122 Resp: 136502
Ion Ratio Lower Upper
122 100
105 123.9 106.5 146.5
77 94.7 76.3 116.3





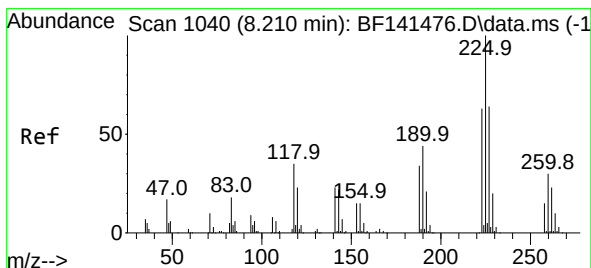
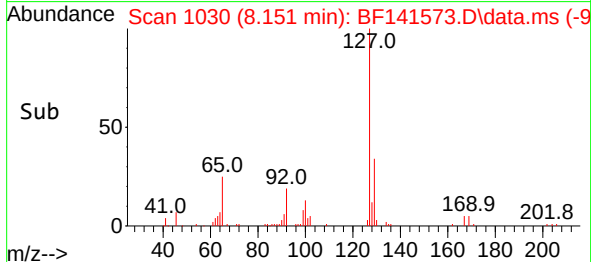
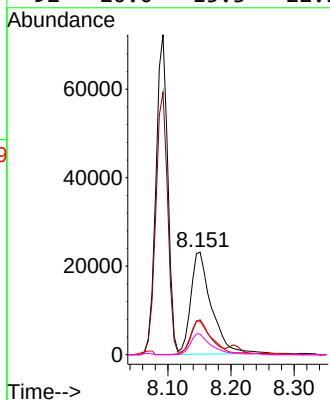
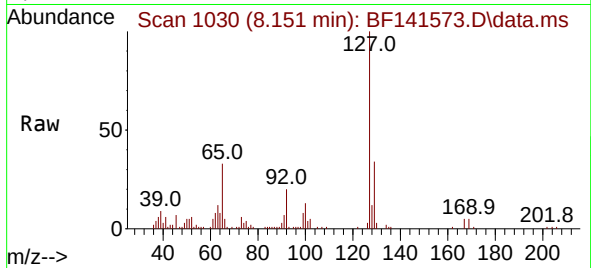
#33
4-Chloroaniline
Concen: 10.043 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS

Tgt Ion:	127	Resp:	5241
Ion Ratio	Lower	Upper	
127	100		
129	34.0	26.5	39.7
65	32.6	26.4	39.6
92	20.0	15.3	22.9

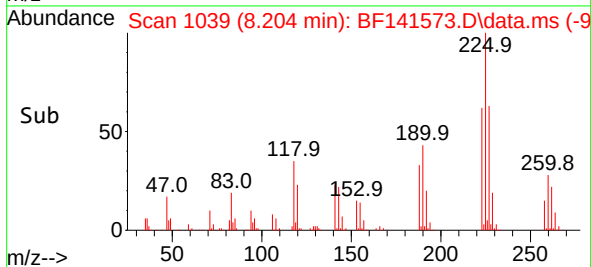
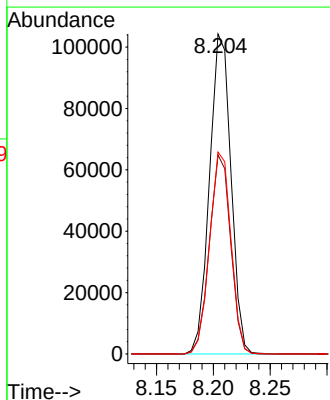
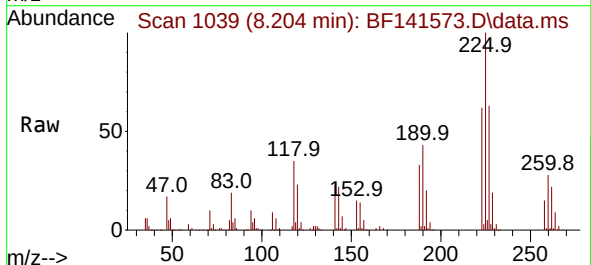
Manual Integrations
APPROVED

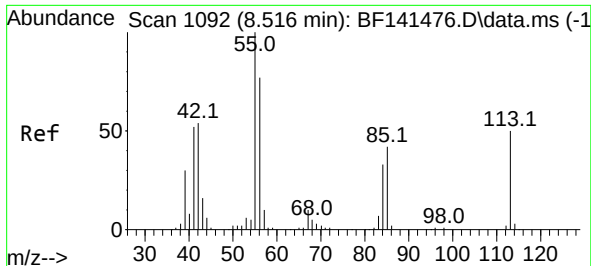
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#34
Hexachlorobutadiene
Concen: 49.634 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:	225	Resp:	136802
Ion Ratio	Lower	Upper	
225	100		
223	62.1	50.1	75.1
227	63.1	51.0	76.6





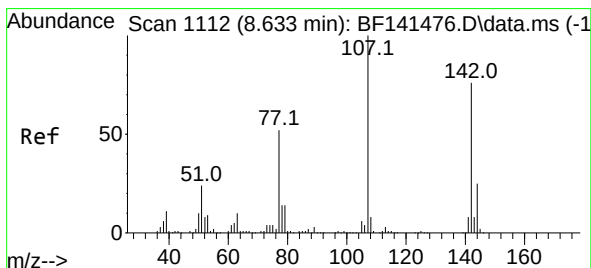
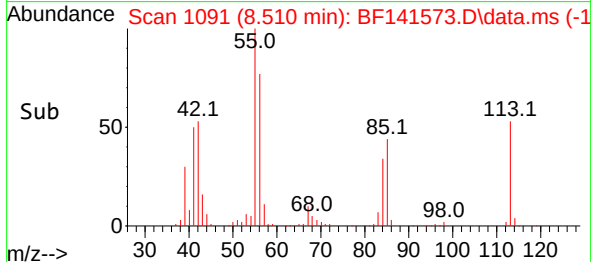
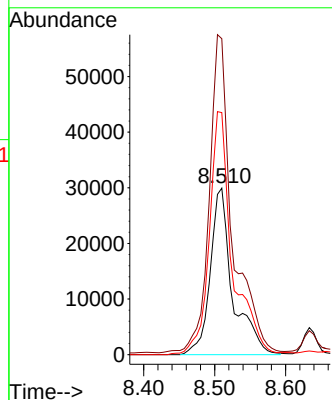
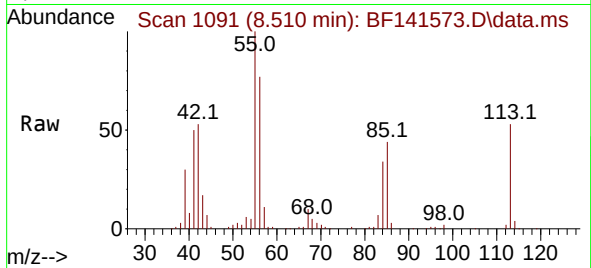
#35
Caprolactam
Concen: 51.251 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS

Tgt Ion:113 Resp: 6578
Ion Ratio Lower Upper
113 100
55 189.8 180.8 220.8
56 145.4 133.6 173.6

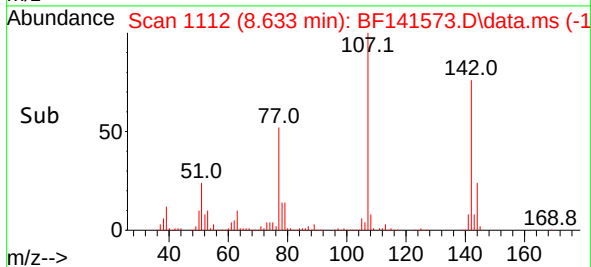
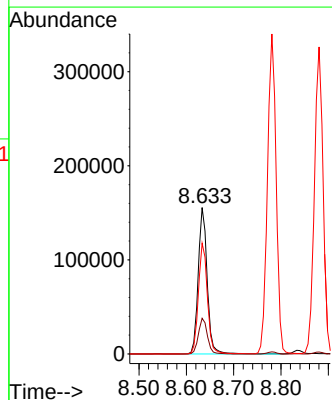
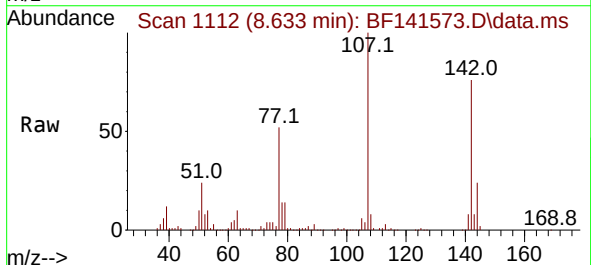
Manual Integrations
APPROVED

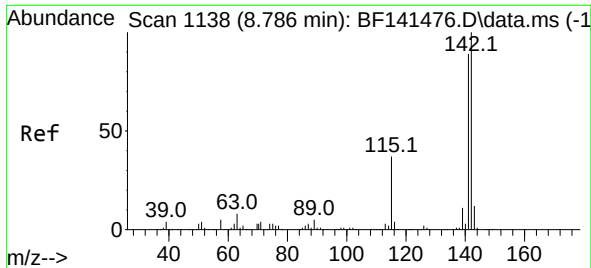
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#36
4-Chloro-3-methylphenol
Concen: 43.895 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

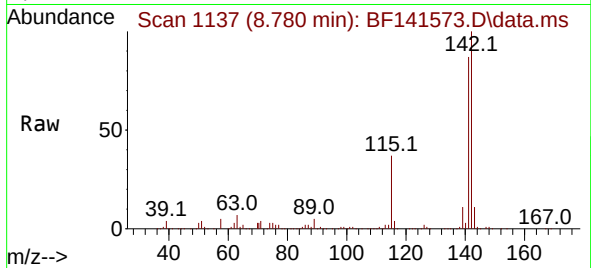
Tgt Ion:107 Resp: 204996
Ion Ratio Lower Upper
107 100
144 24.4 19.7 29.5
142 75.6 60.8 91.2





#37
2-Methylnaphthalene
Concen: 44.652 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

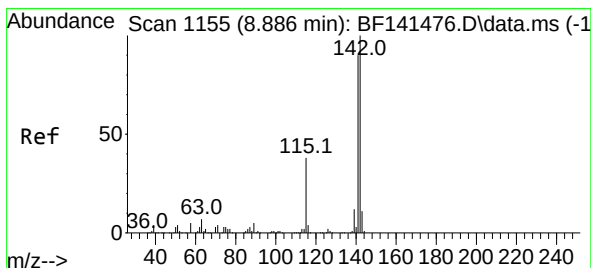
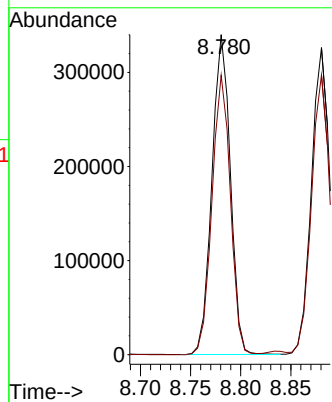
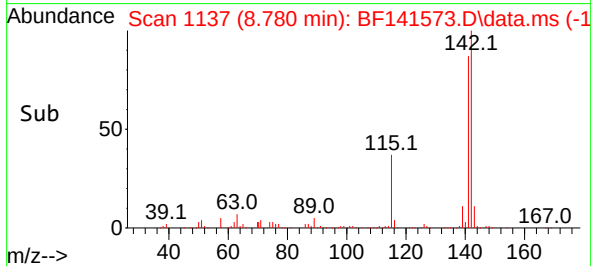
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



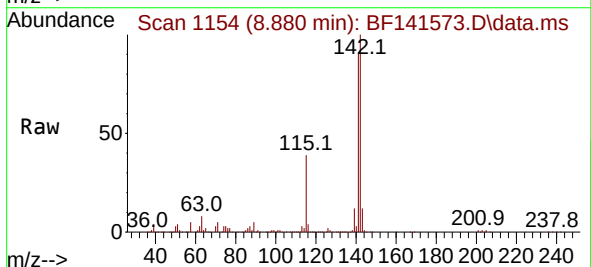
Tgt Ion:142 Resp: 43434
Ion Ratio Lower Upper
142 100
141 87.3 71.2 106.8

Manual Integrations
APPROVED

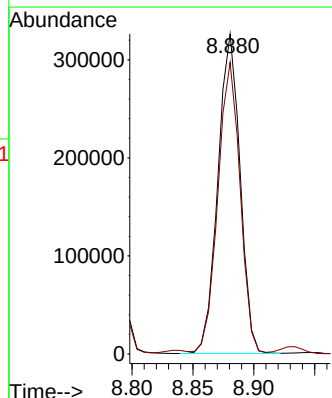
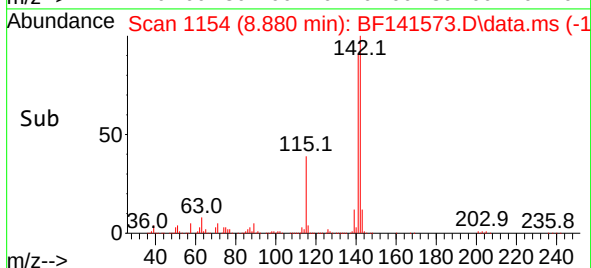
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

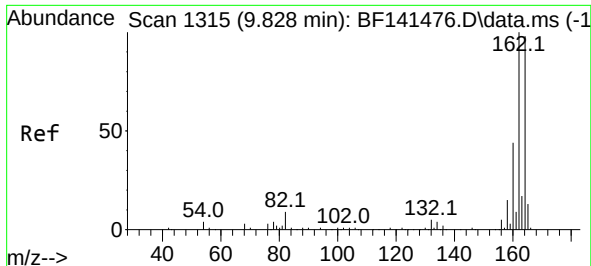


#38
1-Methylnaphthalene
Concen: 43.831 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



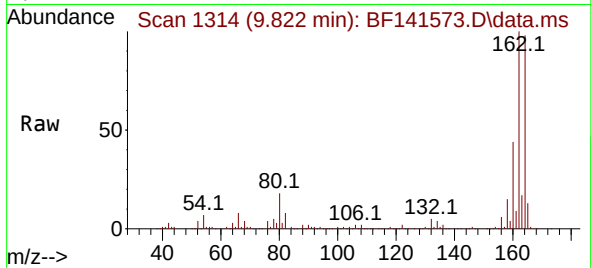
Tgt Ion:142 Resp: 412932
Ion Ratio Lower Upper
142 100
141 91.1 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

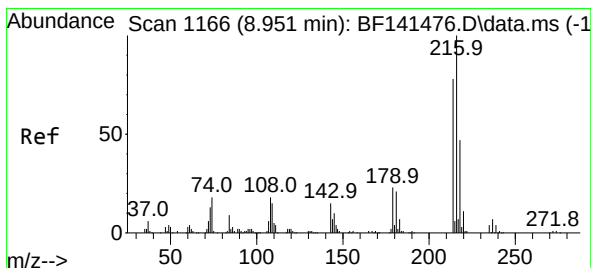
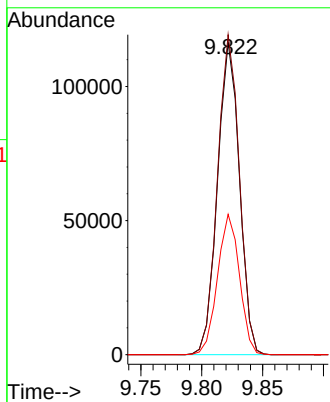
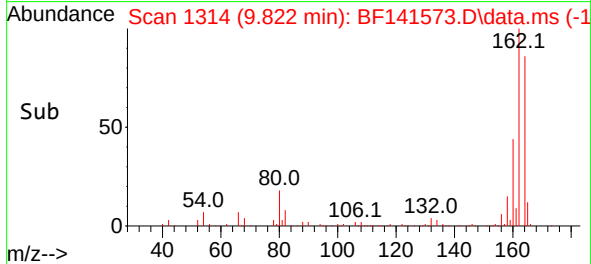
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



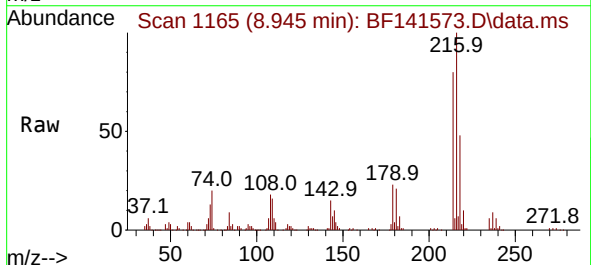
Tgt Ion:164 Resp: 14578
Ion Ratio Lower Upper
164 100
162 102.5 81.3 121.9
160 45.0 35.9 53.9

Manual Integrations
APPROVED

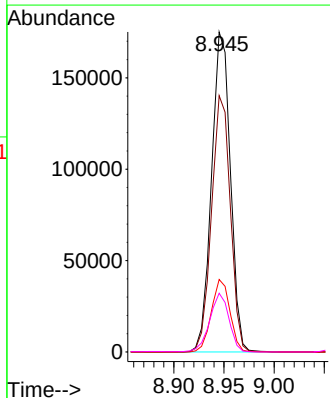
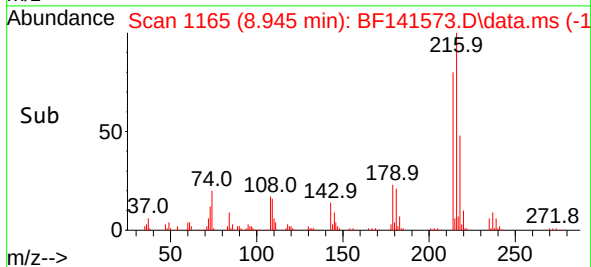
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

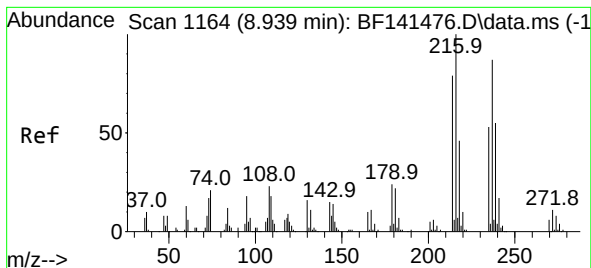


#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.076 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion:216 Resp: 228072
Ion Ratio Lower Upper
216 100
214 79.9 62.3 93.5
179 22.3 18.0 27.0
108 18.9 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 54.979 ng

RT: 8.933 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MS

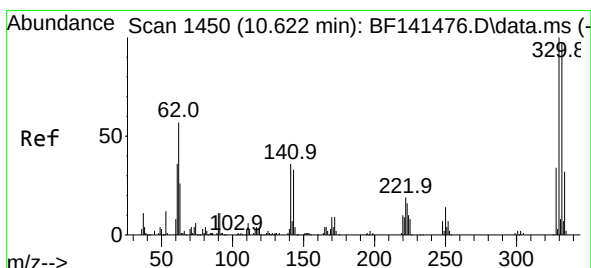
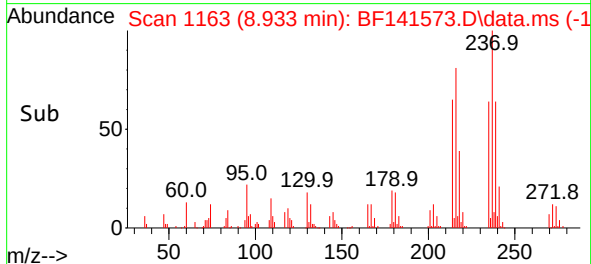
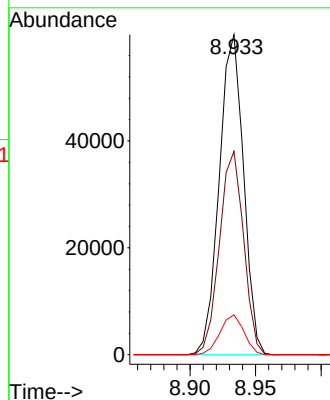
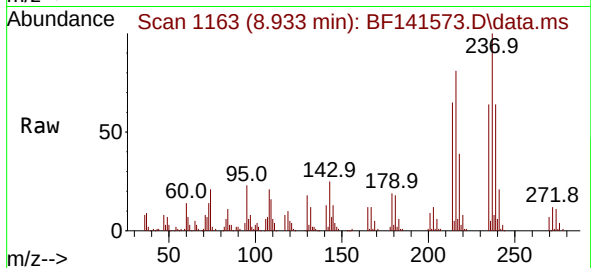
Tgt Ion:	237	Resp:	77120
Ion Ratio	Lower	Upper	
237	100		
235	63.5	41.4	81.4
272	12.4	0.0	32.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#42

2,4,6-Tribromophenol

Concen: 90.230 ng

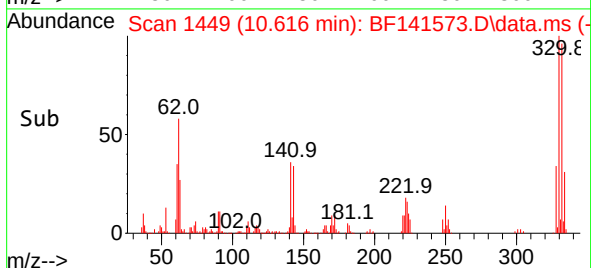
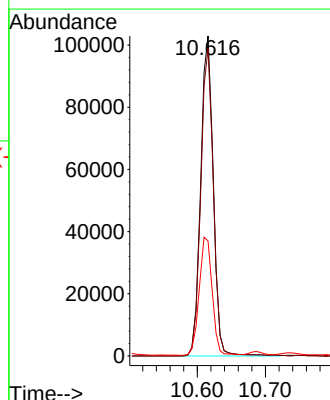
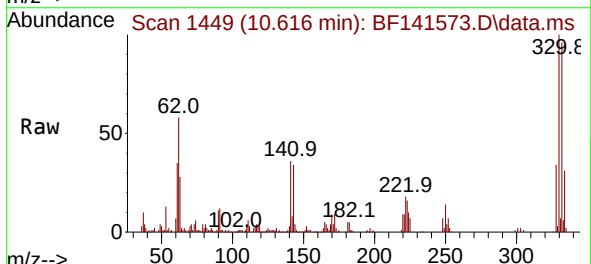
RT: 10.616 min Scan# 1449

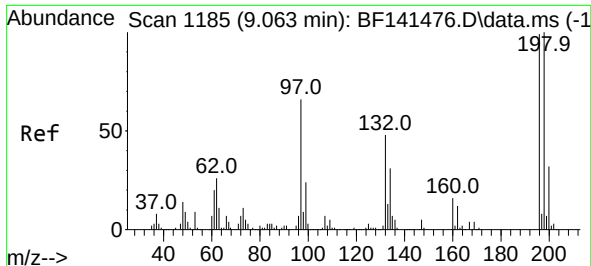
Delta R.T. -0.012 min

Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

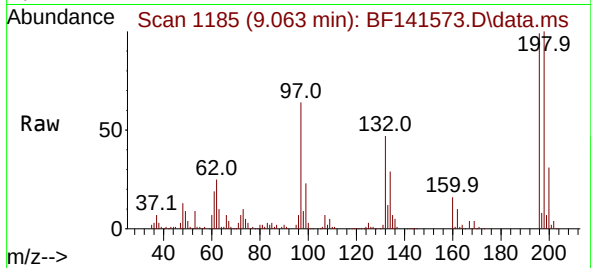
Tgt Ion:	330	Resp:	132136
Ion Ratio	Lower	Upper	
330	100		
332	96.0	78.5	117.7
141	38.0	31.0	46.4





#43
2,4,6-Trichlorophenol
Concen: 46.984 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

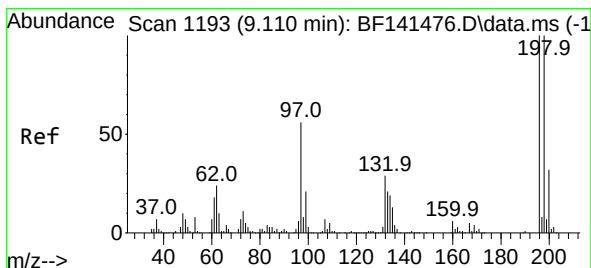
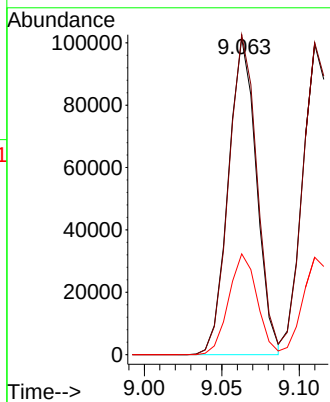
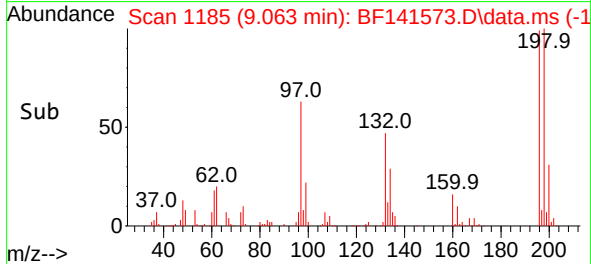
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



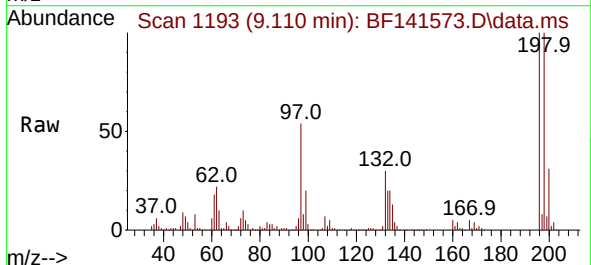
Tgt Ion:196 Resp: 12807
Ion Ratio Lower Upper
196 100
198 101.1 80.6 121.0
200 31.8 25.5 38.3

Manual Integrations
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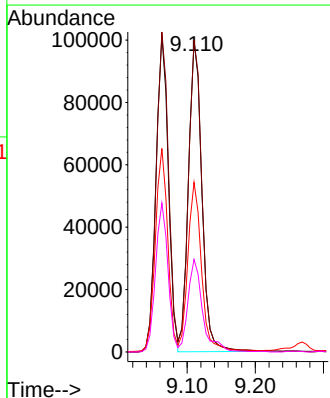
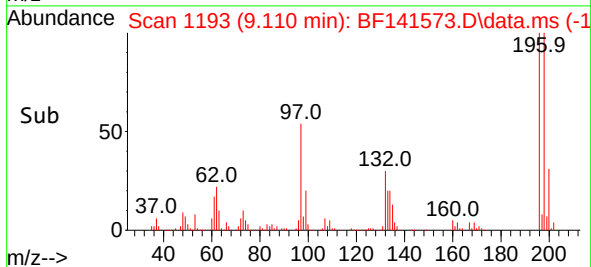
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

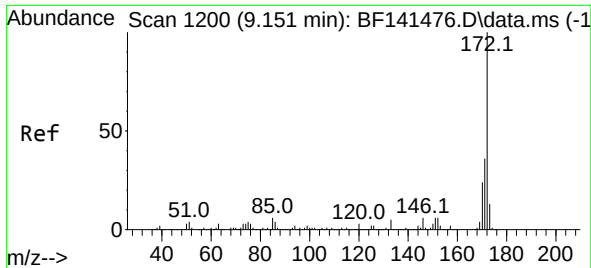


#44
2,4,5-Trichlorophenol
Concen: 45.990 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



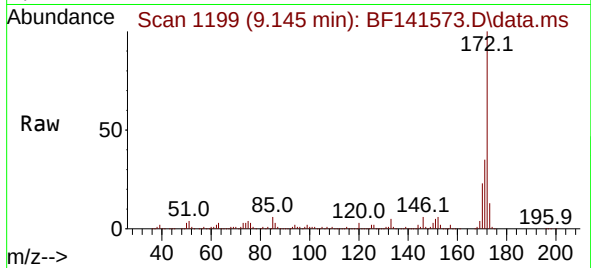
Tgt Ion:196 Resp: 135865
Ion Ratio Lower Upper
196 100
198 100.5 79.8 119.8
97 54.6 44.8 67.2
132 29.8 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 73.176 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

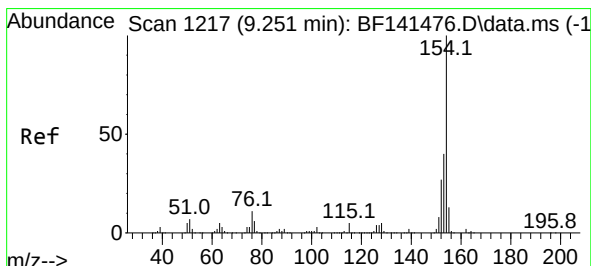
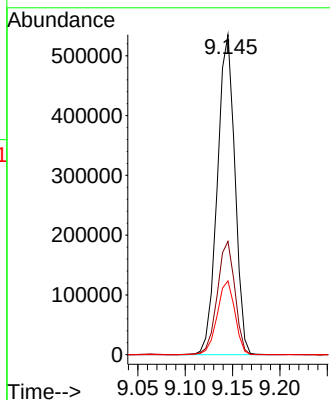
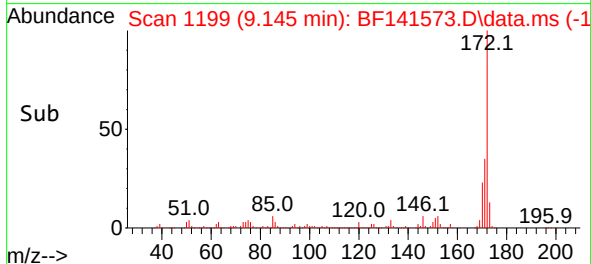
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



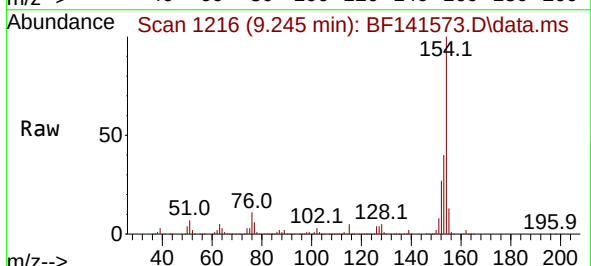
Tgt Ion:172 Resp: 692418
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

Manual Integrations
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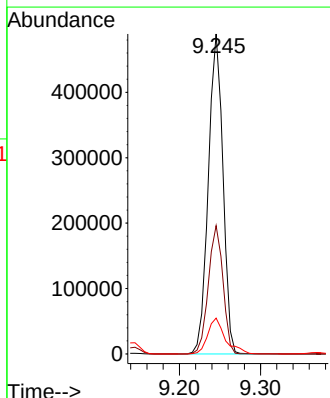
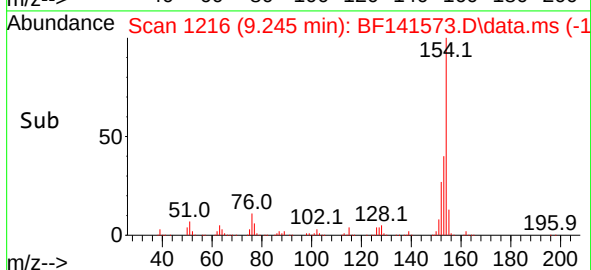
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

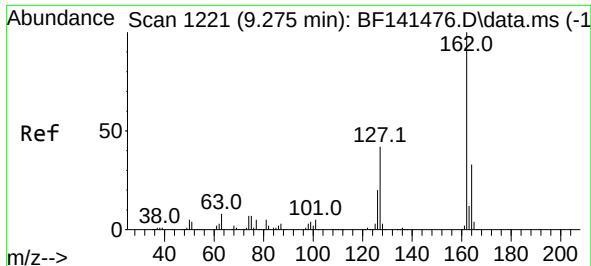


#46
1,1'-Biphenyl
Concen: 53.898 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



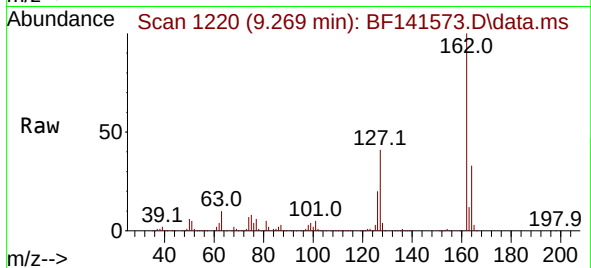
Tgt Ion:154 Resp: 609161
Ion Ratio Lower Upper
154 100
153 40.1 20.4 60.4
76 11.2 0.0 30.8





#47
2-Chloronaphthalene
Concen: 48.838 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

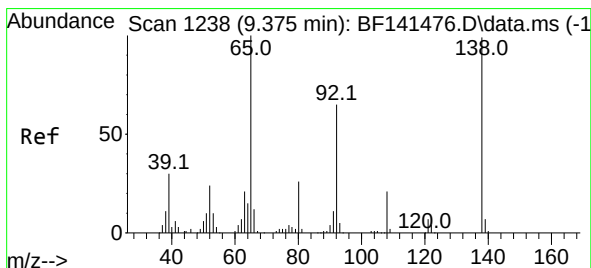
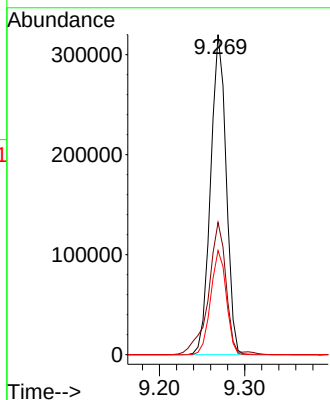
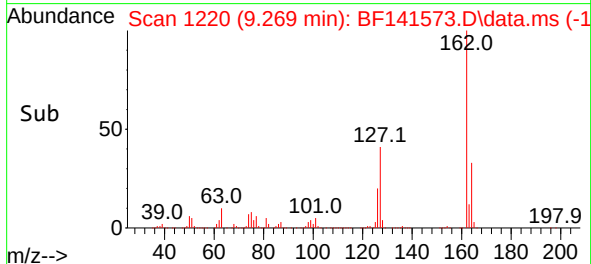
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



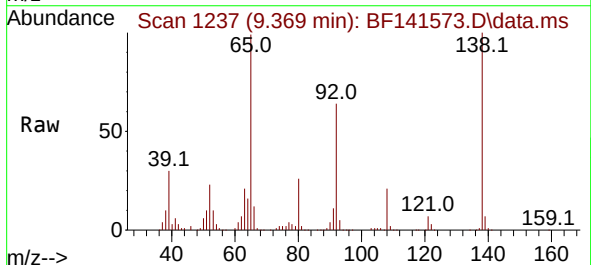
Tgt Ion:162 Resp: 408164
Ion Ratio Lower Upper
162 100
127 41.3 34.1 51.1
164 32.6 26.3 39.5

Manual Integrations
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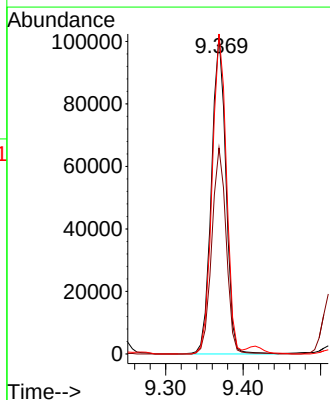
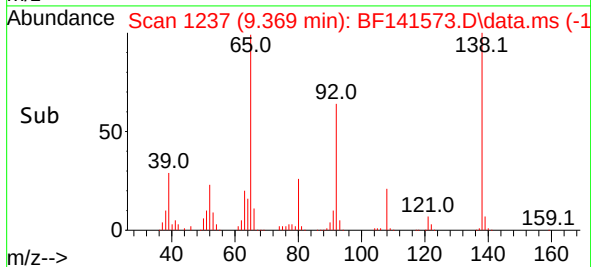
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

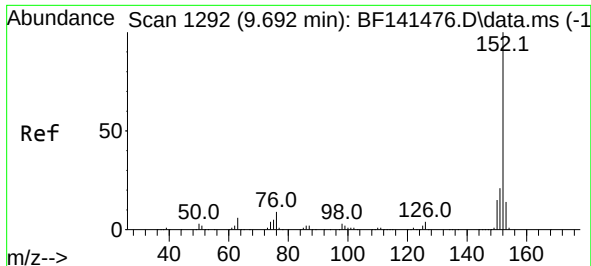


#48
2-Nitroaniline
Concen: 46.820 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



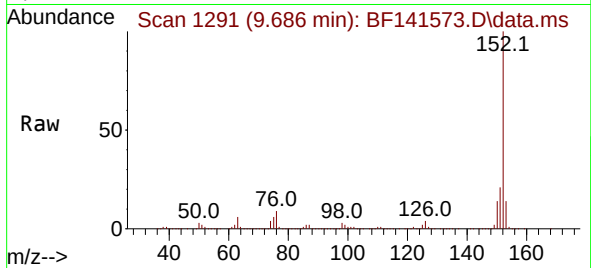
Tgt Ion: 65 Resp: 131322
Ion Ratio Lower Upper
65 100
92 64.8 52.2 78.2
138 100.5 79.5 119.3





#49
Acenaphthylene
Concen: 48.534 ng
RT: 9.686 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

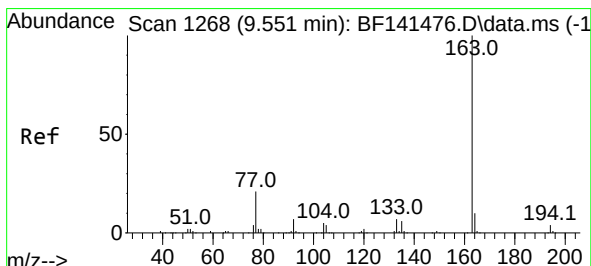
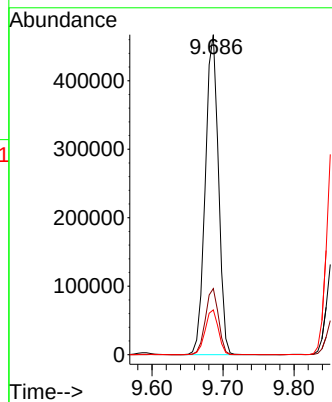
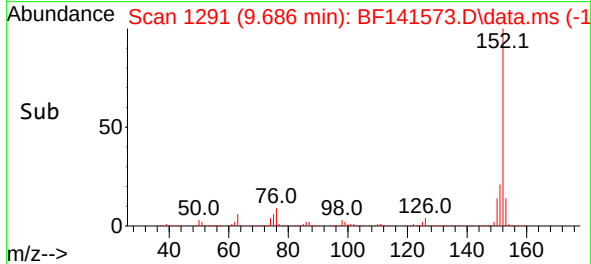
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



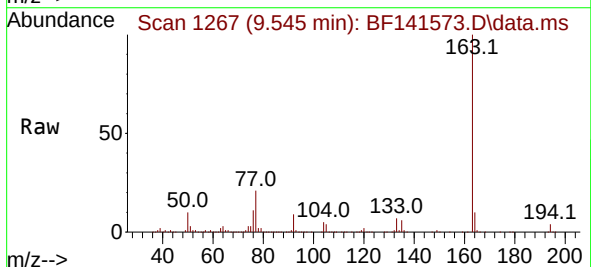
Tgt Ion:152 Resp: 603329
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 14.0 10.9 16.3

Manual Integrations
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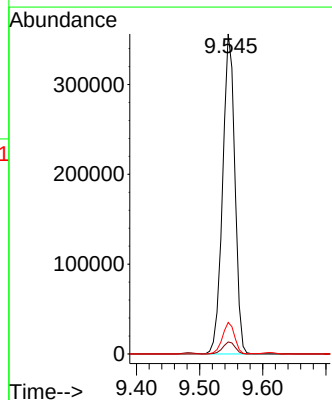
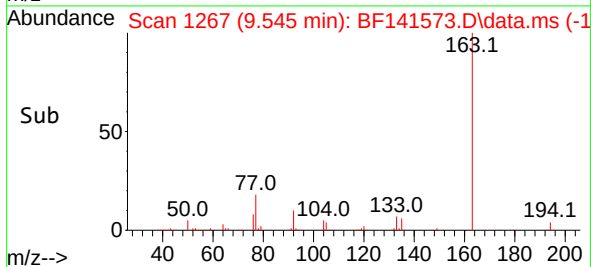
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

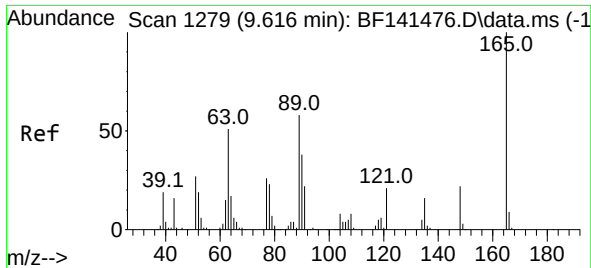


#50
Dimethylphthalate
Concen: 48.758 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



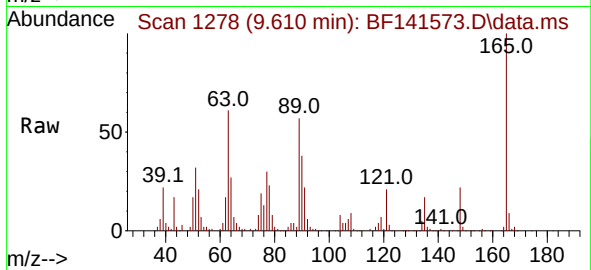
Tgt Ion:163 Resp: 482543
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 47.256 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

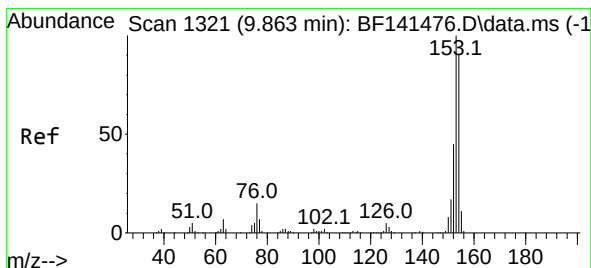
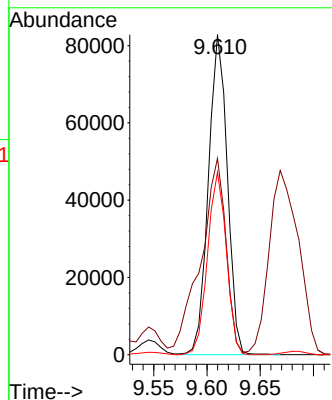
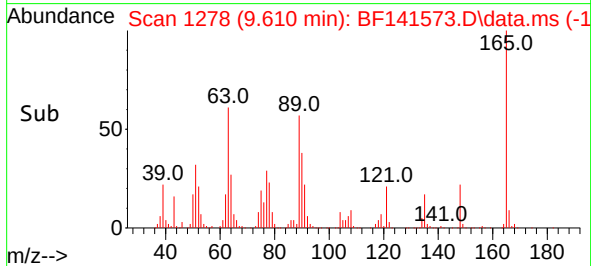
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:165 Resp: 102238
Ion Ratio Lower Upper
165 100
63 61.4 49.4 74.0
89 57.0 46.5 69.7

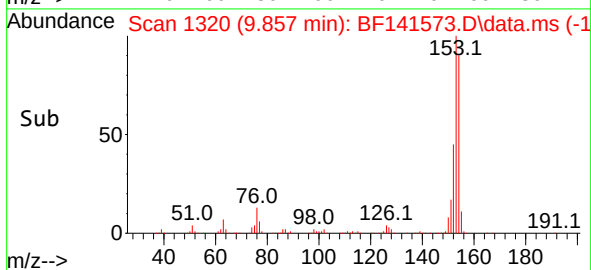
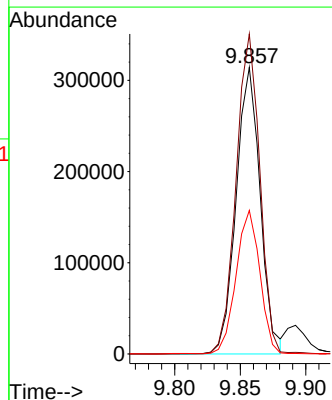
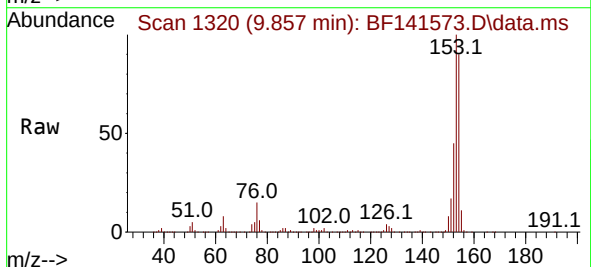
Manual Integrations
APPROVED

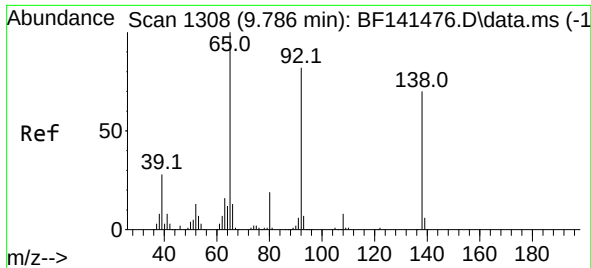
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 48.093 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

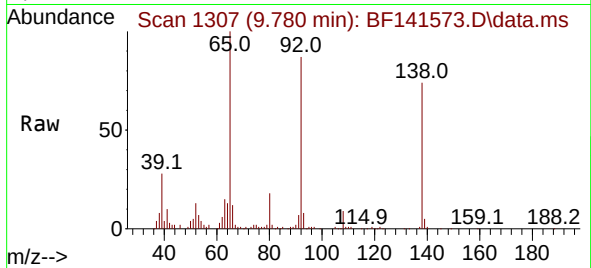
Tgt Ion:154 Resp: 401919
Ion Ratio Lower Upper
154 100
153 111.7 89.2 133.8
152 50.1 39.8 59.8





#53
3-Nitroaniline
Concen: 21.873 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

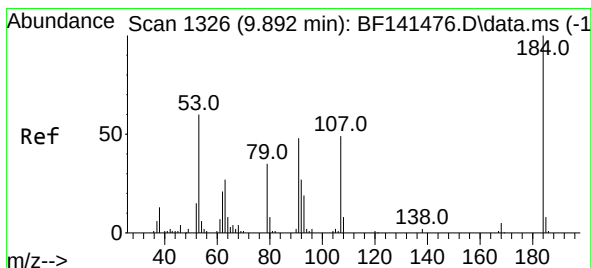
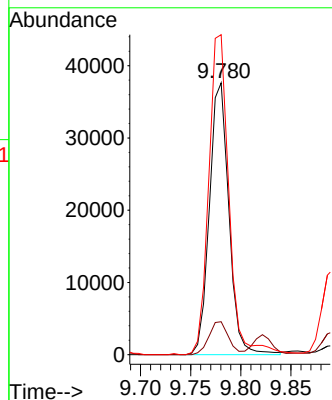
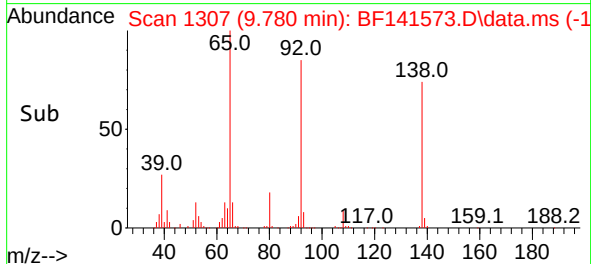
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:138 Resp: 5093
Ion Ratio Lower Upper
138 100
108 12.1 9.0 13.4
92 117.7 93.7 140.5

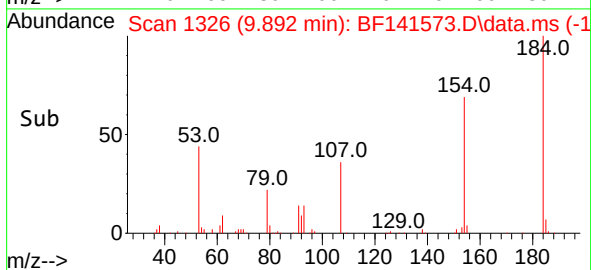
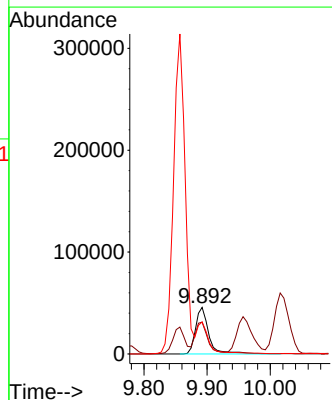
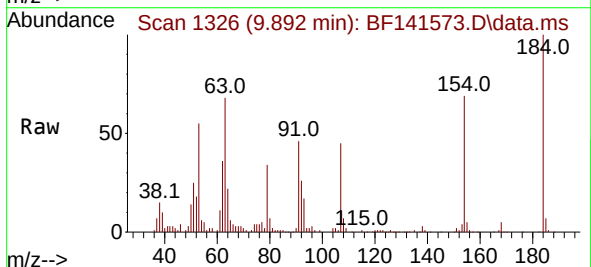
Manual Integrations
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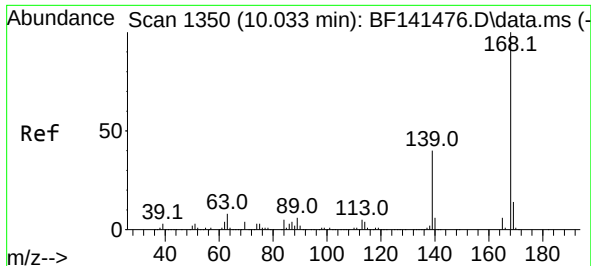
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#54
2,4-Dinitrophenol
Concen: 51.885 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

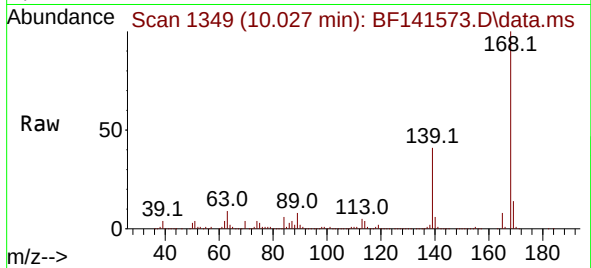
Tgt Ion:184 Resp: 66715
Ion Ratio Lower Upper
184 100
63 68.4 61.0 91.6
154 68.8 59.9 89.9





#55
Dibenzenofuran
Concen: 44.876 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

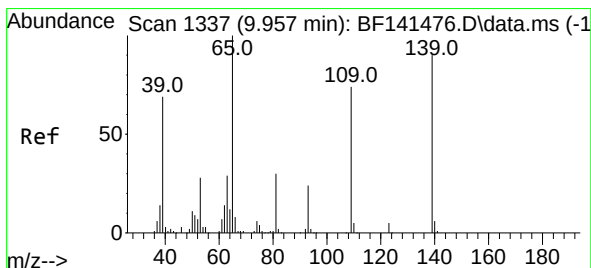
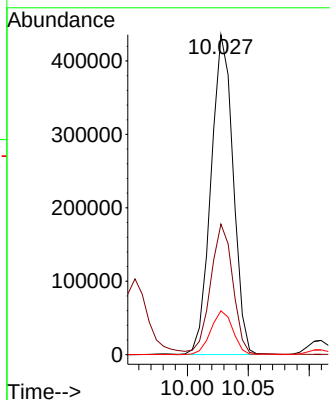
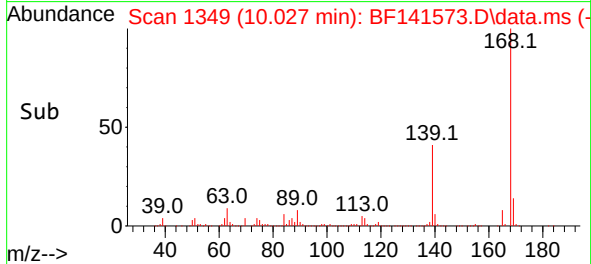
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



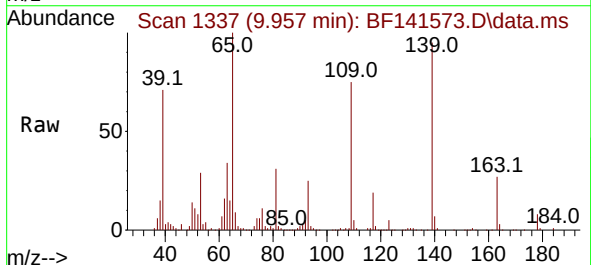
Tgt Ion:168 Resp: 550480
Ion Ratio Lower Upper
168 100
139 40.8 32.7 49.1
169 13.7 10.8 16.2

Manual Integrations
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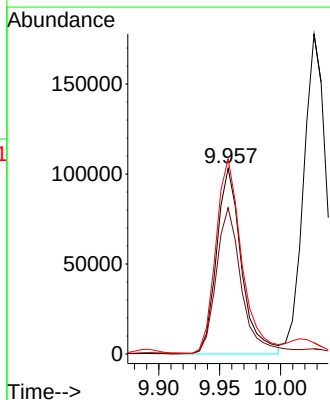
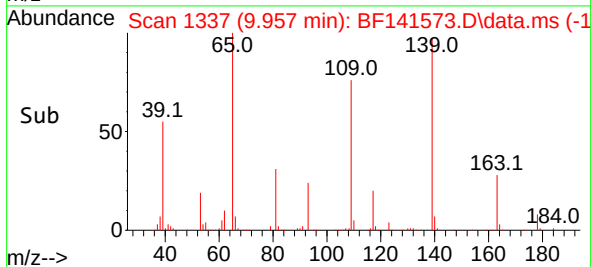
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

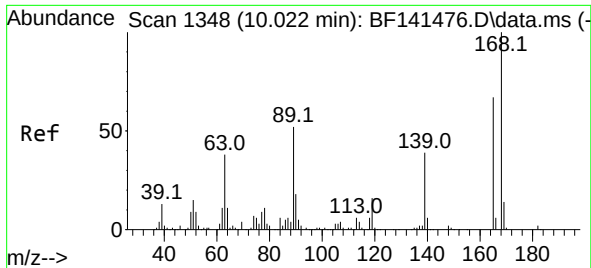


#56
4-Nitrophenol
Concen: 84.902 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



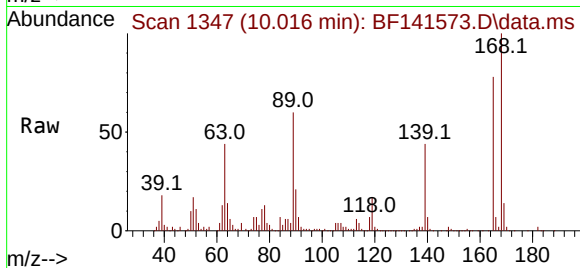
Tgt Ion:139 Resp: 146759
Ion Ratio Lower Upper
139 100
109 78.7 62.0 102.0
65 105.1 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 44.933 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

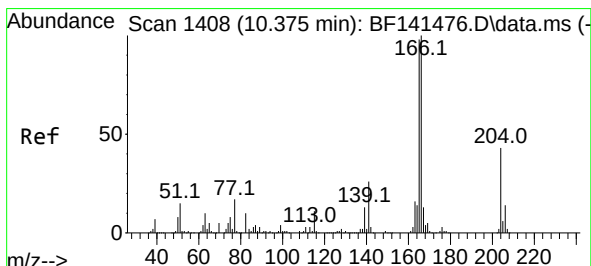
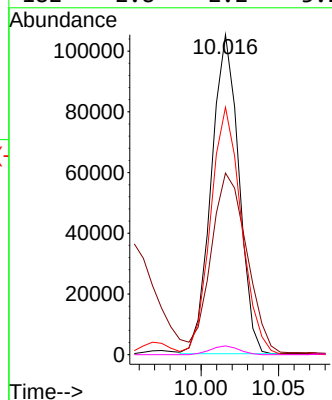
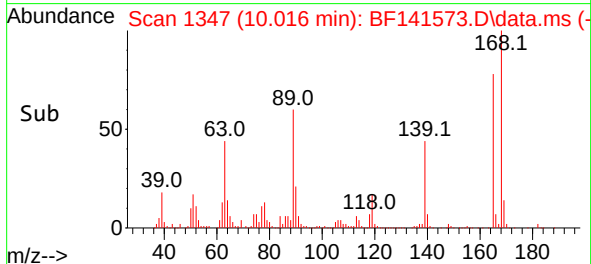
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



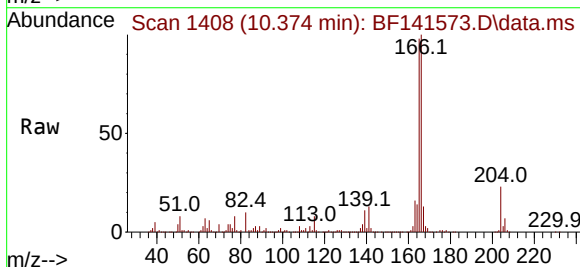
Tgt Ion:165 Resp: 129414
Ion Ratio Lower Upper
165 100
63 56.8 46.4 69.6
89 77.3 61.8 92.6
182 2.8 2.2 3.2

Manual Integrations
APPROVED

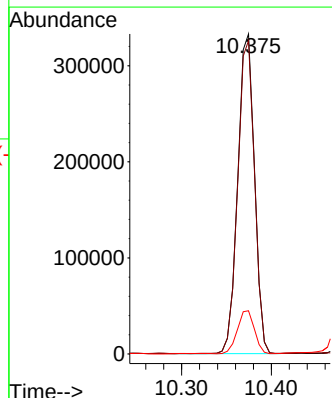
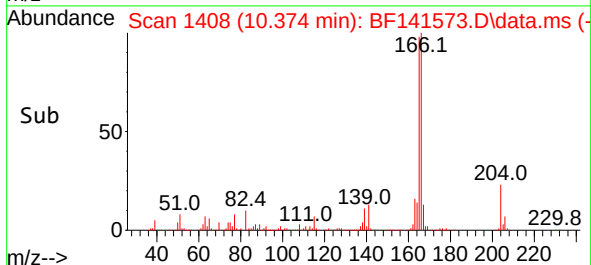
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

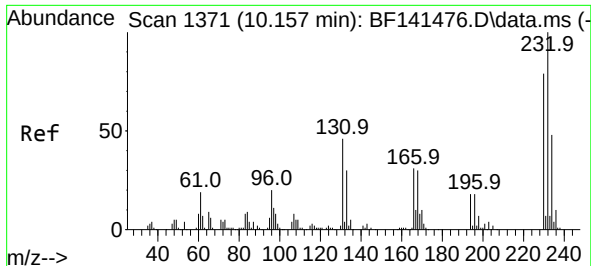


#58
Fluorene
Concen: 45.417 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



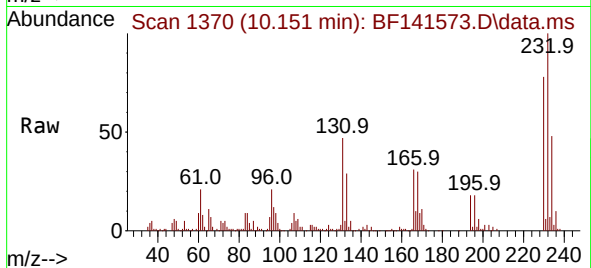
Tgt Ion:166 Resp: 430766
Ion Ratio Lower Upper
166 100
165 97.9 78.2 117.2
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.913 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

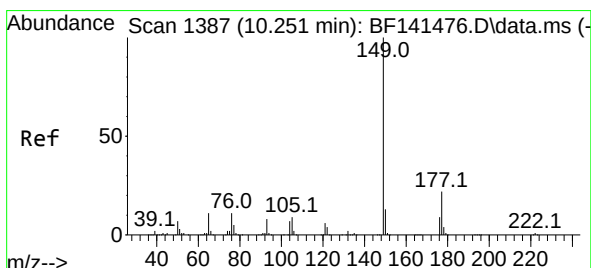
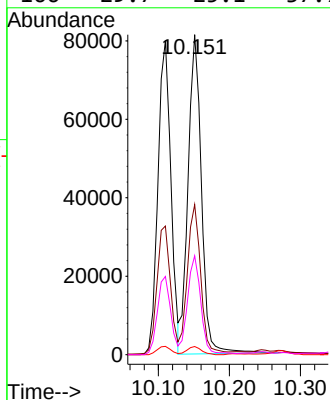
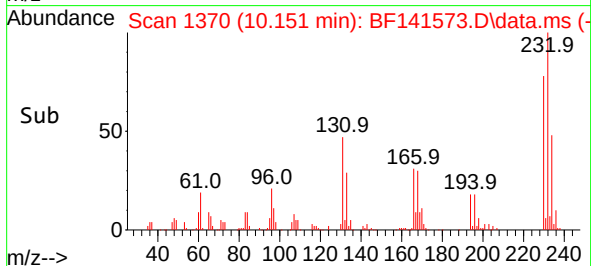
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



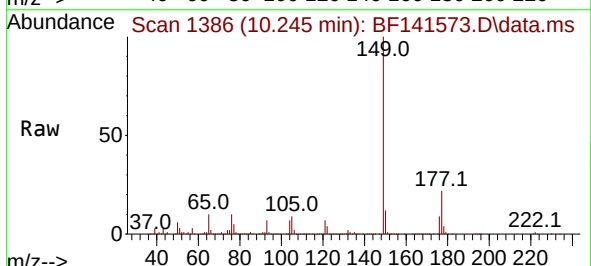
Tgt Ion:232 Resp: 10660
Ion Ratio Lower Upper
232 100
131 44.5 39.2 58.8
130 2.7 2.1 3.1
166 29.7 25.1 37.7

Manual Integrations
APPROVED

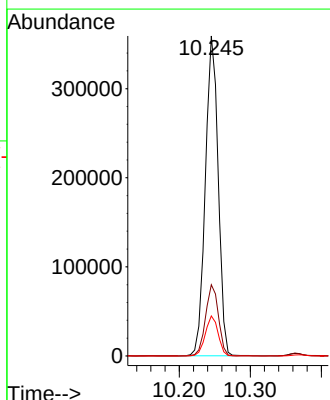
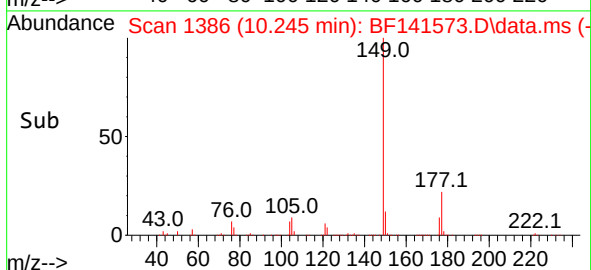
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

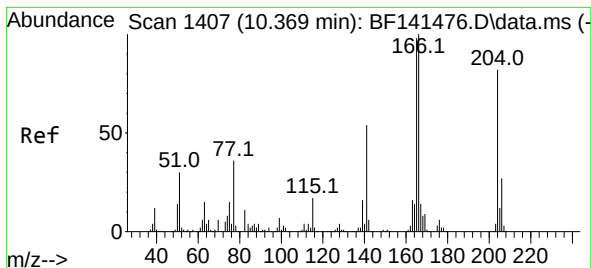


#60
Diethylphthalate
Concen: 46.328 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



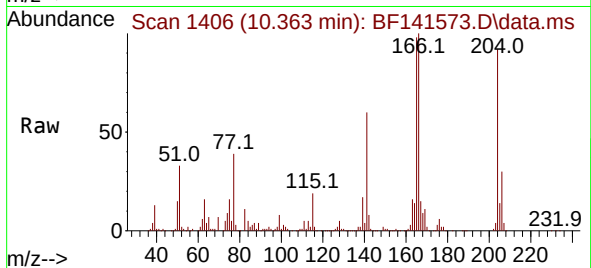
Tgt Ion:149 Resp: 451106
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 45.869 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

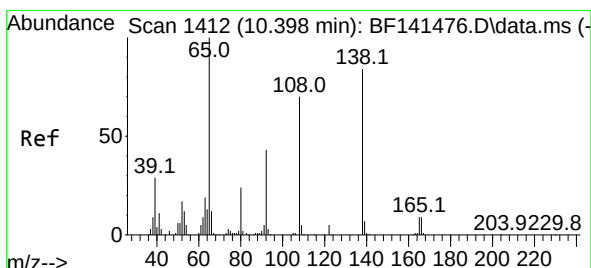
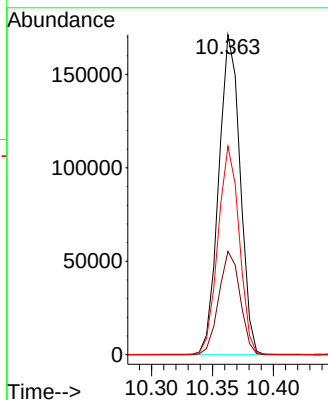
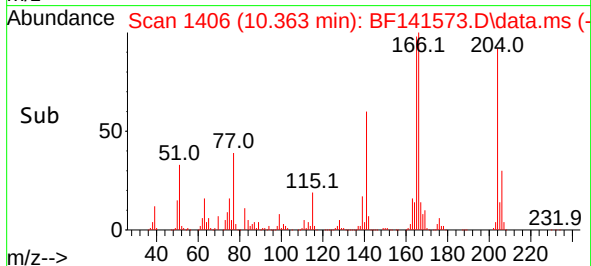
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



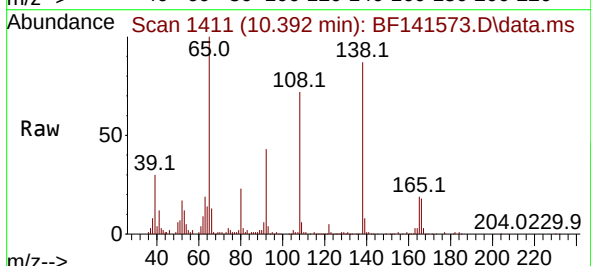
Tgt Ion:204 Resp: 20930
Ion Ratio Lower Upper
204 100
206 32.3 26.6 40.0
141 65.1 51.9 77.9

Manual Integrations
APPROVED

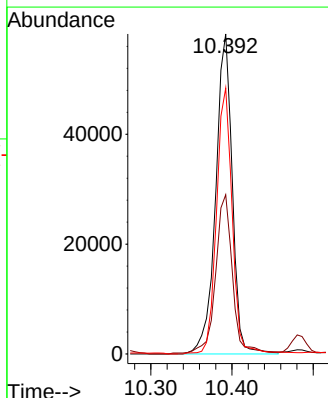
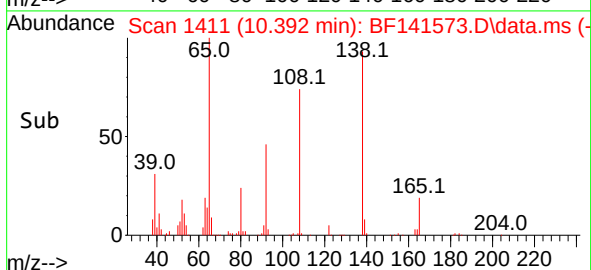
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

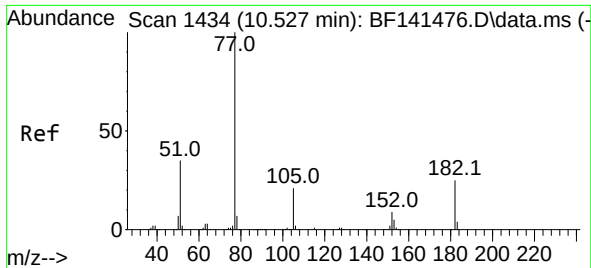


#62
4-Nitroaniline
Concen: 35.158 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



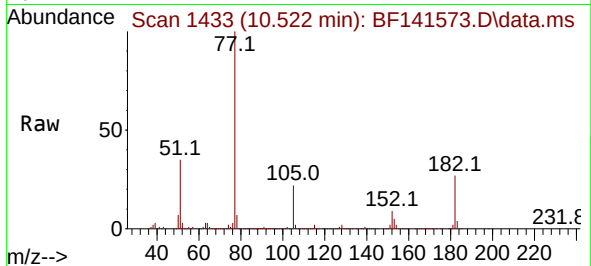
Tgt Ion:138 Resp: 83129
Ion Ratio Lower Upper
138 100
92 49.7 31.3 71.3
108 83.1 63.7 103.7





#63
Azobenzene
Concen: 46.886 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

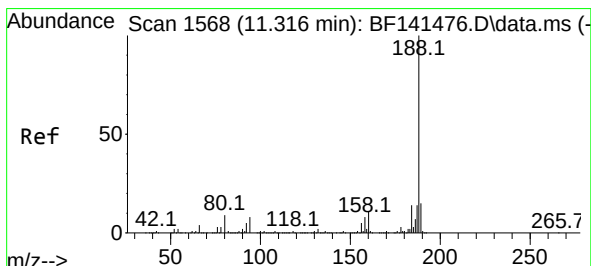
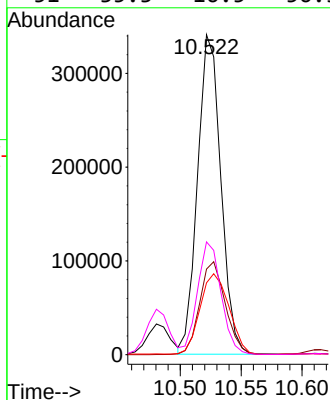
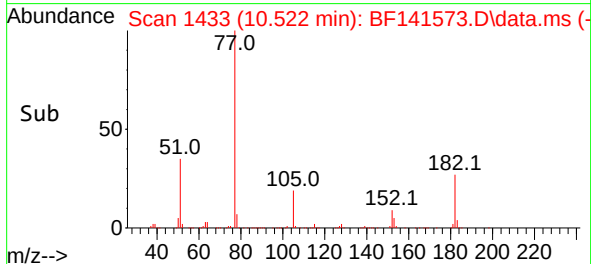
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



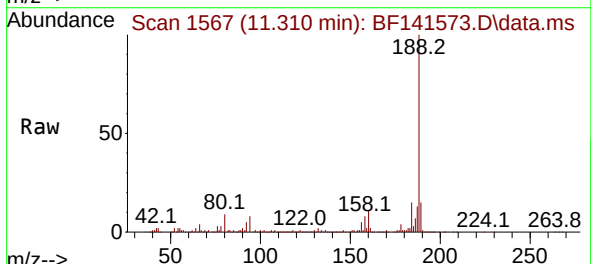
Tgt Ion: 77 Resp: 453850
Ion Ratio Lower Upper
77 100
182 26.7 4.7 44.7
105 22.4 0.4 40.4
51 35.3 16.5 56.5

Manual Integrations
APPROVED

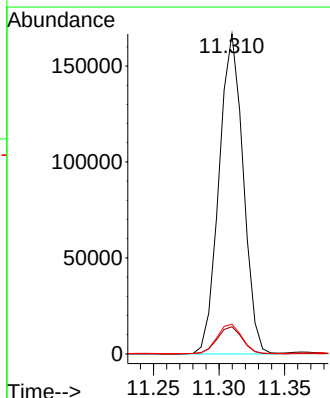
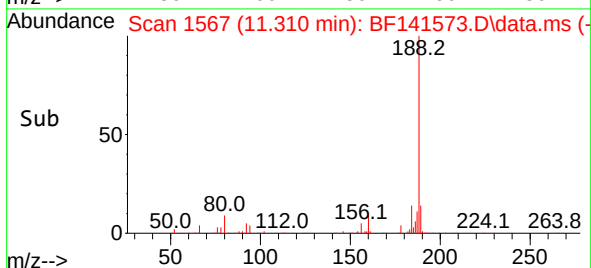
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

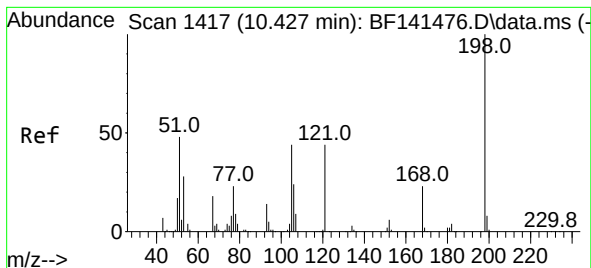


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion:188 Resp: 213944
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.3 7.3 10.9





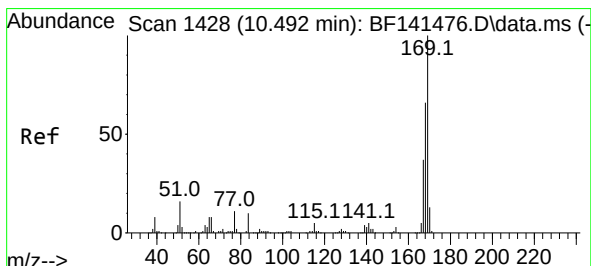
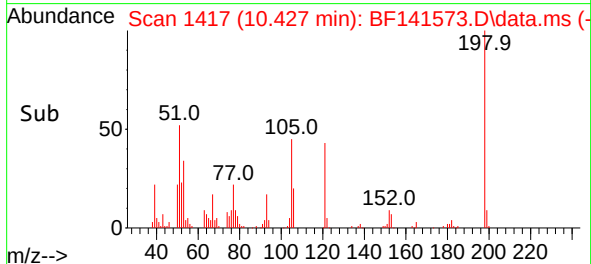
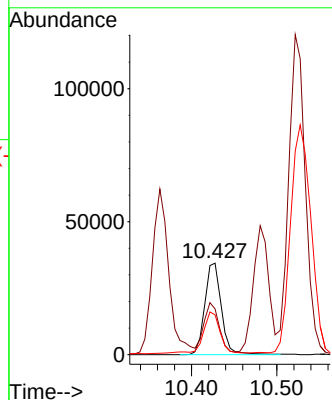
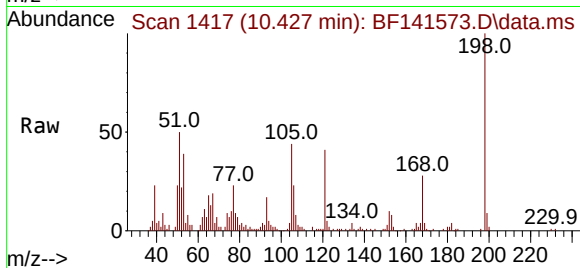
#65
4,6-Dinitro-2-methylphenol
Concen: 31.315 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS

Tgt Ion:198 Resp: 46539
Ion Ratio Lower Upper
198 100
51 50.0 37.4 77.4
105 43.5 25.2 65.2

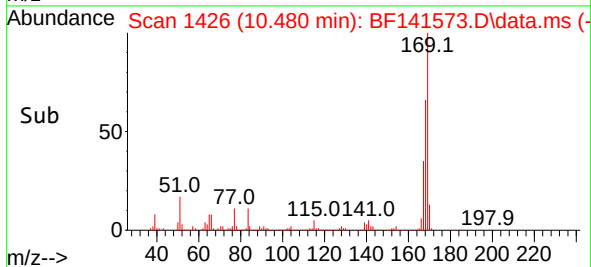
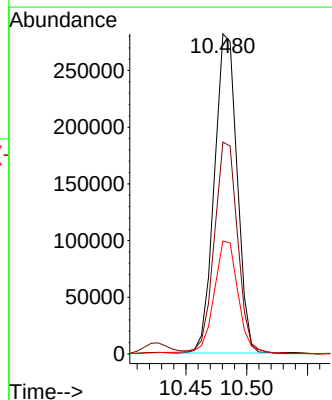
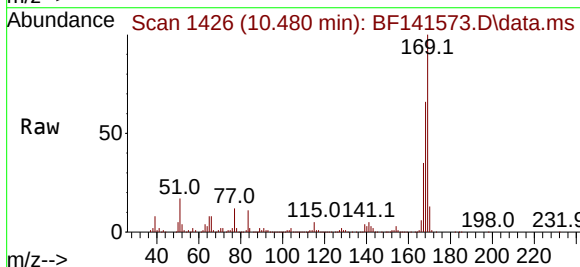
Manual Integrations
APPROVED

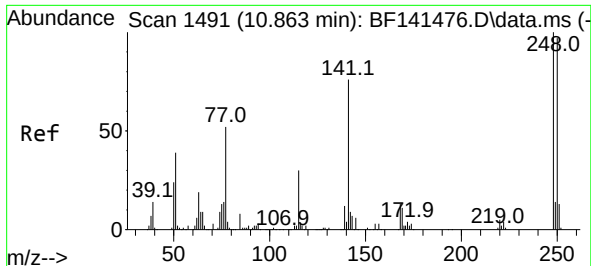
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#66
n-Nitrosodiphenylamine
Concen: 53.365 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

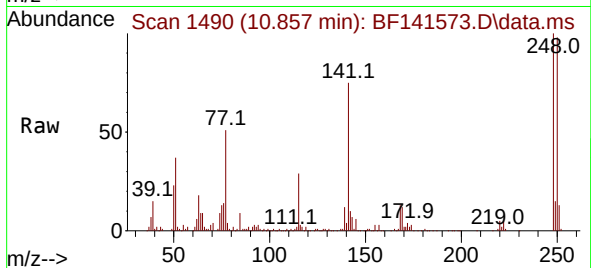
Tgt Ion:169 Resp: 365475
Ion Ratio Lower Upper
169 100
168 66.2 53.3 79.9
167 35.3 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 51.209 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

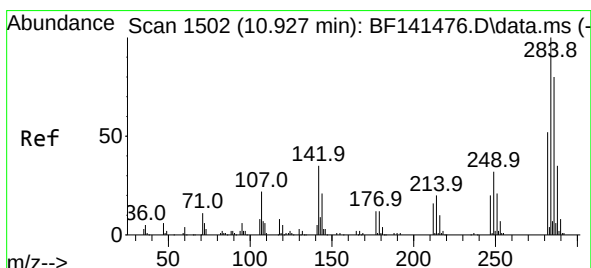
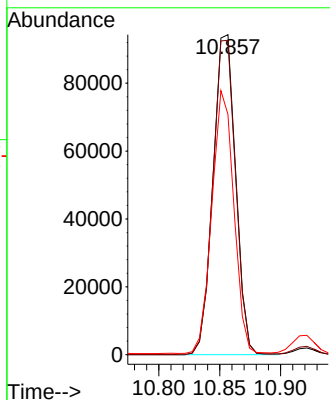
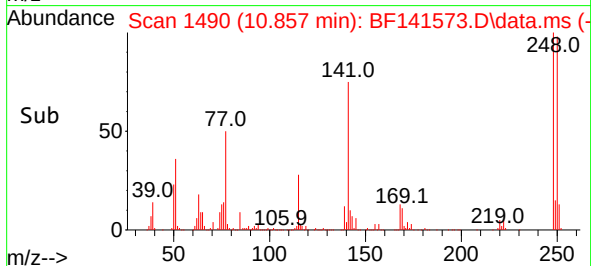
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



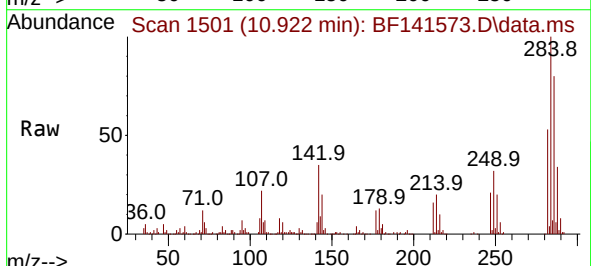
Tgt Ion:248 Resp: 122449
Ion Ratio Lower Upper
248 100
250 98.3 77.8 116.6
141 75.1 60.6 90.8

Manual Integrations
APPROVED

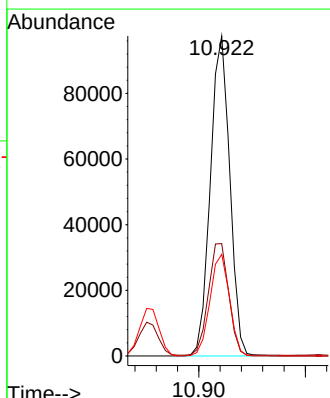
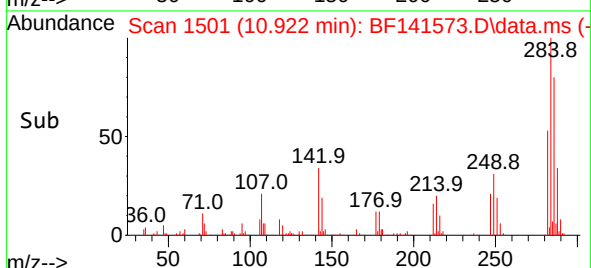
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

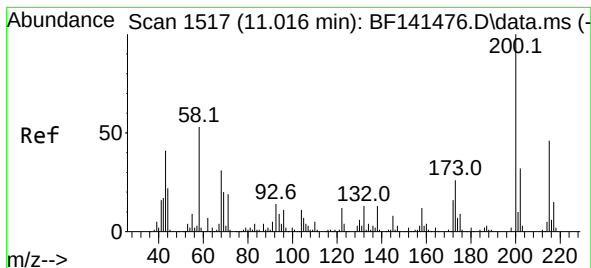


#68
Hexachlorobenzene
Concen: 50.118 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



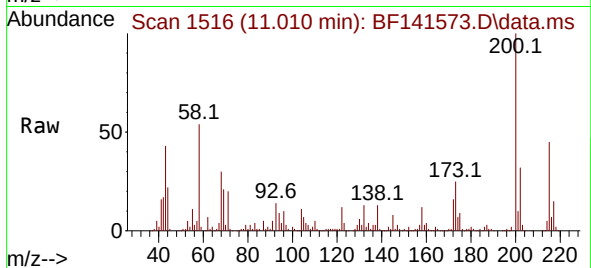
Tgt Ion:284 Resp: 123400
Ion Ratio Lower Upper
284 100
142 35.1 28.0 42.0
249 31.8 25.8 38.8





#69
Atrazine
Concen: 65.856 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

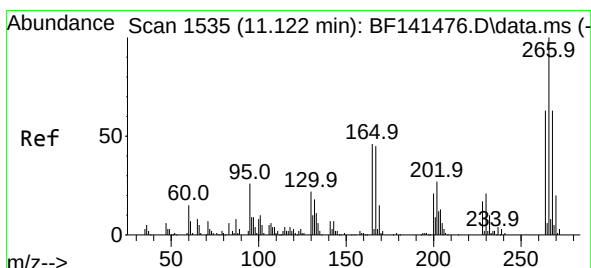
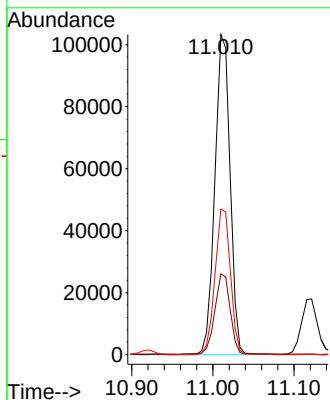
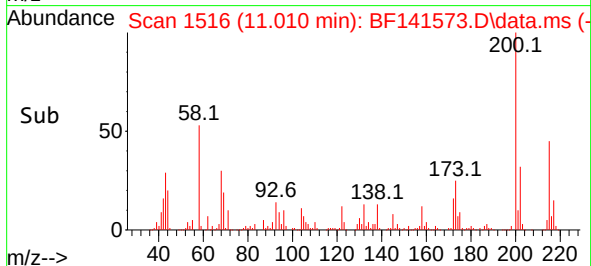
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



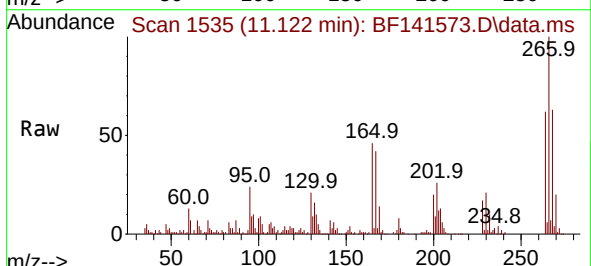
Tgt Ion:200 Resp: 13530
Ion Ratio Lower Upper
200 100
173 25.3 5.9 45.9
215 45.5 25.9 65.9

Manual Integrations
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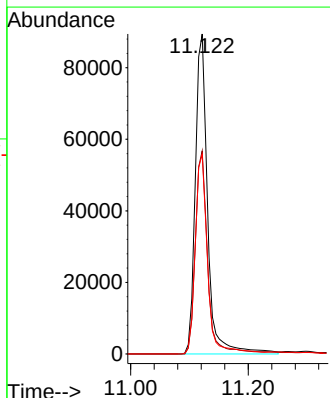
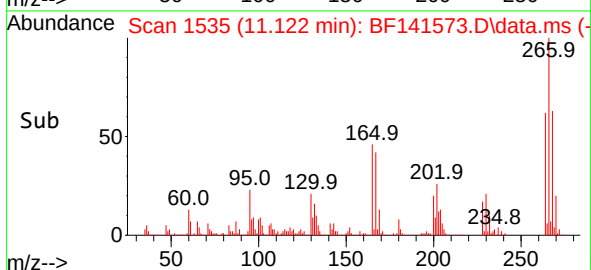
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

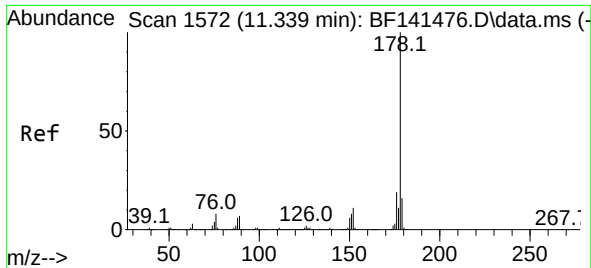


#70
Pentachlorophenol
Concen: 82.874 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



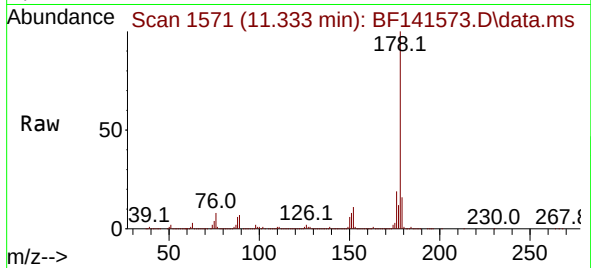
Tgt Ion:266 Resp: 130475
Ion Ratio Lower Upper
266 100
268 63.4 50.1 75.1
264 62.4 50.1 75.1





#71
Phenanthrene
Concen: 71.047 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

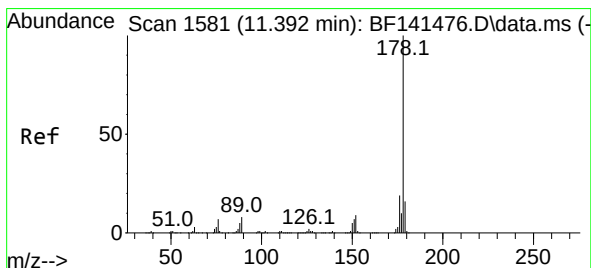
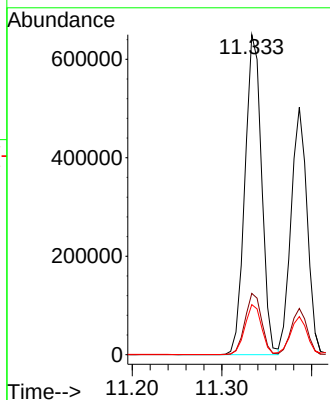
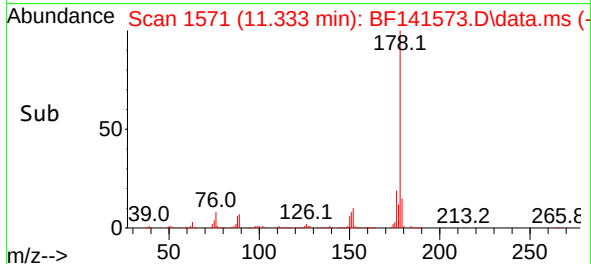
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:178 Resp: 836700
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.7 12.4 18.6

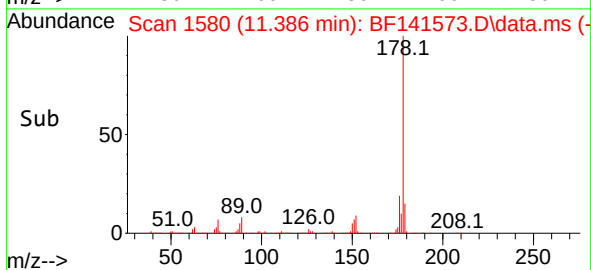
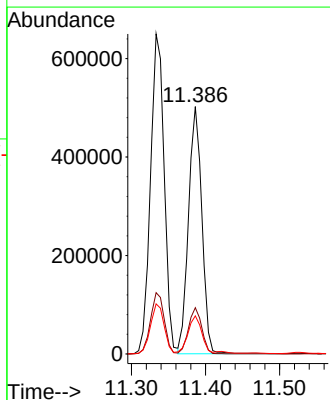
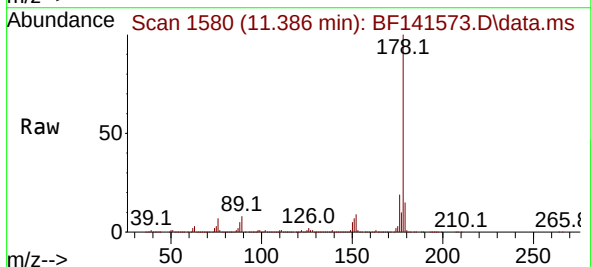
Manual Integrations
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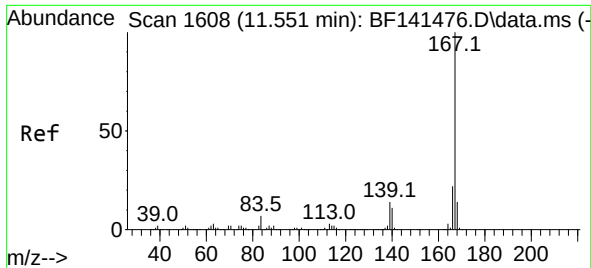
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 53.219 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

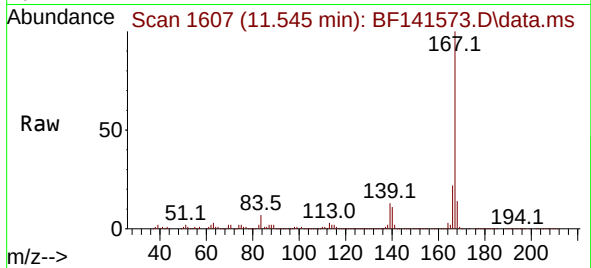
Tgt Ion:178 Resp: 630026
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 46.862 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141573.D
 Acq: 11 Feb 2025 20:11

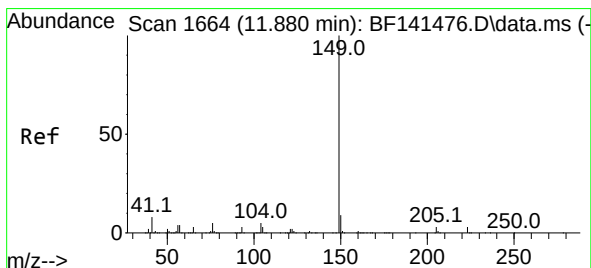
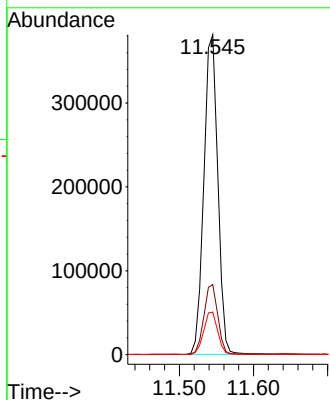
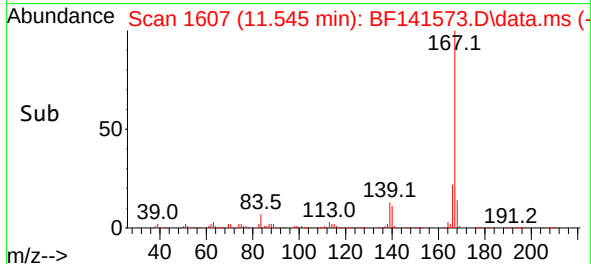
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MS



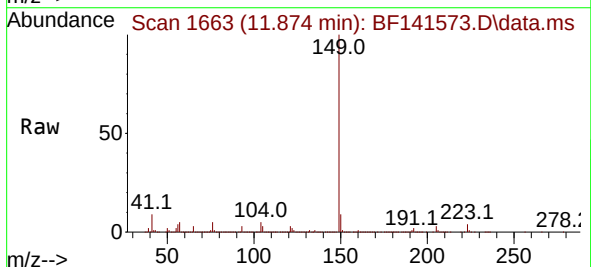
Tgt Ion:167 Resp: 49917
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.3 10.9 16.3

Manual Integrations
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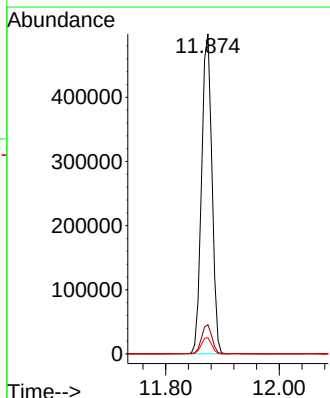
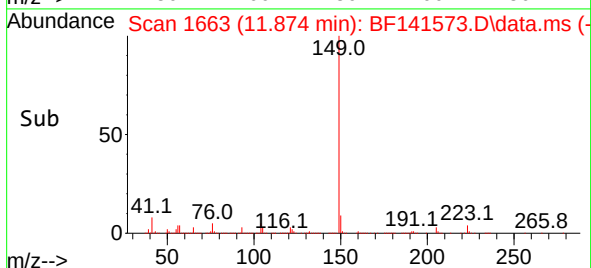
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

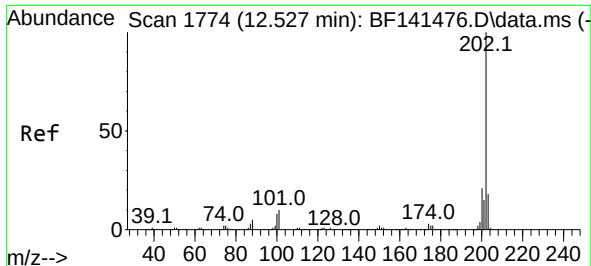


#74
 Di-n-butylphthalate
 Concen: 51.124 ng
 RT: 11.874 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF141573.D
 Acq: 11 Feb 2025 20:11



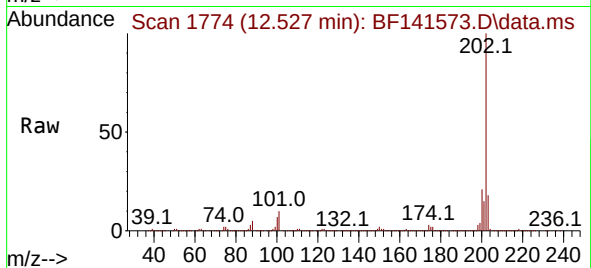
Tgt Ion:149 Resp: 628802
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 87.049 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

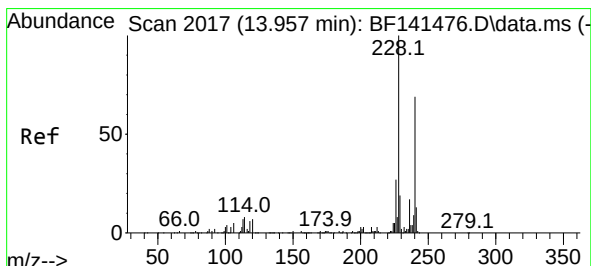
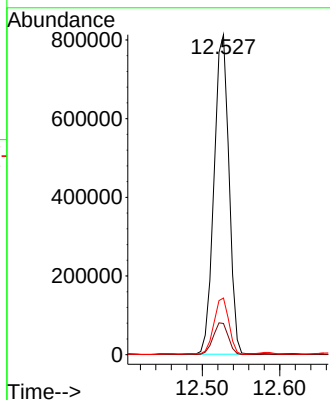
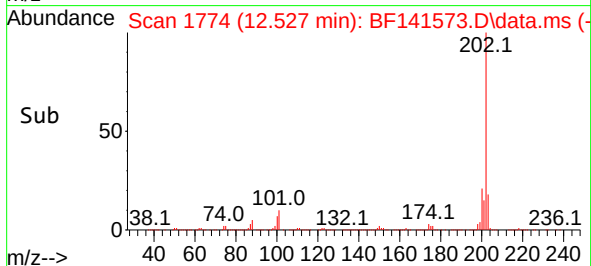
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:202 Resp: 1086850
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.7 0.0 37.6

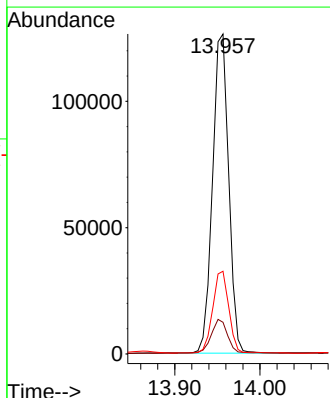
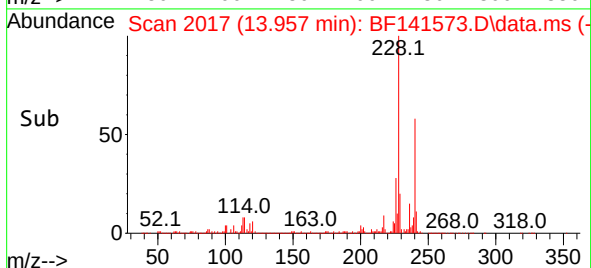
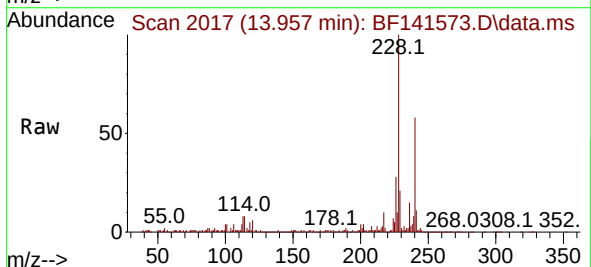
Manual Integrations
APPROVED

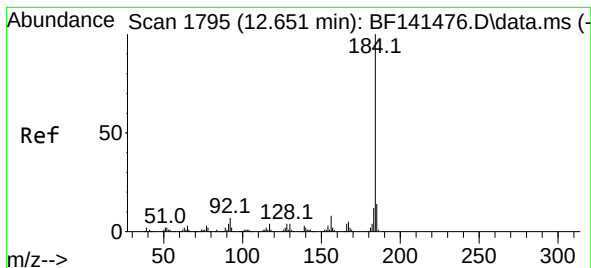
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

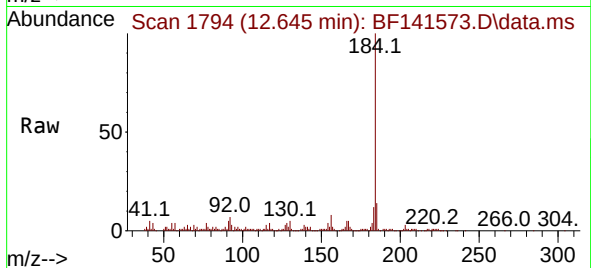
Tgt Ion:240 Resp: 166810
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.9 19.8 29.8





#77
Benzidine
Concen: 35.348 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

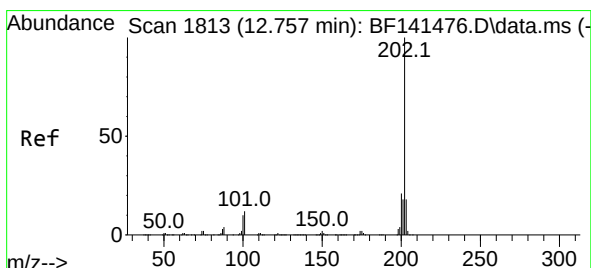
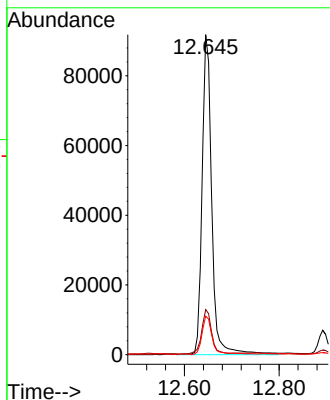
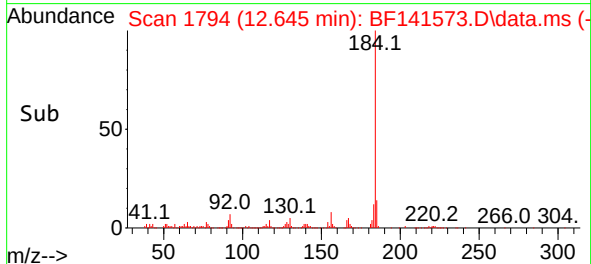
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:184 Resp: 13004
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.1 9.3 13.9

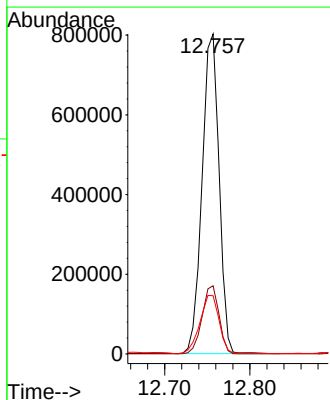
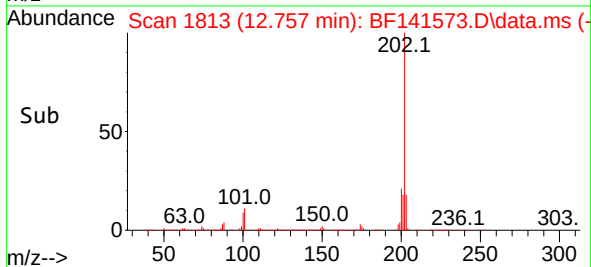
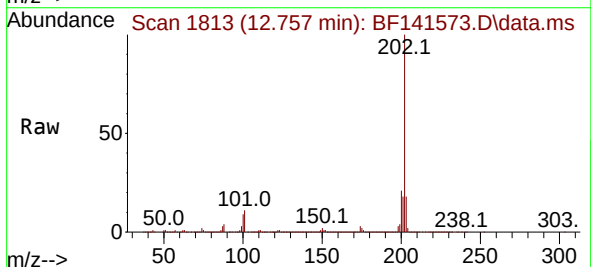
Manual Integrations
APPROVED

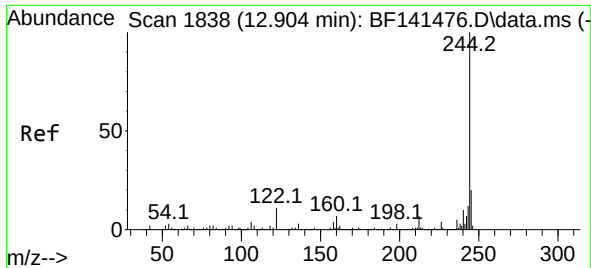
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 78.077 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

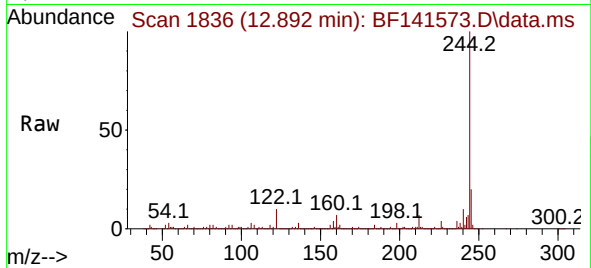
Tgt Ion:202 Resp: 1108693
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 59.034 ng
 RT: 12.892 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141573.D
 Acq: 11 Feb 2025 20:11

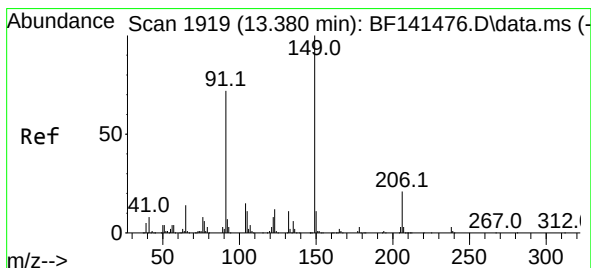
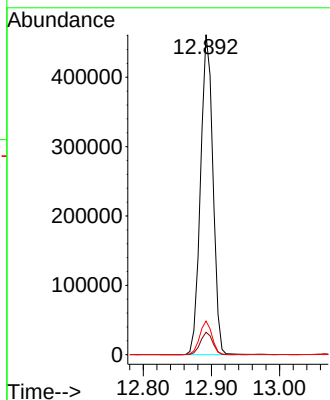
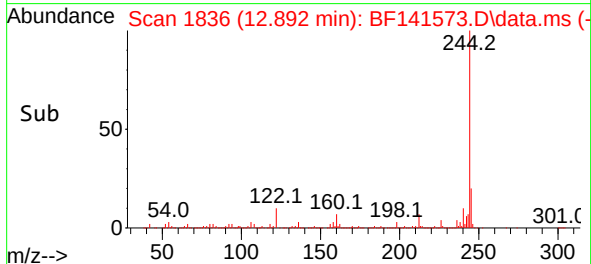
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MS



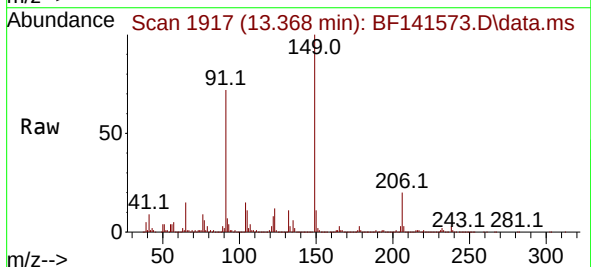
Tgt Ion:244 Resp: 583318
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.5 8.4 12.6

Manual Integrations
 APPROVED

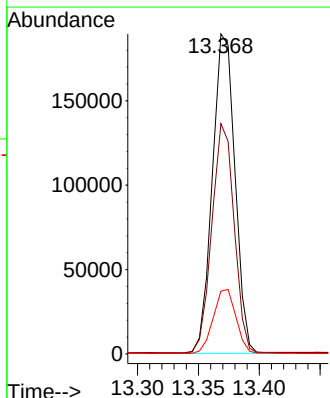
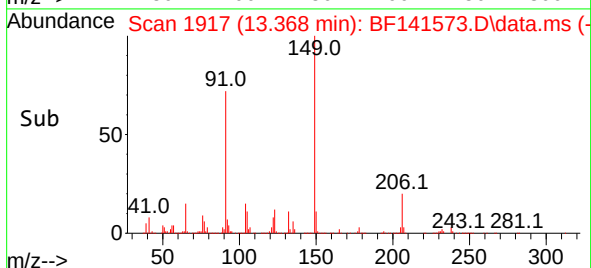
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

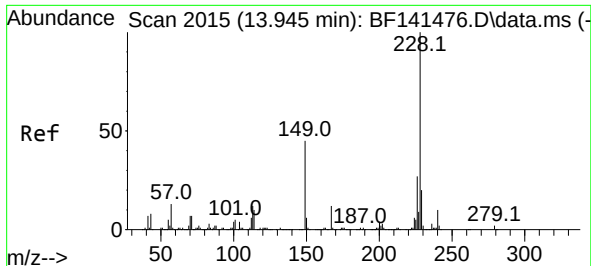


#80
 Butylbenzylphthalate
 Concen: 49.740 ng
 RT: 13.368 min Scan# 1917
 Delta R.T. -0.012 min
 Lab File: BF141573.D
 Acq: 11 Feb 2025 20:11



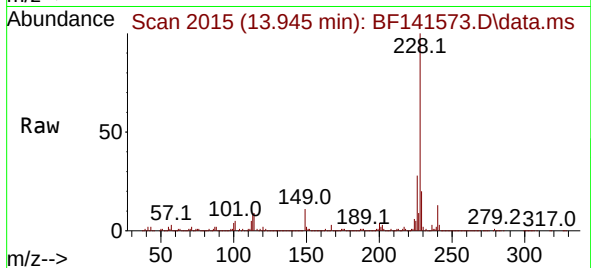
Tgt Ion:149 Resp: 244644
 Ion Ratio Lower Upper
 149 100
 91 72.0 57.8 86.8
 206 19.6 16.7 25.1





#81
Benzo(a)anthracene
Concen: 75.557 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

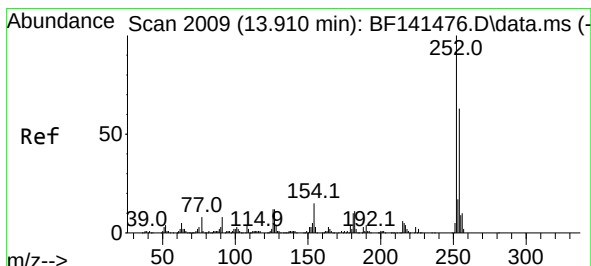
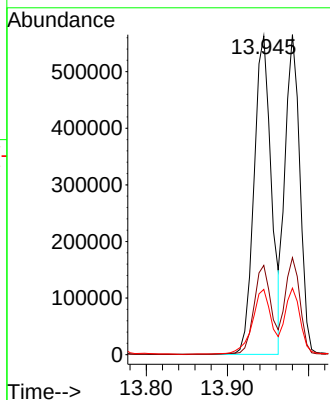
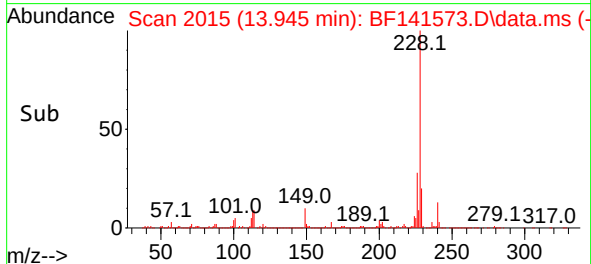
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



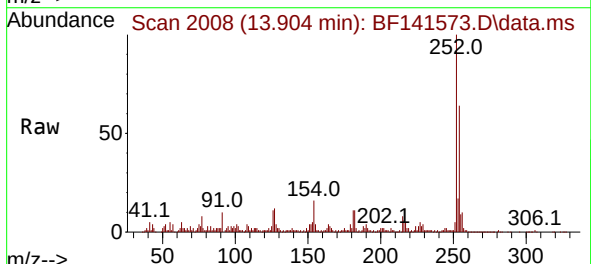
Tgt Ion:228 Resp: 83781
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.5 15.8 23.6

Manual Integrations
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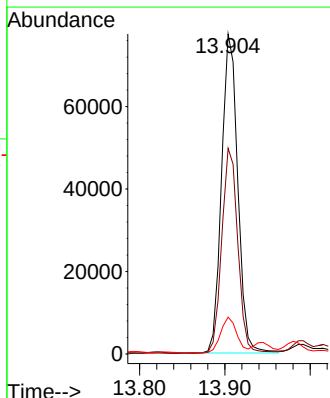
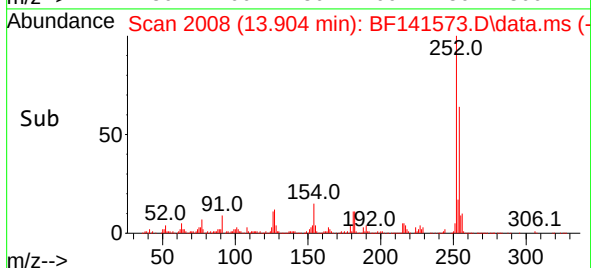
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

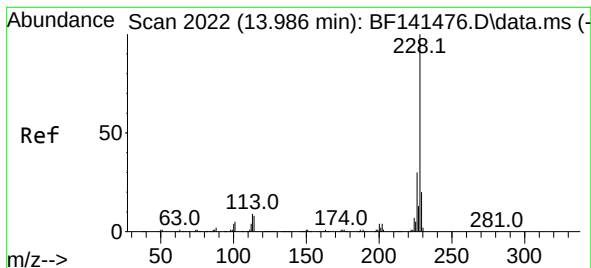


#82
3,3'-Dichlorobenzidine
Concen: 32.116 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



Tgt Ion:252 Resp: 102012
Ion Ratio Lower Upper
252 100
254 64.3 50.6 76.0
126 11.5 9.3 13.9





#83

Chrysene

Concen: 69.316 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MS

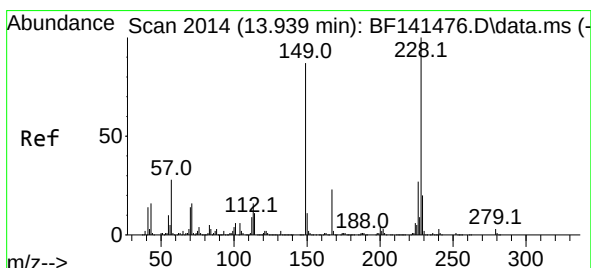
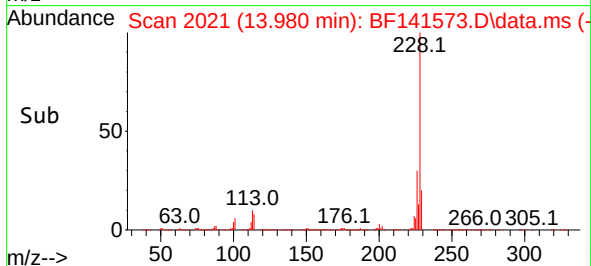
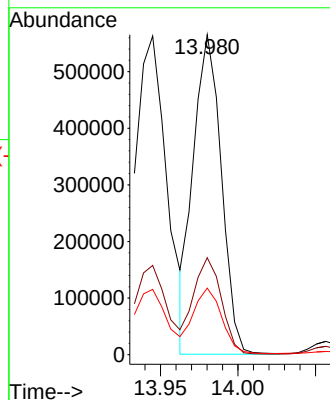
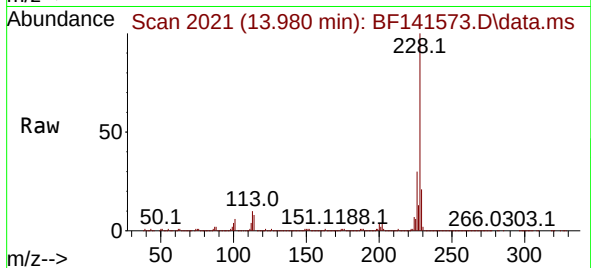
Tgt Ion:228 Resp: 709680

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	20.8	15.7	23.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.518 ng

RT: 13.933 min Scan# 2013

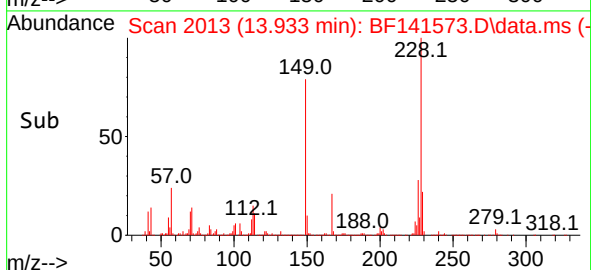
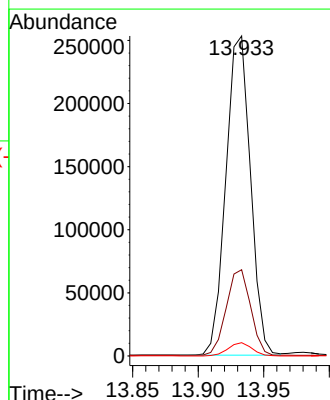
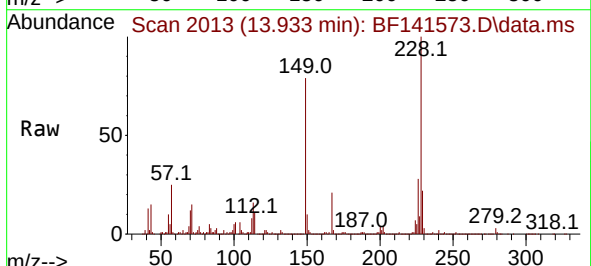
Delta R.T. -0.006 min

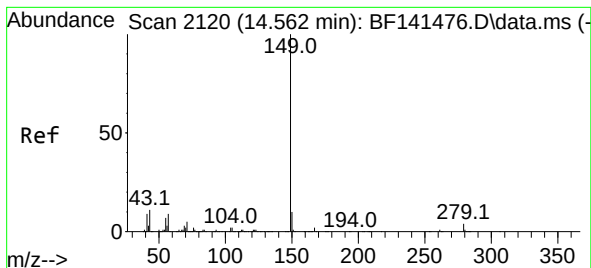
Lab File: BF141573.D

Acq: 11 Feb 2025 20:11

Tgt Ion:149 Resp: 330164

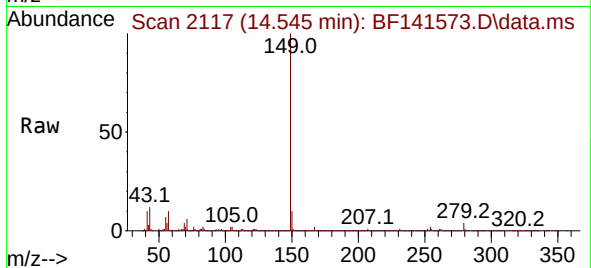
Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.1	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 71.362 ng
RT: 14.545 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

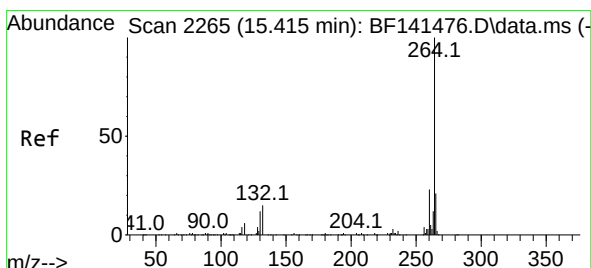
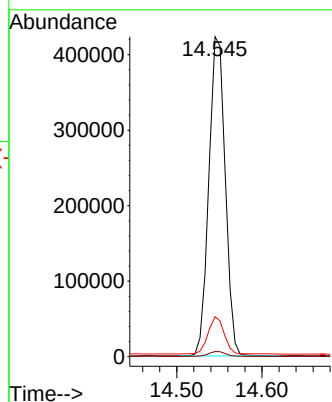
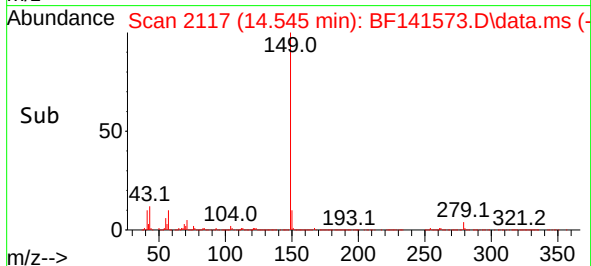
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



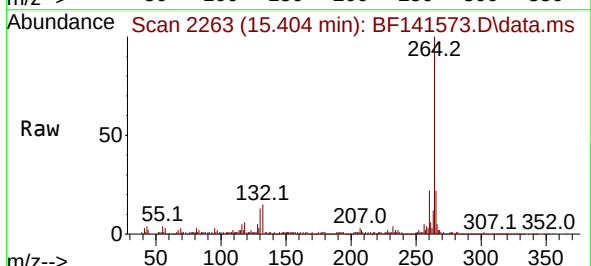
Tgt Ion:149 Resp: 564735
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.3 9.5 14.3

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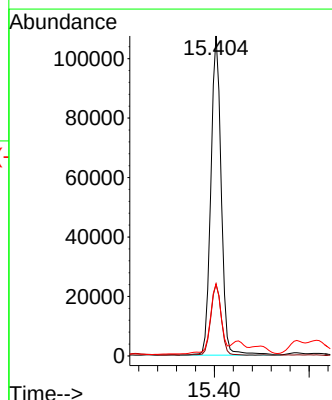
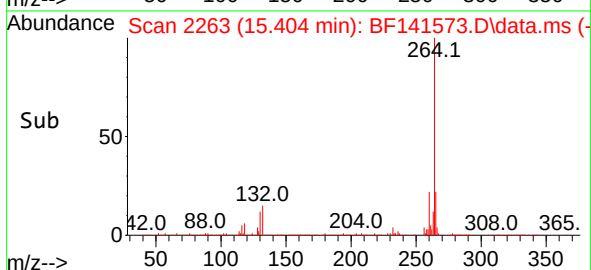
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

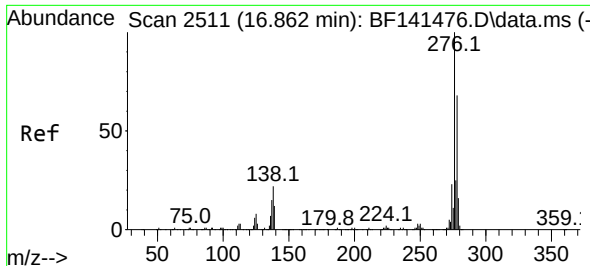


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



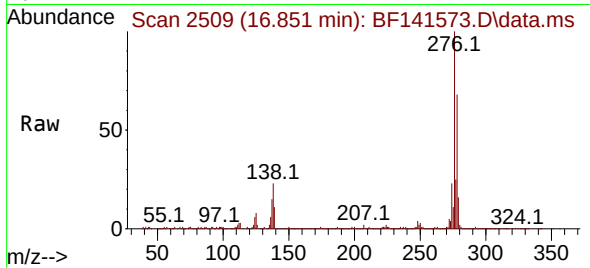
Tgt Ion:264 Resp: 163116
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 22.5 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.115 ng
RT: 16.851 min Scan# 2193
Delta R.T. -0.023 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

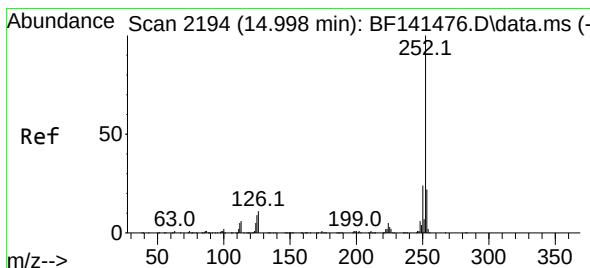
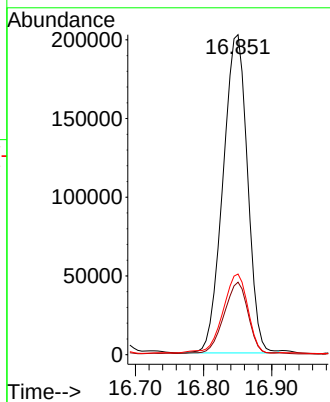
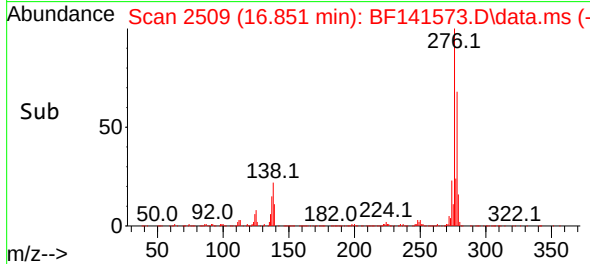
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:276 Resp: 505098
Ion Ratio Lower Upper
276 100
138 22.8 18.0 27.0
277 25.1 20.4 30.6

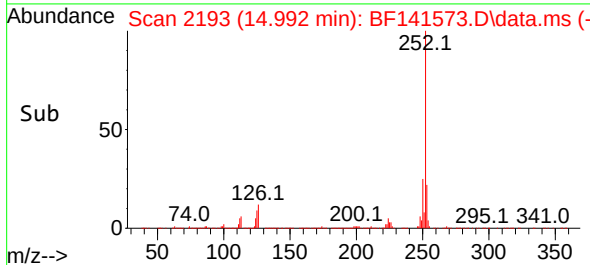
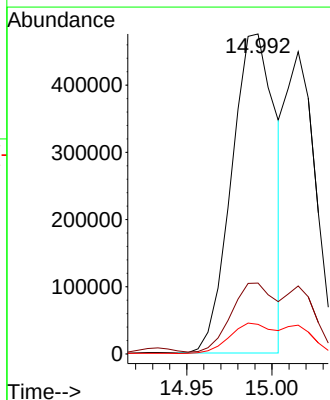
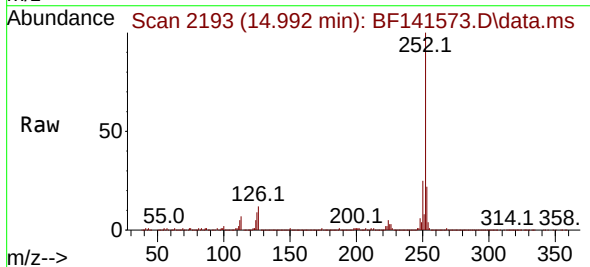
Manual Integrations
APPROVED

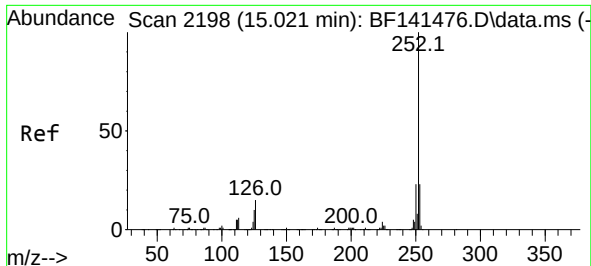
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#88
Benzo(b)fluoranthene
Concen: 77.326 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

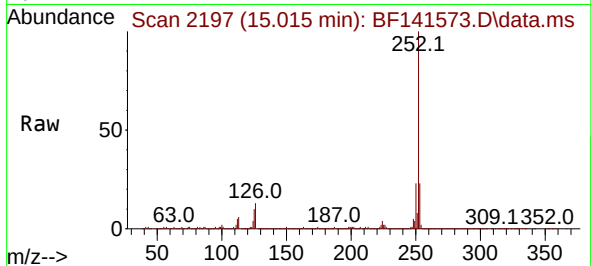
Tgt Ion:252 Resp: 846904
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 9.3 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 57.475 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

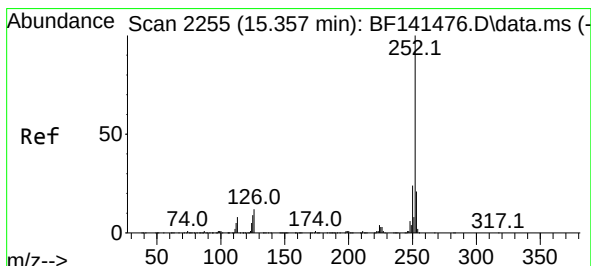
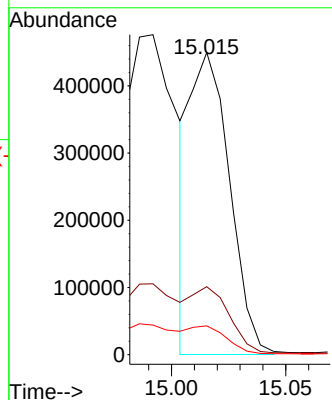
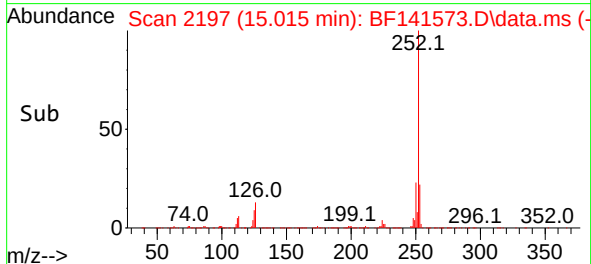
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



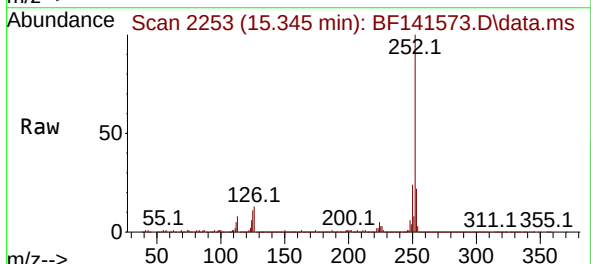
Tgt Ion:252 Resp: 537534
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 9.5 7.4 11.0

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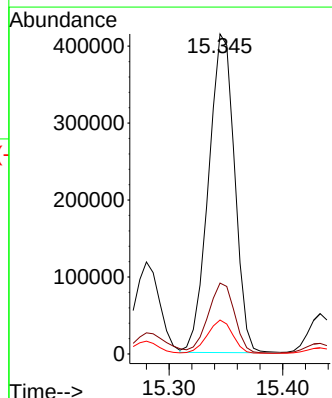
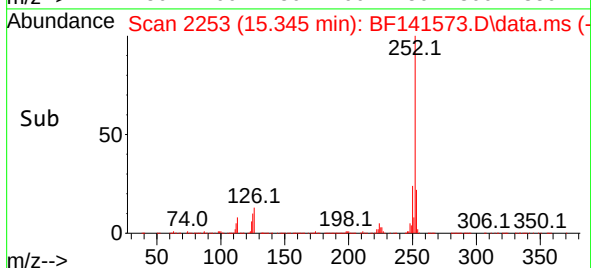
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

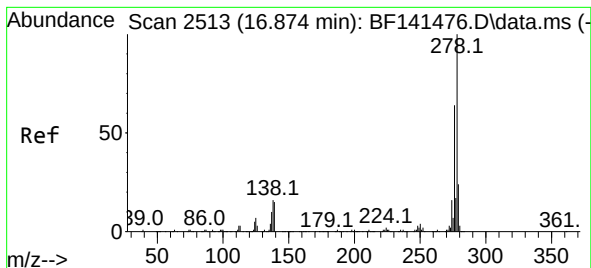


#90
Benzo(a)pyrene
Concen: 74.508 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.018 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11



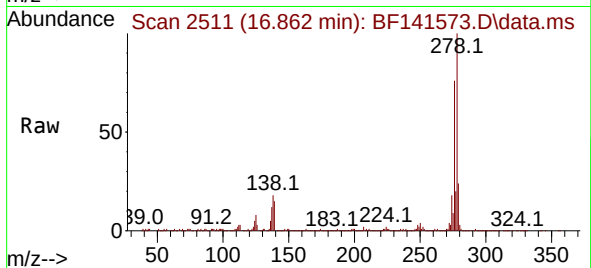
Tgt Ion:252 Resp: 660314
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 10.6 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 42.800 ng
RT: 16.862 min Scan# 2511
Delta R.T. -0.029 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

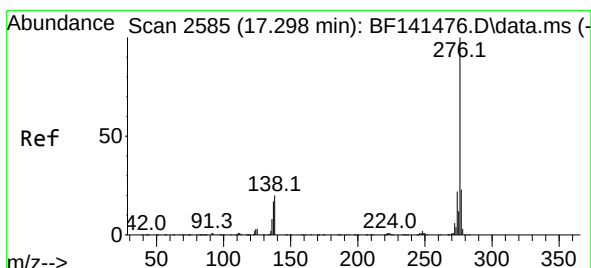
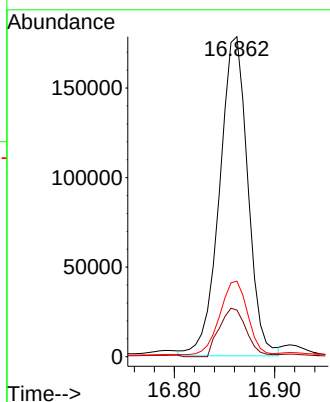
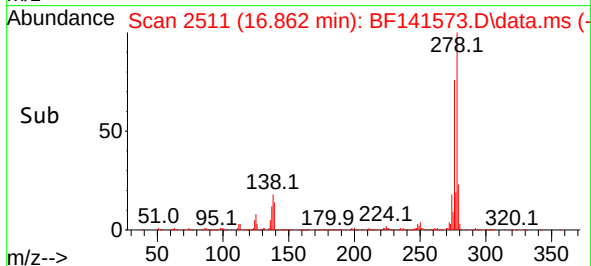
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MS



Tgt Ion:278 Resp: 34953
Ion Ratio Lower Upper
278 100
139 14.5 11.8 17.6
279 23.6 19.1 28.7

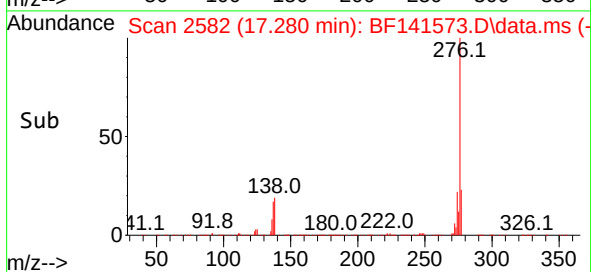
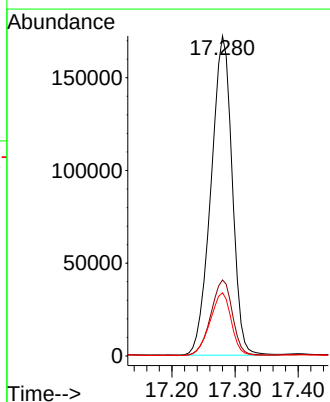
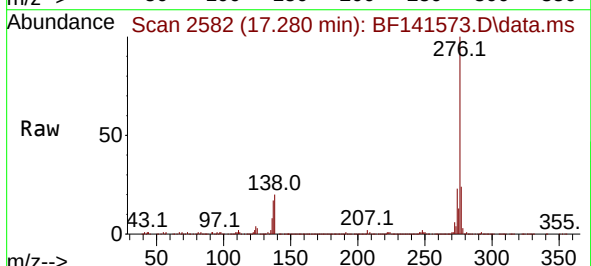
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 46.732 ng
RT: 17.280 min Scan# 2582
Delta R.T. -0.035 min
Lab File: BF141573.D
Acq: 11 Feb 2025 20:11

Tgt Ion:276 Resp: 399380
Ion Ratio Lower Upper
276 100
277 23.7 18.6 28.0
138 19.7 15.9 23.9



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-29.1-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141574.D	1	01/30/25 09:15	02/11/25 20:38	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2200		200	370	ug/Kg
108-95-2	Phenol	1600		93.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		94.1	190	ug/Kg
95-57-8	2-Chlorophenol	1700		93.9	190	ug/Kg
95-48-7	2-Methylphenol	1600		90.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	190	ug/Kg
98-86-2	Acetophenone	1800		97.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		89.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		45.3	89.9	ug/Kg
67-72-1	Hexachloroethane	1700		93.3	190	ug/Kg
98-95-3	Nitrobenzene	1700		100	190	ug/Kg
78-59-1	Isophorone	1700		95.1	190	ug/Kg
88-75-5	2-Nitrophenol	1700		110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		96.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		84.9	190	ug/Kg
91-20-3	Naphthalene	1700		92.9	190	ug/Kg
106-47-8	4-Chloroaniline	350		92.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	1700		93.7	190	ug/Kg
105-60-2	Caprolactam	1800		97.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		87.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		92.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800		180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		80.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		83.2	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		98.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		93.7	190	ug/Kg
88-74-4	2-Nitroaniline	1700		110	190	ug/Kg
131-11-3	Dimethylphthalate	1700		91.9	190	ug/Kg

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-29.1-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141574.D	1	01/30/25 09:15	02/11/25 20:38	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		97.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		93.5	190	ug/Kg
99-09-2	3-Nitroaniline	800		100	190	ug/Kg
83-32-9	Acenaphthene	1700		91.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		270	370	ug/Kg
100-02-7	4-Nitrophenol	3000		130	370	ug/Kg
132-64-9	Dibenzofuran	1600		94.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		96.9	190	ug/Kg
84-66-2	Diethylphthalate	1600		90.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		96.2	190	ug/Kg
86-73-7	Fluorene	1600		96.1	190	ug/Kg
100-01-6	4-Nitroaniline	1200		120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		91.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		88.7	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		95.6	190	ug/Kg
1912-24-9	Atrazine	2300		100	190	ug/Kg
87-86-5	Pentachlorophenol	3000		86.9	370	ug/Kg
85-01-8	Phenanthrene	2500		94.4	190	ug/Kg
120-12-7	Anthracene	1900		94.9	190	ug/Kg
86-74-8	Carbazole	1700		90.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	1800		94.8	190	ug/Kg
206-44-0	Fluoranthene	3100	E	91.9	190	ug/Kg
129-00-0	Pyrene	2700		93.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	1700		110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		110	370	ug/Kg
56-55-3	Benzo(a)anthracene	2700		90.7	190	ug/Kg
218-01-9	Chrysene	2500		89.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		91.2	190	ug/Kg

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-29.1-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1215-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141574.D	1	01/30/25 09:15	02/11/25 20:38	PB166360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		92.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	2700		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		87.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		91.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		90.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		97.6	190	ug/Kg
123-91-1	1,4-Dioxane	1900		120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		84.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	94.8		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	92.1		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	56.0		10 - 105	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	77700	6.787
1146-65-2	Naphthalene-d8	297000	8.069
15067-26-2	Acenaphthene-d10	147000	9.822
1517-22-2	Phenanthrene-d10	214000	11.31
1719-03-5	Chrysene-d12	172000	13.957
1520-96-3	Perylene-d12	165000	15.41

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\BF021125\
 Data File : BF141574.D
 Acq On : 11 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1215-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77684	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	297197	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	147170	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	213794	20.000	ng	0.00
76) Chrysene-d12	13.957	240	172116	20.000	ng	0.00
86) Perylene-d12	15.410	264	164980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	469748	94.800	ng	0.00
7) Phenol-d6	6.428	99	577057	92.139	ng	-0.01
23) Nitrobenzene-d5	7.351	82	389531	68.363	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	121471	82.164	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	674000	70.557	ng	0.00
79) Terphenyl-d14	12.892	244	570645	55.971	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	98534	49.407	ng	99
3) Pyridine	3.287	79	210061	44.263	ng	99
4) n-Nitrosodimethylamine	3.240	42	138845	44.184	ng	95
6) Aniline	6.446	93	100166	17.050	ng	# 1
8) 2-Chlorophenol	6.575	128	237041	44.272	ng	99
9) Benzaldehyde	6.340	77	192251	57.766	ng	99
10) Phenol	6.446	94	285296	43.767	ng	84
11) bis(2-Chloroethyl)ether	6.522	93	232644	47.516	ng	100
12) 1,3-Dichlorobenzene	6.728	146	259144	45.845	ng	97
13) 1,4-Dichlorobenzene	6.804	146	261674	45.309	ng	99
14) 1,2-Dichlorobenzene	6.957	146	246175	45.927	ng	100
15) Benzyl Alcohol	6.934	79	204176	42.513	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	369115	44.041	ng	85
17) 2-Methylphenol	7.051	107	182572	43.573	ng	96
18) Hexachloroethane	7.298	117	94350	44.143	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	165016	44.049	ng	99
20) 3+4-Methylphenols	7.204	107	234193	43.981	ng	93
22) Acetophenone	7.198	105	364730	49.335	ng	96
24) Nitrobenzene	7.369	77	246843	44.426	ng	100
25) Isophorone	7.610	82	423704	46.636	ng	99
26) 2-Nitrophenol	7.687	139	123944	44.837	ng	95
27) 2,4-Dimethylphenol	7.728	122	178402	55.244	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	266748	45.820	ng	100
29) 2,4-Dichlorophenol	7.934	162	188183	43.129	ng	98
30) 1,2,4-Trichlorobenzene	8.010	180	208540	43.889	ng	99
31) Naphthalene	8.092	128	693134	44.804	ng	100
32) Benzoic acid	7.851	122	128987	38.454	ng	98
33) 4-Chloroaniline	8.151	127	50168	9.288	ng	98
34) Hexachlorobutadiene	8.204	225	131893	46.238	ng	99
35) Caprolactam	8.510	113	64101m	48.251	ng	
36) 4-Chloro-3-methylphenol	8.634	107	194418	40.225	ng	100
37) 2-Methylnaphthalene	8.781	142	416459	41.369	ng	99
38) 1-Methylnaphthalene	8.881	142	395909	40.605	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	219213	51.485	ng	99
41) Hexachlorocyclopentadiene	8.934	237	66767	47.146	ng	96
43) 2,4,6-Trichlorophenol	9.063	196	124222	45.141	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141574.D
 Acq On : 11 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1215-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	129702	43.489	ng	99
46) 1,1'-Biphenyl	9.245	154	586614	51.413	ng	100
47) 2-Chloronaphthalene	9.269	162	386355	45.792	ng	99
48) 2-Nitroaniline	9.369	65	125612	44.362	ng	99
49) Acenaphthylene	9.687	152	570401	45.452	ng	99
50) Dimethylphthalate	9.545	163	456888	45.730	ng	100
51) 2,6-Dinitrotoluene	9.610	165	95272	43.621	ng	99
52) Acenaphthene	9.857	154	376338	44.607	ng	99
53) 3-Nitroaniline	9.781	138	50219	21.363	ng	96
54) 2,4-Dinitrophenol	9.892	184	56617	43.616	ng	95
55) Dibenzofuran	10.028	168	527415	42.589	ng	99
56) 4-Nitrophenol	9.957	139	139161	79.747	ng	94
57) 2,4-Dinitrotoluene	10.016	165	126086	43.365	ng	98
58) Fluorene	10.369	166	409183	42.734	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	100561	39.164	ng	96
60) Diethylphthalate	10.245	149	423603	43.093	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	200100	43.439	ng	98
62) 4-Nitroaniline	10.392	138	77033	32.272	ng	97
63) Azobenzene	10.522	77	425393	43.531	ng	97
65) 4,6-Dinitro-2-methylph...	10.422	198	39496	26.594	ng	100
66) n-Nitrosodiphenylamine	10.481	169	343871	50.246	ng	100
67) 4-Bromophenyl-phenylether	10.851	248	116182	48.623	ng	96
68) Hexachlorobenzene	10.922	284	113784	46.245	ng	99
69) Atrazine	11.010	200	123922	60.357	ng	100
70) Pentachlorophenol	11.122	266	125770	79.942	ng	99
71) Phenanthrene	11.333	178	799767	67.959	ng	100
72) Anthracene	11.386	178	586861	49.607	ng	99
73) Carbazole	11.545	167	478486	44.951	ng	100
74) Di-n-butylphthalate	11.875	149	584882	47.586	ng	100
75) Fluoranthene	12.528	202	1039256	83.295	ng	99
77) Benzidine	12.645	184	134156	35.342	ng	99
78) Pyrene	12.757	202	1074122	73.310	ng	100
80) Butylbenzylphthalate	13.369	149	233190	45.949	ng	98
81) Benzo(a)anthracene	13.945	228	813229	71.079	ng	99
82) 3,3'-Dichlorobenzidine	13.904	252	109523	33.418	ng	99
83) Chrysene	13.980	228	705014	66.736	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	316795	55.348	ng	99
85) Di-n-octyl phthalate	14.551	149	546624	66.944	ng	99
87) Indeno(1,2,3-cd)pyrene	16.851	276	492273	48.291	ng	98
88) Benzo(b)fluoranthene	14.992	252	837524	75.605	ng	98
89) Benzo(k)fluoranthene	15.021	252	486157m	51.395	ng	
90) Benzo(a)pyrene	15.351	252	638187	71.197	ng	97
91) Dibenzo(a,h)anthracene	16.868	278	327735	39.677	ng	100
92) Benzo(g,h,i)perylene	17.286	276	386271	44.688	ng	99

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

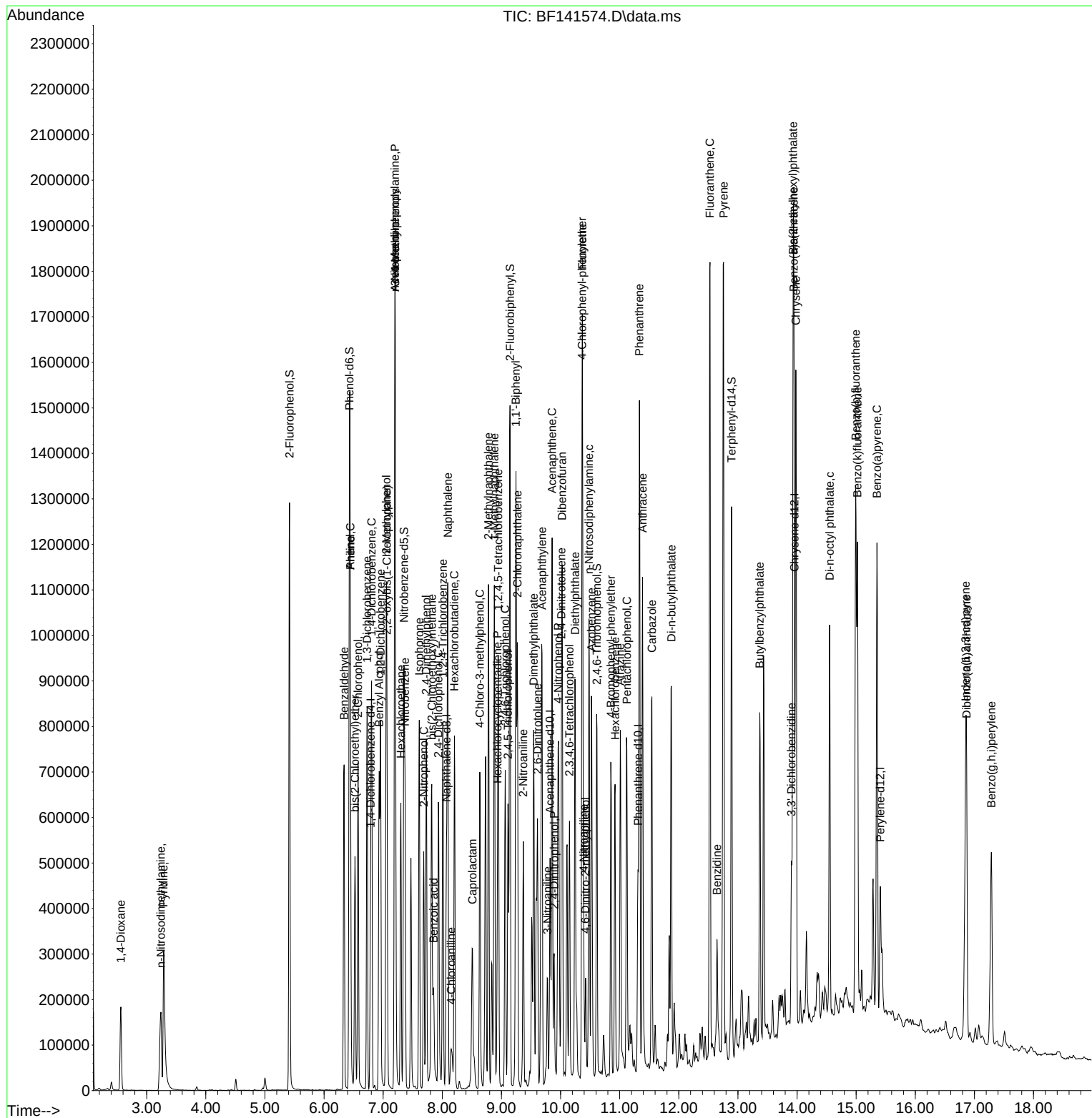
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 Data File : BF141574.D
 Acq On : 11 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1215-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

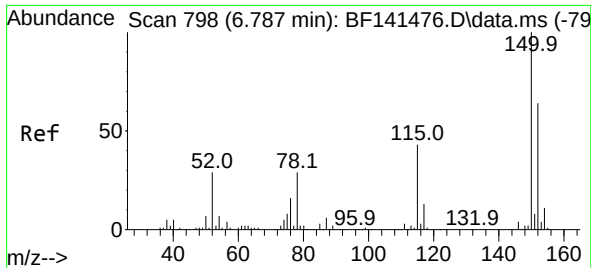
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825MSD

Quant Time: Feb 12 00:09:04 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

Manual Integrations APPROVED

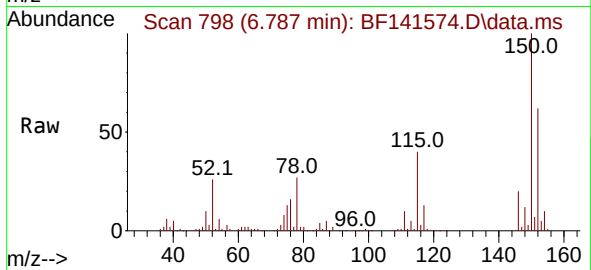
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

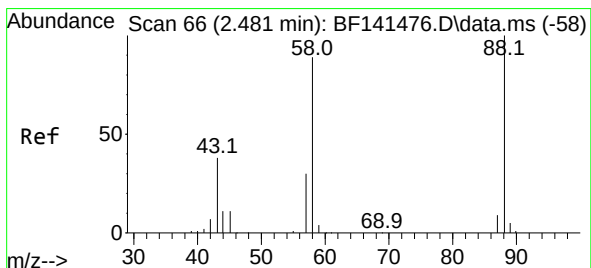
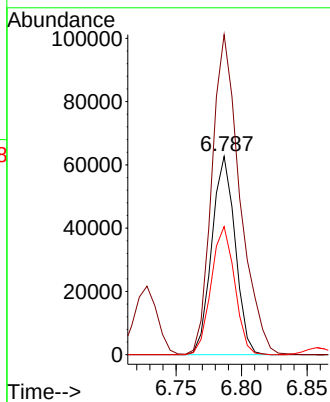
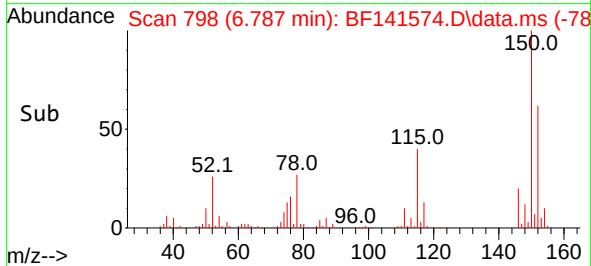
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



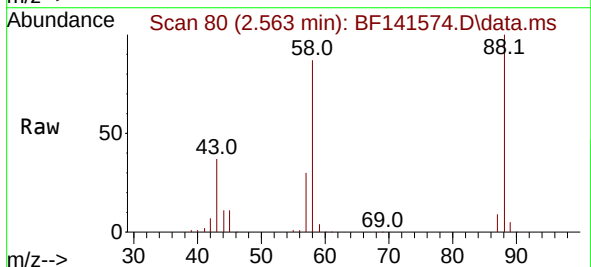
Tgt Ion:152 Resp: 77684
Ion Ratio Lower Upper
152 100
150 161.4 125.0 187.4
115 64.6 53.6 80.4

Manual Integrations
APPROVED

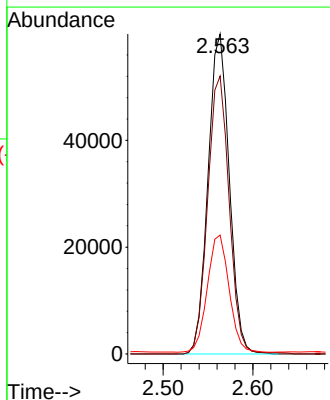
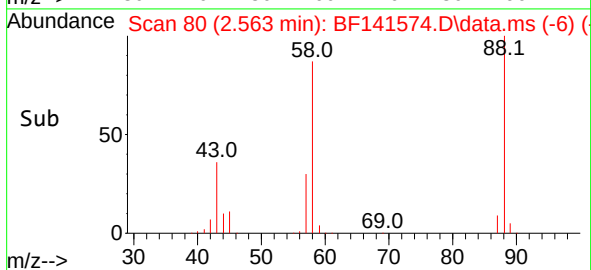
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

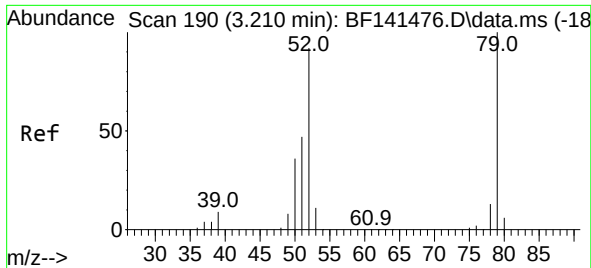


#2
1,4-Dioxane
Concen: 49.407 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.083 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



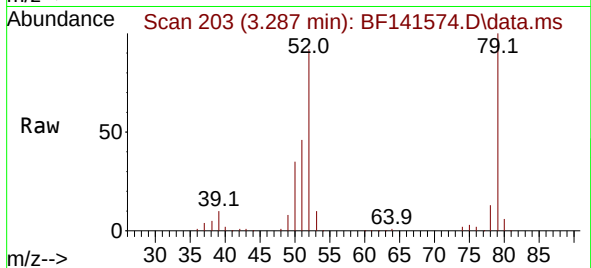
Tgt Ion: 88 Resp: 98534
Ion Ratio Lower Upper
88 100
58 88.1 71.1 106.7
43 37.4 30.6 46.0





#3
Pyridine
Concen: 44.263 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.071 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

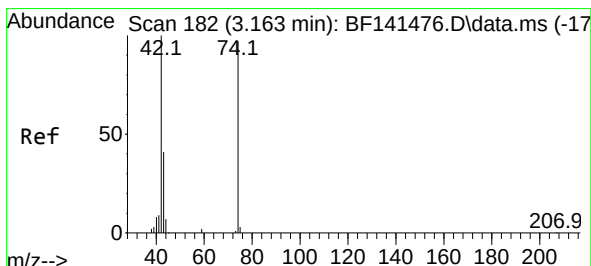
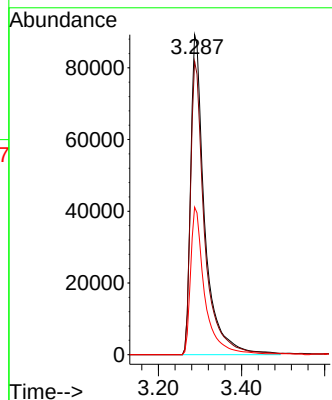
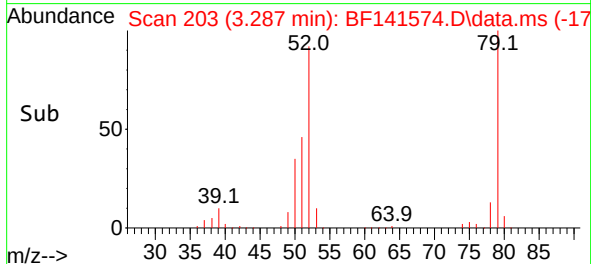
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



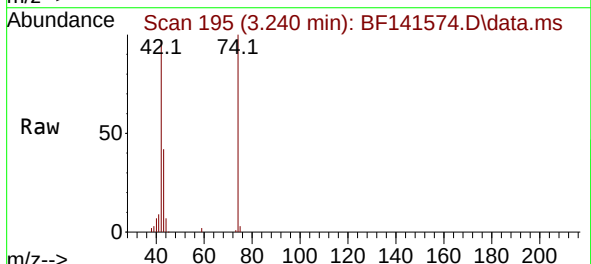
Tgt Ion: 79 Resp: 21006
Ion Ratio Lower Upper
79 100
52 91.7 73.7 110.5
51 46.1 37.5 56.3

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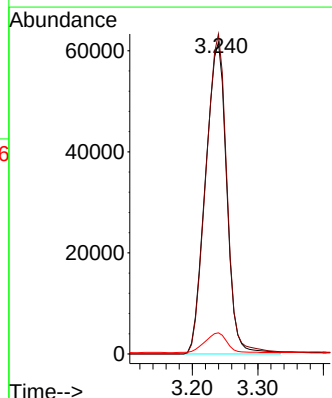
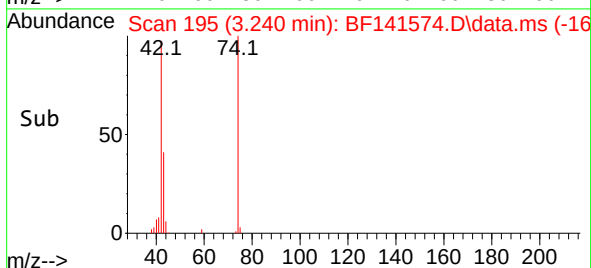
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

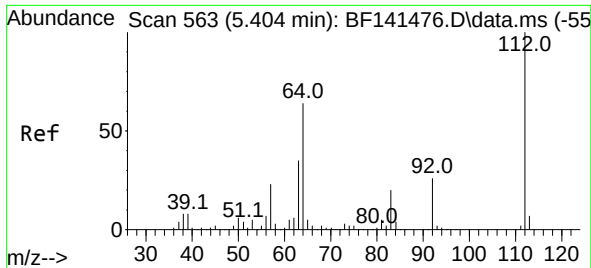


#4
n-Nitrosodimethylamine
Concen: 44.184 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



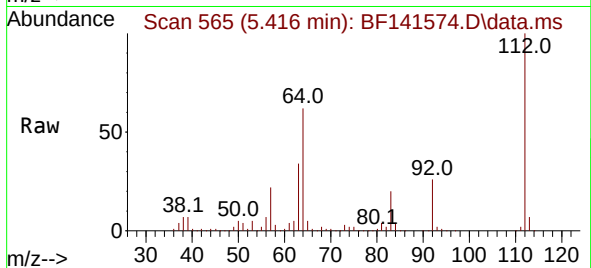
Tgt Ion: 42 Resp: 138845
Ion Ratio Lower Upper
42 100
74 102.6 78.0 117.0
44 6.8 5.4 8.2





#5
2-Fluorophenol
Concen: 94.800 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

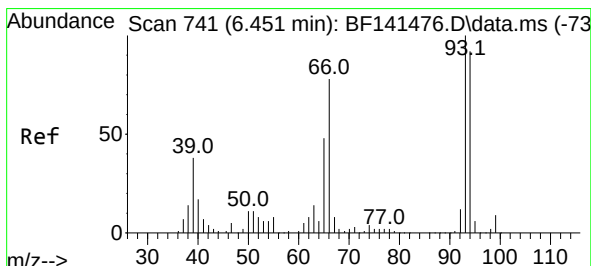
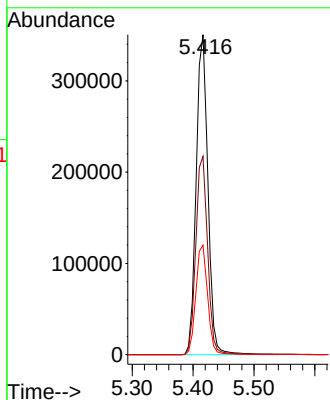
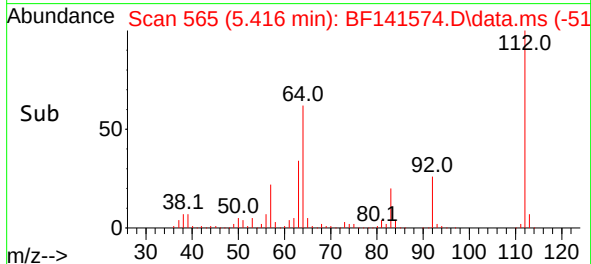
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:112 Resp: 46974
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 34.2 28.4 42.6

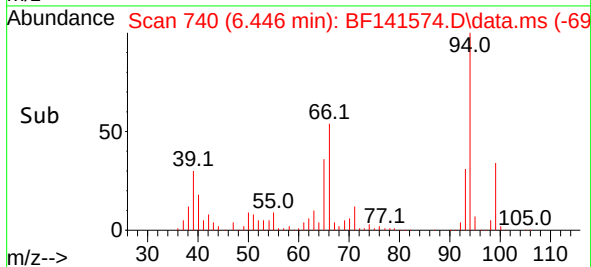
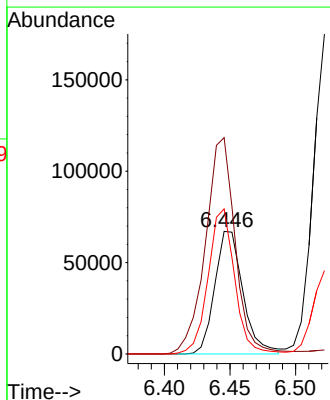
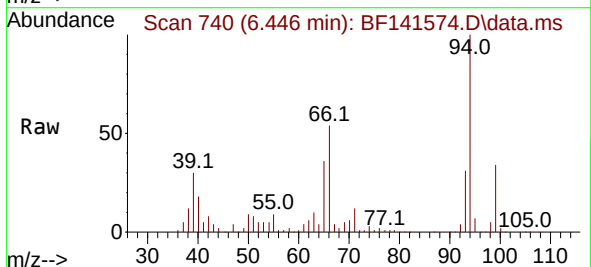
Manual Integrations
APPROVED

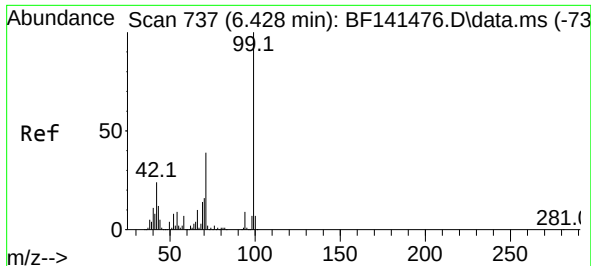
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#6
Aniline
Concen: 17.050 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 93 Resp: 100166
Ion Ratio Lower Upper
93 100
66 176.6 62.6 94.0#
65 118.4 38.3 57.5#





#7

Phenol-d6

Concen: 92.139 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141574.D

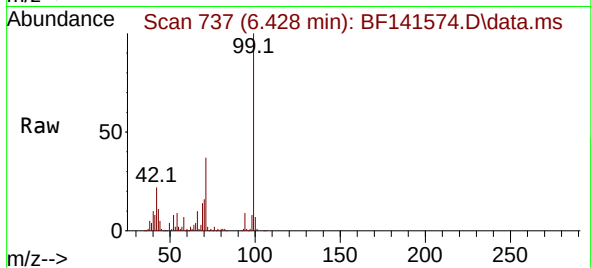
Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

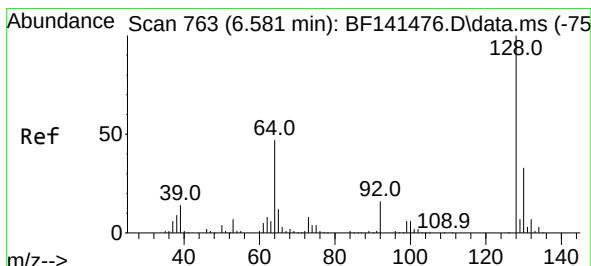
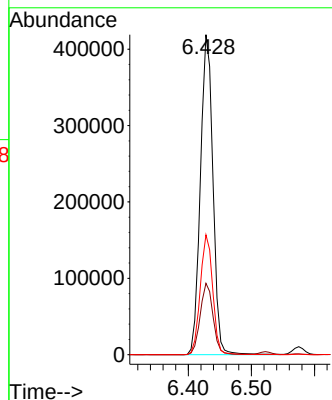
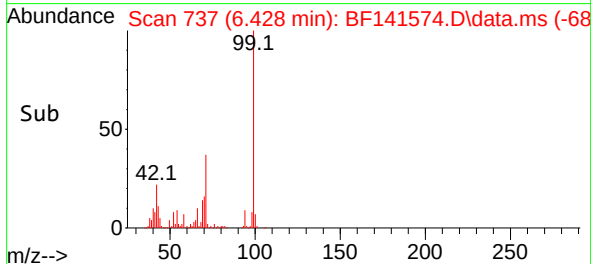


Tgt Ion:	99	Resp:	57705
Ion Ratio	Lower	Upper	
99	100		
42	22.3	19.1	28.7
71	37.5	31.1	46.7

Manual Integrations
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Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#8

2-Chlorophenol

Concen: 44.272 ng

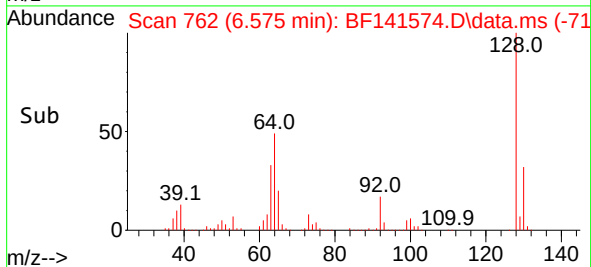
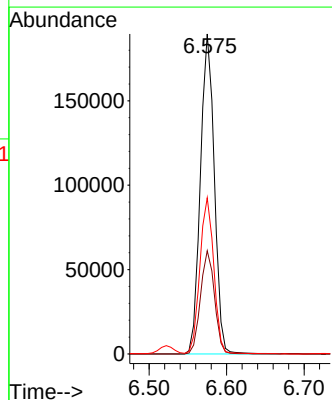
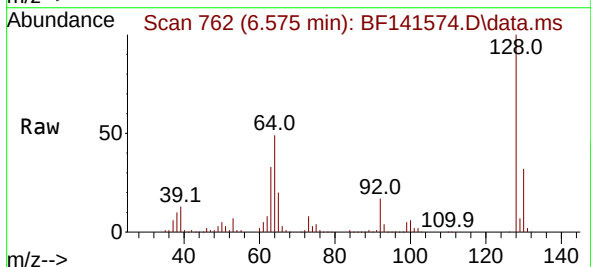
RT: 6.575 min Scan# 762

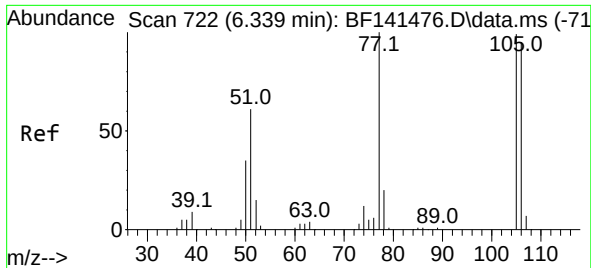
Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

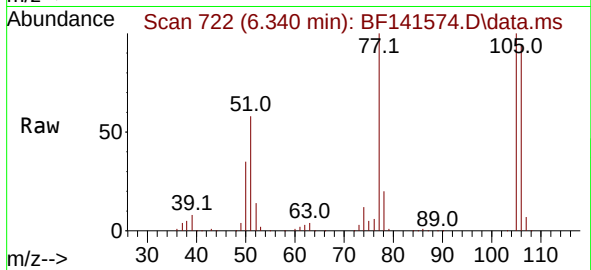
Tgt Ion:	128	Resp:	237041
Ion Ratio	Lower	Upper	
128	100		
130	32.3	12.7	52.7
64	48.8	28.3	68.3





#9
Benzaldehyde
Concen: 57.766 ng
RT: 6.340 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

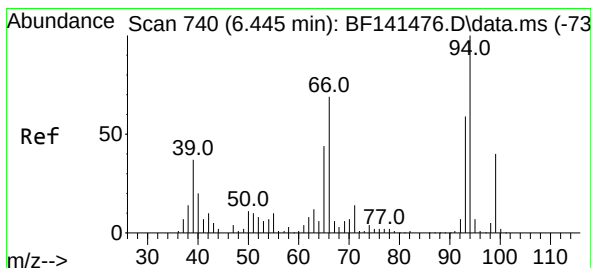
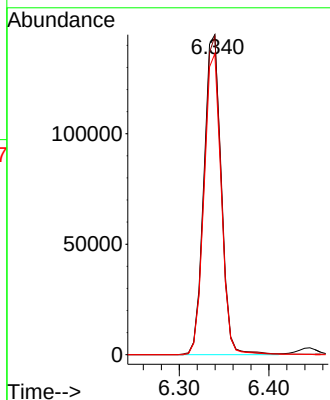
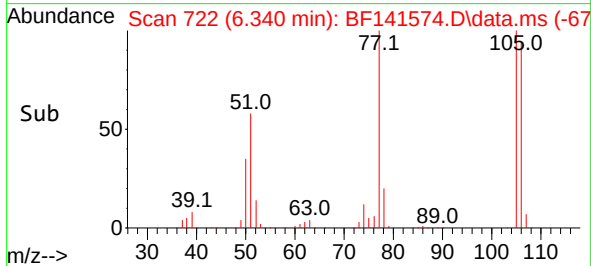
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



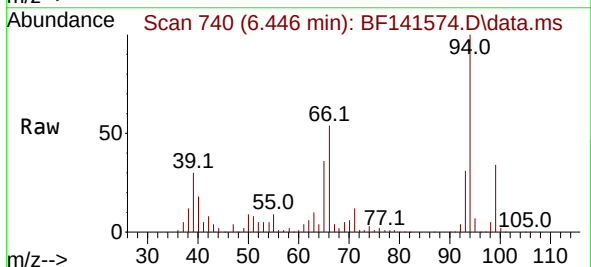
Tgt Ion: 77 Resp: 19225
Ion Ratio Lower Upper
77 100
105 99.6 79.4 119.4
106 94.0 75.1 115.1

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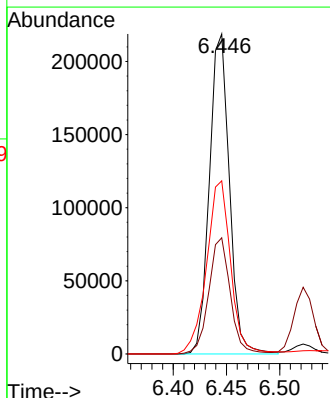
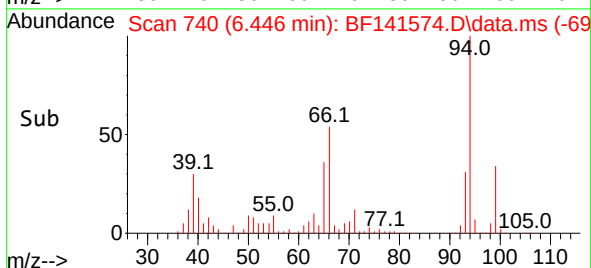
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

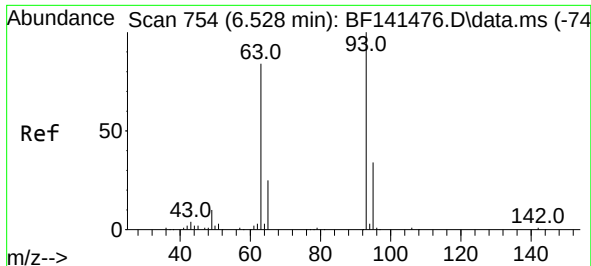


#10
Phenol
Concen: 43.767 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



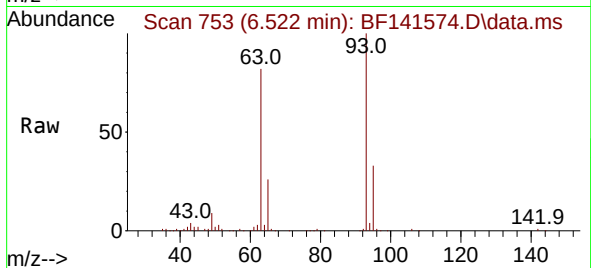
Tgt Ion: 94 Resp: 285296
Ion Ratio Lower Upper
94 100
65 36.3 23.7 63.7
66 54.1 49.3 89.3





#11
bis(2-Chloroethyl)ether
Concen: 47.516 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

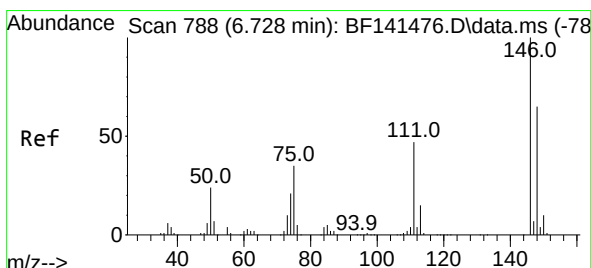
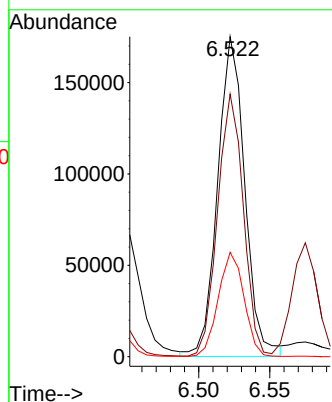
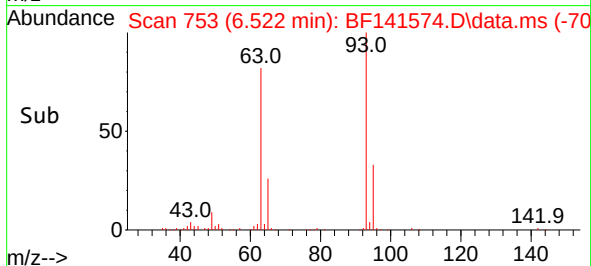
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



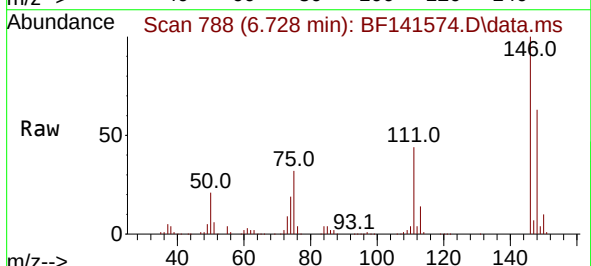
Tgt Ion: 93 Resp: 232644
Ion Ratio Lower Upper
93 100
63 82.1 62.0 102.0
95 32.6 12.6 52.6

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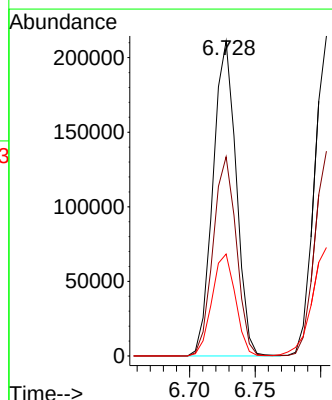
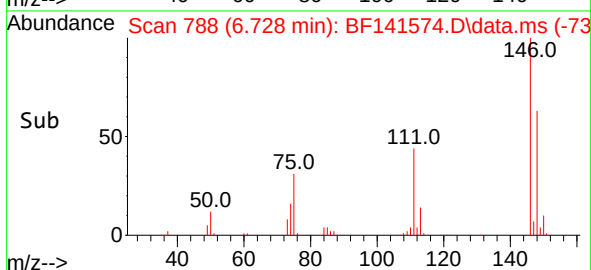
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

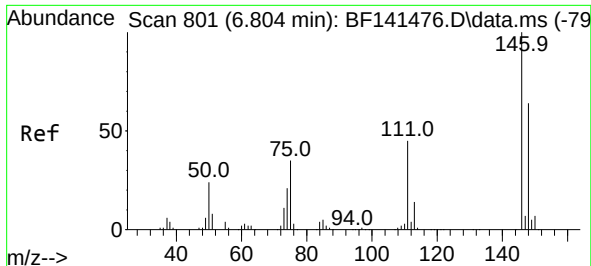


#12
1,3-Dichlorobenzene
Concen: 45.845 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:146 Resp: 259144
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
75 32.4 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 45.309 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

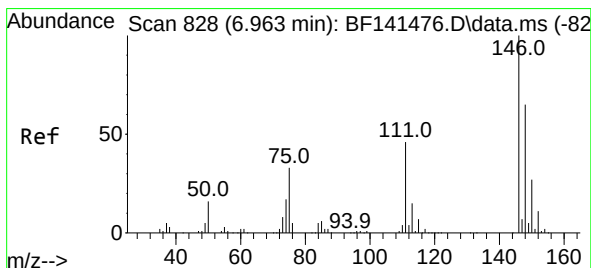
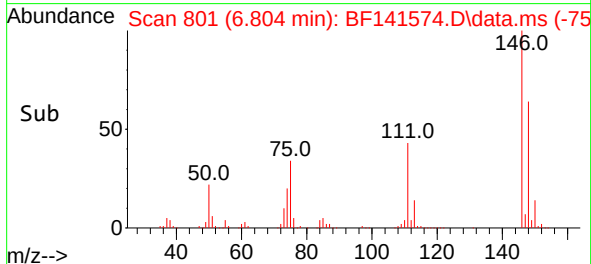
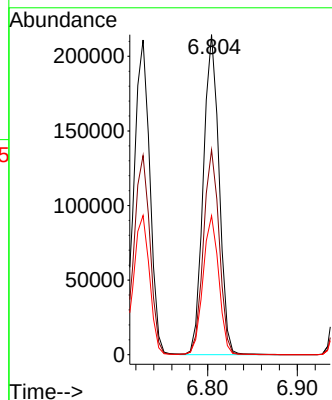
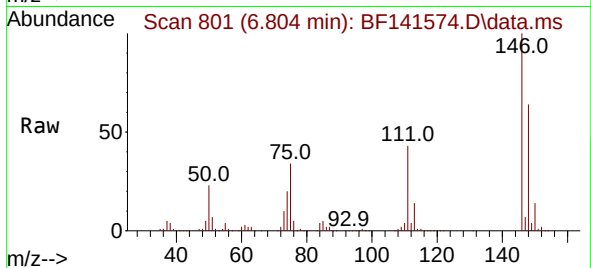
Tgt Ion:146 Resp: 261674

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.9	76.3
111	43.4	35.9	53.9

Manual Integrations
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Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#14

1,2-Dichlorobenzene

Concen: 45.927 ng

RT: 6.957 min Scan# 827

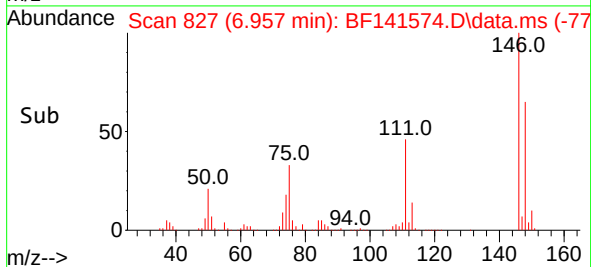
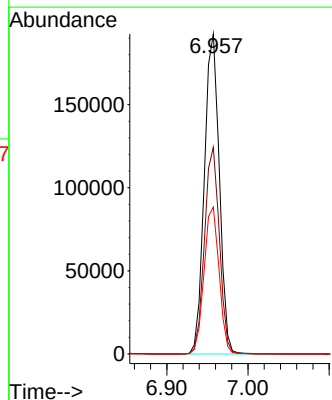
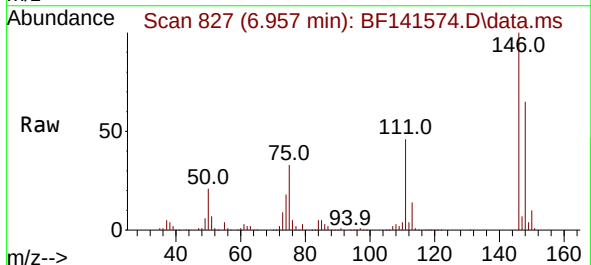
Delta R.T. -0.006 min

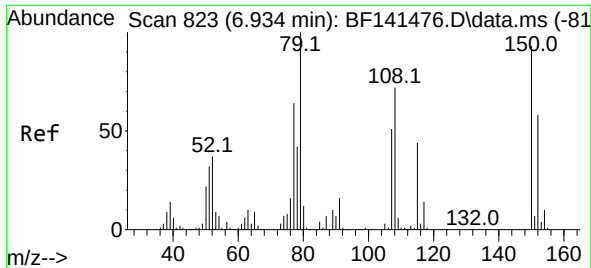
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion:146 Resp: 246175

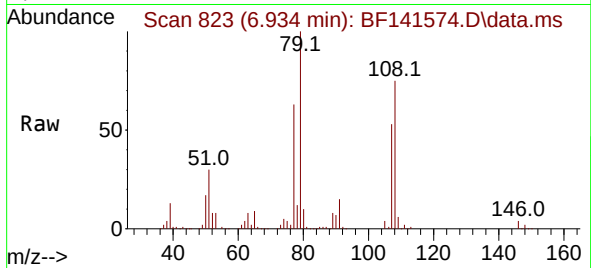
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.6
111	45.9	37.0	55.4





#15
Benzyl Alcohol
Concen: 42.513 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

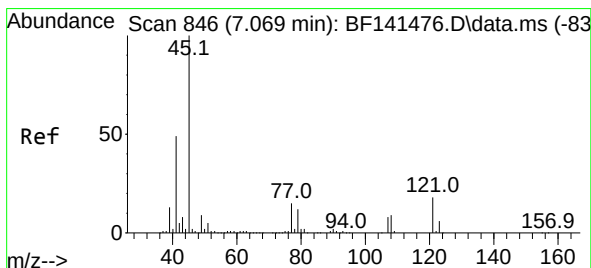
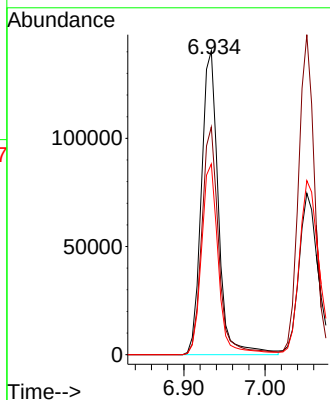
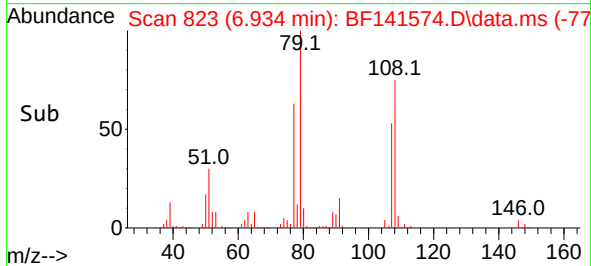
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



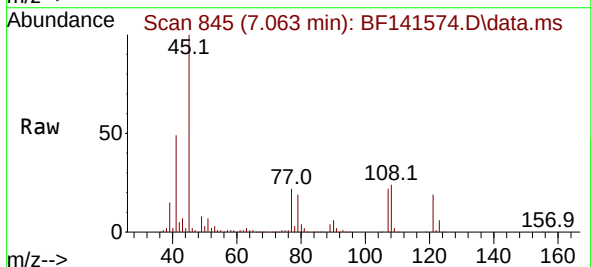
Tgt Ion: 79 Resp: 204170
Ion Ratio Lower Upper
79 100
108 75.0 57.4 86.2
77 62.8 50.9 76.3

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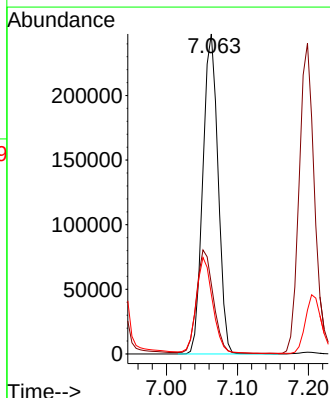
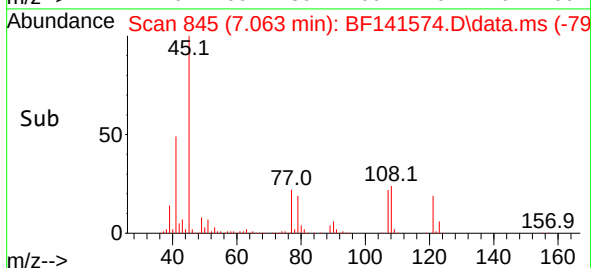
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

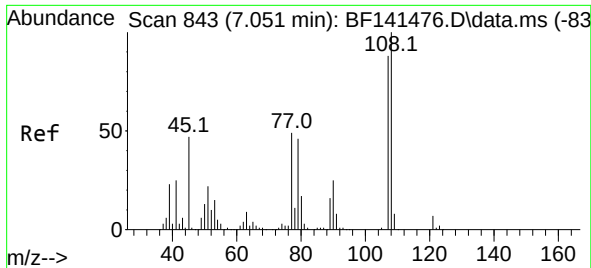


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.041 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



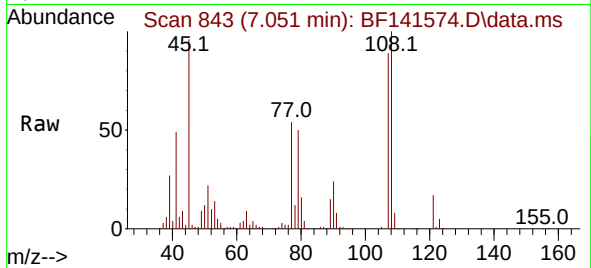
Tgt Ion: 45 Resp: 369115
Ion Ratio Lower Upper
45 100
77 21.9 0.0 35.8
79 18.7 0.0 32.7





#17
2-Methylphenol
Concen: 43.573 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD

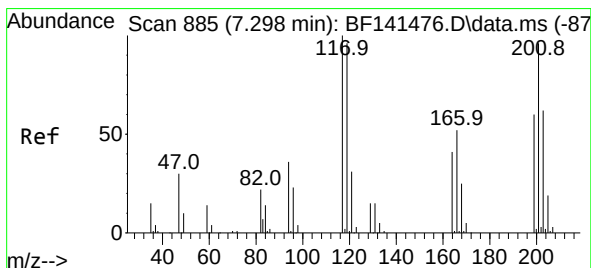
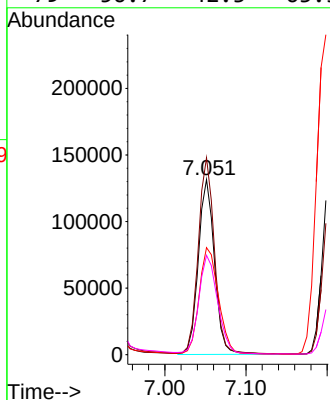
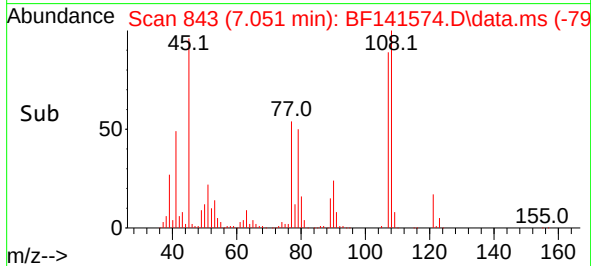


Tgt Ion:107 Resp: 182572

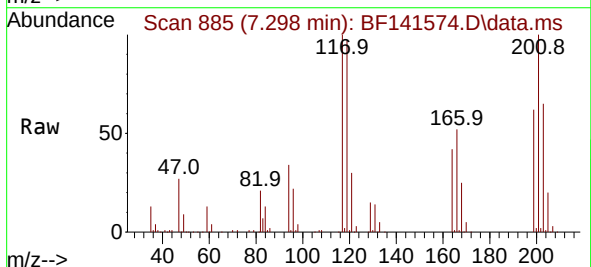
Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	136.0
77	61.1	44.4	66.6
79	56.7	42.3	63.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

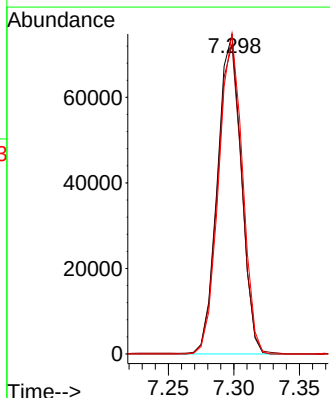
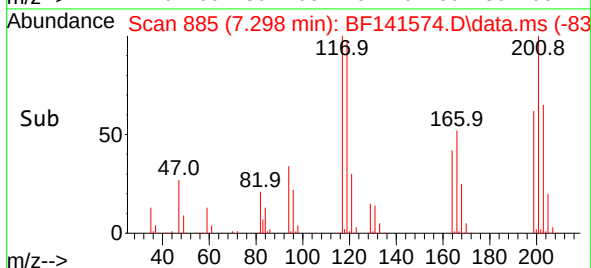


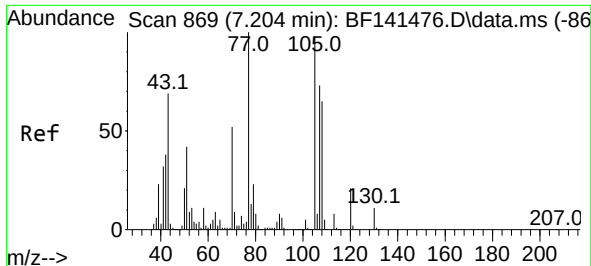
#18
Hexachloroethane
Concen: 44.143 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:117 Resp: 94350

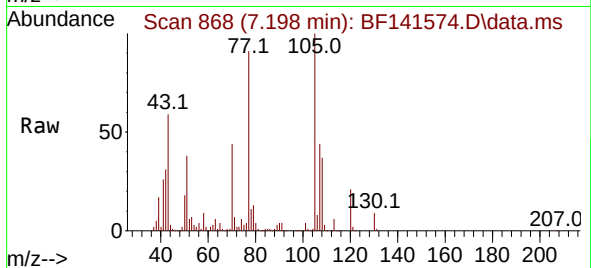
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7
201	100.3	76.7	115.1





#19
n-Nitroso-di-n-propylamine
Concen: 44.049 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

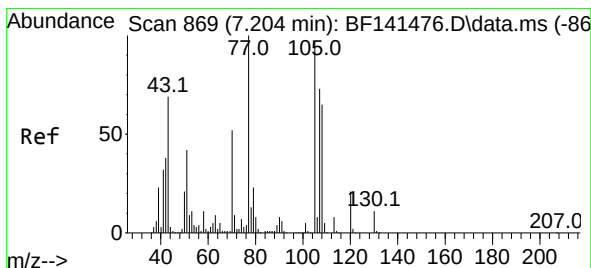
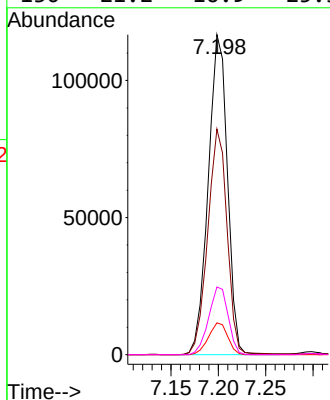
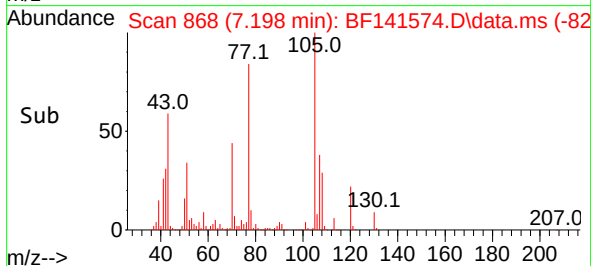
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



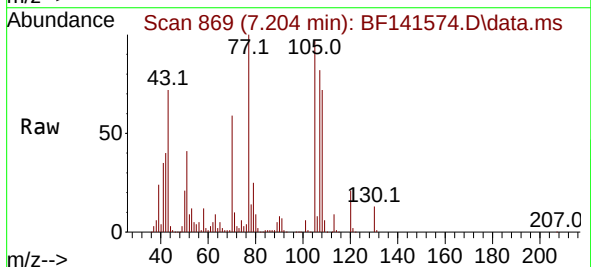
Tgt Ion: 70 Resp: 165010
Ion Ratio Lower Upper
70 100
42 70.5 57.4 86.2
101 10.0 8.0 12.0
130 21.2 16.9 25.3

Manual Integrations
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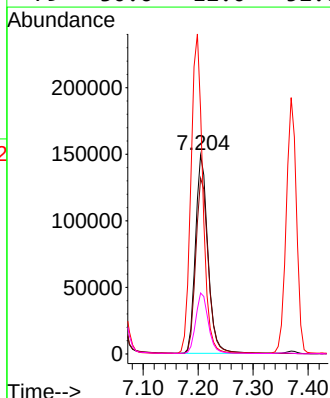
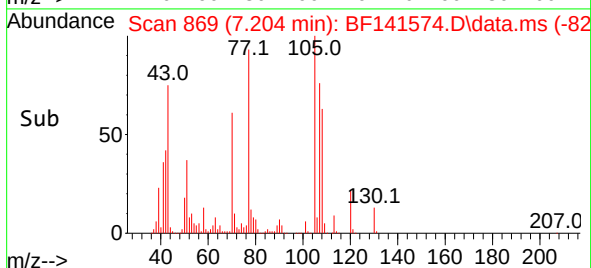
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

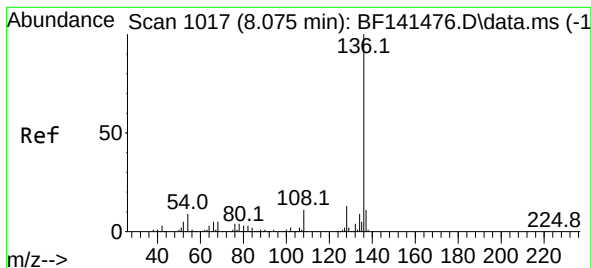


#20
3+4-Methylphenols
Concen: 43.981 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



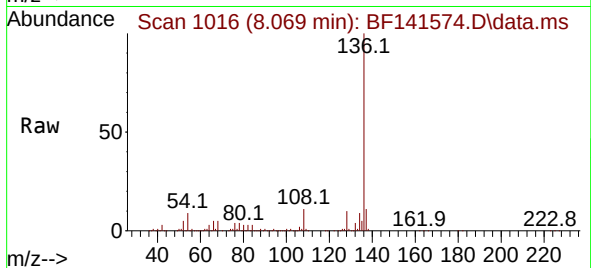
Tgt Ion:107 Resp: 234193
Ion Ratio Lower Upper
107 100
108 88.4 68.5 108.5
77 122.4 116.5 156.5
79 30.6 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

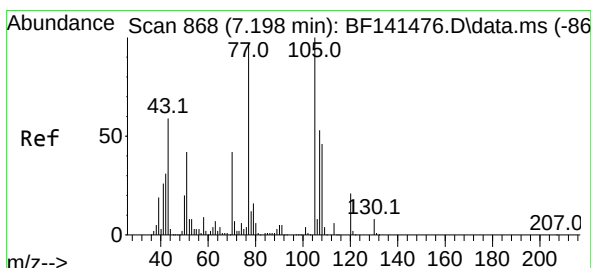
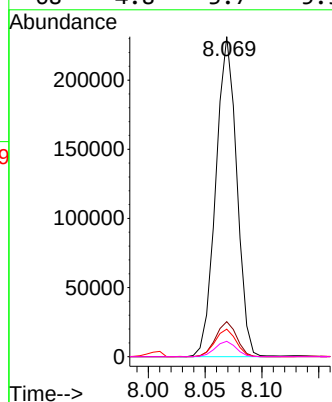
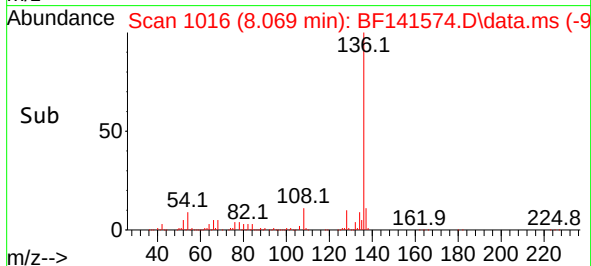
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



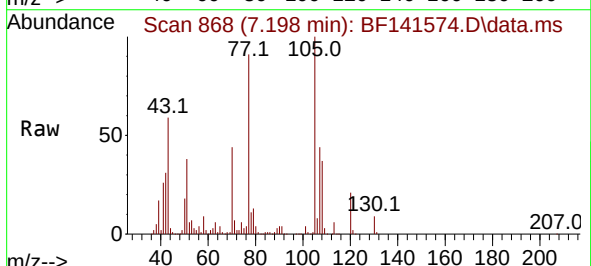
Tgt Ion:136 Resp: 297197
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 7.2 10.8
68 4.8 3.7 5.5

Manual Integrations
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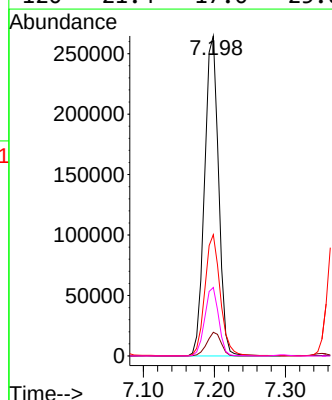
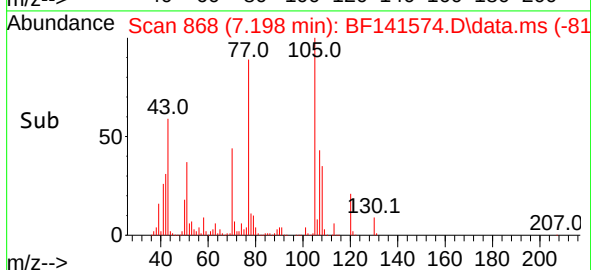
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

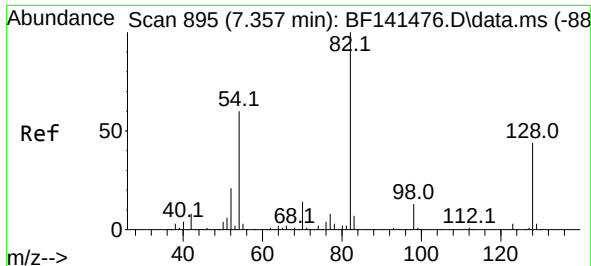


#22
Acetophenone
Concen: 49.335 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:105 Resp: 364730
Ion Ratio Lower Upper
105 100
71 7.4 5.7 8.5
51 37.9 33.7 50.5
120 21.4 17.0 25.6





#23

Nitrobenzene-d5

Concen: 68.363 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

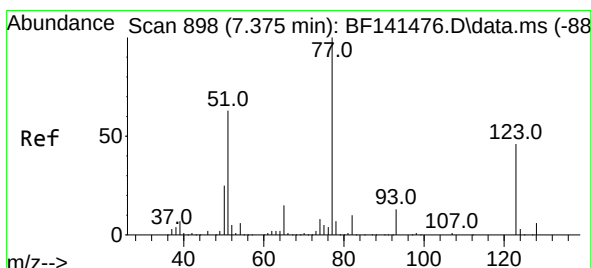
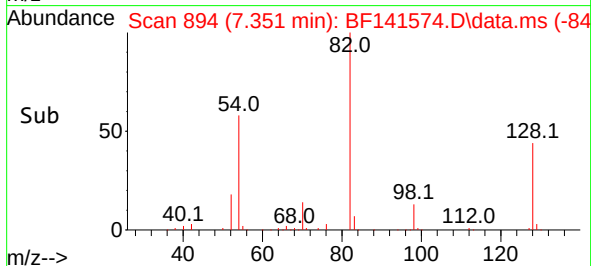
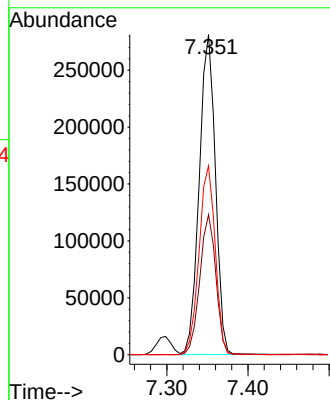
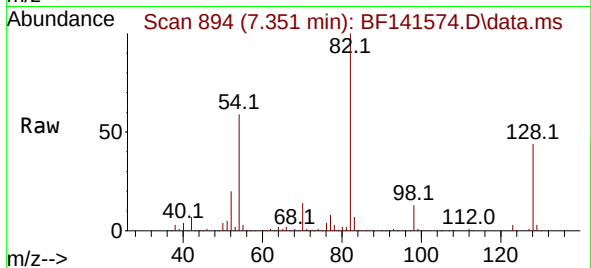
Tgt Ion: 82 Resp: 38953

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	59.0	48.2	72.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#24

Nitrobenzene

Concen: 44.426 ng

RT: 7.369 min Scan# 897

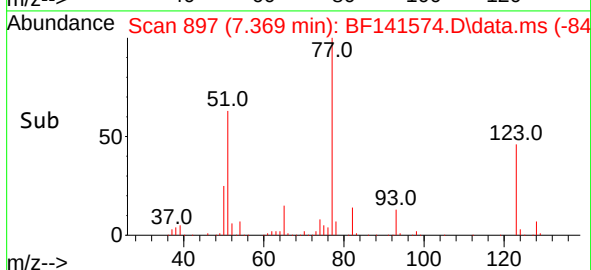
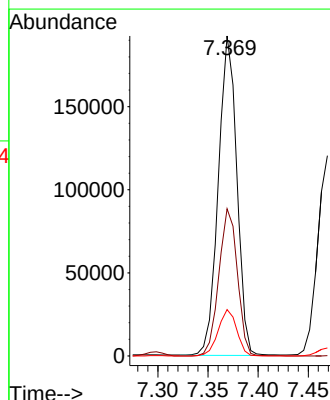
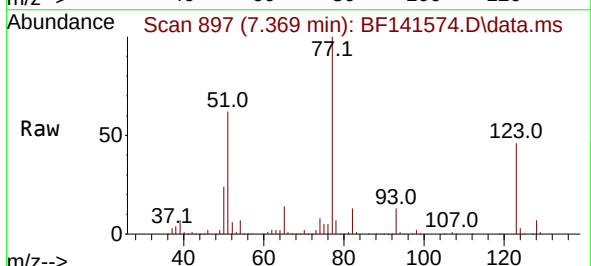
Delta R.T. -0.012 min

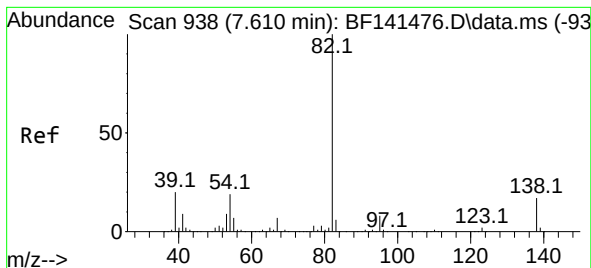
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion: 77 Resp: 246843

Ion	Ratio	Lower	Upper
77	100		
123	46.0	36.9	55.3
65	14.5	11.9	17.9





#25

Isophorone

Concen: 46.636 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

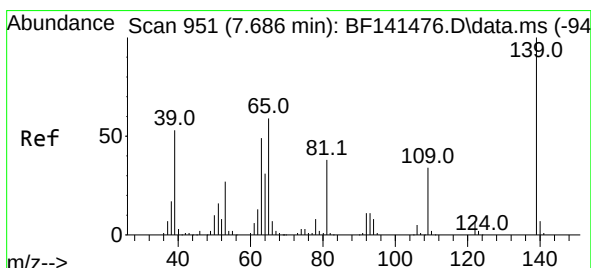
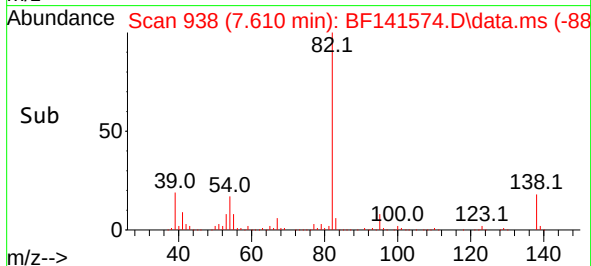
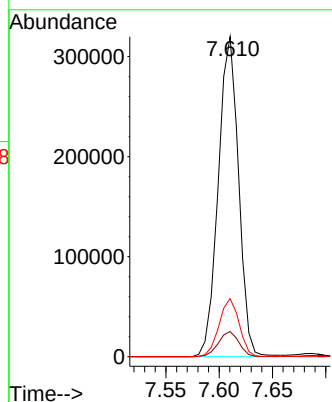
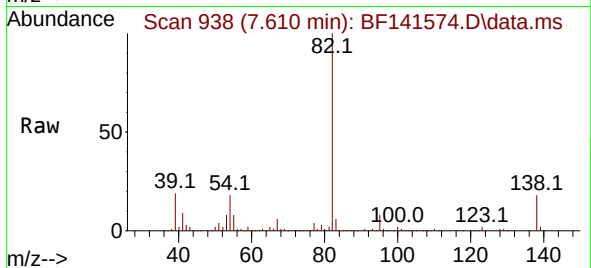
Tgt Ion: 82 Resp: 423704

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.1	13.9	20.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#26

2-Nitrophenol

Concen: 44.837 ng

RT: 7.687 min Scan# 951

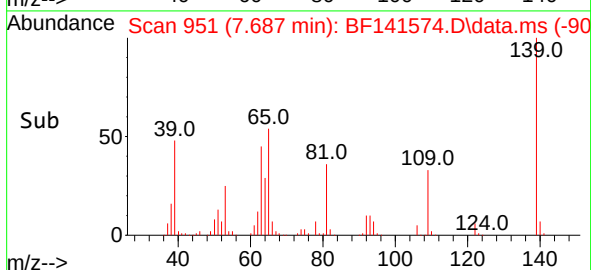
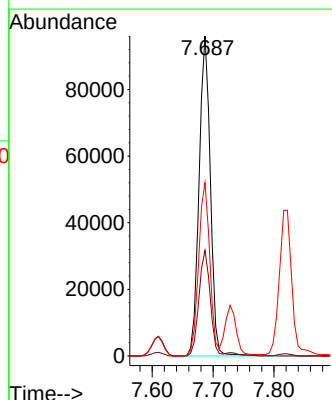
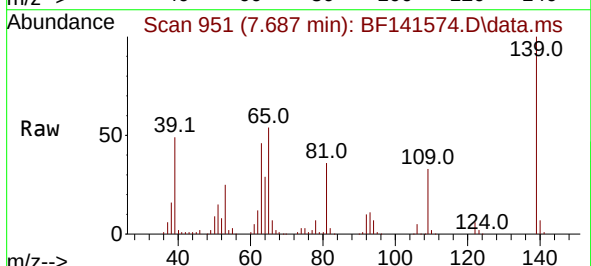
Delta R.T. -0.006 min

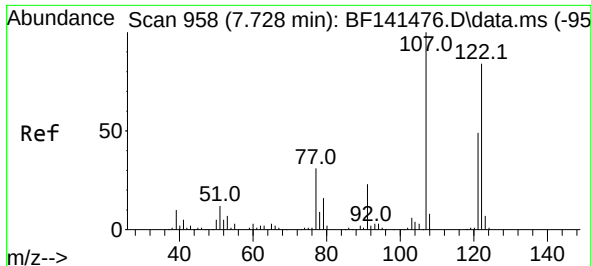
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion:139 Resp: 123944

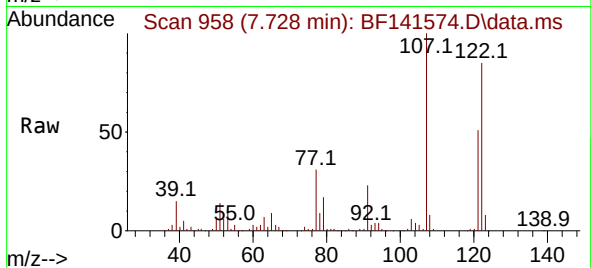
Ion	Ratio	Lower	Upper
139	100		
109	33.0	27.0	40.6
65	54.1	47.1	70.7





#27
2,4-Dimethylphenol
Concen: 55.244 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

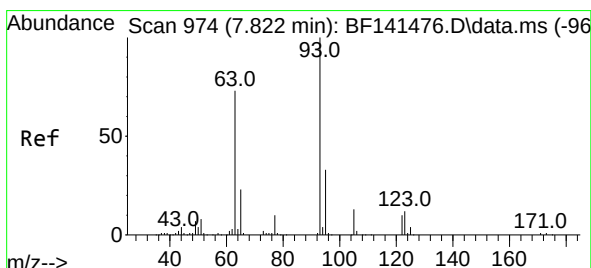
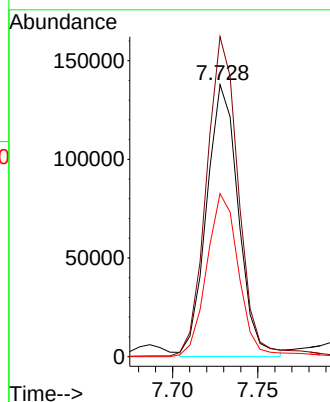
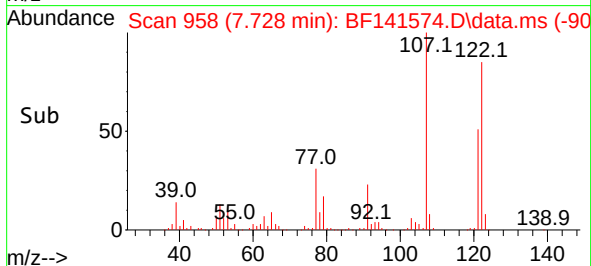
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:122 Resp: 17840
Ion Ratio Lower Upper
122 100
107 117.6 94.3 141.5
121 60.0 46.0 69.0

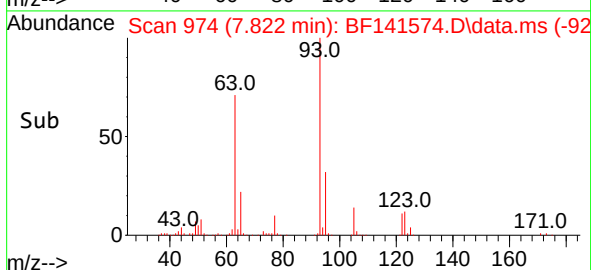
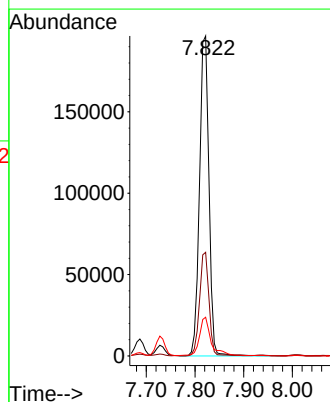
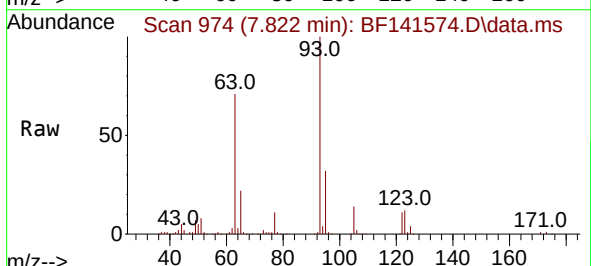
Manual Integrations
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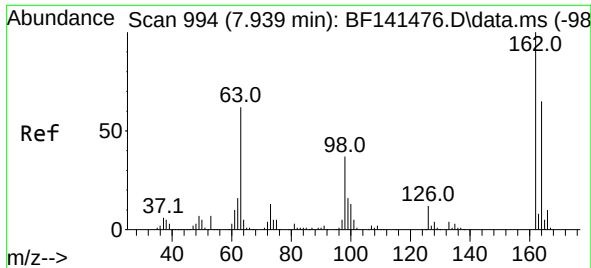
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#28
bis(2-Chloroethoxy)methane
Concen: 45.820 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion: 93 Resp: 266748
Ion Ratio Lower Upper
93 100
95 32.4 26.1 39.1
123 12.1 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 43.129 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

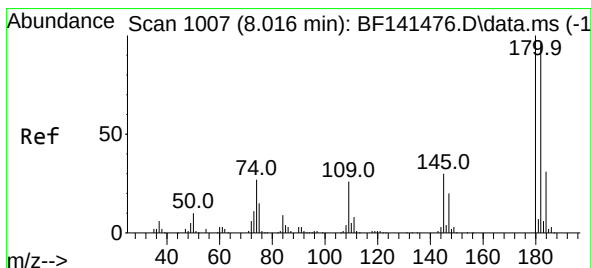
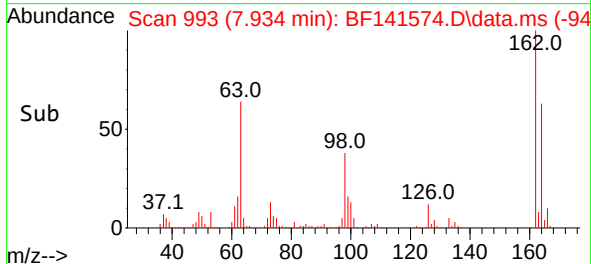
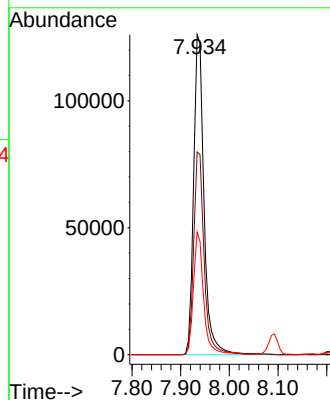
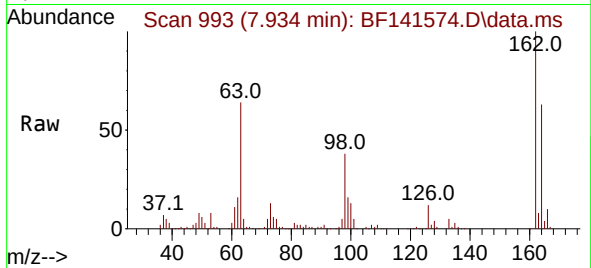
Tgt Ion:162	Resp: 18818
Ion Ratio	Lower Upper
162 100	
164 63.3	44.6 84.6
98 38.4	17.2 57.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.889 ng

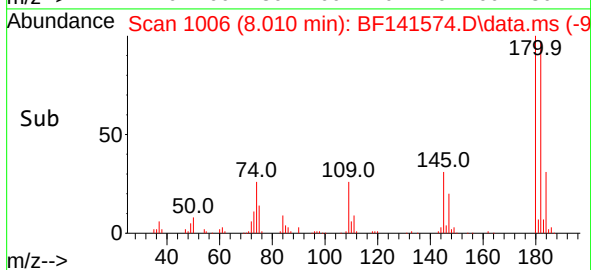
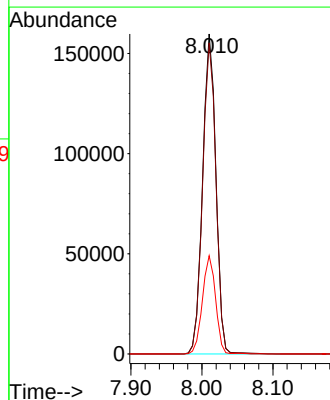
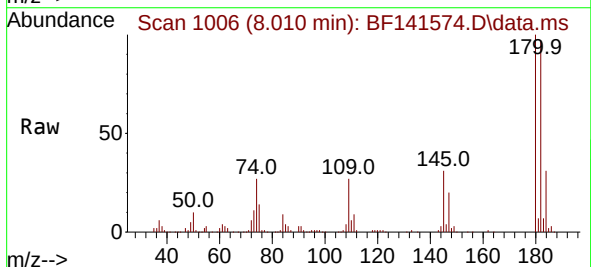
RT: 8.010 min Scan# 1006

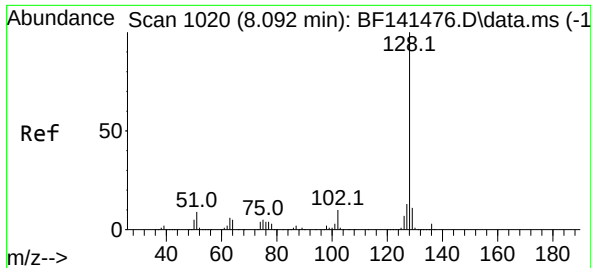
Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

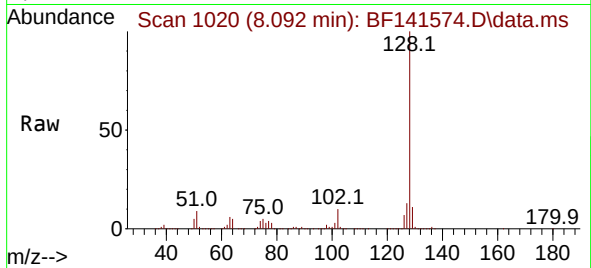
Tgt Ion:180	Resp: 208540
Ion Ratio	Lower Upper
180 100	
182 97.2	76.8 115.2
145 30.7	24.2 36.4





#31
Naphthalene
Concen: 44.804 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

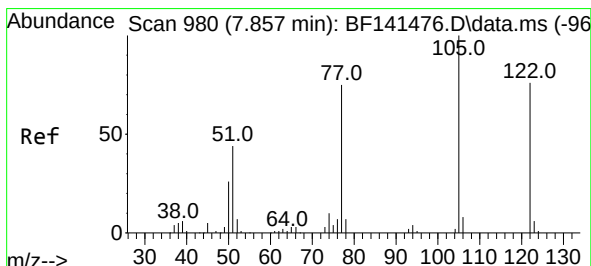
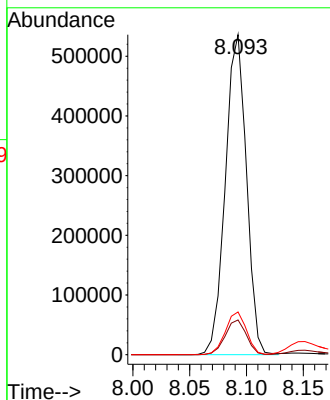
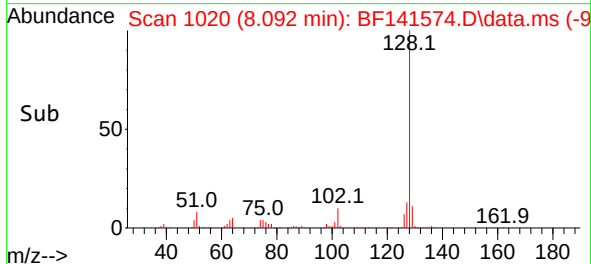
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



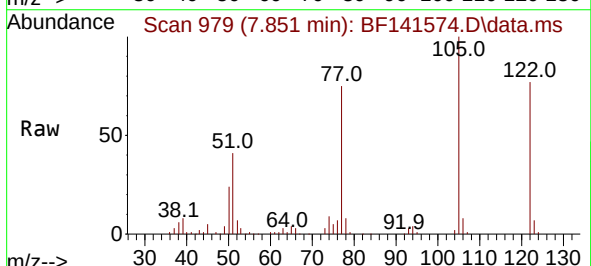
Tgt Ion:128 Resp: 693134
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.7 16.1

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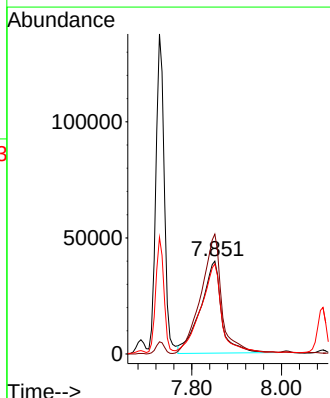
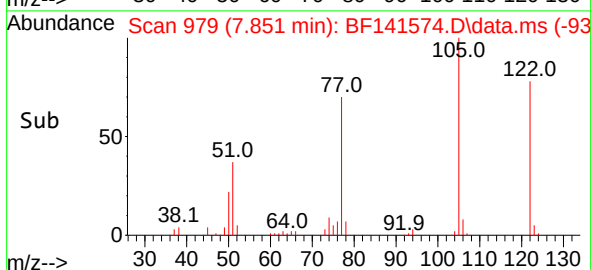
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

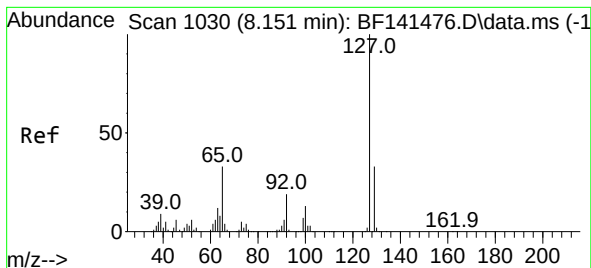


#32
Benzoic acid
Concen: 38.454 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



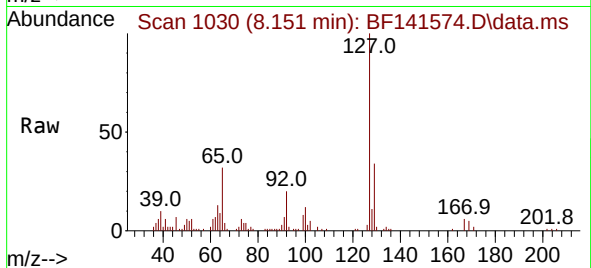
Tgt Ion:122 Resp: 128987
Ion Ratio Lower Upper
122 100
105 129.2 106.5 146.5
77 97.1 76.3 116.3





#33
4-Chloroaniline
Concen: 9.288 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

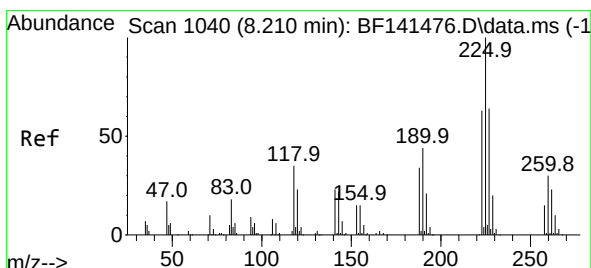
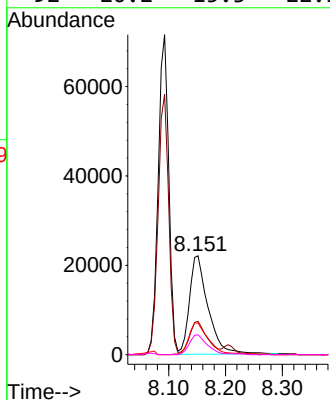
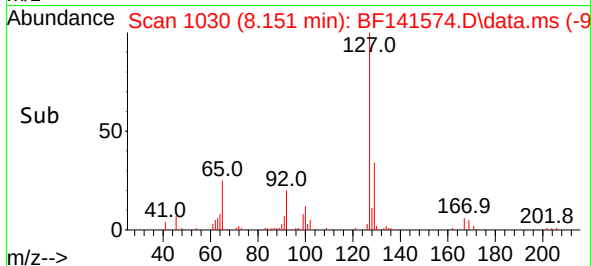
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



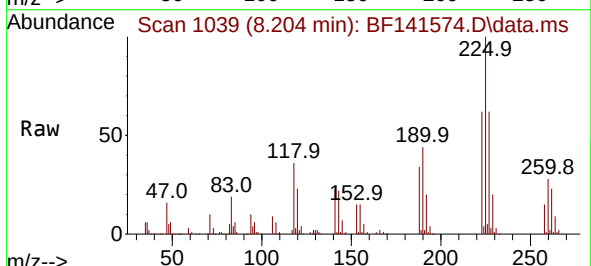
Tgt Ion:	127	Resp:	5016
Ion Ratio	Lower	Upper	
127	100		
129	33.6	26.5	39.7
65	31.9	26.4	39.6
92	20.2	15.3	22.9

Manual Integrations
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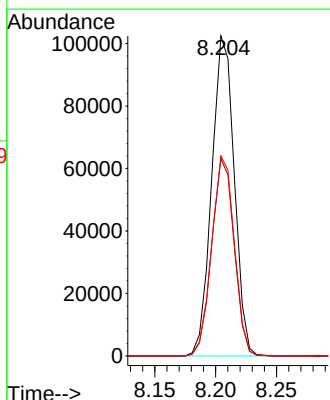
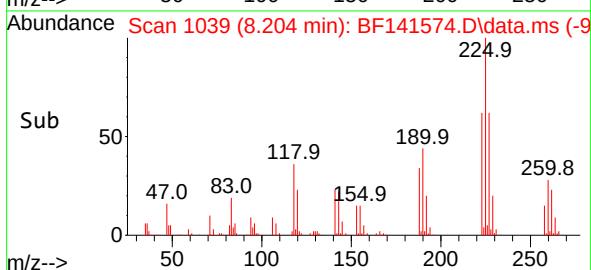
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

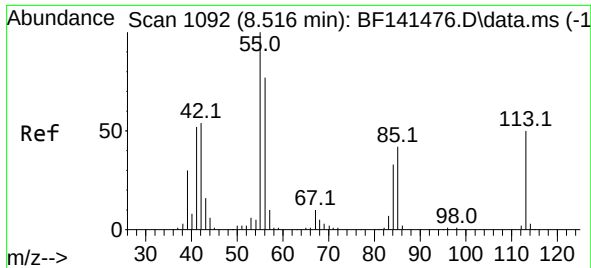


#34
Hexachlorobutadiene
Concen: 46.238 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



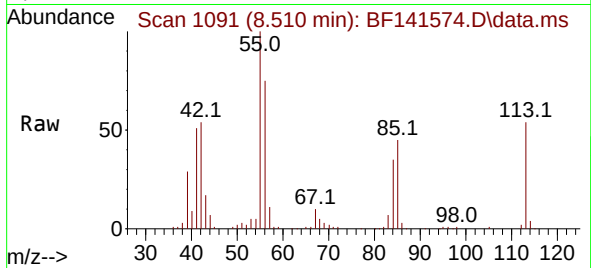
Tgt Ion:	225	Resp:	131893
Ion Ratio	Lower	Upper	
225	100		
223	61.7	50.1	75.1
227	62.5	51.0	76.6





#35
Caprolactam
Concen: 48.251 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

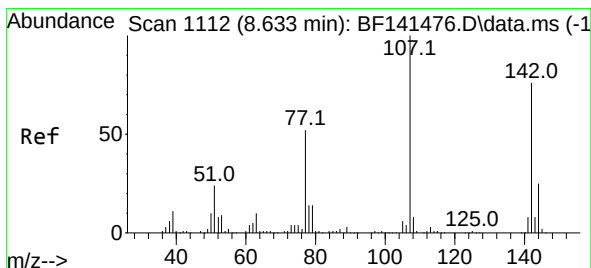
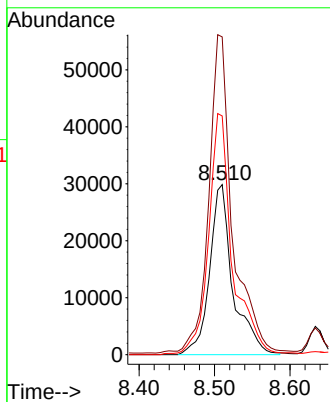
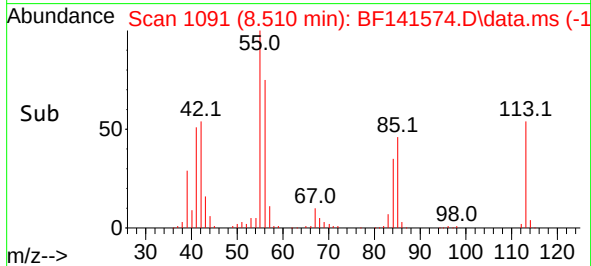
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



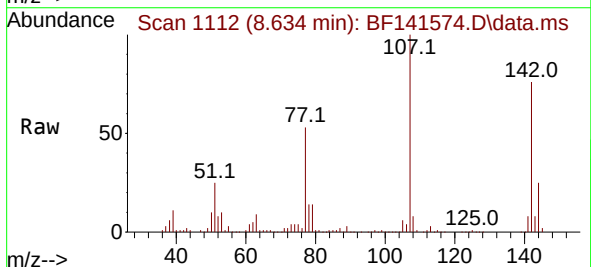
Tgt Ion:113 Resp: 6410
Ion Ratio Lower Upper
113 100
55 186.7 180.8 220.8
56 140.3 133.6 173.6

Manual Integrations
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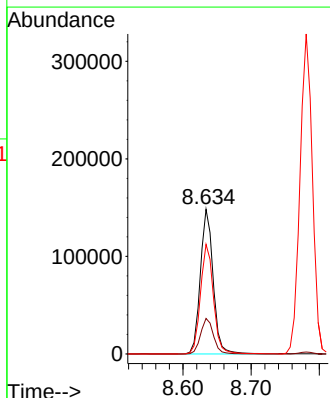
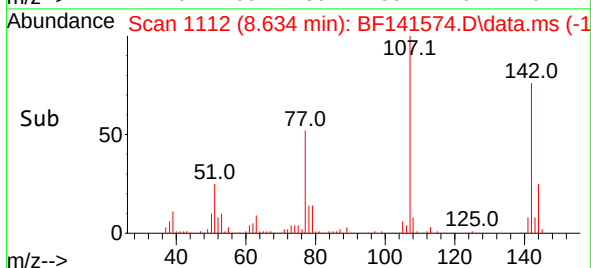
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

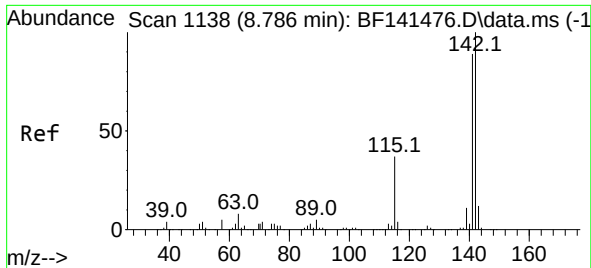


#36
4-Chloro-3-methylphenol
Concen: 40.225 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



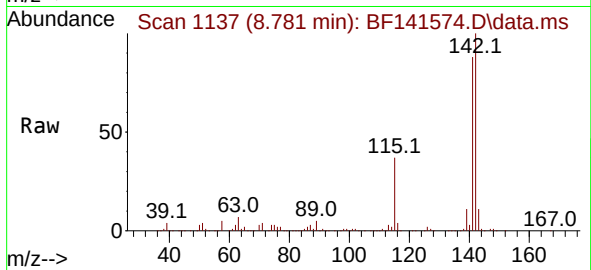
Tgt Ion:107 Resp: 194418
Ion Ratio Lower Upper
107 100
144 24.5 19.7 29.5
142 75.8 60.8 91.2





#37
2-Methylnaphthalene
Concen: 41.369 ng
RT: 8.781 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

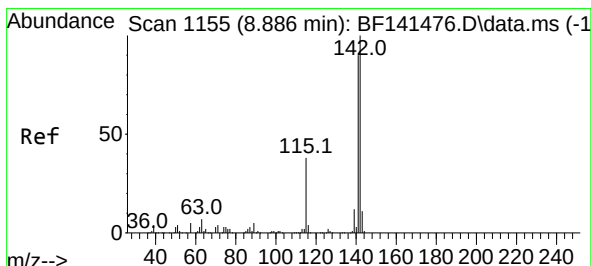
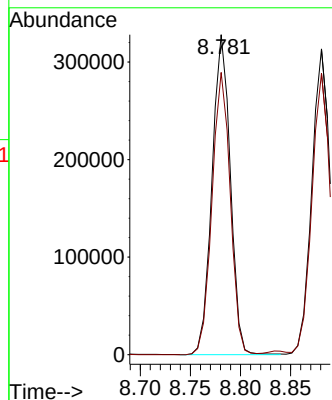
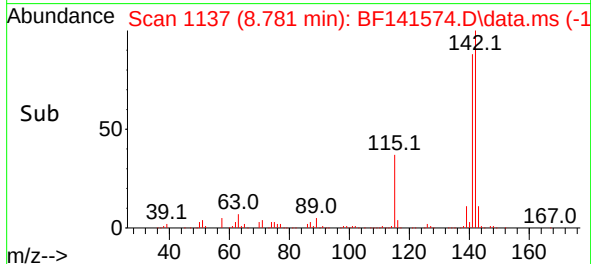
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



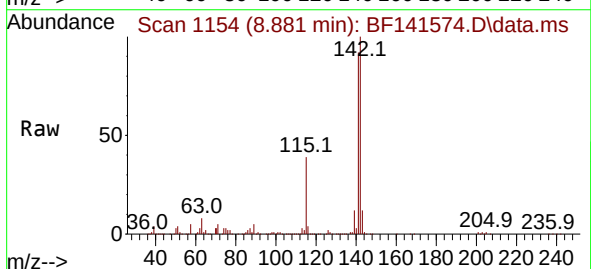
Tgt Ion:142 Resp: 416459
Ion Ratio Lower Upper
142 100
141 88.2 71.2 106.8

Manual Integrations
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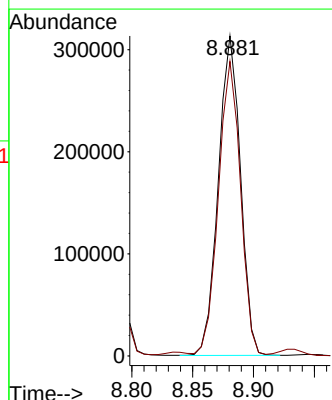
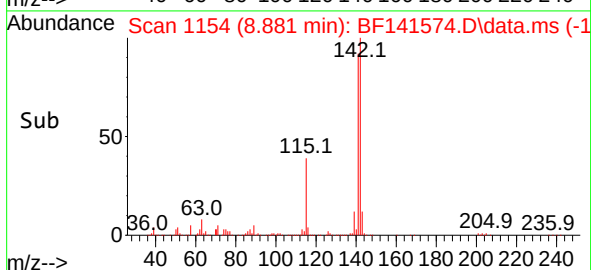
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

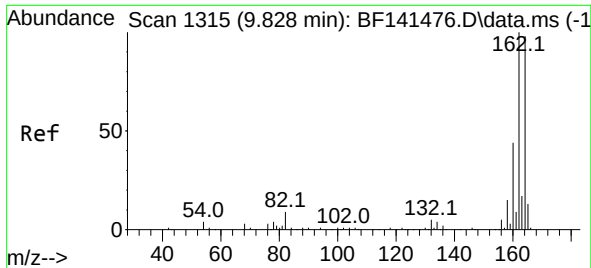


#38
1-Methylnaphthalene
Concen: 40.605 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



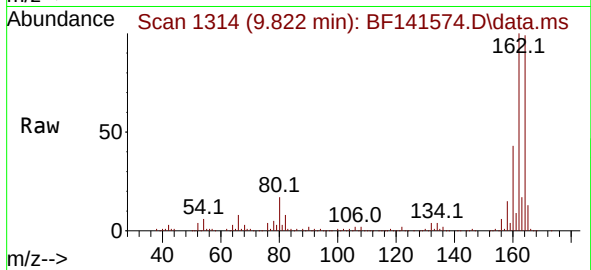
Tgt Ion:142 Resp: 395909
Ion Ratio Lower Upper
142 100
141 92.1 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

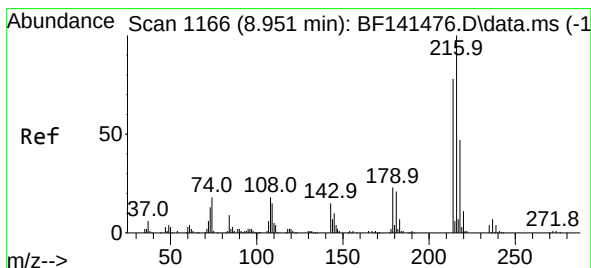
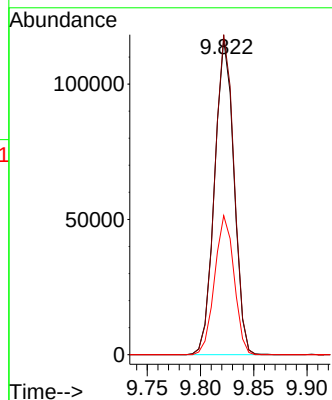
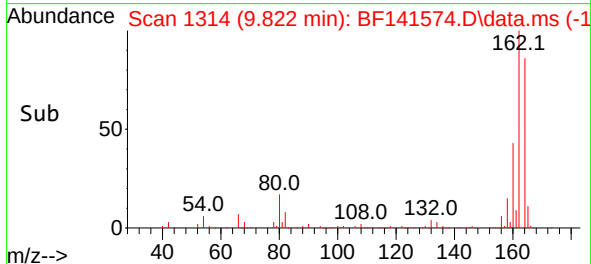
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



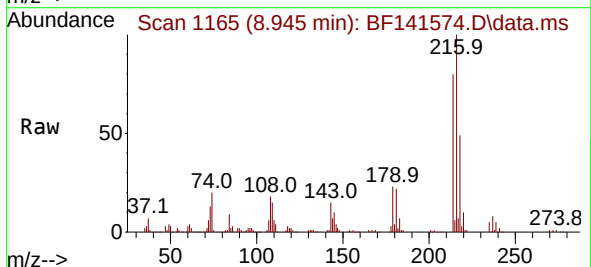
Tgt Ion:164 Resp: 147170
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 44.1 35.9 53.9

Manual Integrations
APPROVED

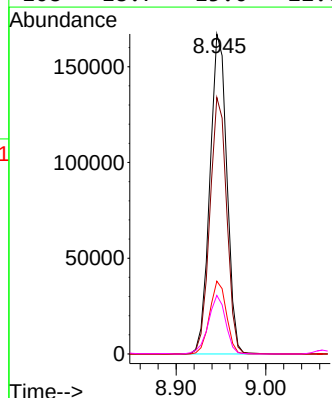
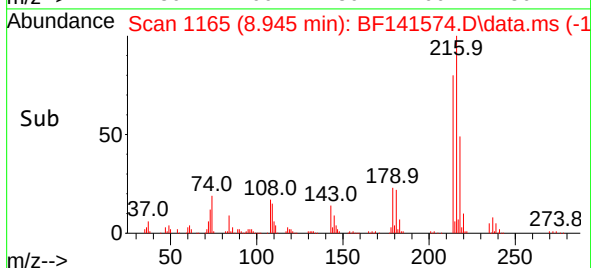
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

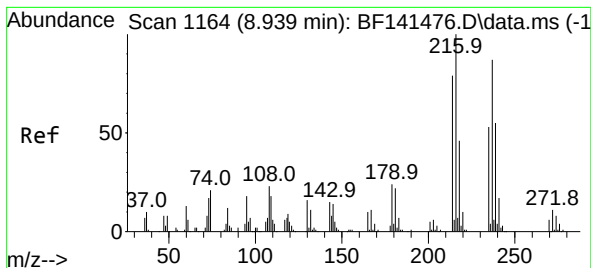


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.485 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:216 Resp: 219213
Ion Ratio Lower Upper
216 100
214 79.7 62.3 93.5
179 22.4 18.0 27.0
108 18.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 47.146 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

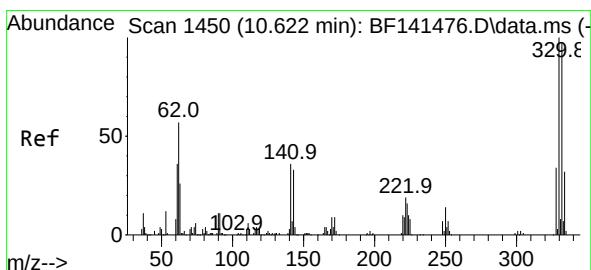
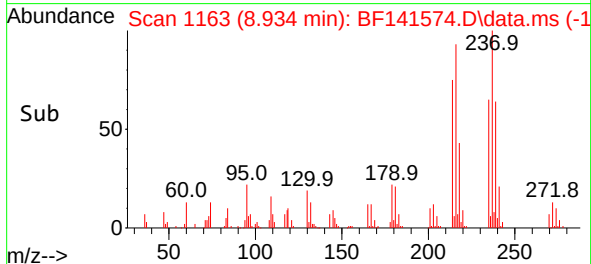
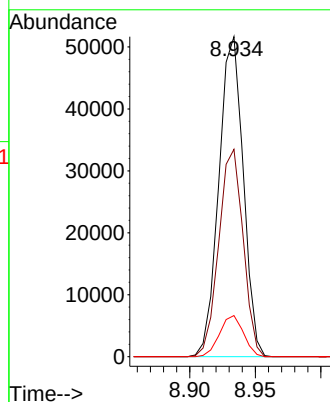
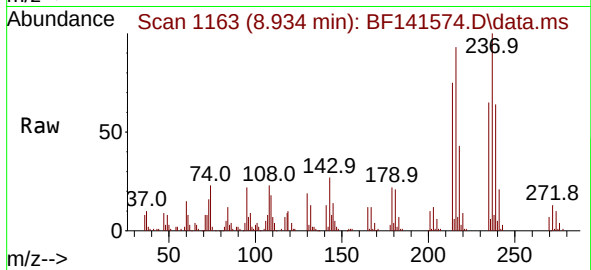
ClientSampleId :

JPP-29.1-012825MSD

Tgt Ion:237	Resp: 6676
Ion Ratio	Lower Upper
237 100	
235 64.8	41.4 81.4
272 12.9	0.0 32.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#42

2,4,6-Tribromophenol

Concen: 82.164 ng

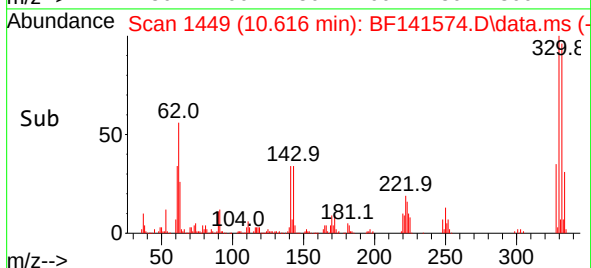
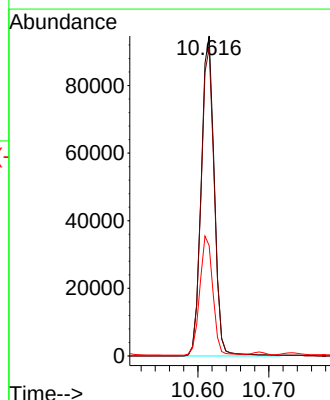
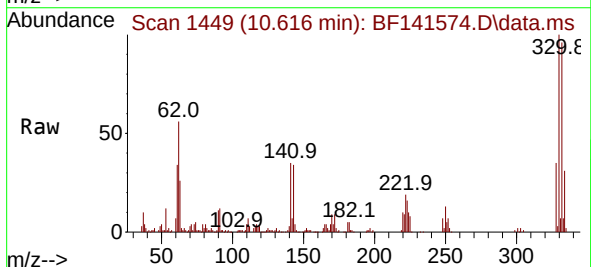
RT: 10.616 min Scan# 1449

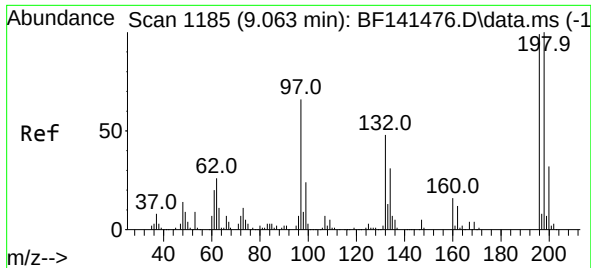
Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

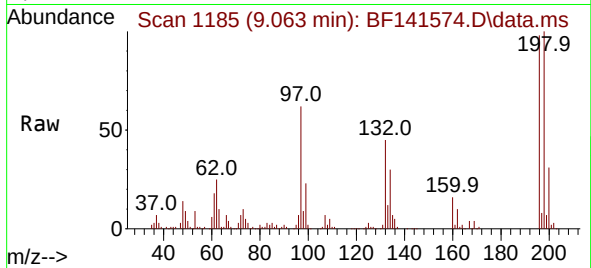
Tgt Ion:330	Resp: 121471
Ion Ratio	Lower Upper
330 100	
332 97.1	78.5 117.7
141 37.3	31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 45.141 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

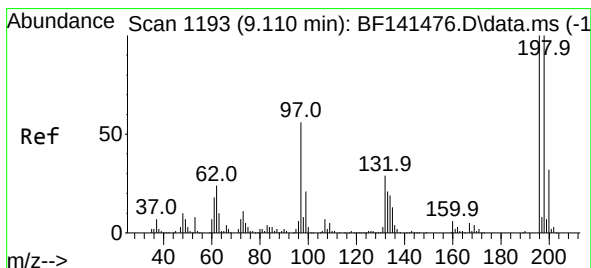
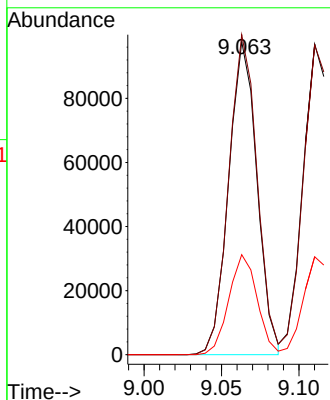
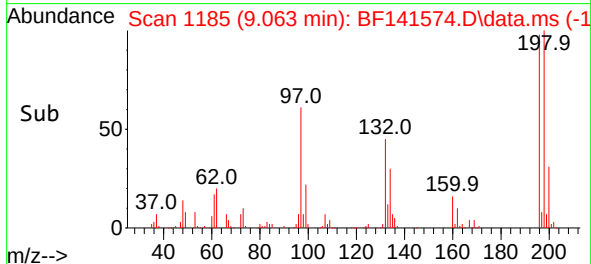
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



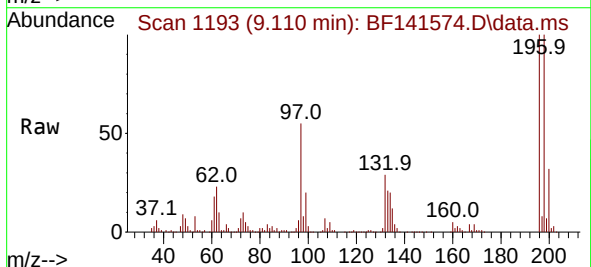
Tgt Ion:196 Resp: 12422
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 32.0 25.5 38.3

Manual Integrations
APPROVED

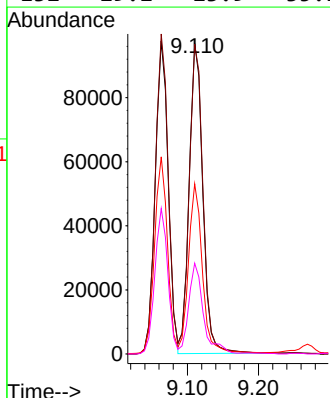
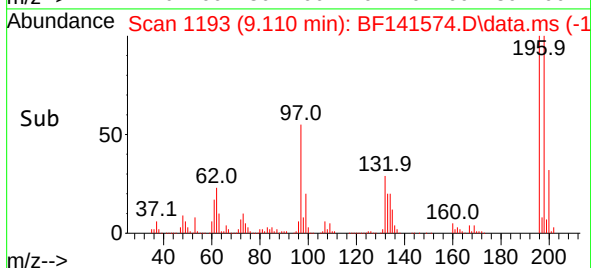
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

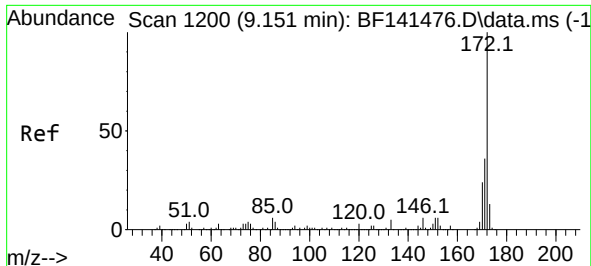


#44
2,4,5-Trichlorophenol
Concen: 43.489 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:196 Resp: 129702
Ion Ratio Lower Upper
196 100
198 99.7 79.8 119.8
97 54.7 44.8 67.2
132 29.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 70.557 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

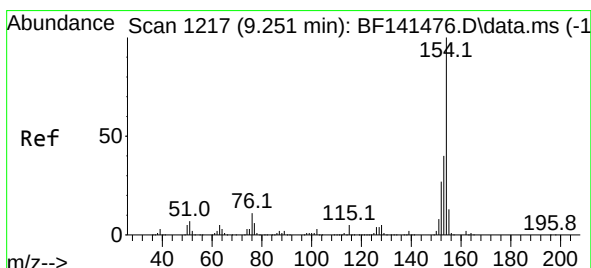
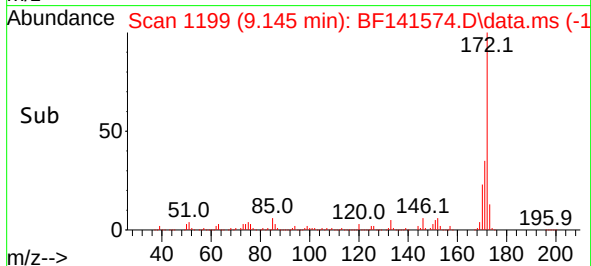
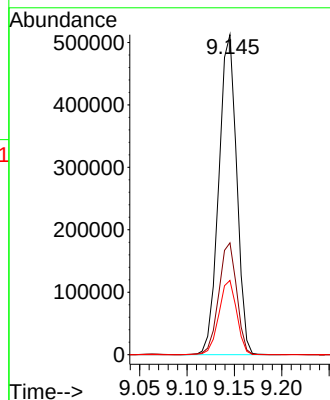
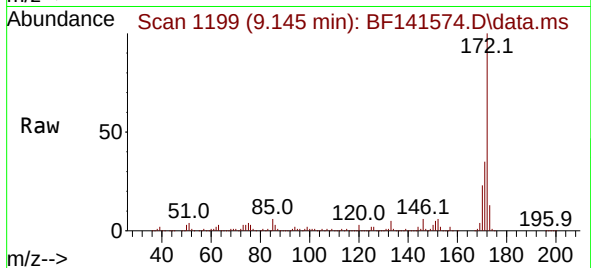
Tgt Ion:172 Resp: 674000

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.2	18.9	28.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#46

1,1'-Biphenyl

Concen: 51.413 ng

RT: 9.245 min Scan# 1216

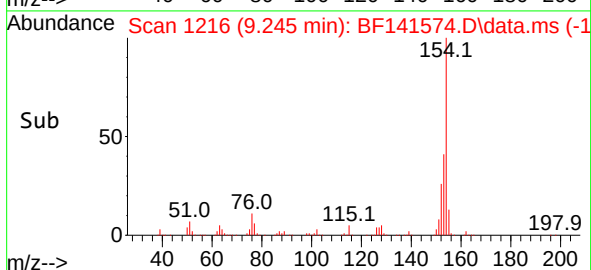
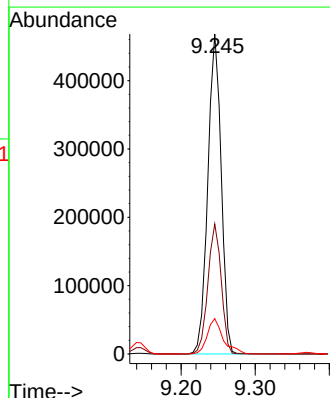
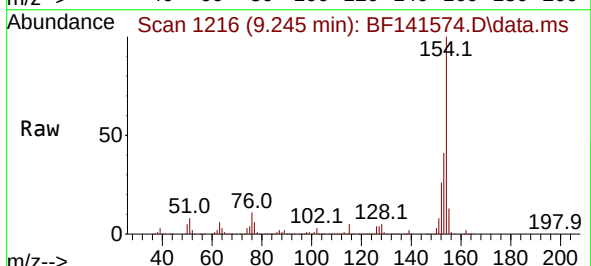
Delta R.T. -0.012 min

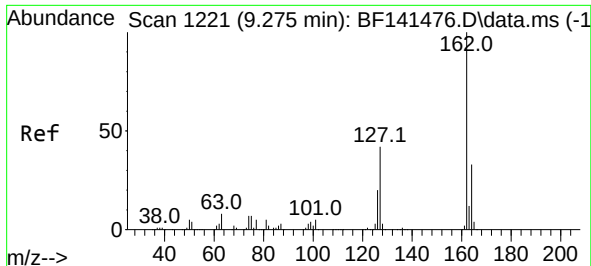
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion:154 Resp: 586614

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	11.1	0.0	30.8





#47

2-Chloronaphthalene

Concen: 45.792 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

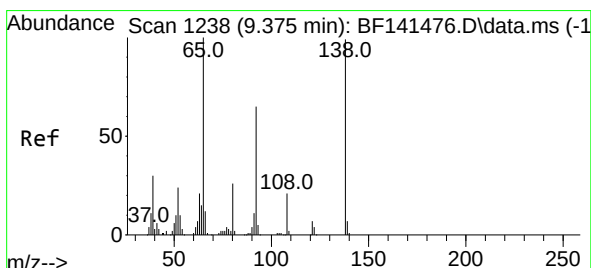
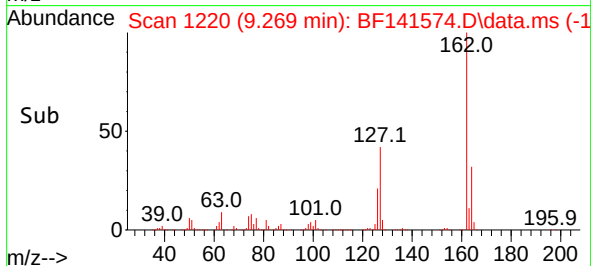
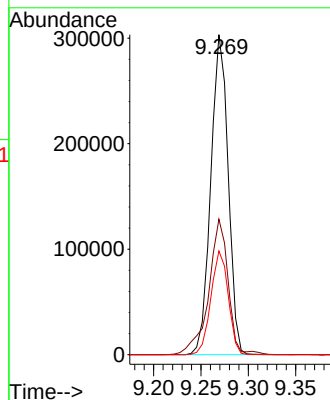
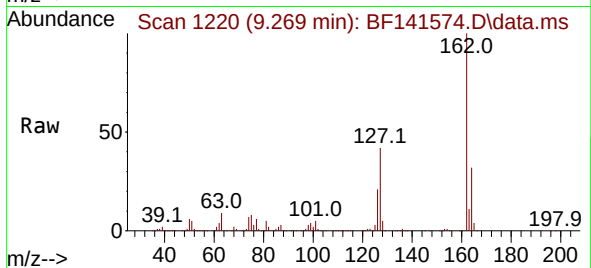
ClientSampleId :

JPP-29.1-012825MSD

Tgt Ion:162 Resp: 38635
 Ion Ratio Lower Upper
 162 100
 127 42.3 34.1 51.1
 164 32.4 26.3 39.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025



#48

2-Nitroaniline

Concen: 44.362 ng

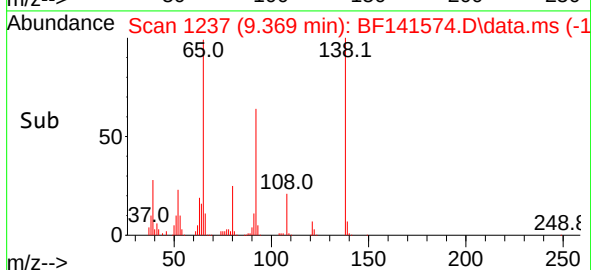
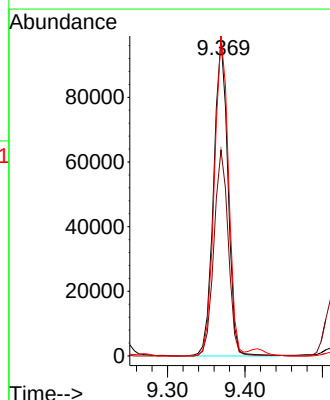
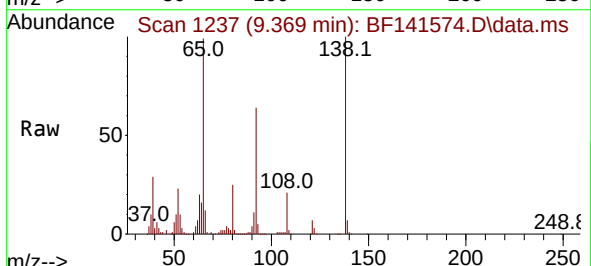
RT: 9.369 min Scan# 1237

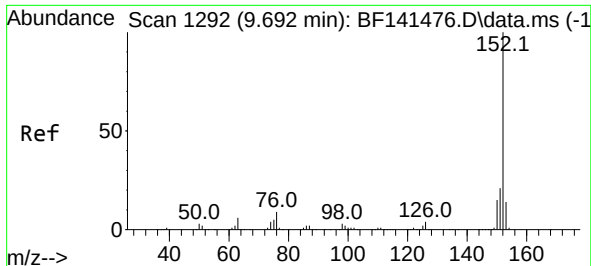
Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

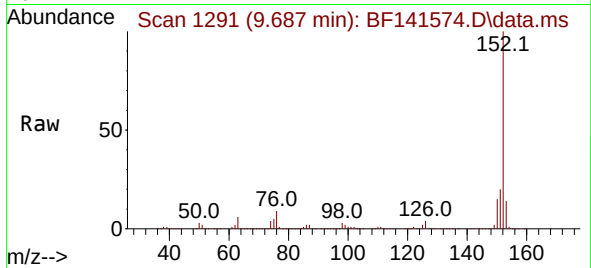
Tgt Ion: 65 Resp: 125612
 Ion Ratio Lower Upper
 65 100
 92 65.0 52.2 78.2
 138 101.0 79.5 119.3





#49
Acenaphthylene
Concen: 45.452 ng
RT: 9.687 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

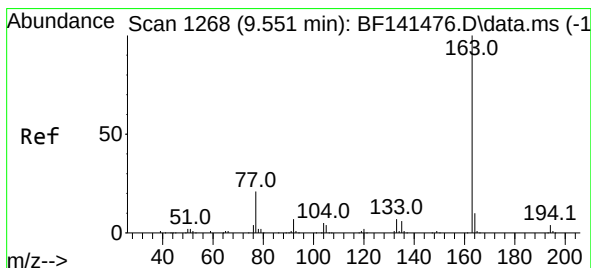
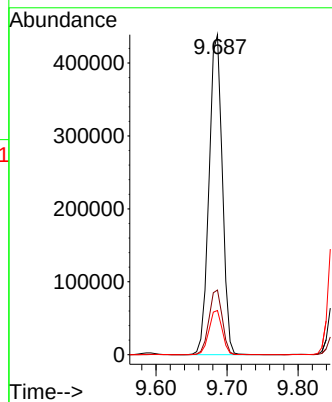
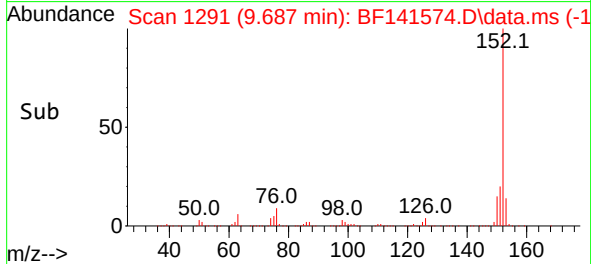
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



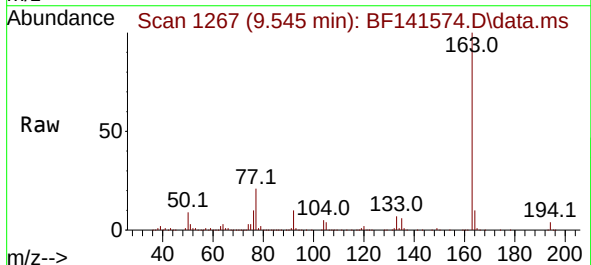
Tgt Ion:152 Resp: 57040
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.8 10.9 16.3

Manual Integrations
APPROVED

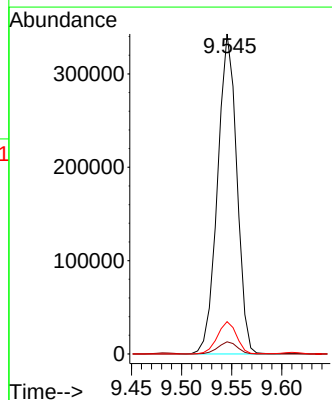
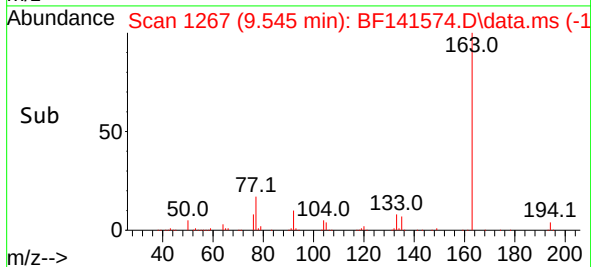
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

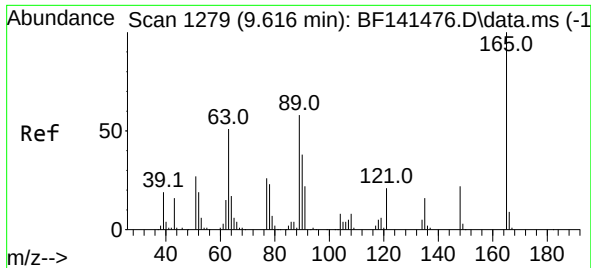


#50
Dimethylphthalate
Concen: 45.730 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



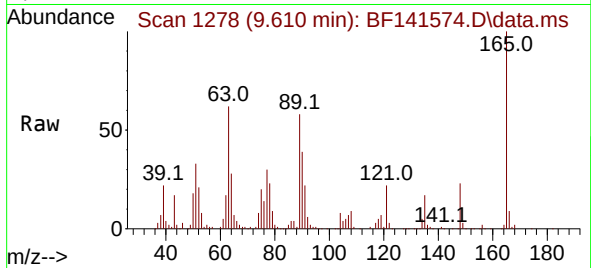
Tgt Ion:163 Resp: 456888
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 43.621 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

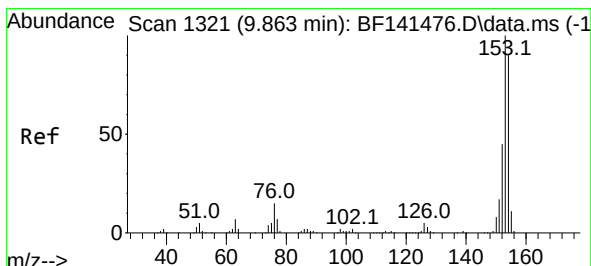
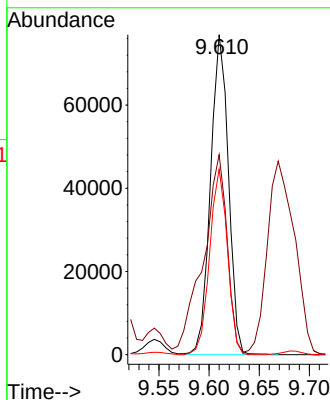
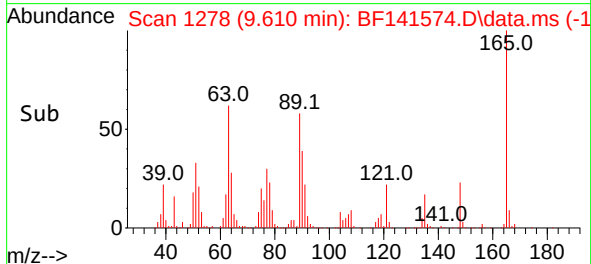
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



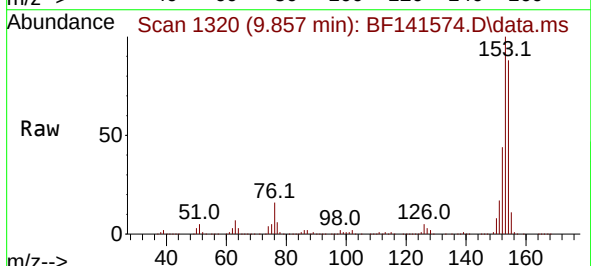
Tgt Ion:165 Resp: 95272
Ion Ratio Lower Upper
165 100
63 62.5 49.4 74.0
89 58.0 46.5 69.7

Manual Integrations
APPROVED

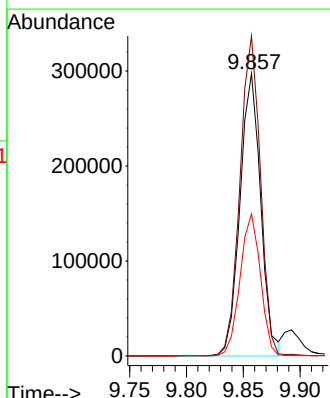
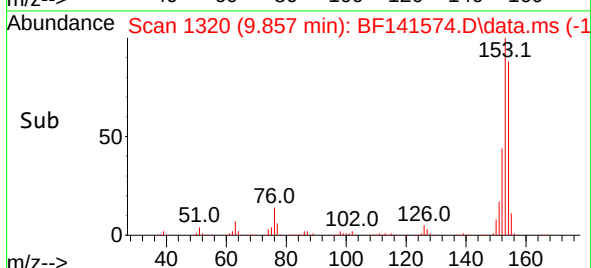
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

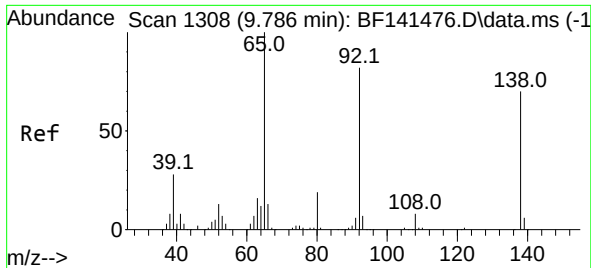


#52
Acenaphthene
Concen: 44.607 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



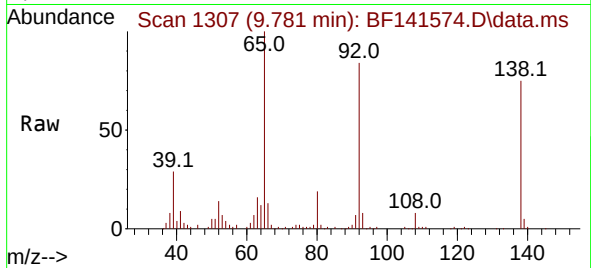
Tgt Ion:154 Resp: 376338
Ion Ratio Lower Upper
154 100
153 113.4 89.2 133.8
152 50.4 39.8 59.8





#53
3-Nitroaniline
Concen: 21.363 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

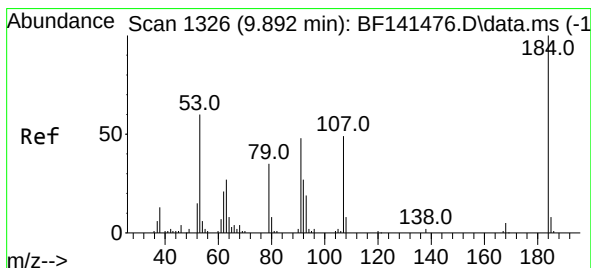
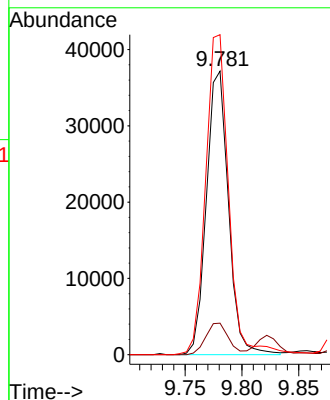
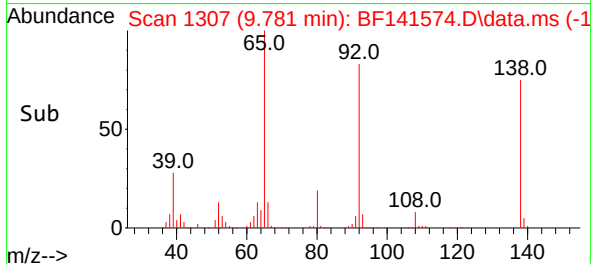
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:138 Resp: 50219
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 112.8 93.7 140.5

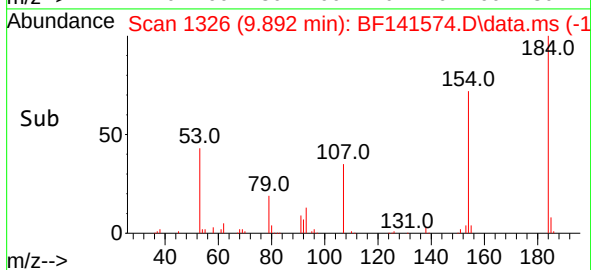
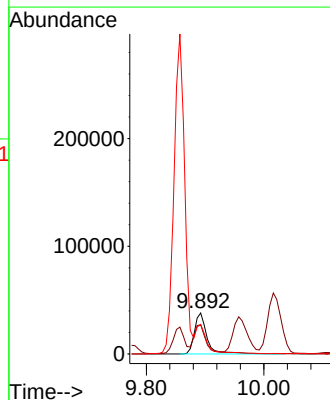
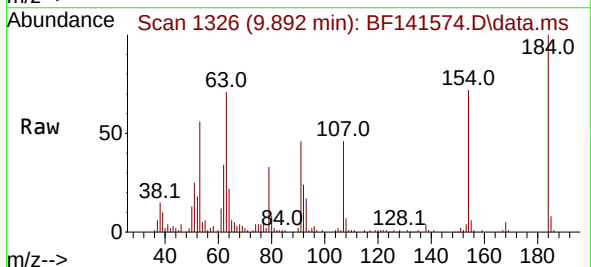
Manual Integrations
APPROVED

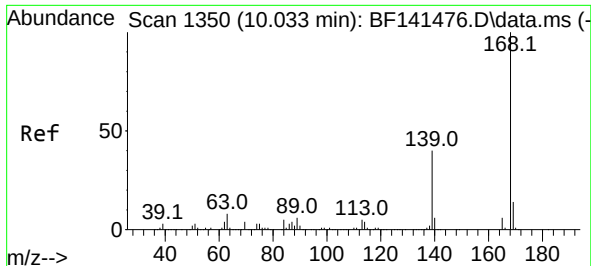
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#54
2,4-Dinitrophenol
Concen: 43.616 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

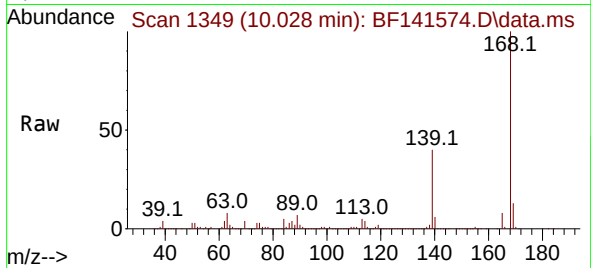
Tgt Ion:184 Resp: 56617
Ion Ratio Lower Upper
184 100
63 70.9 61.0 91.6
154 72.0 59.9 89.9





#55
Dibenzenofuran
Concen: 42.589 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

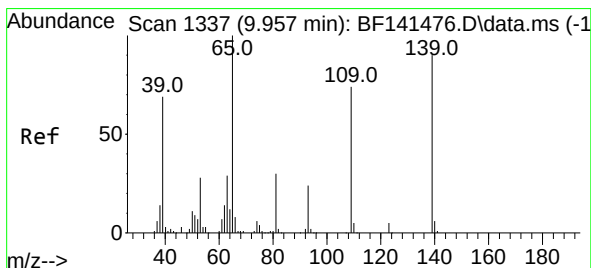
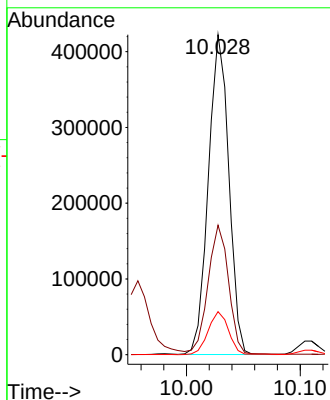
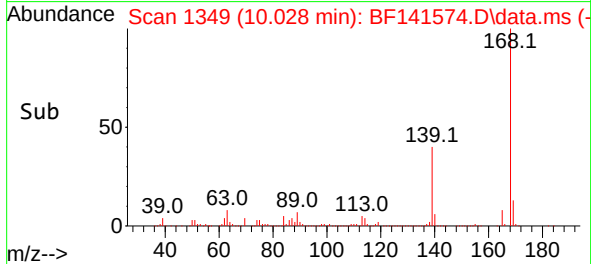
Instrument : BNA_F
ClientSampleId : JPP-29.1-012825MSD



Tgt Ion:168 Resp: 527415
Ion Ratio Lower Upper
168 100
139 40.4 32.7 49.1
169 13.5 10.8 16.2

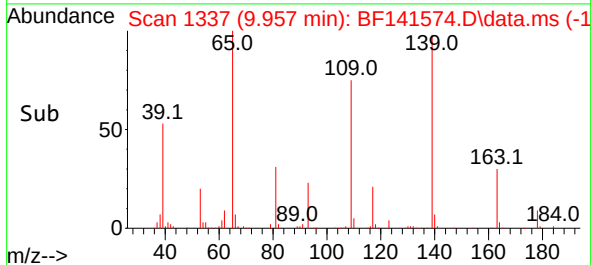
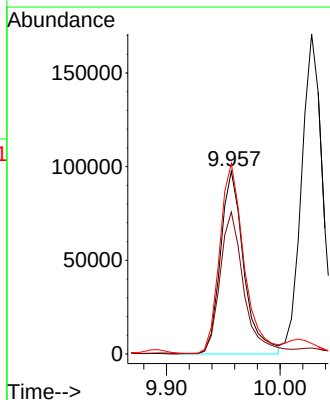
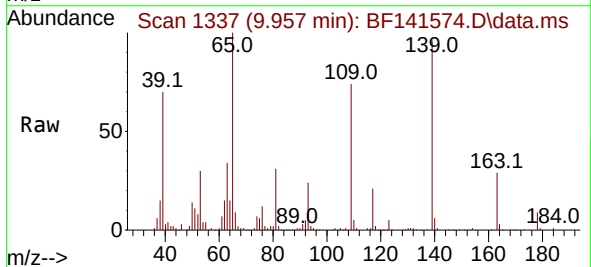
Manual Integrations
APPROVED

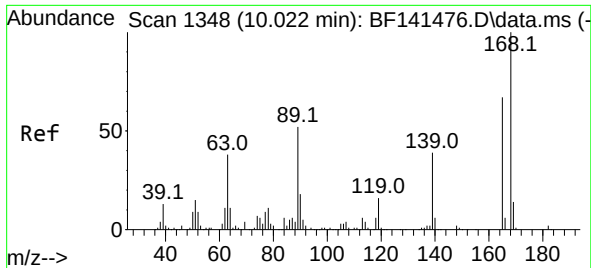
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#56
4-Nitrophenol
Concen: 79.747 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

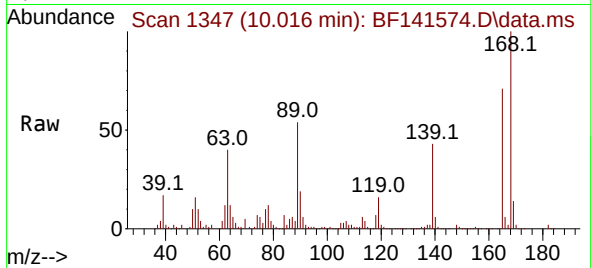
Tgt Ion:139 Resp: 139161
Ion Ratio Lower Upper
139 100
109 77.6 62.0 102.0
65 104.3 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 43.365 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

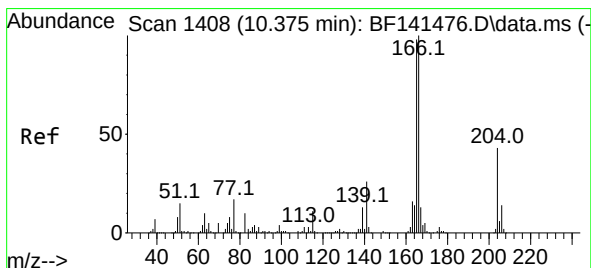
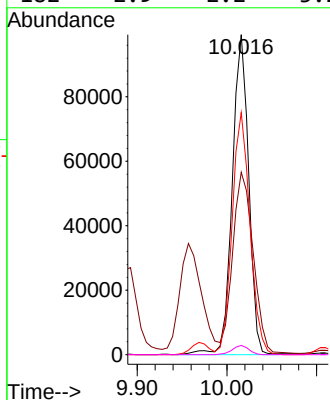
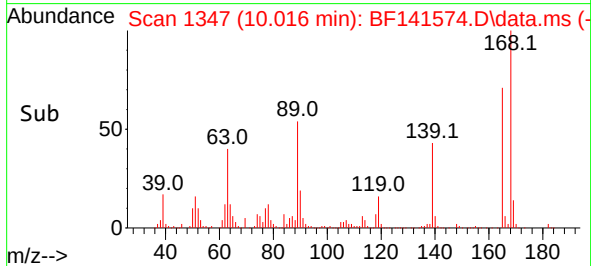
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



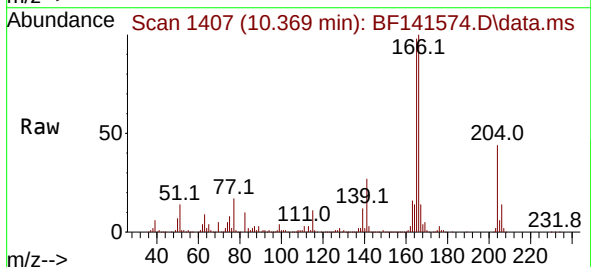
Tgt Ion:165 Resp: 126080
Ion Ratio Lower Upper
165 100
63 57.0 46.4 69.6
89 75.6 61.8 92.6
182 2.9 2.2 3.2

Manual Integrations
APPROVED

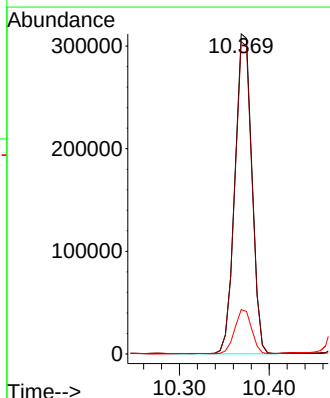
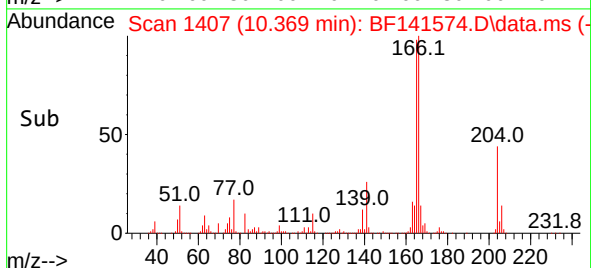
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

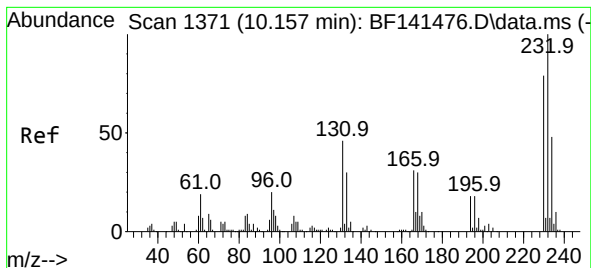


#58
Fluorene
Concen: 42.734 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



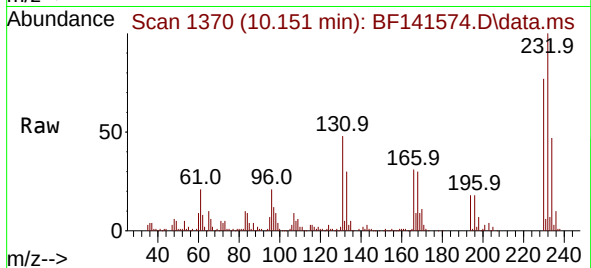
Tgt Ion:166 Resp: 409183
Ion Ratio Lower Upper
166 100
165 97.6 78.2 117.2
167 13.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.164 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

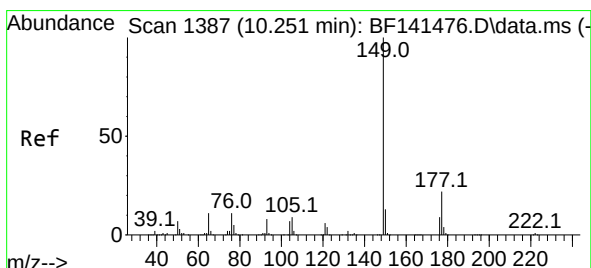
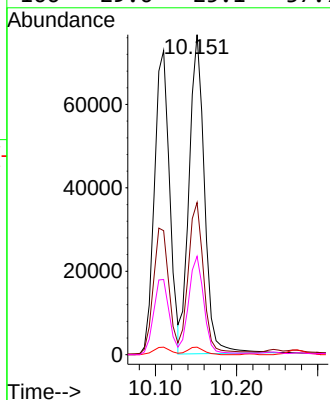
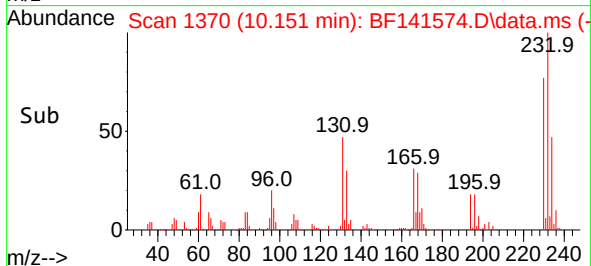
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



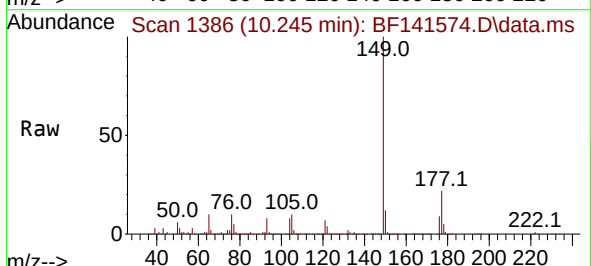
Tgt Ion:232 Resp: 10056
Ion Ratio Lower Upper
232 100
131 46.1 39.2 58.8
130 2.6 2.1 3.1
166 29.6 25.1 37.7

Manual Integrations
APPROVED

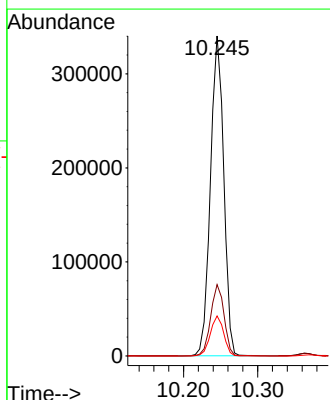
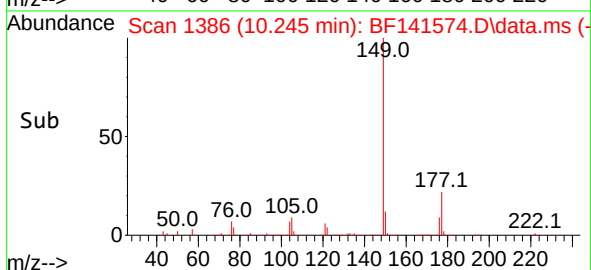
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

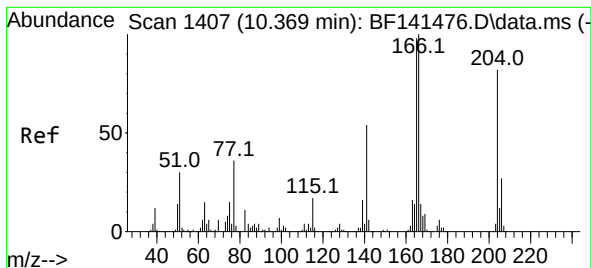


#60
Diethylphthalate
Concen: 43.093 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



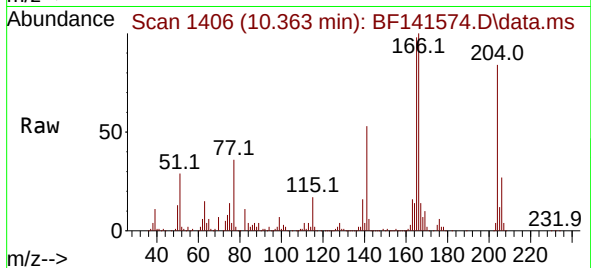
Tgt Ion:149 Resp: 423603
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.439 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

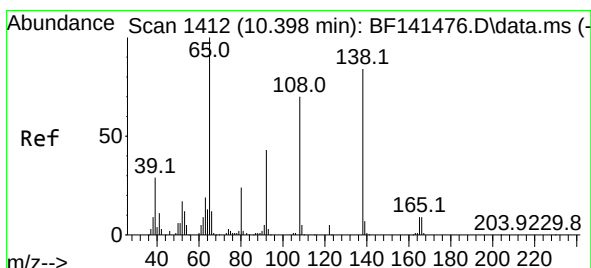
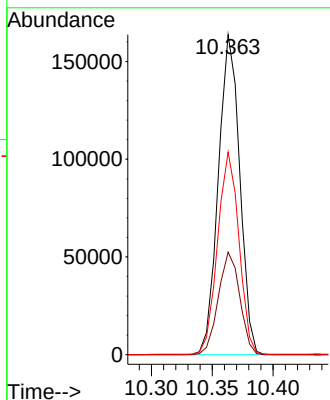
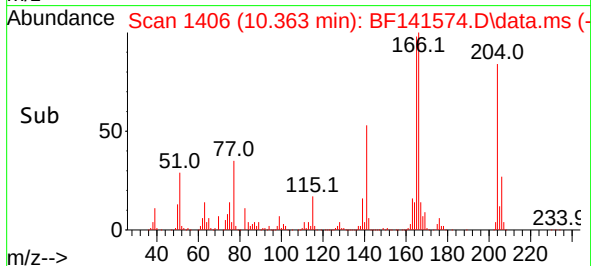
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



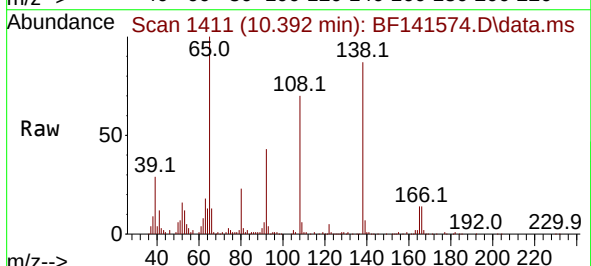
Tgt Ion:204 Resp: 200100
Ion Ratio Lower Upper
204 100
206 32.1 26.6 40.0
141 63.3 51.9 77.9

Manual Integrations
APPROVED

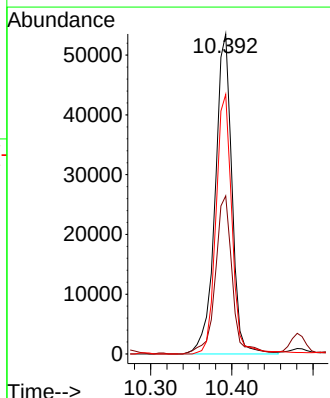
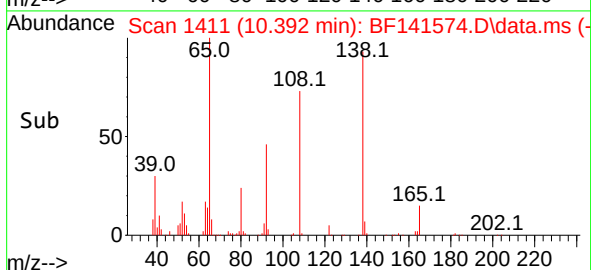
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

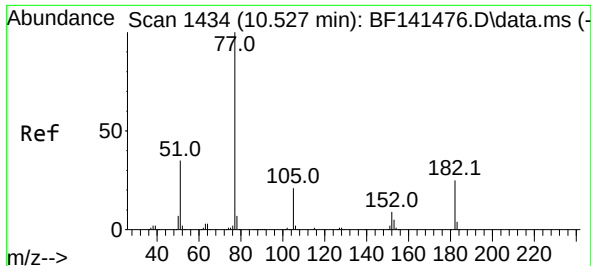


#62
4-Nitroaniline
Concen: 32.272 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



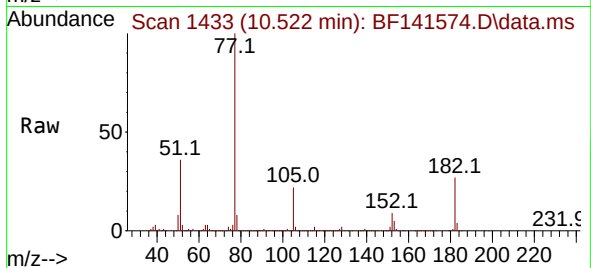
Tgt Ion:138 Resp: 77033
Ion Ratio Lower Upper
138 100
92 49.4 31.3 71.3
108 81.1 63.7 103.7





#63
Azobenzene
Concen: 43.531 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

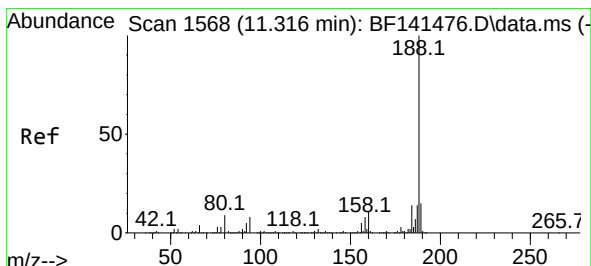
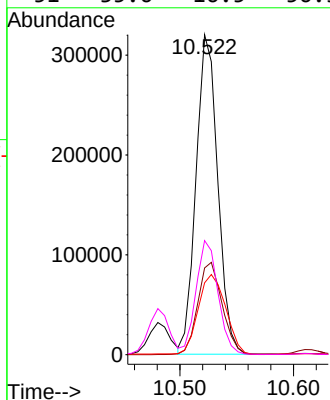
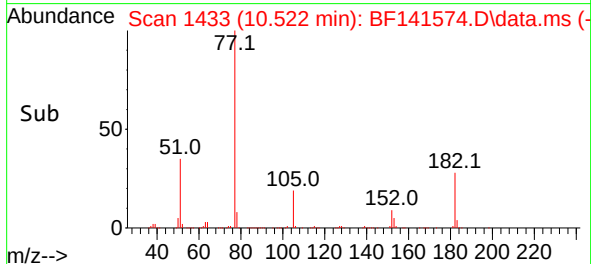
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



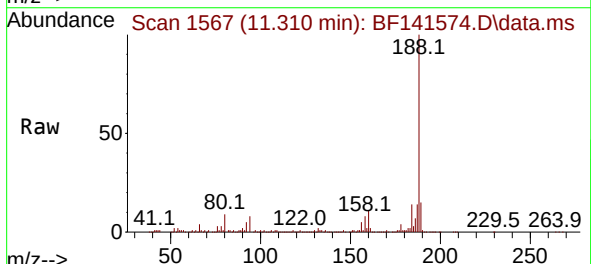
Tgt Ion: 77 Resp: 42539
Ion Ratio Lower Upper
77 100
182 27.1 4.7 44.7
105 22.5 0.4 40.4
51 35.6 16.5 56.5

Manual Integrations
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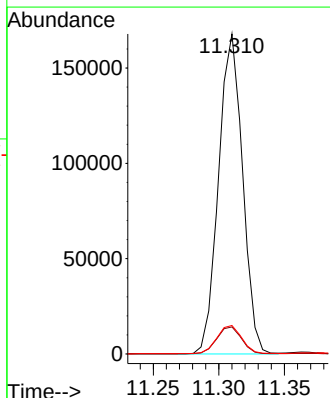
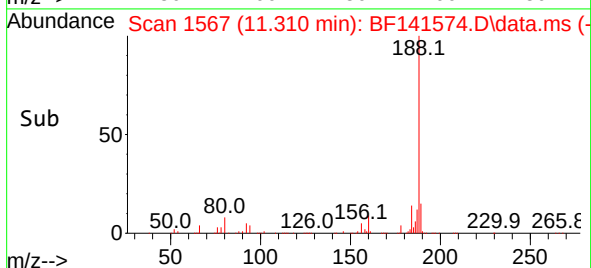
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

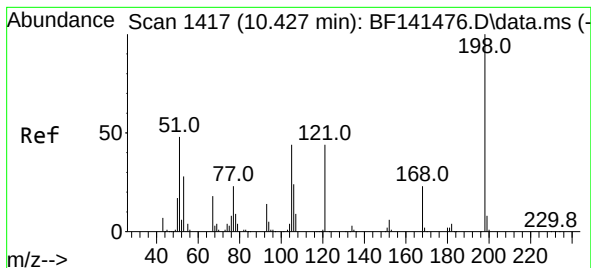


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



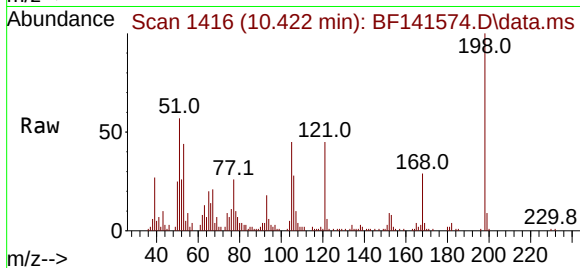
Tgt Ion:188 Resp: 213794
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.9 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 26.594 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

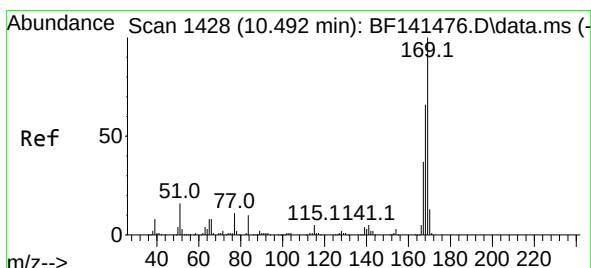
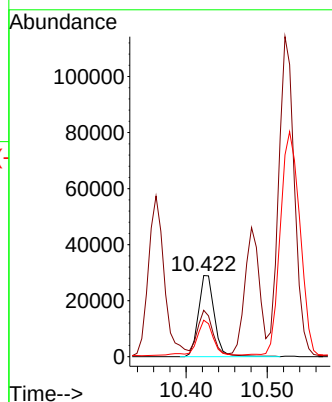
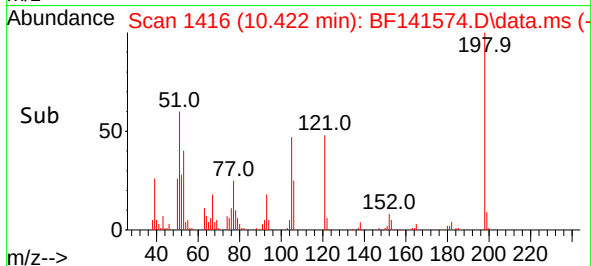
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



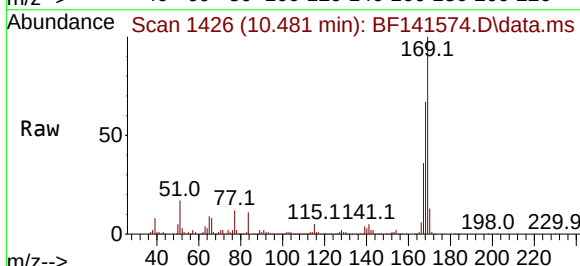
Tgt Ion:198 Resp: 39490
Ion Ratio Lower Upper
198 100
51 57.3 37.4 77.4
105 45.0 25.2 65.2

Manual Integrations
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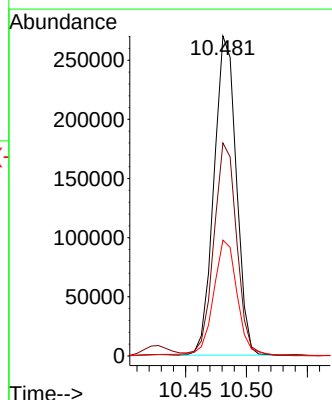
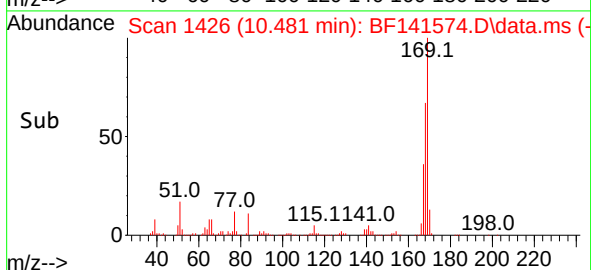
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

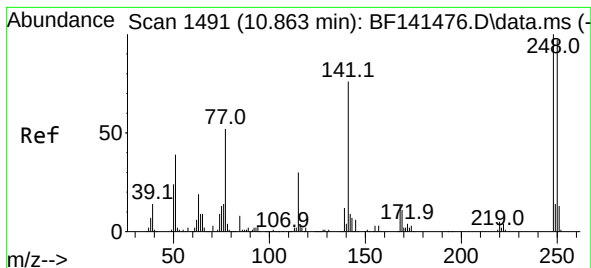


#66
n-Nitrosodiphenylamine
Concen: 50.246 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



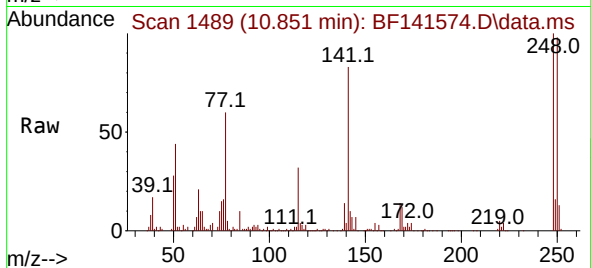
Tgt Ion:169 Resp: 343871
Ion Ratio Lower Upper
169 100
168 66.5 53.3 79.9
167 36.2 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 48.623 ng
RT: 10.851 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

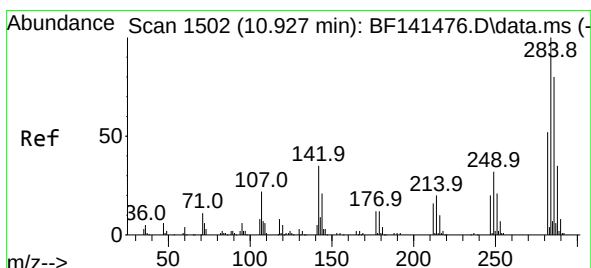
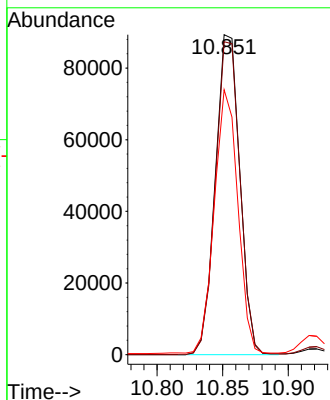
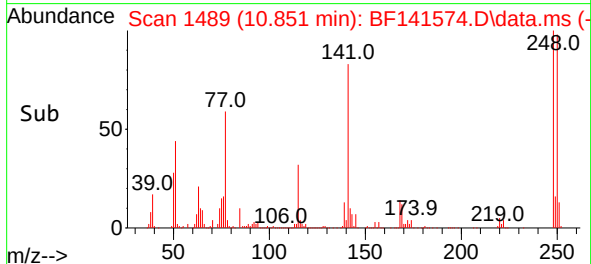
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



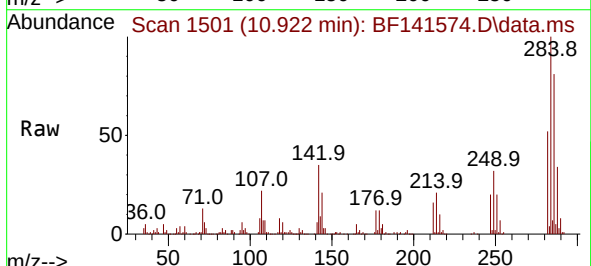
Tgt Ion:248 Resp: 116182
Ion Ratio Lower Upper
248 100
250 97.8 77.8 116.6
141 82.8 60.6 90.8

Manual Integrations
APPROVED

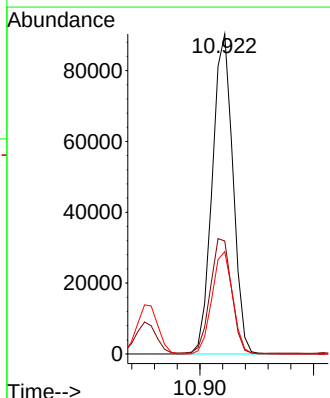
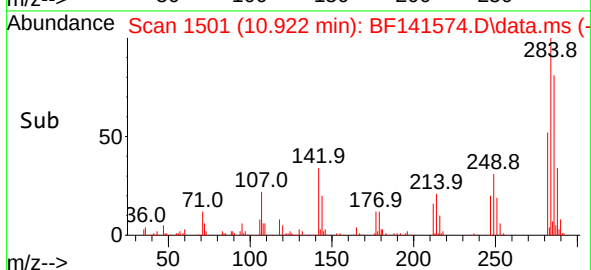
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

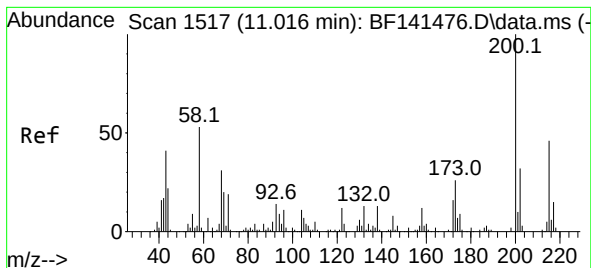


#68
Hexachlorobenzene
Concen: 46.245 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:284 Resp: 113784
Ion Ratio Lower Upper
284 100
142 35.3 28.0 42.0
249 32.0 25.8 38.8





#69

Atrazine

Concen: 60.357 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.011 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

Tgt Ion:200 Resp: 12392

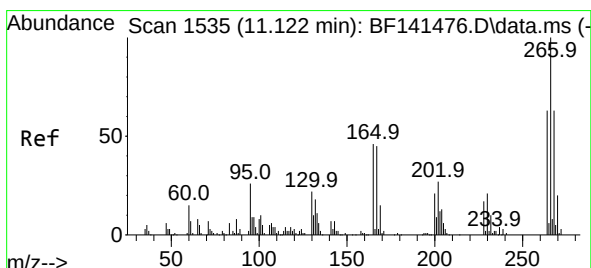
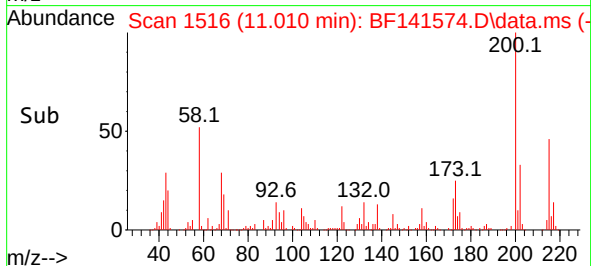
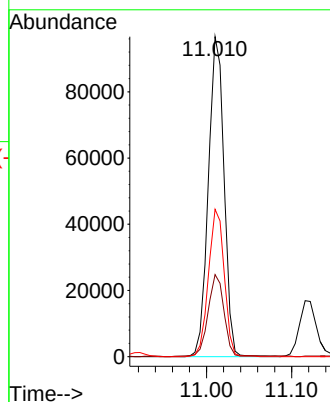
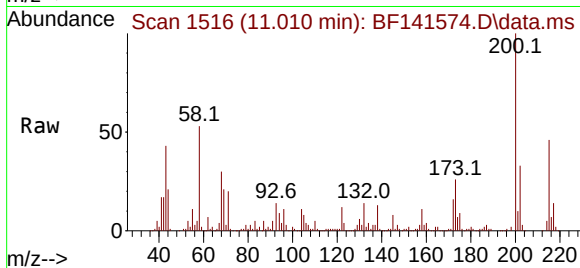
Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	46.0	25.9	65.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#70

Pentachlorophenol

Concen: 79.942 ng

RT: 11.122 min Scan# 1535

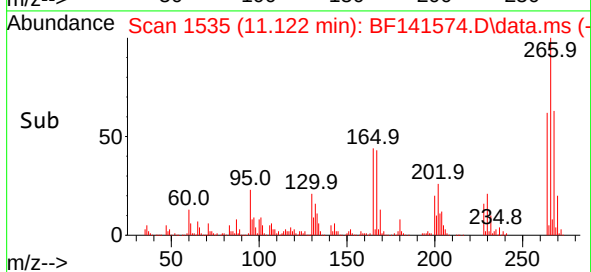
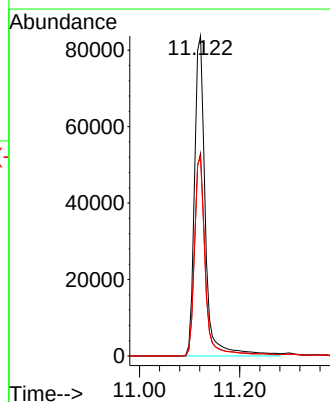
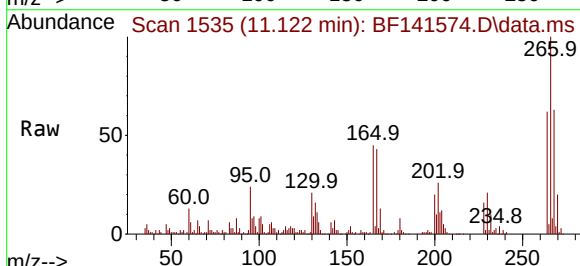
Delta R.T. -0.006 min

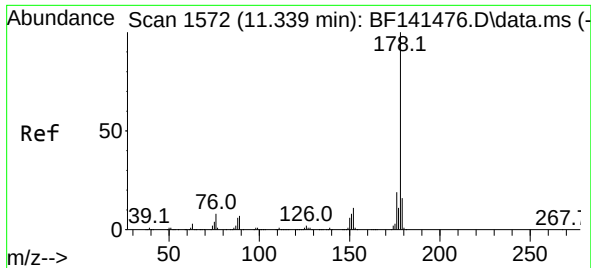
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion:266 Resp: 125770

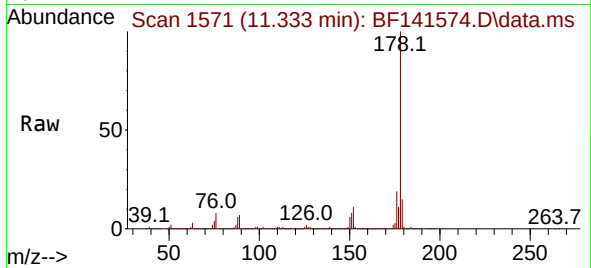
Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.1	75.1
264	61.9	50.1	75.1





#71
Phenanthrene
Concen: 67.959 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

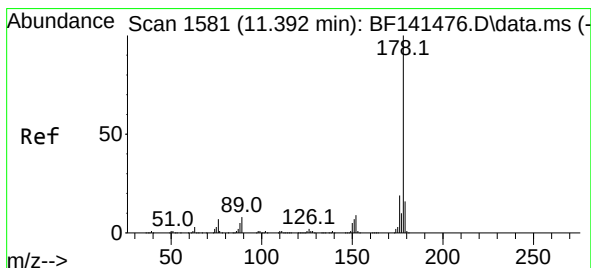
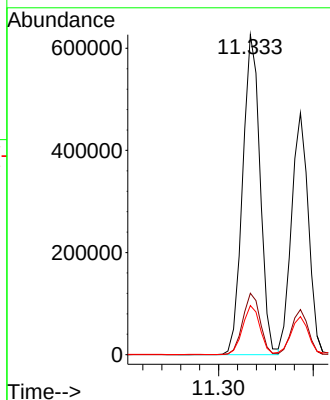
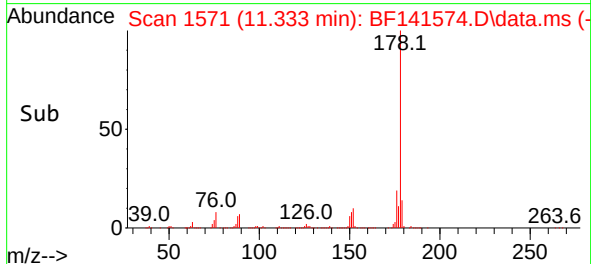
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:178 Resp: 79976
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.4 18.6

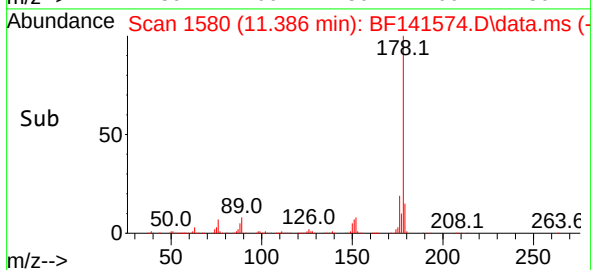
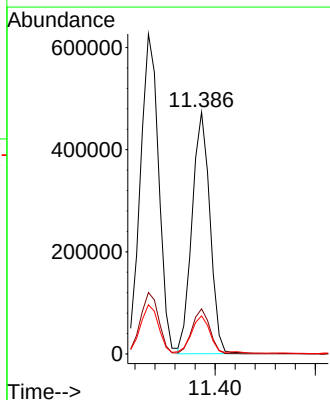
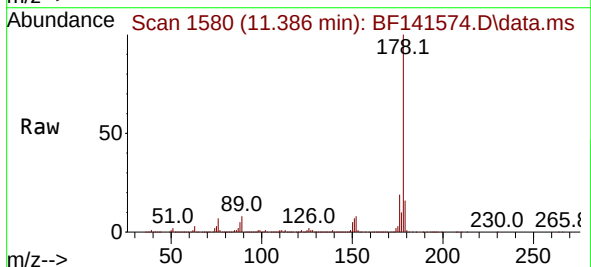
Manual Integrations
APPROVED

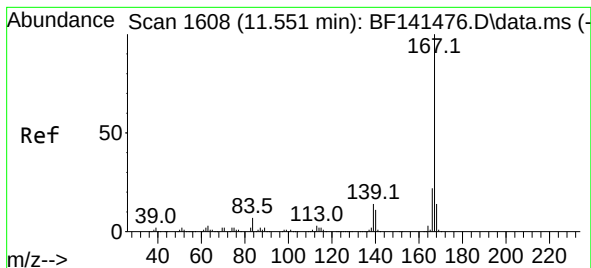
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 49.607 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:178 Resp: 586861
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.8 12.4 18.6





#73

Carbazole

Concen: 44.951 ng

RT: 11.545 min Scan# 1607

Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825MSD

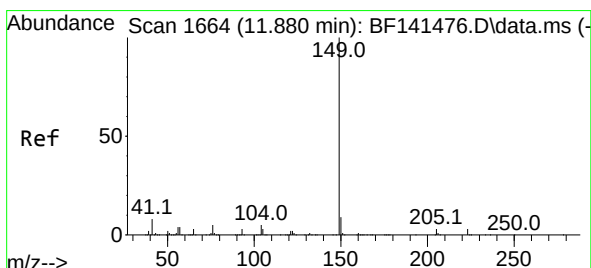
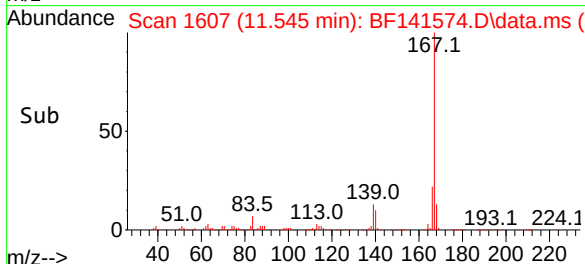
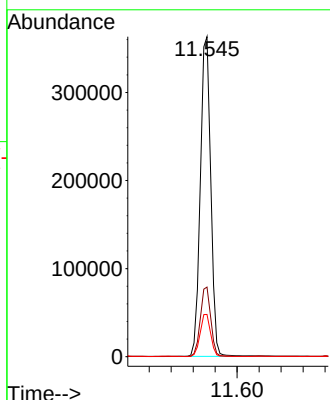
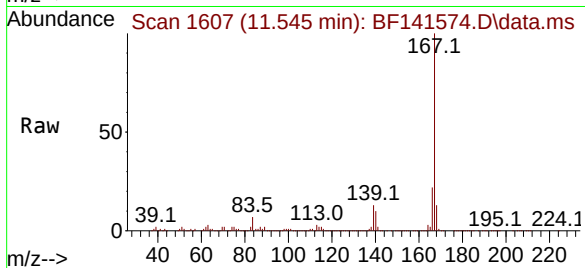
Tgt Ion:167 Resp: 478486

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	13.2	10.9	16.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#74

Di-n-butylphthalate

Concen: 47.586 ng

RT: 11.875 min Scan# 1663

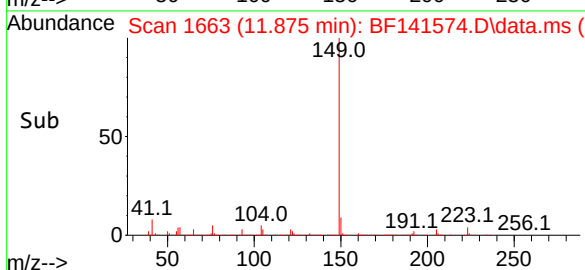
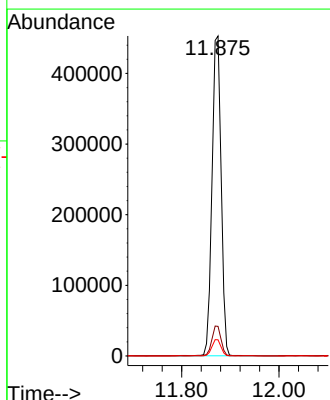
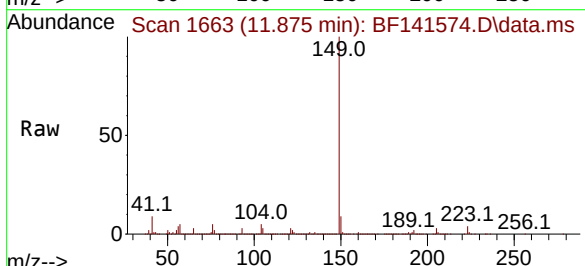
Delta R.T. -0.006 min

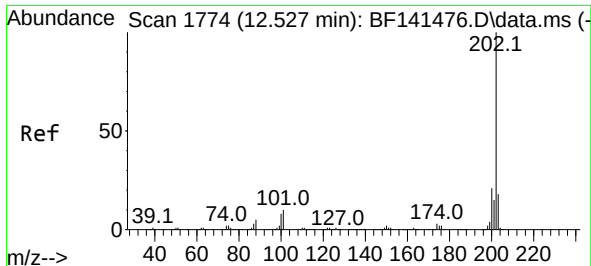
Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Tgt Ion:149 Resp: 584882

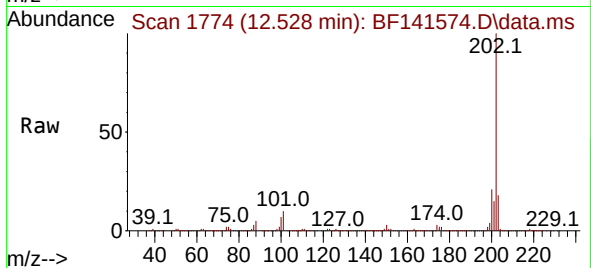
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.0	4.2	6.2





#75
Fluoranthene
Concen: 83.295 ng
RT: 12.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

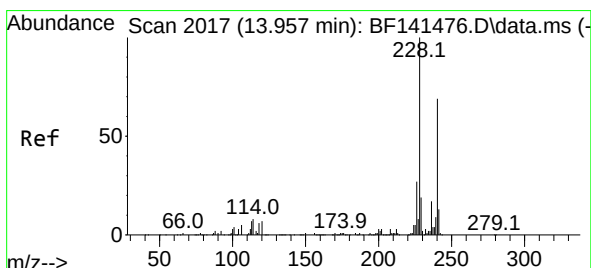
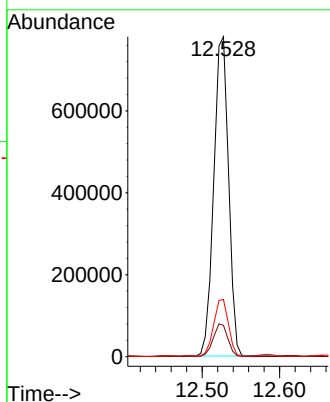
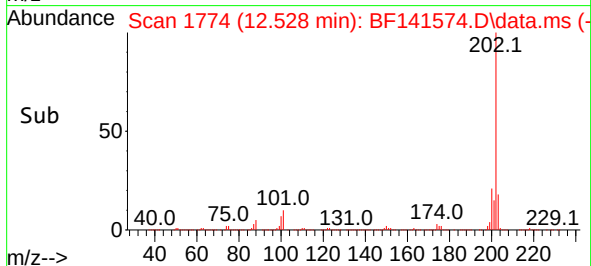
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



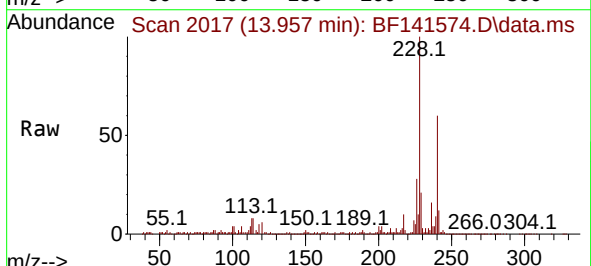
Tgt Ion:202 Resp: 1039250
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.8 0.0 37.6

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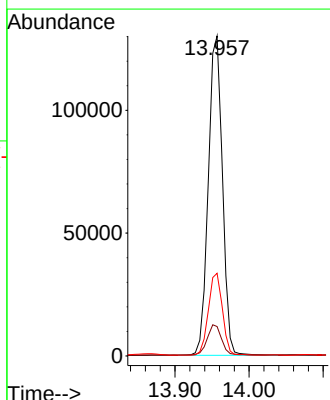
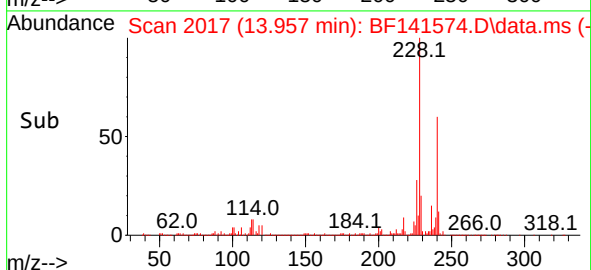
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

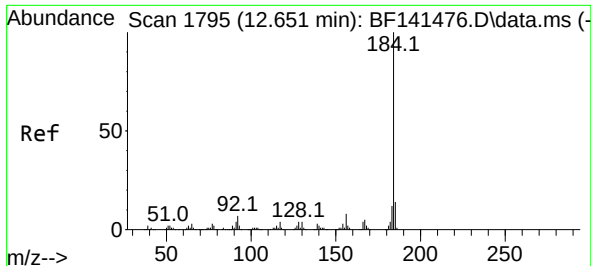


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



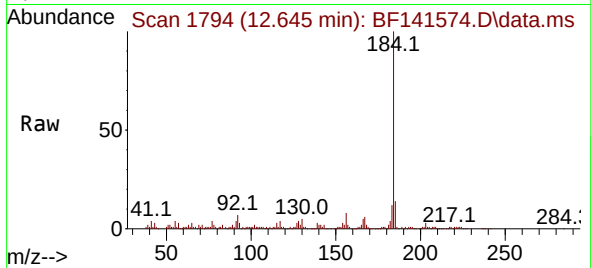
Tgt Ion:240 Resp: 172116
Ion Ratio Lower Upper
240 100
120 9.2 8.0 12.0
236 25.8 19.8 29.8





#77
Benzidine
Concen: 35.342 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

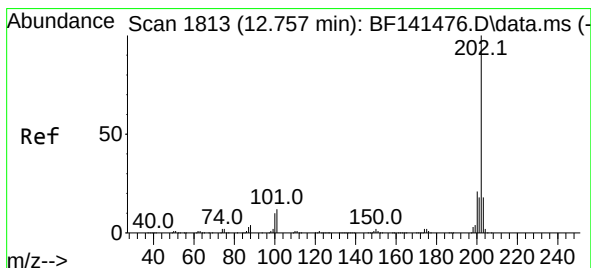
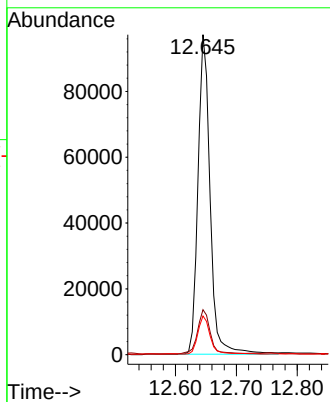
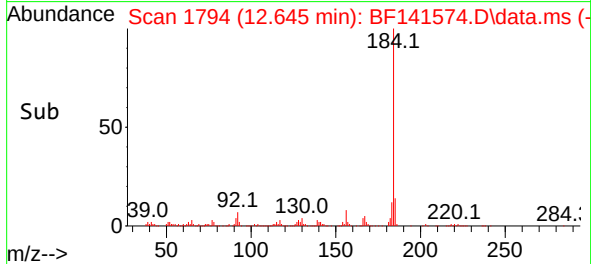
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:184 Resp: 134150
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.1 9.3 13.9

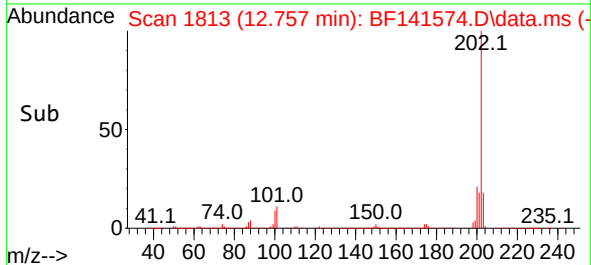
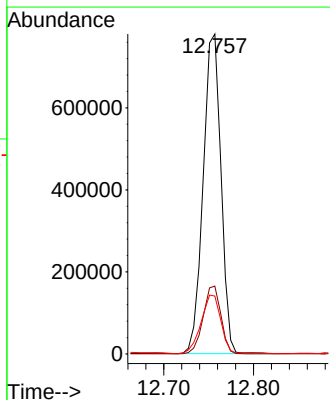
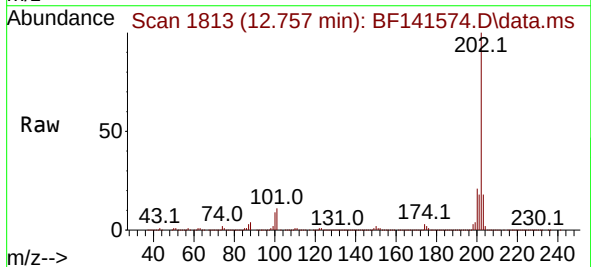
Manual Integrations
APPROVED

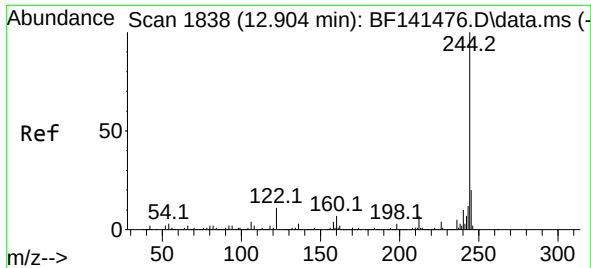
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 73.310 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

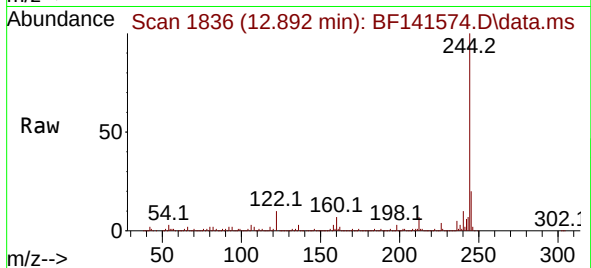
Tgt Ion:202 Resp: 1074122
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.1 14.3 21.5





#79
Terphenyl-d14
Concen: 55.971 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

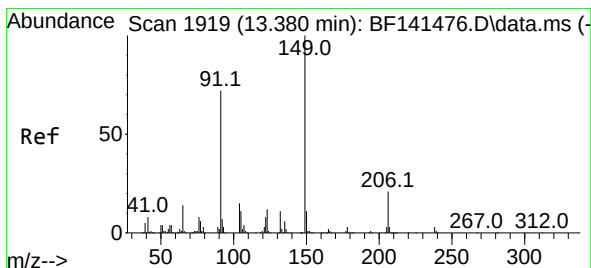
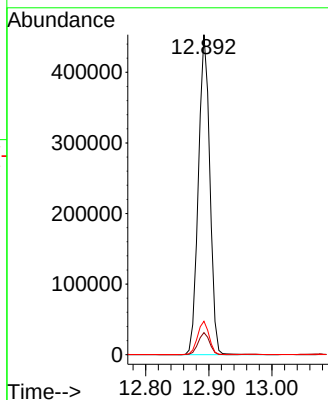
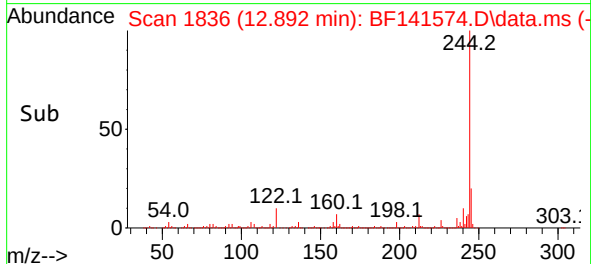
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



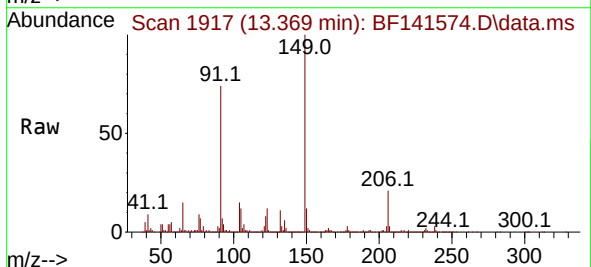
Tgt Ion:244 Resp: 57064
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.4 8.4 12.6

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APPROVED

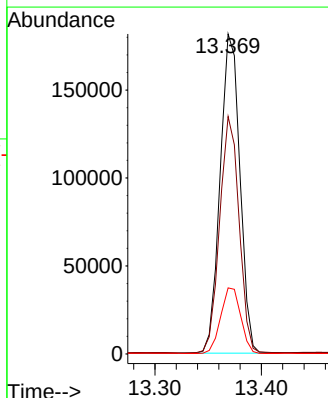
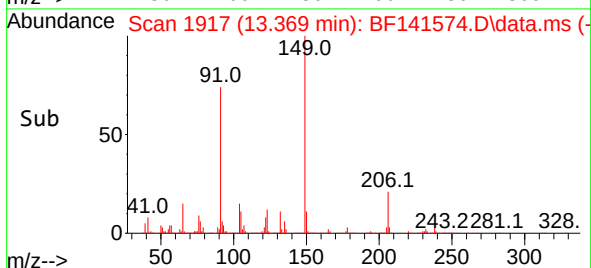
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

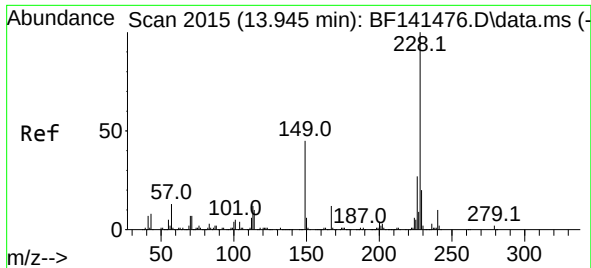


#80
Butylbenzylphthalate
Concen: 45.949 ng
RT: 13.369 min Scan# 1917
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



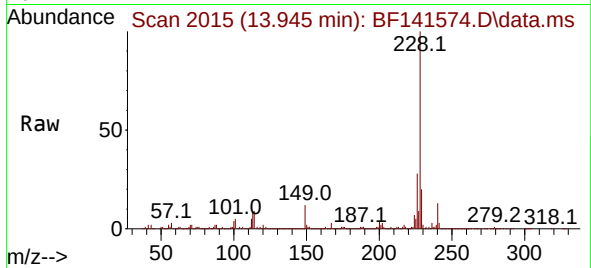
Tgt Ion:149 Resp: 233190
Ion Ratio Lower Upper
149 100
91 74.2 57.8 86.8
206 20.7 16.7 25.1





#81
Benzo(a)anthracene
Concen: 71.079 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

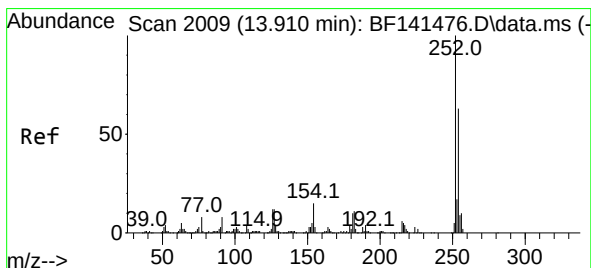
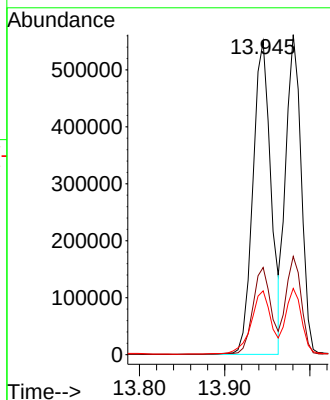
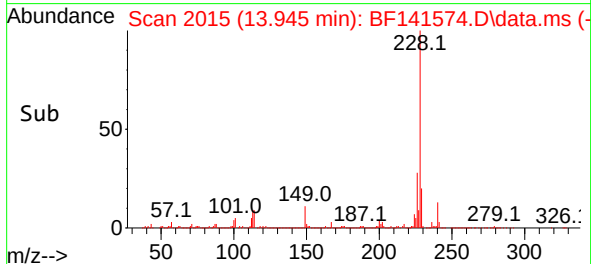
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



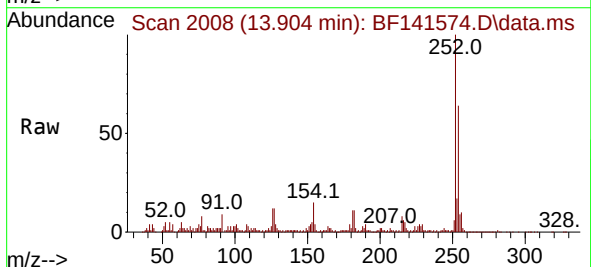
Tgt Ion:228 Resp: 813229
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.4 15.8 23.6

Manual Integrations
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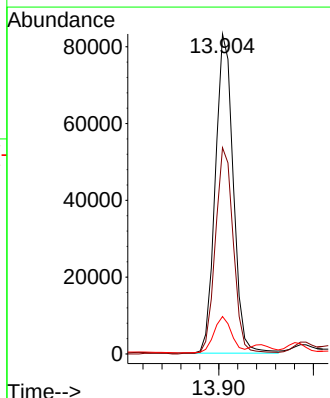
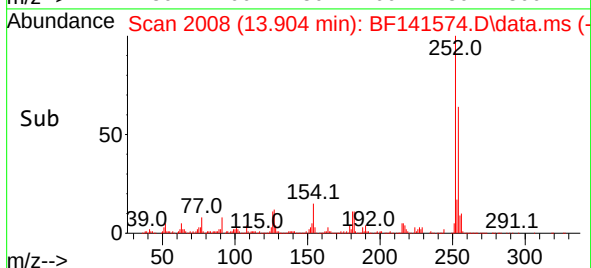
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

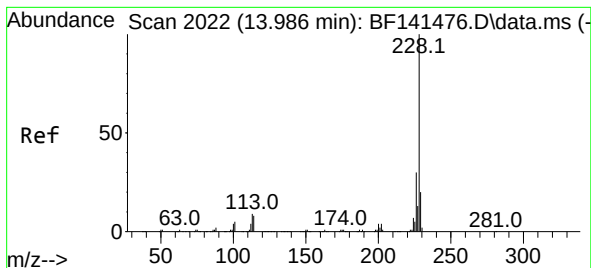


#82
3,3'-Dichlorobenzidine
Concen: 33.418 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



Tgt Ion:252 Resp: 109523
Ion Ratio Lower Upper
252 100
254 64.4 50.6 76.0
126 11.7 9.3 13.9





#83

Chrysene

Concen: 66.736 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

Instrument :

BNA_F

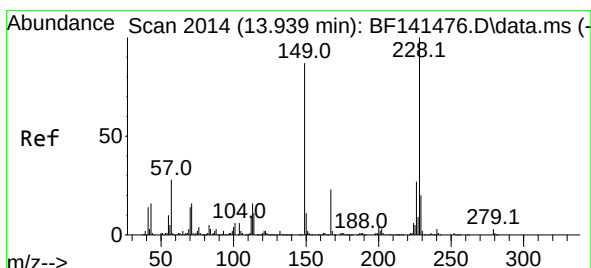
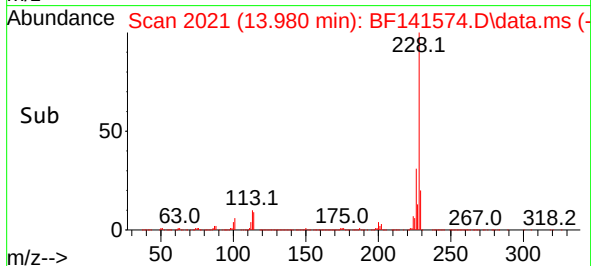
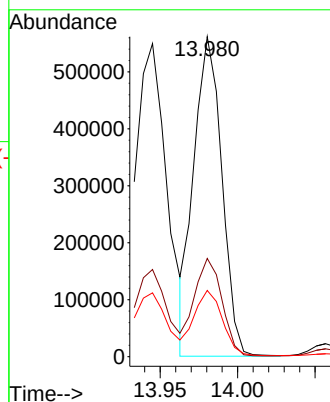
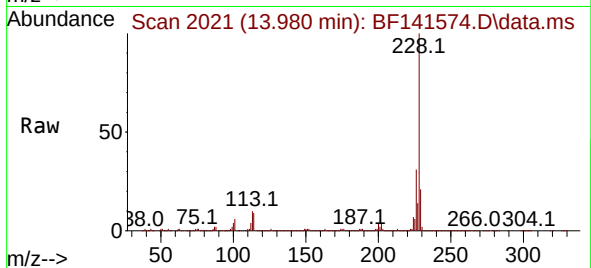
ClientSampleId :

JPP-29.1-012825MSD

Tgt Ion:228	Resp: 705014
Ion Ratio	Lower Upper
228 100	
226 30.7	24.0 36.0
229 20.7	15.7 23.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.348 ng

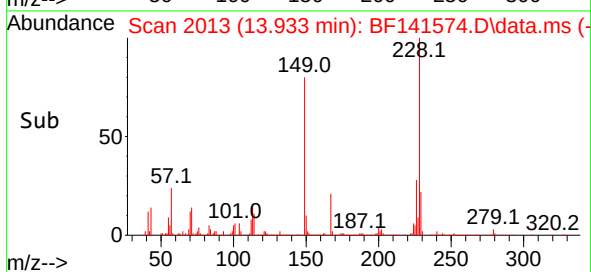
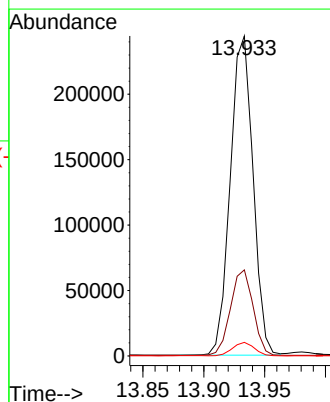
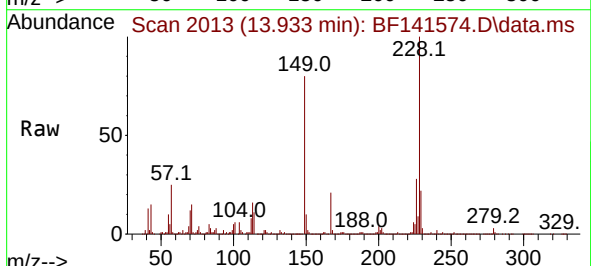
RT: 13.933 min Scan# 2013

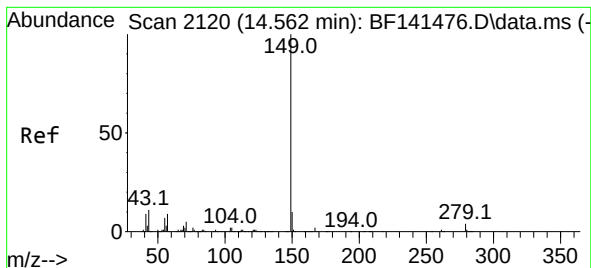
Delta R.T. -0.006 min

Lab File: BF141574.D

Acq: 11 Feb 2025 20:38

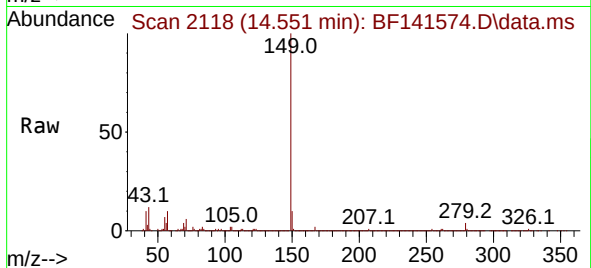
Tgt Ion:149	Resp: 316795
Ion Ratio	Lower Upper
149 100	
167 26.9	21.4 32.0
279 4.3	3.1 4.7





#85
Di-n-octyl phthalate
Concen: 66.944 ng
RT: 14.551 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

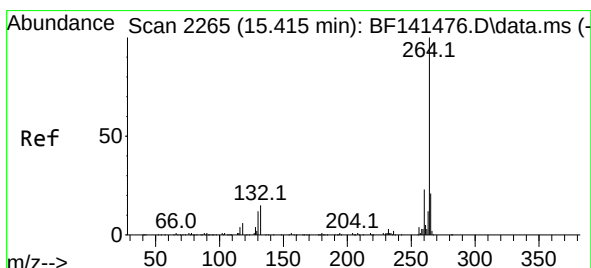
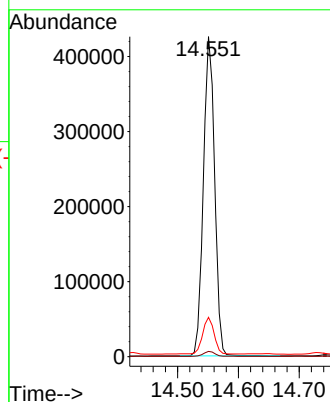
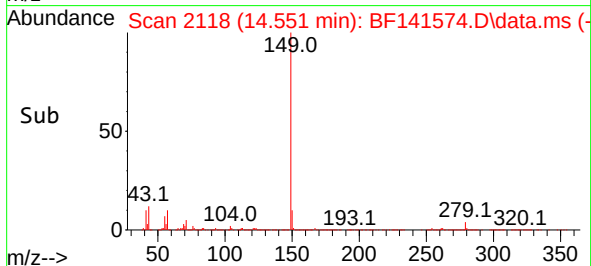
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:149 Resp: 546624
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.6 9.5 14.3

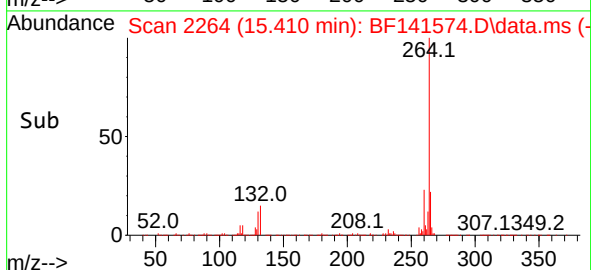
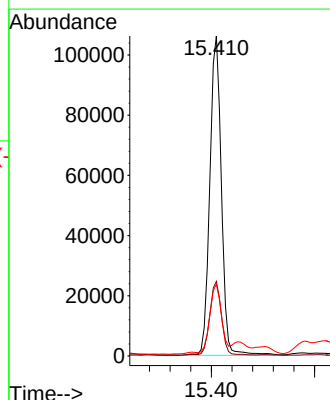
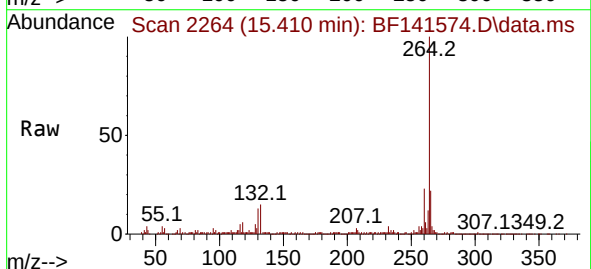
Manual Integrations
APPROVED

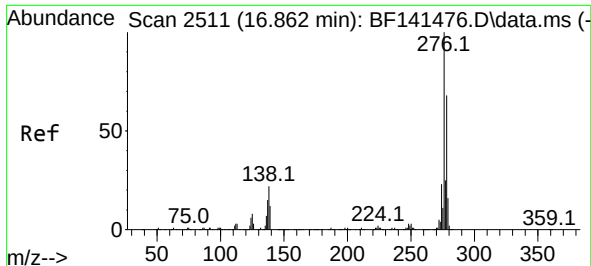
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

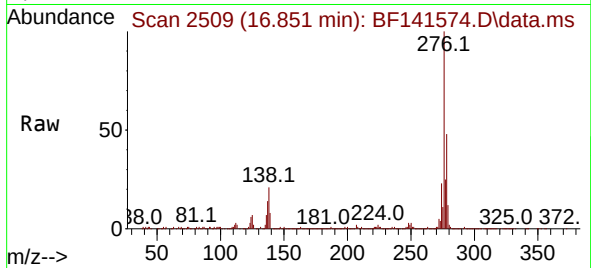
Tgt Ion:264 Resp: 164980
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.4 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 48.291 ng
RT: 16.851 min Scan# 2193
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

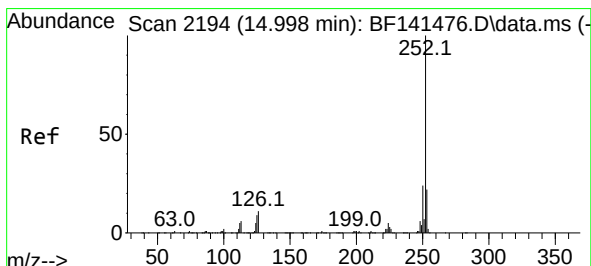
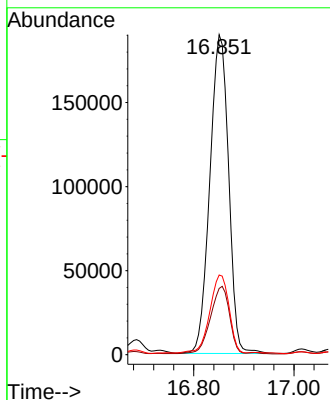
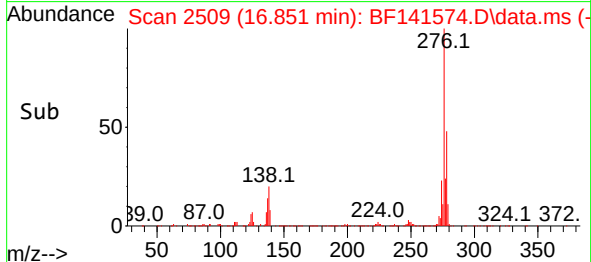
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



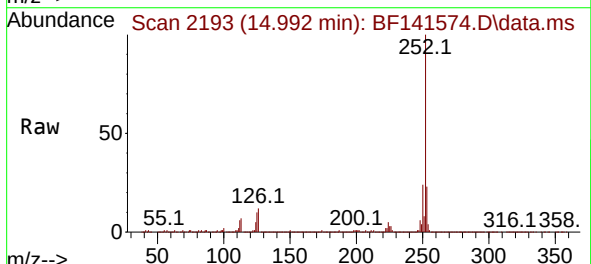
Tgt Ion: 276 Resp: 49227
Ion Ratio Lower Upper
276 100
138 21.3 18.0 27.0
277 24.8 20.4 30.6

Manual Integrations
APPROVED

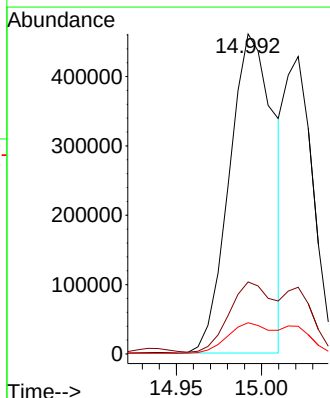
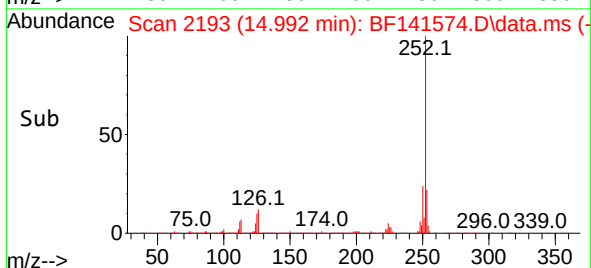
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

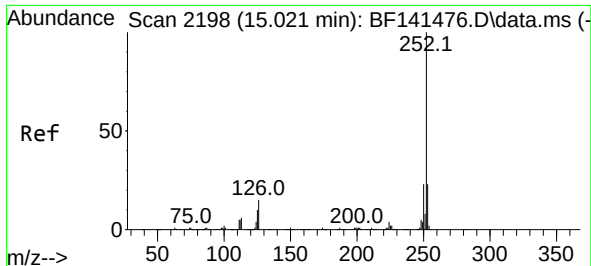


#88
Benzo(b)fluoranthene
Concen: 75.605 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



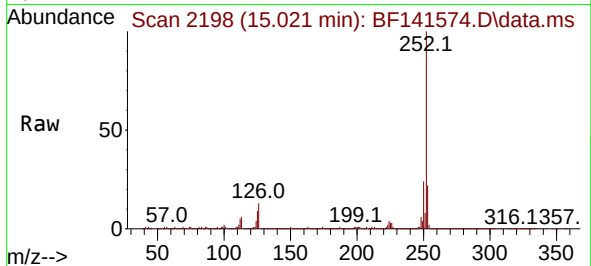
Tgt Ion: 252 Resp: 837524
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.8 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 51.395 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

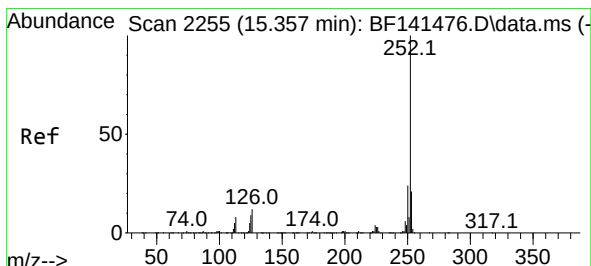
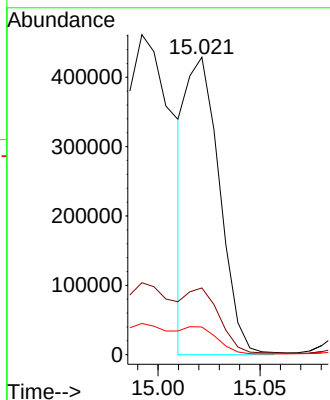
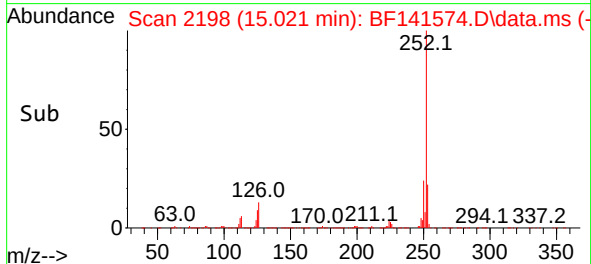
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



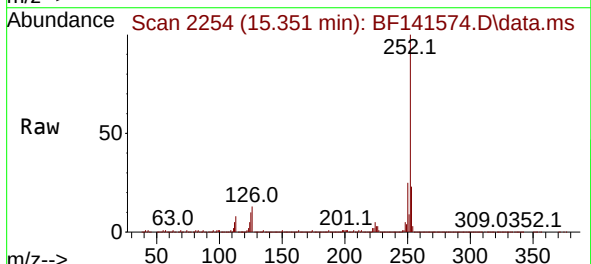
Tgt Ion:252 Resp: 48615
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 9.3 7.4 11.0

Manual Integrations
APPROVED

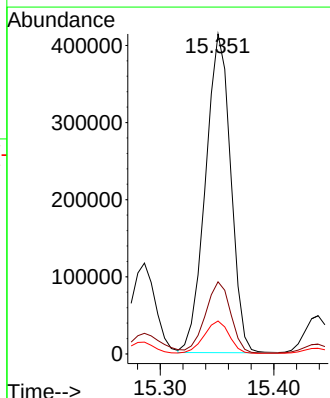
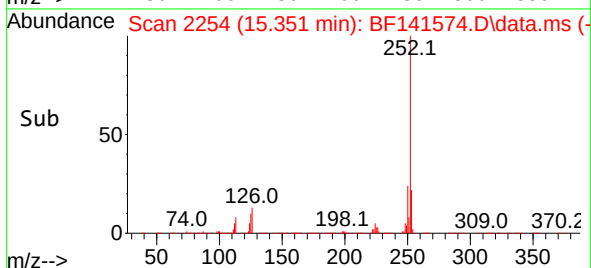
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

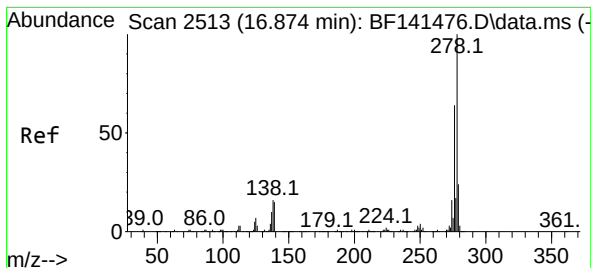


#90
Benzo(a)pyrene
Concen: 71.197 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38



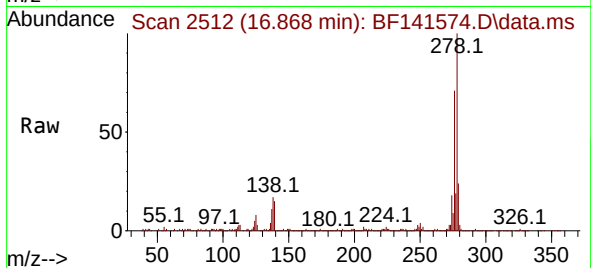
Tgt Ion:252 Resp: 638187
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 10.3 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 39.677 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.023 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

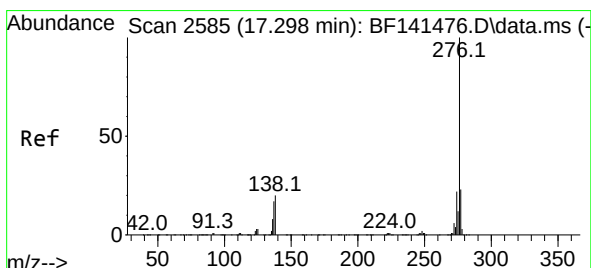
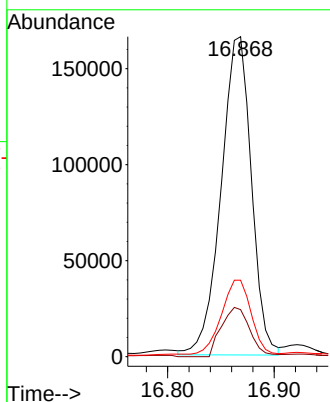
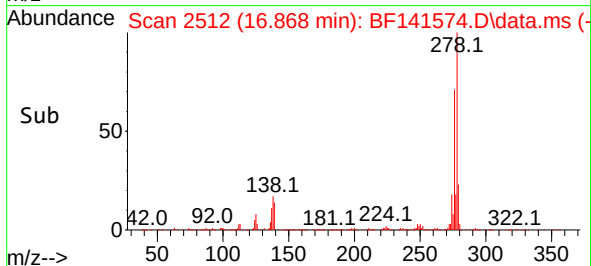
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825MSD



Tgt Ion:278 Resp: 327735
Ion Ratio Lower Upper
278 100
139 14.7 11.8 17.6
279 23.9 19.1 28.7

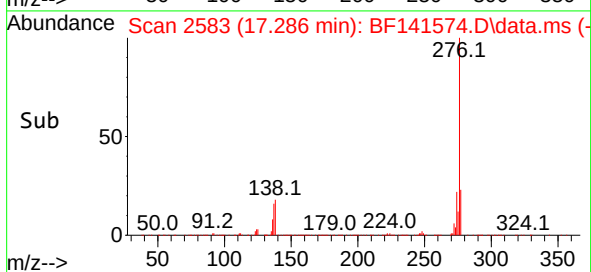
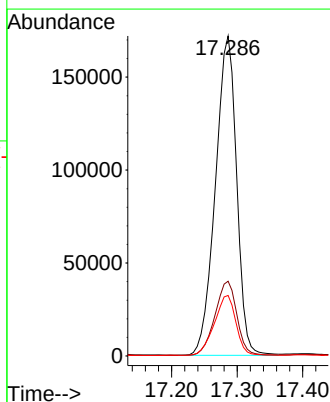
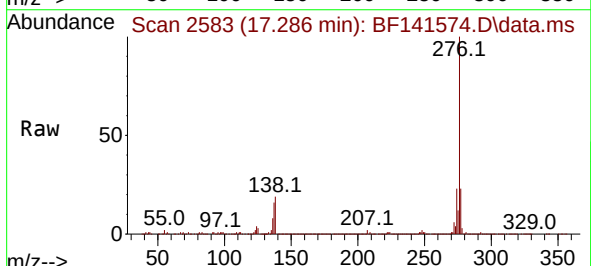
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 44.688 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141574.D
Acq: 11 Feb 2025 20:38

Tgt Ion:276 Resp: 386271
Ion Ratio Lower Upper
276 100
277 23.4 18.6 28.0
138 18.9 15.9 23.9



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:	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
PB166360BS	BF141405.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:15 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166360BS	BF141405.D	Acenaphthene	yogesh	2/5/2025 9:09:15 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166360BS	BF141405.D	Caprolactam	yogesh	2/5/2025 9:09:15 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

Manual Integration Report

Sequence:	bf020725	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141506.D	Acenaphthene	anahy	2/10/2025 12:38:30 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1215-07	BF141515.D	Benzo(b)fluoranthene	Rahul	2/10/2025 12:49:59 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1215-07	BF141515.D	Benzo(k)fluoranthene	Rahul	2/10/2025 12:49:59 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF021025

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1215-07DL	BF141545.D	Benzo(b)fluoranthene	anahy	2/11/2025 12:18:29 PM	Jagrut	2/11/2025 6:20:30 PM	Peak Integrated by Software
Q1215-07DL	BF141545.D	Benzo(k)fluoranthene	anahy	2/11/2025 12:18:29 PM	Jagrut	2/11/2025 6:20:30 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF021125	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1215-03	BF141572.D	Benzo(b)fluoranthene	yogesh	2/12/2025 6:51:16 AM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1215-03	BF141572.D	Benzo(k)fluoranthene	yogesh	2/12/2025 6:51:16 AM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1215-03MS	BF141573.D	Benzo(k)fluoranthene	yogesh	2/12/2025 6:51:18 AM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1215-03MS	BF141573.D	Caprolactam	yogesh	2/12/2025 6:51:18 AM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1215-03MSD	BF141574.D	Benzo(k)fluoranthene	yogesh	2/12/2025 6:51:22 AM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1215-03MSD	BF141574.D	Caprolactam	yogesh	2/12/2025 6:51:22 AM	mohammad	2/12/2025 7:26:53 AM	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 # 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 # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	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	BF141495.D	07 Feb 2025 09:28	RC/JU	Ok
2	SSTDCCC040	BF141496.D	07 Feb 2025 09:55	RC/JU	Ok
3	PB166588BL	BF141497.D	07 Feb 2025 10:21	RC/JU	Ok
4	PB166588BS	BF141498.D	07 Feb 2025 10:47	RC/JU	Ok,M
5	PB166567BL	BF141499.D	07 Feb 2025 11:13	RC/JU	Ok
6	PB166563BS	BF141500.D	07 Feb 2025 11:40	RC/JU	Ok,M
7	PB166567BS	BF141501.D	07 Feb 2025 12:06	RC/JU	Ok,M
8	PB166567BSD	BF141502.D	07 Feb 2025 12:32	RC/JU	Ok,M
9	PB166580BL	BF141503.D	07 Feb 2025 12:58	RC/JU	Ok
10	PB166580BS	BF141504.D	07 Feb 2025 13:25	RC/JU	Ok,M
11	DFTPP	BF141505.D	07 Feb 2025 14:07	RC/JU	Ok
12	SSTDCCC040	BF141506.D	07 Feb 2025 14:33	RC/JU	Ok,M
13	PB166528TB	BF141507.D	07 Feb 2025 15:00	RC/JU	Ok
14	Q1285-02	BF141508.D	07 Feb 2025 15:31	RC/JU	Ok
15	Q1304-01	BF141509.D	07 Feb 2025 15:58	RC/JU	Ok
16	Q1299-01	BF141510.D	07 Feb 2025 16:24	RC/JU	Ok
17	Q1299-05	BF141511.D	07 Feb 2025 16:50	RC/JU	Ok,M
18	Q1288-01	BF141512.D	07 Feb 2025 17:16	RC/JU	Dilution
19	Q1288-01MS	BF141513.D	07 Feb 2025 17:43	RC/JU	Ok,M
20	Q1288-01MSD	BF141514.D	07 Feb 2025 18:09	RC/JU	Ok,M
21	Q1215-07	BF141515.D	07 Feb 2025 18:35	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	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	Q1216-07	BF141516.D	07 Feb 2025 19:02	RC/JU	Ok,M
23	Q1216-03	BF141517.D	07 Feb 2025 19:28	RC/JU	Ok,M
24	Q1241-03	BF141518.D	07 Feb 2025 19:54	RC/JU	Dilution
25	Q1232-15	BF141519.D	07 Feb 2025 20:21	RC/JU	Dilution
26	Q1216-15	BF141520.D	07 Feb 2025 20:47	RC/JU	Dilution
27	Q1241-11	BF141521.D	07 Feb 2025 21:13	RC/JU	Ok,M
28	Q1235-07	BF141522.D	07 Feb 2025 21:40	RC/JU	Ok,M
29	Q1232-07	BF141523.D	07 Feb 2025 22:07	RC/JU	Ok,M
30	Q1241-19	BF141524.D	07 Feb 2025 22:33	RC/JU	Ok,M
31	Q1241-15	BF141525.D	07 Feb 2025 23:00	RC/JU	Dilution
32	Q1242-03	BF141526.D	07 Feb 2025 23:27	RC/JU	Ok,M
33	Q1232-11	BF141527.D	07 Feb 2025 23:53	RC/JU	Ok,M
34	Q1232-19	BF141528.D	08 Feb 2025 00:20	RC/JU	Ok,M
35	Q1235-03	BF141529.D	08 Feb 2025 00:47	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM
SubDirectory	BF021025	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	S12651,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141530.D	10 Feb 2025 11:08	RC/JU	Ok
2	SSTDCCC040	BF141531.D	10 Feb 2025 11:34	RC/JU	Ok
3	PB166610BL	BF141532.D	10 Feb 2025 12:00	RC/JU	Ok
4	PB166619BS	BF141533.D	10 Feb 2025 12:26	RC/JU	Ok,M
5	PB166619BSD	BF141534.D	10 Feb 2025 14:50	RC/JU	Ok,M
6	PB166619BL	BF141535.D	10 Feb 2025 15:17	RC/JU	Ok
7	Q1322-01	BF141536.D	10 Feb 2025 15:57	RC/JU	Ok
8	Q1299-04	BF141537.D	10 Feb 2025 16:23	RC/JU	Ok
9	Q1299-04MS	BF141538.D	10 Feb 2025 16:49	RC/JU	Ok,M
10	Q1299-04MSD	BF141539.D	10 Feb 2025 17:16	RC/JU	Ok,M
11	Q1299-08	BF141540.D	10 Feb 2025 17:42	RC/JU	Ok
12	Q1309-04	BF141541.D	10 Feb 2025 18:08	RC/JU	Ok
13	Q1344-01	BF141542.D	10 Feb 2025 18:34	RC/JU	Ok
14	Q1344-03	BF141543.D	10 Feb 2025 19:01	RC/JU	Ok
15	Q1288-01DL	BF141544.D	10 Feb 2025 19:27	RC/JU	Ok,M
16	Q1215-07DL	BF141545.D	10 Feb 2025 19:53	RC/JU	Ok,M
17	Q1241-03DL	BF141546.D	10 Feb 2025 20:19	RC/JU	Ok,M
18	Q1232-15DL	BF141547.D	10 Feb 2025 20:45	RC/JU	Ok,M
19	Q1216-15DL	BF141548.D	10 Feb 2025 21:12	RC/JU	Ok,M
20	Q1241-15DL	BF141549.D	10 Feb 2025 21:38	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM
SubDirectory	BF021125	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	S12651,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141550.D	11 Feb 2025 10:02	RC/JU	Ok
2	SSTDCCC040	BF141551.D	11 Feb 2025 10:28	RC/JU	Ok
3	PB166640BL	BF141552.D	11 Feb 2025 10:55	RC/JU	Ok
4	PB166640BS	BF141553.D	11 Feb 2025 11:21	RC/JU	Ok,M
5	PB166641BL	BF141554.D	11 Feb 2025 11:47	RC/JU	Ok
6	PB166641BS	BF141555.D	11 Feb 2025 12:13	RC/JU	Ok,M
7	PB166641BSD	BF141556.D	11 Feb 2025 12:39	RC/JU	Ok,M
8	PB166591TB	BF141557.D	11 Feb 2025 13:05	RC/JU	Ok
9	PB166610BS	BF141558.D	11 Feb 2025 13:32	RC/JU	Ok,M
10	Q1309-20	BF141559.D	11 Feb 2025 14:04	RC/JU	Ok
11	Q1309-24	BF141560.D	11 Feb 2025 14:30	RC/JU	ReRun
12	Q1309-08	BF141561.D	11 Feb 2025 14:56	RC/JU	Ok
13	Q1309-16	BF141562.D	11 Feb 2025 15:23	RC/JU	Ok
14	Q1309-12	BF141563.D	11 Feb 2025 15:49	RC/JU	Ok
15	Q1343-17	BF141564.D	11 Feb 2025 16:15	RC/JU	Ok
16	Q1340-01	BF141565.D	11 Feb 2025 16:42	RC/JU	Ok
17	Q1343-01	BF141566.D	11 Feb 2025 17:08	RC/JU	Ok,M
18	Q1206-03DL	BF141567.D	11 Feb 2025 17:35	RC/JU	Ok,M
19	Q1285-01DL	BF141568.D	11 Feb 2025 18:01	RC/JU	Ok,M
20	Q1346-01	BF141569.D	11 Feb 2025 18:27	RC/JU	Ok,M
21	Q1346-01MS	BF141570.D	11 Feb 2025 18:53	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM
SubDirectory	BF021125	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	S12651,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1346-01MSD	BF141571.D	11 Feb 2025 19:19	RC/JU	Ok,M
23	Q1215-03	BF141572.D	11 Feb 2025 19:45	RC/JU	Ok,M
24	Q1215-03MS	BF141573.D	11 Feb 2025 20:11	RC/JU	Ok,M
25	Q1215-03MSD	BF141574.D	11 Feb 2025 20:38	RC/JU	Ok,M
26	Q1345-01	BF141575.D	11 Feb 2025 21:04	RC/JU	Ok,M

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 # 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	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	BF141495.D	07 Feb 2025 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141496.D	07 Feb 2025 09:55		RC/JU	Ok
3	PB166588BL	PB166588BL	BF141497.D	07 Feb 2025 10:21		RC/JU	Ok
4	PB166588BS	PB166588BS	BF141498.D	07 Feb 2025 10:47		RC/JU	Ok,M
5	PB166567BL	PB166567BL	BF141499.D	07 Feb 2025 11:13		RC/JU	Ok
6	PB166563BS	PB166563BS	BF141500.D	07 Feb 2025 11:40		RC/JU	Ok,M
7	PB166567BS	PB166567BS	BF141501.D	07 Feb 2025 12:06		RC/JU	Ok,M
8	PB166567BSD	PB166567BSD	BF141502.D	07 Feb 2025 12:32		RC/JU	Ok,M
9	PB166580BL	PB166580BL	BF141503.D	07 Feb 2025 12:58		RC/JU	Ok
10	PB166580BS	PB166580BS	BF141504.D	07 Feb 2025 13:25		RC/JU	Ok,M
11	DFTPP	DFTPP	BF141505.D	07 Feb 2025 14:07		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BF141506.D	07 Feb 2025 14:33		RC/JU	Ok,M
13	PB166528TB	PB166528TB	BF141507.D	07 Feb 2025 15:00		RC/JU	Ok
14	Q1285-02	72-11977	BF141508.D	07 Feb 2025 15:31		RC/JU	Ok
15	Q1304-01	RB21140	BF141509.D	07 Feb 2025 15:58	Internal Standard Fail	RC/JU	Ok
16	Q1299-01	WC-1	BF141510.D	07 Feb 2025 16:24		RC/JU	Ok
17	Q1299-05	WC-2	BF141511.D	07 Feb 2025 16:50		RC/JU	Ok,M
18	Q1288-01	HR-01-020425	BF141512.D	07 Feb 2025 17:16	Need 2X Dilution	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM		
SubDirectory	BF020725	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					

19	Q1288-01MS	HR-01-020425MS	BF141513.D	07 Feb 2025 17:43		RC/JU	Ok,M
20	Q1288-01MSD	HR-01-020425MSD	BF141514.D	07 Feb 2025 18:09		RC/JU	Ok,M
21	Q1215-07	JPP-29.2-012825	BF141515.D	07 Feb 2025 18:35	Need 2X Dilution	RC/JU	Dilution
22	Q1216-07	JPP-21.1-012825	BF141516.D	07 Feb 2025 19:02		RC/JU	Ok,M
23	Q1216-03	JPP-18.1-012825	BF141517.D	07 Feb 2025 19:28		RC/JU	Ok,M
24	Q1241-03	JPP-3.5-013025	BF141518.D	07 Feb 2025 19:54	Need 5X Dilution	RC/JU	Dilution
25	Q1232-15	JPP-42.2-012925	BF141519.D	07 Feb 2025 20:21	Need 5X Dilution	RC/JU	Dilution
26	Q1216-15	JPP-26.1-012825	BF141520.D	07 Feb 2025 20:47	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
27	Q1241-11	JPP-5.2-013025	BF141521.D	07 Feb 2025 21:13	Surrogate Fail	RC/JU	Ok,M
28	Q1235-07	JPP-16.1-012925	BF141522.D	07 Feb 2025 21:40		RC/JU	Ok,M
29	Q1232-07	JPP-46.1-012925	BF141523.D	07 Feb 2025 22:07		RC/JU	Ok,M
30	Q1241-19	JPP-51.4-013025	BF141524.D	07 Feb 2025 22:33		RC/JU	Ok,M
31	Q1241-15	JPP-5.4-013025	BF141525.D	07 Feb 2025 23:00	Need further 5X Dilution	RC/JU	Dilution
32	Q1242-03	JPP-6.2-013025	BF141526.D	07 Feb 2025 23:27	Surrogate Fail	RC/JU	Ok,M
33	Q1232-11	JPP-42.1-012925	BF141527.D	07 Feb 2025 23:53		RC/JU	Ok,M
34	Q1232-19	JPP-51.1-012925	BF141528.D	08 Feb 2025 00:20		RC/JU	Ok,M
35	Q1235-03	JPP-51.2-012925	BF141529.D	08 Feb 2025 00:47	Surrogate Fail	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM
SubDirectory	BF021025	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	S12651,10ul/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	BF141530.D	10 Feb 2025 11:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141531.D	10 Feb 2025 11:34		RC/JU	Ok
3	PB166610BL	PB166610BL	BF141532.D	10 Feb 2025 12:00		RC/JU	Ok
4	PB166619BS	PB166619BS	BF141533.D	10 Feb 2025 12:26		RC/JU	Ok,M
5	PB166619BSD	PB166619BSD	BF141534.D	10 Feb 2025 14:50		RC/JU	Ok,M
6	PB166619BL	PB166619BL	BF141535.D	10 Feb 2025 15:17		RC/JU	Ok
7	Q1322-01	MANHOLE	BF141536.D	10 Feb 2025 15:57		RC/JU	Ok
8	Q1299-04	WC-1	BF141537.D	10 Feb 2025 16:23		RC/JU	Ok
9	Q1299-04MS	WC-1MS	BF141538.D	10 Feb 2025 16:49		RC/JU	Ok,M
10	Q1299-04MSD	WC-1MSD	BF141539.D	10 Feb 2025 17:16		RC/JU	Ok,M
11	Q1299-08	WC-2	BF141540.D	10 Feb 2025 17:42		RC/JU	Ok
12	Q1309-04	WC-2	BF141541.D	10 Feb 2025 18:08		RC/JU	Ok
13	Q1344-01	SOIL-1	BF141542.D	10 Feb 2025 18:34		RC/JU	Ok
14	Q1344-03	SOIL-2	BF141543.D	10 Feb 2025 19:01		RC/JU	Ok
15	Q1288-01DL	HR-01-020425DL	BF141544.D	10 Feb 2025 19:27		RC/JU	Ok,M
16	Q1215-07DL	JPP-29.2-012825DL	BF141545.D	10 Feb 2025 19:53		RC/JU	Ok,M
17	Q1241-03DL	JPP-3.5-013025DL	BF141546.D	10 Feb 2025 20:19		RC/JU	Ok,M
18	Q1232-15DL	JPP-42.2-012925DL	BF141547.D	10 Feb 2025 20:45		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM		
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM		
SubDirectory	BF021025	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	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1216-15DL	JPP-26.1-012825DL	BF141548.D	10 Feb 2025 21:12		RC/JU	Ok,M
20	Q1241-15DL	JPP-5.4-013025DL	BF141549.D	10 Feb 2025 21:38		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM
SubDirectory	BF021125	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	S12651,10ul/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	BF141550.D	11 Feb 2025 10:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141551.D	11 Feb 2025 10:28		RC/JU	Ok
3	PB166640BL	PB166640BL	BF141552.D	11 Feb 2025 10:55		RC/JU	Ok
4	PB166640BS	PB166640BS	BF141553.D	11 Feb 2025 11:21		RC/JU	Ok,M
5	PB166641BL	PB166641BL	BF141554.D	11 Feb 2025 11:47		RC/JU	Ok
6	PB166641BS	PB166641BS	BF141555.D	11 Feb 2025 12:13		RC/JU	Ok,M
7	PB166641BSD	PB166641BSD	BF141556.D	11 Feb 2025 12:39		RC/JU	Ok,M
8	PB166591TB	PB166591TB	BF141557.D	11 Feb 2025 13:05		RC/JU	Ok
9	PB166610BS	PB166610BS	BF141558.D	11 Feb 2025 13:32		RC/JU	Ok,M
10	Q1309-20	WC-6	BF141559.D	11 Feb 2025 14:04		RC/JU	Ok
11	Q1309-24	WC-8	BF141560.D	11 Feb 2025 14:30	Internal Standard and surrogate fail	RC/JU	ReRun
12	Q1309-08	WC-3	BF141561.D	11 Feb 2025 14:56		RC/JU	Ok
13	Q1309-16	WC-5	BF141562.D	11 Feb 2025 15:23		RC/JU	Ok
14	Q1309-12	WC-4	BF141563.D	11 Feb 2025 15:49		RC/JU	Ok
15	Q1343-17	WC-14	BF141564.D	11 Feb 2025 16:15		RC/JU	Ok
16	Q1340-01	RV-SOIL	BF141565.D	11 Feb 2025 16:42		RC/JU	Ok
17	Q1343-01	WC-9	BF141566.D	11 Feb 2025 17:08		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	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		S12651,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1206-03DL	JPP-20.1-012725DL	BF141567.D	11 Feb 2025 17:35		RC/JU	Ok,M
19	Q1285-01DL	72-11977DL	BF141568.D	11 Feb 2025 18:01		RC/JU	Ok,M
20	Q1346-01	SOIL-COMP	BF141569.D	11 Feb 2025 18:27		RC/JU	Ok,M
21	Q1346-01MS	SOIL-COMPMS	BF141570.D	11 Feb 2025 18:53		RC/JU	Ok,M
22	Q1346-01MSD	SOIL-COMPMSD	BF141571.D	11 Feb 2025 19:19		RC/JU	Ok,M
23	Q1215-03	JPP-29.1-012825	BF141572.D	11 Feb 2025 19:45		RC/JU	Ok,M
24	Q1215-03MS	JPP-29.1-012825MS	BF141573.D	11 Feb 2025 20:11		RC/JU	Ok,M
25	Q1215-03MSD	JPP-29.1-012825MSD	BF141574.D	11 Feb 2025 20:38		RC/JU	Ok,M
26	Q1345-01	EO-01-021025	BF141575.D	11 Feb 2025 21:04		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134481

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1215-01	JPP-29.1-012825	1	1.15	8.54	9.69	8.75	89.0	
Q1215-03	JPP-29.1-012825	2	1.16	8.48	9.64	8.69	88.8	
Q1215-05	JPP-29.2-012825	3	1.19	8.70	9.89	8.77	87.1	
Q1215-07	JPP-29.2-012825	4	1.15	8.63	9.78	8.81	88.8	
Q1216-01	JPP-18.1-012825	5	1.19	8.45	9.64	8.05	81.2	
Q1216-03	JPP-18.1-012825	6	1.16	8.82	9.98	8.51	83.3	
Q1216-05	JPP-21.1-012825	7	1.15	8.40	9.55	8.83	91.4	
Q1216-07	JPP-21.1-012825	8	1.15	8.75	9.9	9.06	90.4	
Q1216-09	JPP-21.2-012825	9	1.19	8.42	9.61	8.29	84.3	
Q1216-11	JPP-21.2-012825	10	1.15	8.36	9.51	8.2	84.3	
Q1216-13	JPP-26.1-012825	11	1.19	8.46	9.65	7.87	79.0	
Q1216-15	JPP-26.1-012825	12	1.17	8.76	9.93	8.42	82.8	
Q1216-17	JPP-26.2-012825	13	1.16	8.63	9.79	8.52	85.3	
Q1216-19	JPP-26.2-012825	14	1.17	8.51	9.68	8.47	85.8	
Q1232-01	JPP-46.2-012925	15	1.12	8.77	9.89	8.99	89.7	
Q1232-03	JPP-46.2-012925	16	1.15	8.37	9.52	8.62	89.2	
Q1232-05	JPP-46.1-012925	17	1.17	8.50	9.67	9.14	93.8	
Q1232-07	JPP-46.1-012925	18	1.15	8.72	9.87	9.35	94.0	
Q1232-09	JPP-42.1-012925	19	1.14	8.37	9.51	8.56	88.6	
Q1232-11	JPP-42.1-012925	20	1.19	8.43	9.62	8.62	88.1	
Q1232-13	JPP-42.2-012925	21	1.15	8.50	9.65	8.98	92.1	
Q1232-15	JPP-42.2-012925	22	1.15	8.37	9.52	8.95	93.2	
Q1232-17	JPP-51.1-012925	23	1.19	8.42	9.61	9.14	94.4	
Q1232-19	JPP-51.1-012925	24	1.12	8.75	9.87	9.44	95.1	
Q1233-01	WIPE-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1233-02	WIPE-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1235-01	JPP-51.2-012925	27	1.15	8.60	9.75	8.99	91.2	
Q1235-03	JPP-51.2-012925	28	1.15	8.51	9.66	8.96	91.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134481

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1235-05	JPP-16.1-012925	29	1.15	8.75	9.9	8.94	89.0	
Q1235-07	JPP-16.1-012925	30	1.12	8.77	9.89	8.94	89.2	
Q1237-01	HL6PX1	31	1.16	8.53	9.69	9.27	95.1	
Q1237-02	HL6PX2	32	1.16	8.70	9.86	9.28	93.3	
Q1237-03	HL6PX3	33	1.15	8.82	9.97	9.27	92.1	
Q1237-04	HL6PX4	34	1.15	8.78	9.93	9.43	94.3	
Q1237-05	HL6PX5	35	1.17	8.54	9.71	9.33	95.6	
Q1237-06	HL6PX6	36	1.17	8.57	9.74	9.07	92.2	
Q1239-01	286	37	1.14	8.49	9.63	8.68	88.8	
Q1239-04	348	38	1.14	8.83	9.97	9.00	89.0	
Q1239-07	RBR22266	39	1.17	8.74	9.91	9.00	89.6	
Q1239-10	357	40	1.16	8.80	9.96	8.62	84.8	
Q1240-01	MEG-OIL	41	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

13448

WorkList Name : %1-013025

WorkList ID : 187270

Department : Wet-Chemistry

Date : 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-01	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-03	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-05	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-07	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-01	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-03	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-05	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-07	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-09	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-11	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-13	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-15	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-17	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-19	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-01	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-03	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-05	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-07	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-09	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-11	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-13	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO

Date/Time 01/30/25 15:20

Raw Sample Received by: SD WCI

Raw Sample Relinquished by: CSM

Q1215-SVOC-TCL BNA -20

Date/Time 01/30/25 17:10

Raw Sample Received by: CFS

Raw Sample Relinquished by: SD WCI

WORKLIST(Hardcopy Internal Chain)

134481

WorkList Name : %1-013025

WorkList ID : 187270

Department : Wet-Chemistry

Date : 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-15	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-17	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-19	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-01	WIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1233-02	WIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-01	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-03	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-05	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-07	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-01	HL6PX1	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-02	HL6PX2	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-03	HL6PX3	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-04	HL6PX4	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-05	HL6PX5	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-06	HL6PX6	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-01	286	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-04	348	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-07	RBR22266	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-10	357	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1240-01	MEG-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO

Date/Time 01/30/25 15:20
 Raw Sample Received by: JB WCI
 Raw Sample Relinquished by: cf gm

Date/Time 01/30/25 17:10
 Raw Sample Received by: cf sm
 Raw Sample Relinquished by: 1414 of 1612

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction Start Date: 01/30/2025

Extraction Start Time: 09:15

Extraction End Date: 01/30/2025

Extraction End Time: 12:15

Concentration By: EH

Supervisor By: rajesh

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
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
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
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.Q1218-01,1219-01 Limited volume used as samples are Oily debries. Q1219-01 Due to Thick Oily matrix ,so, final volume 5ml made. -

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/30/25	RP (Set 2as)	AC/SVOC
12:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/30/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166360BL	SBLK360	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB166360BS	SLCS360	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1215-03	JPP-29.1-012825	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		3
Q1215-03MS	JPP-29.1-012825MS	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		4
Q1215-03MS D	JPP-29.1-012825MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		5
Q1215-07	JPP-29.2-012825	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		6
Q1216-03	JPP-18.1-012825	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		U3-1
Q1216-07	JPP-21.1-012825	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		2
Q1216-11	JPP-21.2-012825	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		3
Q1216-15	JPP-26.1-012825	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		4
Q1216-19	JPP-26.2-012825	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		5
Q1218-01	BELL-25-002	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	E	Oily Debris	6
Q1219-01	LAW-25-0015	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	5	E	Oily Debris	U6-1
Q1220-01	TR-06-01292025	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		2
Q1221-01	CHESTNUT-CONCRETE	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	B	Concrete	3

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1216

WorkList ID : 187283

Department : Extraction

Date : 01-30-2025 08:27:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-03	JPP-29.1-012825	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/28/2025	8270E
Q1215-07	JPP-29.2-012825	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/28/2025	8270E
Q1216-03	JPP-18.1-012825	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/28/2025	8270E
Q1216-07	JPP-21.1-012825	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/28/2025	8270E
Q1216-11	JPP-21.2-012825	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/28/2025	8270E
Q1216-15	JPP-26.1-012825	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/28/2025	8270E
Q1216-19	JPP-26.2-012825	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/28/2025	8270E

Date/Time 01/30/25 9:10

Raw Sample Received by: RJ (Sat Long)

Raw Sample Relinquished by: JD (Sam)

Q1215-SVOC-TCL BNA -20

Date/Time 01/30/25 9:45

Raw Sample Received by: JD (Sam)

Raw Sample Relinquished by: RJ (Sat Long)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1221

WorkList ID : 187274

Department : Extraction

Date : 01-30-2025 08:07:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1218-01	BELL-25-002	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	01/29/2025	8270E
Q1219-01	LAW-25-0015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	01/29/2025	8270E
Q1220-01	TR-06-01292025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N41	01/29/2025	8270E
Q1221-01	CHESTNUT-CONCRETE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	01/29/2025	8270E

Date/Time 01/30/25 9:10
 Raw Sample Received by: RJ (Ed 204)
 Raw Sample Relinquished by: JD CSM

Q1215-SVOC-TCL BNA -20

Date/Time 01/30/25 9:45
 Raw Sample Received by: JD CSM
 Raw Sample Relinquished by: RJ (Ed 204)

Prep Standard - Chemical Standard Summary

Order ID : Q1215
Test : SVOC-TCL BNA -20
Prepbatch ID : PB166360,
Sequence ID/Qc Batch ID: BF020425,BF020725,BF021025,BF021125,

Standard ID :
 EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
 10ul/1000ul
 sample,E2865,E3551,E3815,E3828,E3846,E3848,E3871,E3874,S10103,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11087,S11093,S11099,S11103,S11143,S11160,S11161,S11487,S11494,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12079,S12113,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12275,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12650,S12651,S12790,S12791,S12963,S12964,S12965,S12966,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	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

<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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed

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

<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

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

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	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

<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

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	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

<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

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	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

<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

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	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

<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

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>
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = 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>
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh 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

<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	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml 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>
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml 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>
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml 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>
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml 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>
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml 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>
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml 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>
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml 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>
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh 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 #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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-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 #
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

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	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

CHEMICAL RECEIPT LOG BOOK

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	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

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

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

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	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	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

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

CHEMICAL RECEIPT LOG BOOK

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	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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 #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

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

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

CHEMICAL RECEIPT LOG BOOK

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	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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	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	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	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	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

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, CH ₂ Cl ₂ , 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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

[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	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	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	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, CH ₂ Cl ₂ , 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 #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	08/07/2025	02/07/2025 / anahy	09/20/2024 / anahy	S12651

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

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 #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966



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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

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Chemist

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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

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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

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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

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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

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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

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090	440246	≤ -10 °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 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

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Catalog No.: Z-112090 **Lot No.:** 440246 **Storage:** $\leq -10^{\circ}\text{C}$ **Solvent:** Methylene Chloride **Exp. Date:** 2/16/2026 **Description:** 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

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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

Brianna Smith

Certified By: _____

Brianna 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

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.



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-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
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: _____

Scott Hunter
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.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
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Fax: (814)353-1309

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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
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:

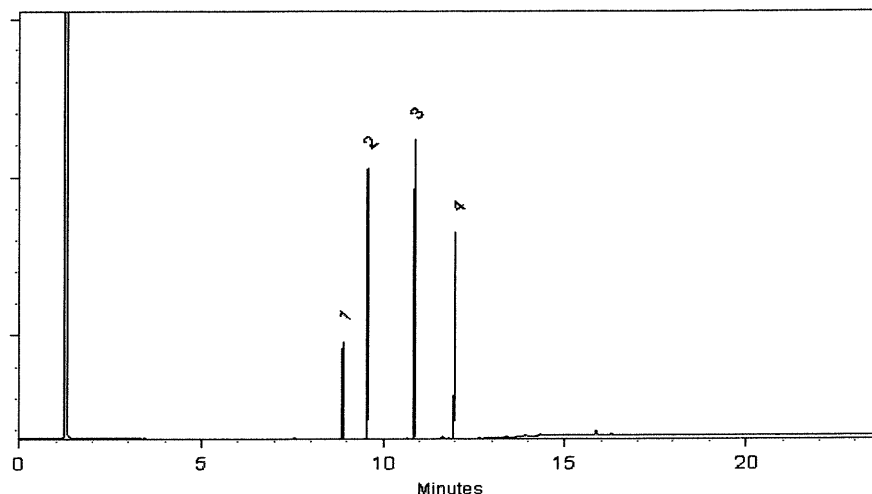
250°C

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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** 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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



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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.

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	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 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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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:

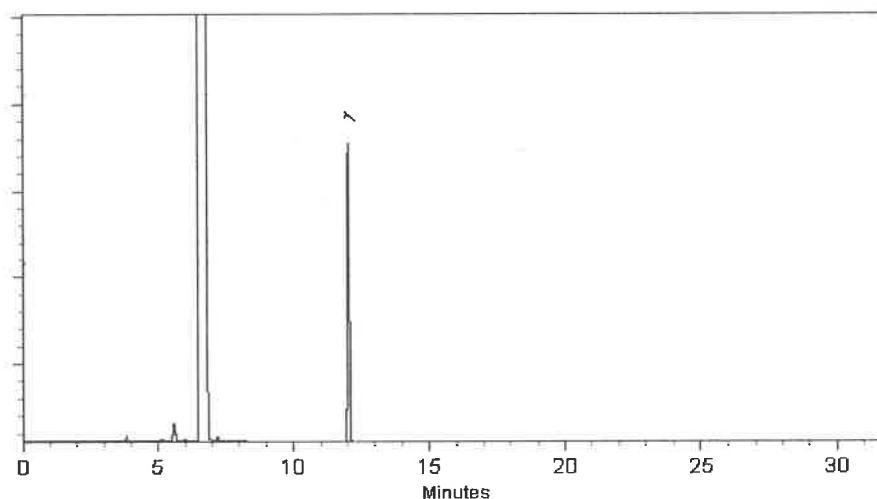
200°C

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



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Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.:** 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

Received by
CG on
12/28/22
S10951
to
S10980

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:

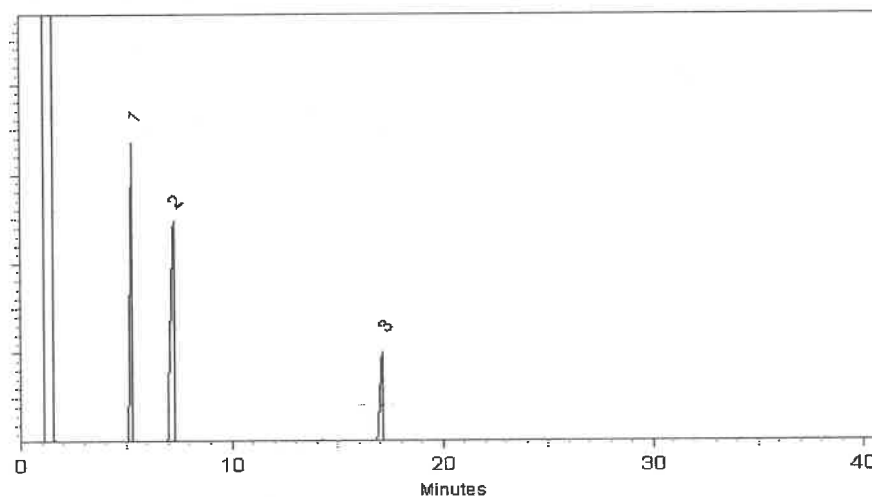
250°C

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
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Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

Received by
CG on
12/28/22
S10951
to
S10980

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 +/- 294.4162 µg/mL +/- 357.2628 µg/mL Gravimetric Unstressed Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL Gravimetric Unstressed 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:

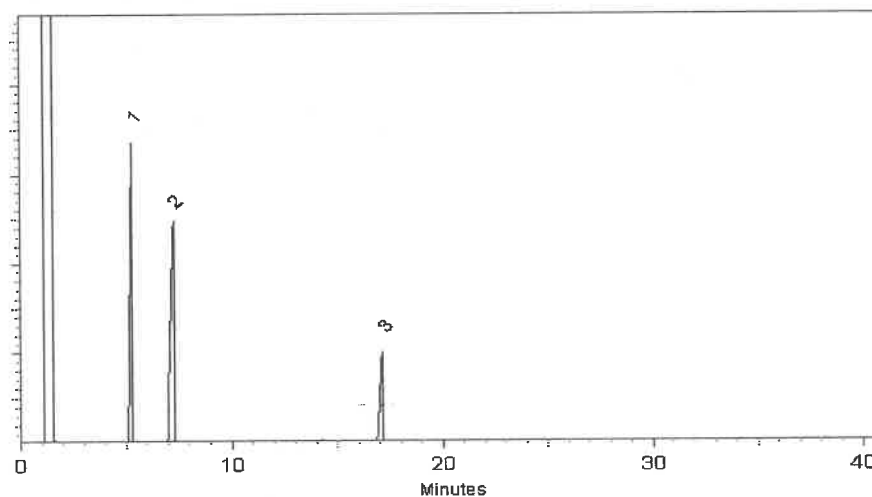
250°C

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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Testing Laboratory
Certificate #3222.02

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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.

Received by
CG on
12/28/22
SI0951
FO
SI0980

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:

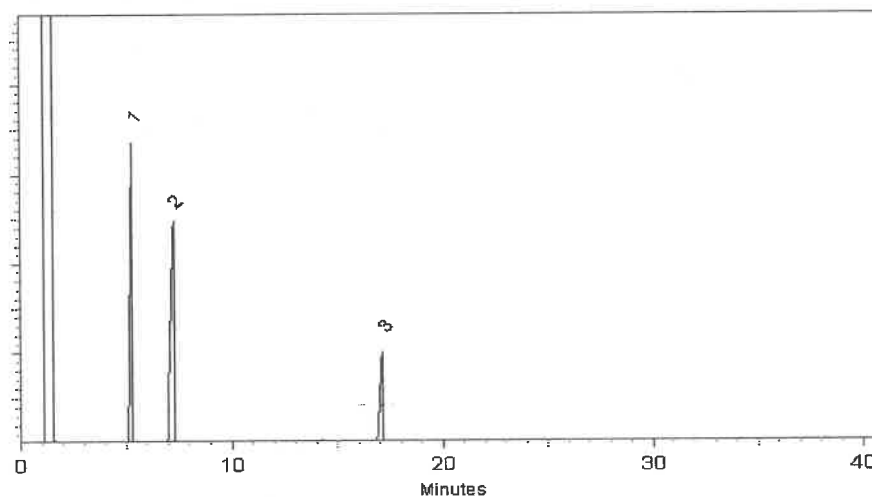
250°C

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:

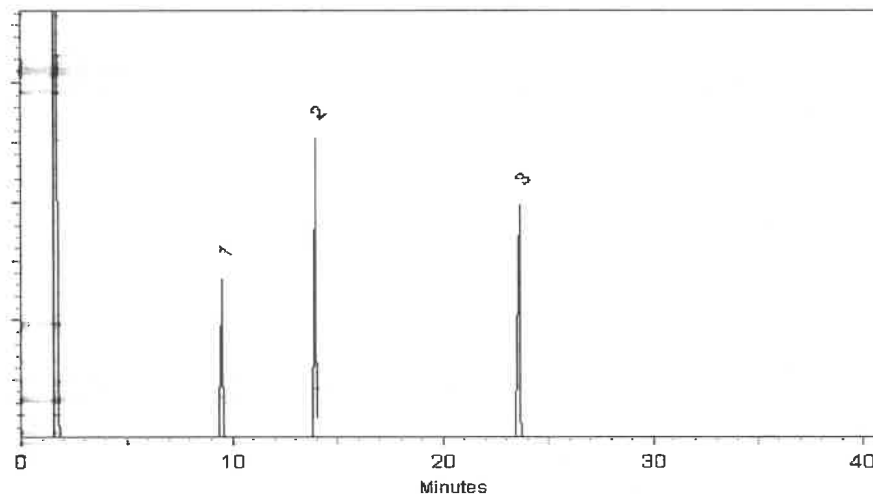
250°C

Det. Temp:

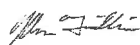
330°C

Det. Type:

FID



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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



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.

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

Received by
CG on
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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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:

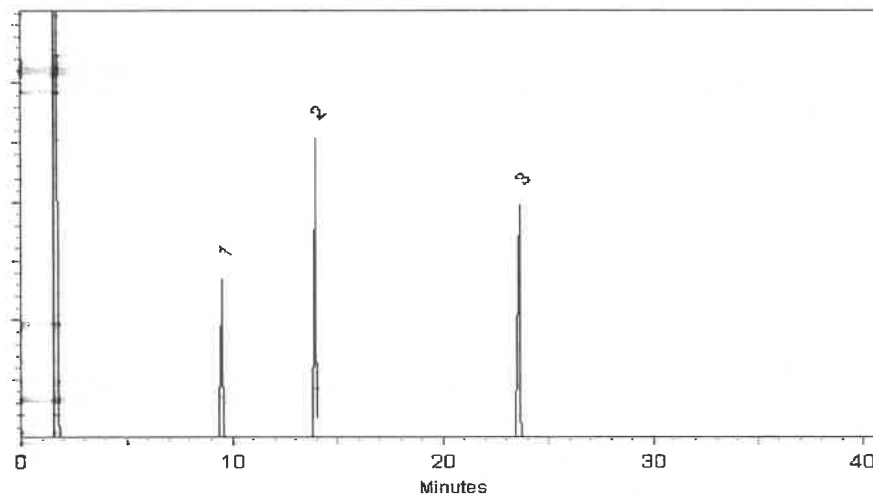
250°C

Det. Temp:

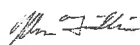
330°C

Det. Type:

FID



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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
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Certificate #FM 80397



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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

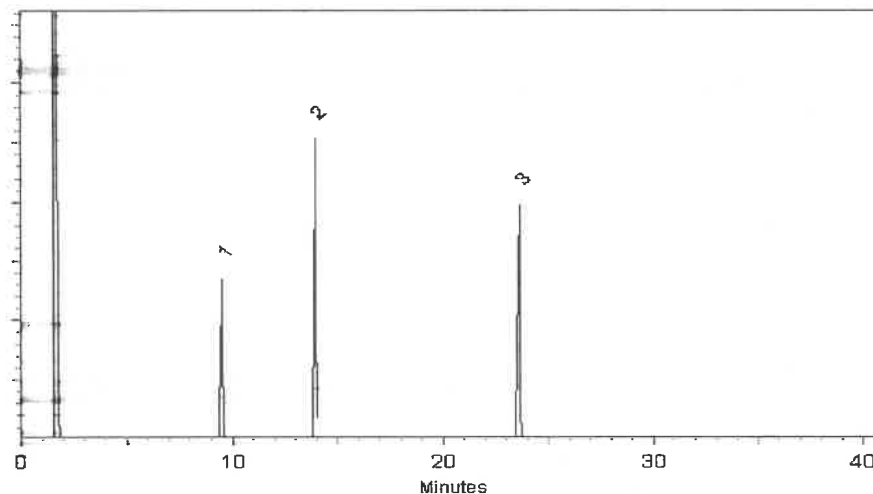
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

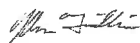
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Certificate #FM 80397



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to
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
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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

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Column:
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Rtx-5 (cat.#10223)

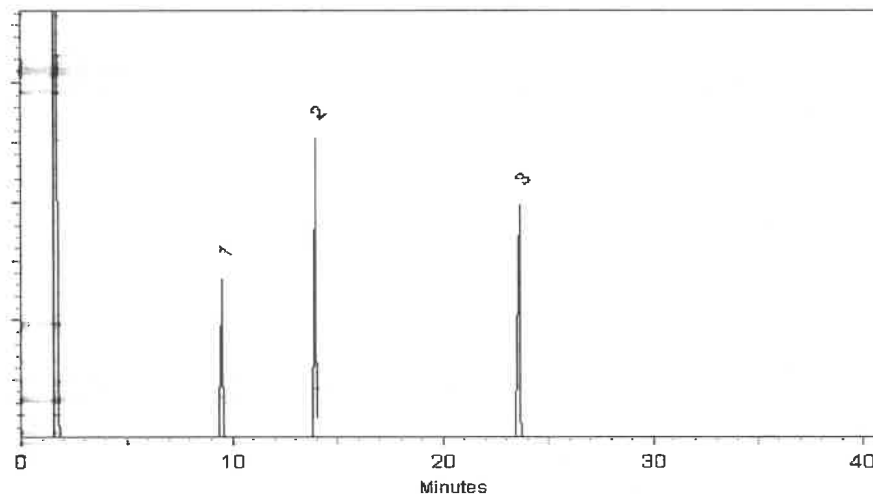
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40°C (hold 2 min.) to 330°C
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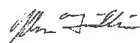
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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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



110 Benner Circle
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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CERTIFIED VALUES

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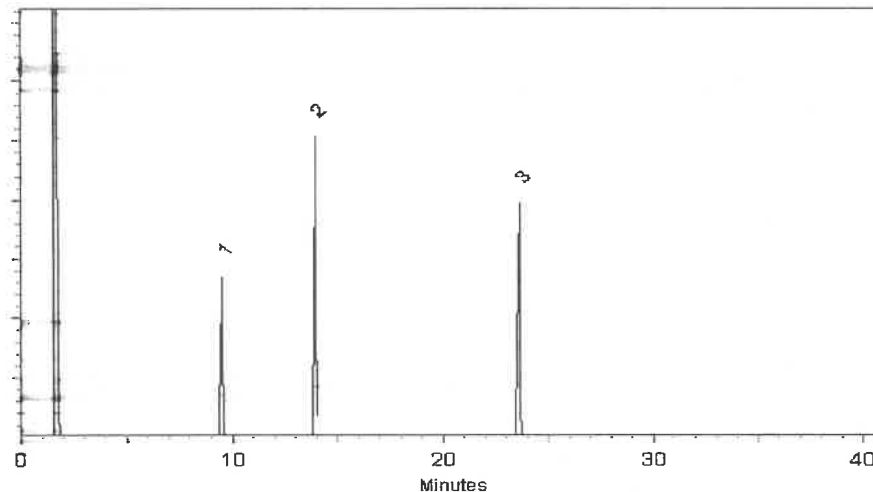
250°C

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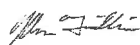
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Registered Quality System
Certificate #FM 80397



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Description : B/N Surrogate Mix (4/89 SOW)
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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

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Rtx-5 (cat.#10223)

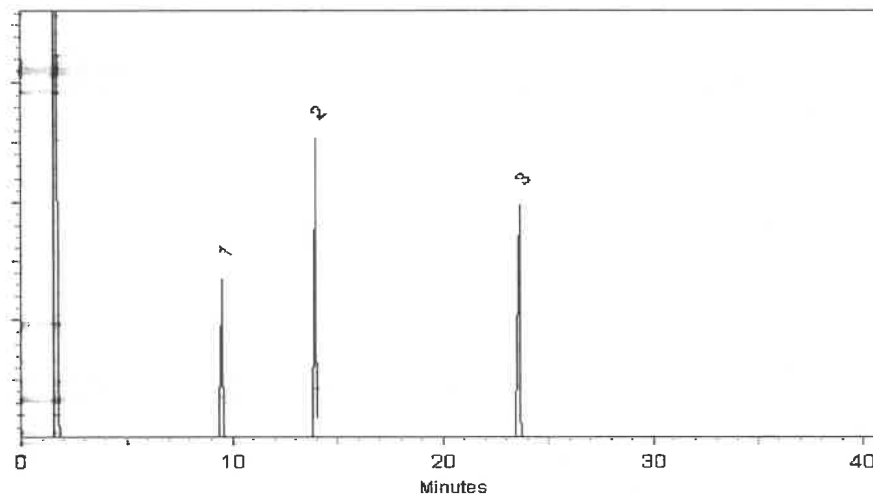
Carrier Gas:
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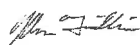
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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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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Certificate of Analysis



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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

Received by
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CAS # 75-09-2
Purity 99%

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Rtx-5 (cat.#10223)

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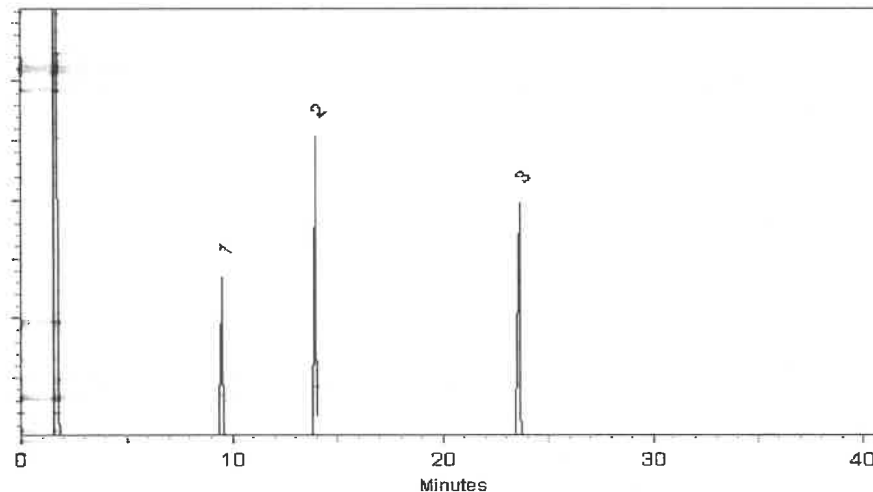
250°C

Det. Temp:

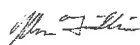
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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CERTIFIED REFERENCE MATERIAL

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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

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. Products 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. All 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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 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 shelf life 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 storage 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, with complete instructions.

If dissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

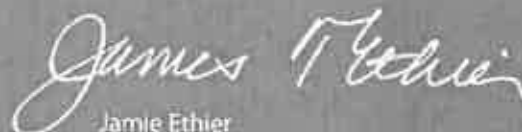
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

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



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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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


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.: 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	$\leq 1.0 \text{ ppm}$	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



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_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	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
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 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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555870 Lot No.: A0200549
Description: Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2026 Storage: 10°C or colder
Ship: Ambient

51148h
↓
511493
Y.P.
08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 02-Aug-2023

Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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Santa Rosa, CA 95403

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(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

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: 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.



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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649
↓
511658
Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

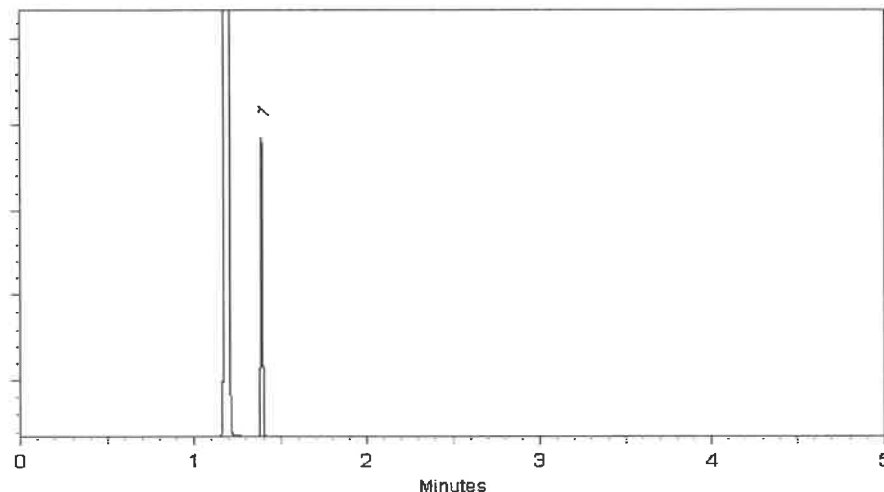
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

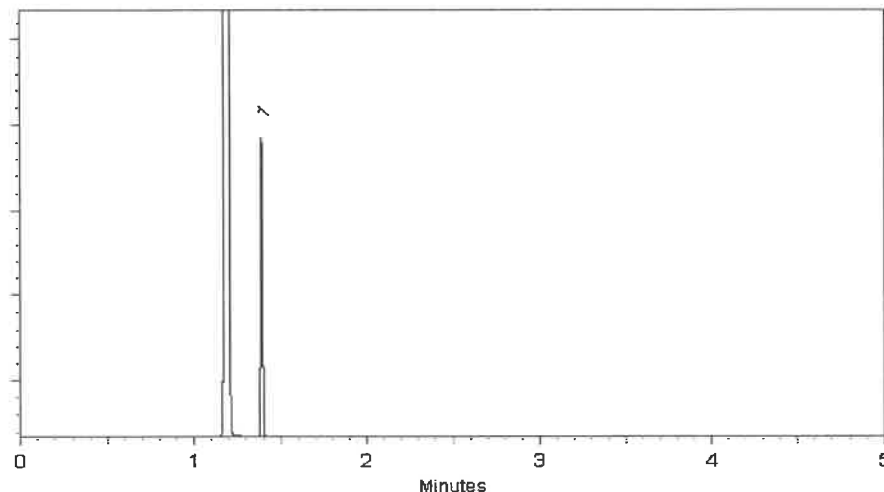
FID

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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
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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. : 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:

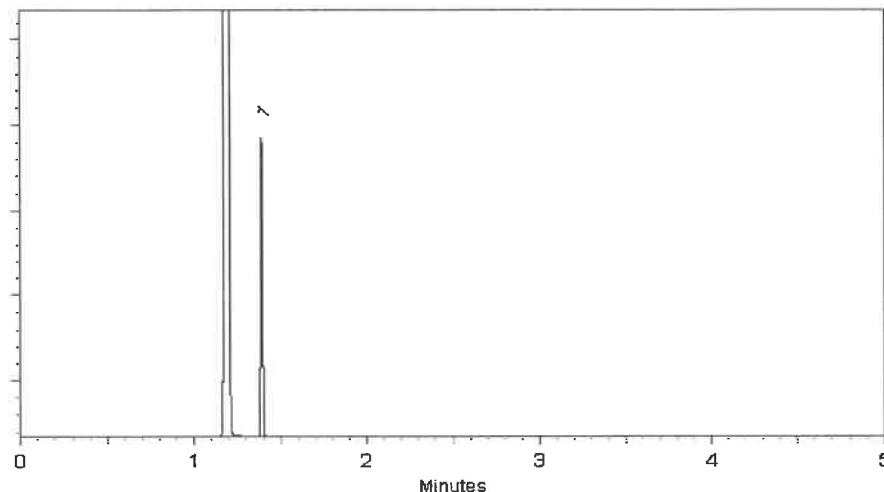
FID

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:

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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:

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Temp. Program:

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@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

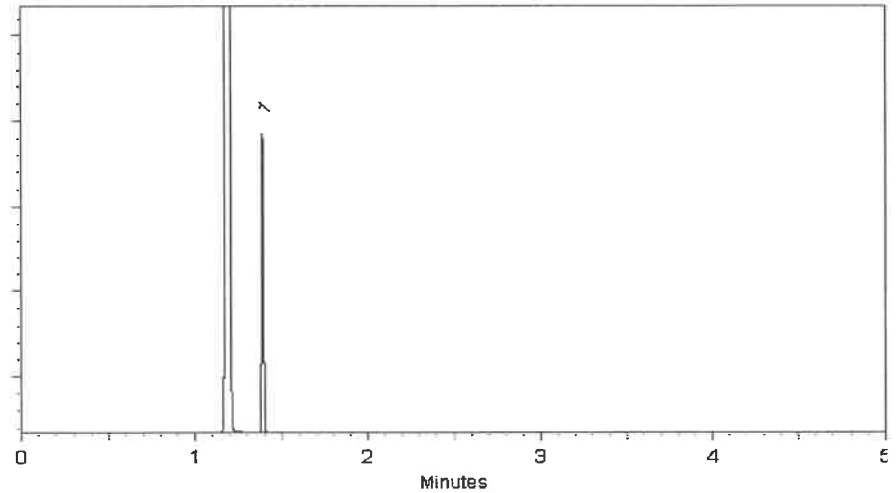
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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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

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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
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S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

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Solvent: Methylene chloride
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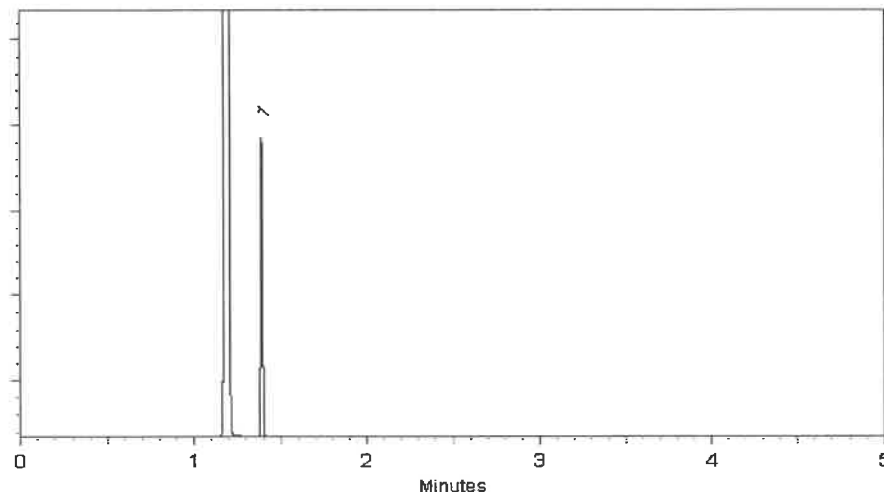
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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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Certificate #FM 80397

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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

S12075 } RC
↓
S12079 } 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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Page 1 of 1

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

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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Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

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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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	18
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%



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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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	
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968	18
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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** 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

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↓ 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	18
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. : 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	18
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%



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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	18
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%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

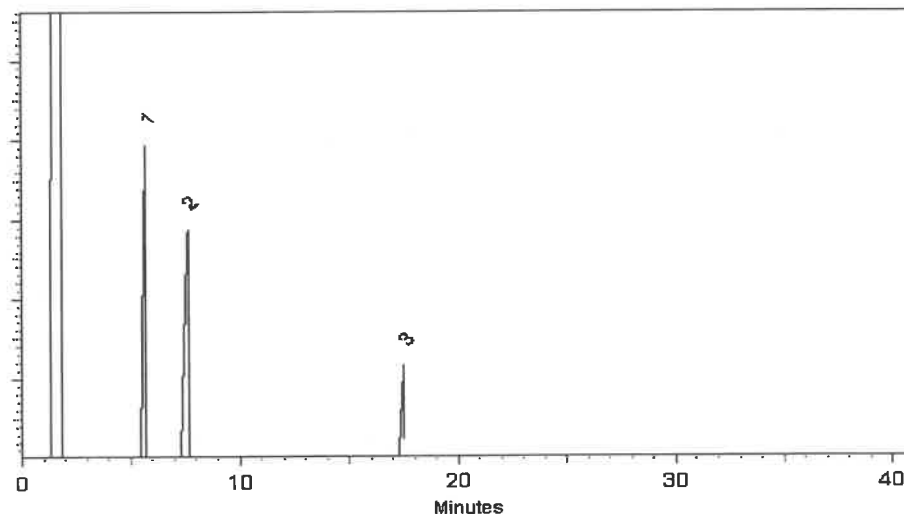
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

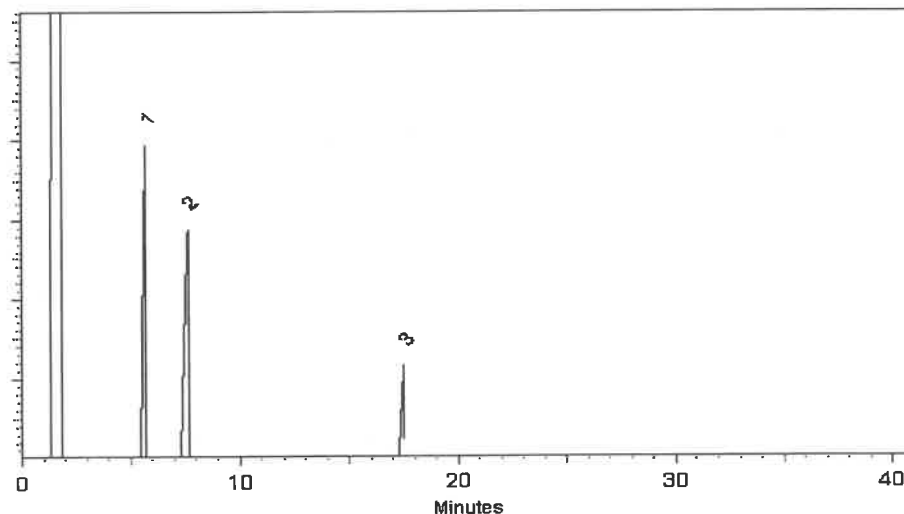
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

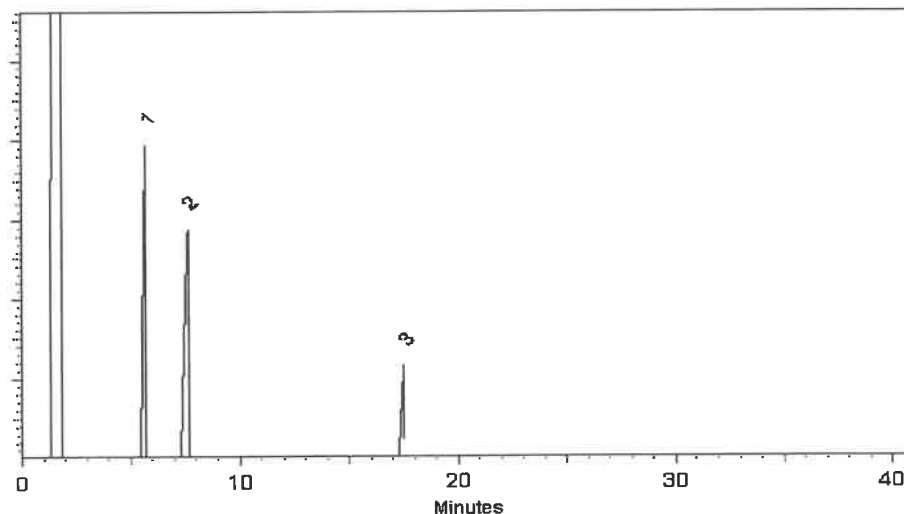
FID

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

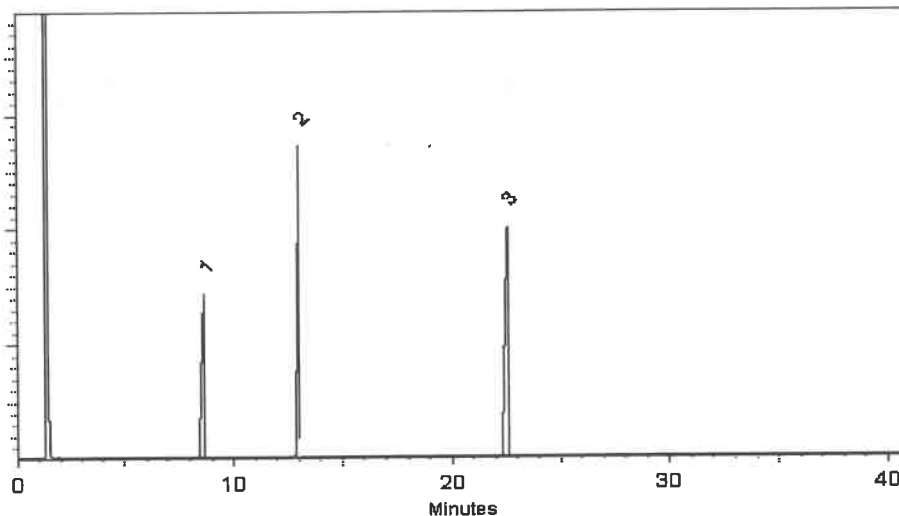
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

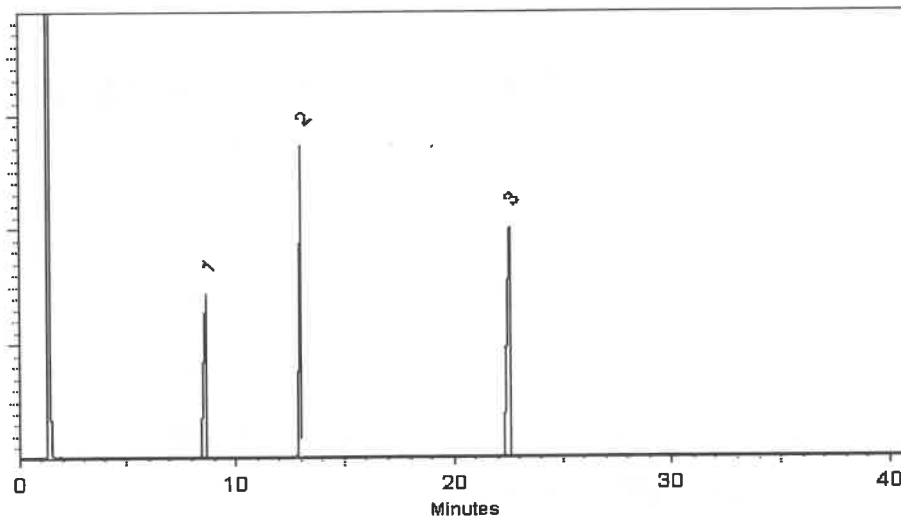
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
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by TUV USA to ISO 9001:2015

Date Received: _____

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

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 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

Kerry E 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.



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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

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-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

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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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.:** 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:

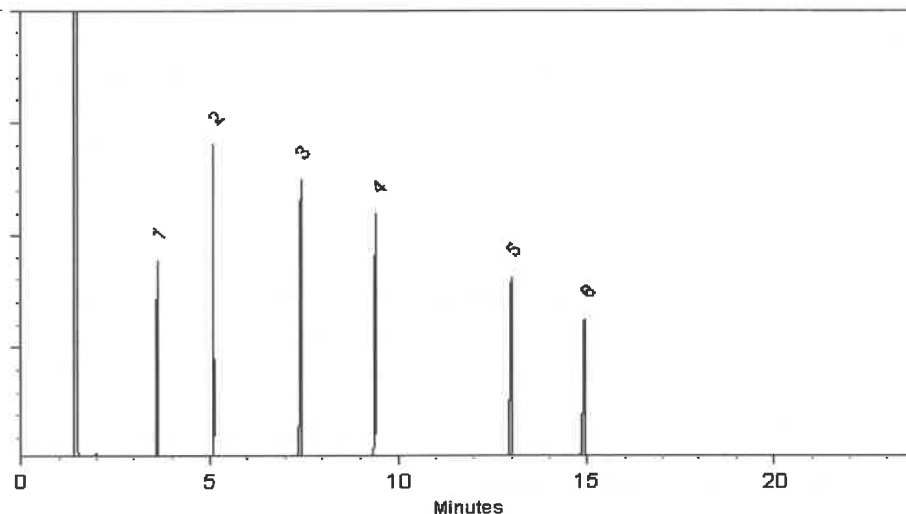
FID

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
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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. : 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
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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:

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CERTIFIED REFERENCE MATERIAL

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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
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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:

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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)
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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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** 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)
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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

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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)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** 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)
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- 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

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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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/
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S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

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General Certified Reference Material Notes

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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:

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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

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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)
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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

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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)
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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

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- 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
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

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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
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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
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Certificate #FM 80397

General Certified Reference Material Notes

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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)
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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
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General Certified Reference Material Notes

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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
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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
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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



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Bellefonte, PA 16823-8812
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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

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Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



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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: _____

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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.



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: _____

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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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



110 Benner Circle
Bellefonte, PA 16823-8812
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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



SHIPPING DOCUMENTS

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CHEMTECH PROJECT NO. **Q1215**
QUOTE NO.
COC Number **2041067**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **RU2 Engineering LLC**
ADDRESS: **2 Melinda Drive**
CITY: **Monroe Twp, NJ 08831**
ZIP:

ATTENTION: **Rutu Manani**

PHONE: **609-409-4564** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **SANDTWOBR BMLR Project**

PROJECT NO.: LOCATION: **Brooklyn, NYC**

PROJECT MANAGER: **Rutu Manani**

e-mail: **Rmanani@Ru2eng.com**

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **Same as Company address** PO#:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard 10 days** DAYS*
HARDCOPY (DATA PACKAGE): **Standard 10 days** DAYS*
EDD: **Standard 10 days** DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. **TU VOC + TICS**
2. **TU VOC + TICS**
3. **TPH**
4. **GRO-DRO**
5. **TCL SVOCs + TICS**
6. **TAL Metals**
7. **Pesticides PCBs**
8. **PERA Characterization**
9. **Paint Filter**
10. **full TCLP**

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICP F-OTHER	
1.	JPP-29.1-012825	Soil		G	1/28/25	14:26	3	X	X	X								
2.	JPP-29.1-012825	Soil	L		1/28/25	14:30	7			X	X	X	X	X	X	X		
3.	JPP-29.2-012825	Soil		G	1/28/25	15:15	3	X	X	X								
4.	JPP-29.2-012825	Soil	L		1/28/25	15:22	7			X	X	X	X	X	X	X		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. RA	DATE/TIME: 1/29/2025	RECEIVED BY: [Signature]	1045 1-29-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:		Comments: reserve extra sample jar if additional analysis is required
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1-29-25	RECEIVED BY:		Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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 : Q1215	RUTW01	Order Date : 1/29/2025 11:20:00 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		NYCDDC SANTWOBR Brooklyn Bridge BBMCR		EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Receive DateTime : 1/29/2025 4:14:00 PM		Hard Copy Date :
Invoice Contact : Rutu Manani		Purchase Order :		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1215-01	JPP-29.1-012825	Solid	01/28/2025	14:26					
					VOCMS Group1		8260D	10 Bus. Days	
Q1215-05	JPP-29.2-012825	Solid	01/28/2025	15:15					
					VOCMS Group1		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

1-29-25 1700

Received By :

Date / Time :

1-29-25 17:00

Storage Area : VOA Refridgerator Room

let stored in